Project: FT2018

Ministry of Energy:

Original Hard Copies

Box 5 of 13

Motion Number(s) 6

Division: Legal

Custodian: James Rehab

Schedule 1

Guidelines for Estimates

[To be considered.]

Schedule 2

Requirements Applicable to Alternative Invoicing Agent/ Alternative Collection Agent

[To be considered.]

Schedule 3

Principles, Parameters, Requirements and Conditions for Establishing the Treasury Plan

~~Section [X] – Procedure to Adopt a~~

The Treasury Plan shall have regard to the following principles, parameters, requirements and conditions:[***Consider others.***]

(1) ~~**Submission of Treasury Plan** – The person(s) designated by written order of the Minister of Energy under Section 8(1) shall prepare a Treasury Plan and submit it to the Minister of Energy and any person designed by the Minister of Energy under Section 8(2) to review such Treasury Plan [within the time period specified in such written order]/[within [•] days of such written order]. Such person(s) shall implement any changes proposed under Section [X](3) and submit the revised Treasury Plan to the [OEB] for approval within [within the time period specified in such written order]/[within [•] days of such written order].~~the Treasury Plan shall, in respect of each Reference Period, describe the allocations of Unrecovered Transition Costs to each Reference Group as contemplated by the Fair Allocation Plan;

(2) ~~**Content of Treasury Plan** – Any Treasury Plan shall have regard to the following specifications:~~the Administrative Agent shall make a good faith estimate of the Funding Shortfalls for each Reference Period, based on the terms of the Power Contracts and assumptions considered to be reasonable respecting forward market prices for electricity;

(3) the Administrative Agent shall describe alternative funding arrangements considered to be suitable for the purpose of funding the estimated Funding Shortfalls, including by reference to short term and/or long term Funding Obligations that could reasonably be incurred by Regulatory Asset Owner for such purpose;

(4) such Funding Obligations shall reflect quantities, maturities, payment obligations, prepayment or redemption rights and such other features so that the effect of incurring such Funding Obligations would be that the payments made thereunder in respect of each Reference Period (including the anticipated Finance Amounts becoming payable in relation to such Funding Obligations) would reasonably correspond to the allocations of Unrecovered Transition Costs to the applicable Reference Group under the Fair Allocation Plan;

(5) the Treasury Plan shall reflect the outcome of a financial model that incorporates the assumptions and requirements specified in any contemplated Funding Obligation (e.g., any limit on the maximum amount of Transition Charges attributed to a hypothetical Ratepayer relative to his or her monthly electricity bill, as prescribed by any rating agency that ascribes its credit rating to or in respect of the Funding Obligation having regard to the application of the Allocation Methodology); [***Consider what outputs from OPG will be tested by the OEB and when. The modelling in the Treasury Plan may permit the OEB to check progress against the model from time to time, which may provide a basis for the MoE/OEB to require a review/amendment to the Treasury***

Plan if the ongoing operation of the program results in significant deviation from the model. Consider whether this flexibility is desirable.]

(6) the Administrative Agent, for and on behalf of each Regulatory Asset Owner, shall seek to incur Funding Obligations from time to time on the best terms available at such time for a financing transaction of the size and type contemplated, and having regarding to the following parameters:

a. whether the Regulatory Asset Owner[s] will require committed access to short term liquidity to cover estimated Funding Shortfalls prior to incurring fixed term Funding Obligations, and the amount and repayment terms of any such required liquidity; provided that any Repayment required to be made under the terms of such short-term liquidity would not obligate a Regulatory Asset Owner to repay an amount in relation to a Reference Period that would have the effect of the Treasury Plan permitting incurrences of Funding Obligations payable in such Reference Period that would exceed the allocations of Unrecovered Transition Costs to the applicable Reference Group under the Fair Allocation Plan;

b. the basis upon which the Administrative Agent will select the term to maturity of any other Funding Obligations; provided that any Repayments required to be made under the terms of such Funding Obligations shall not obligate a Regulatory Asset Owner to repay an amount in relation to a Reference Period that would have the effect of the Treasury Plan permitting incurrences of Funding Obligations payable in such Reference Period that would exceed the allocations of Unrecovered Transition Costs to the applicable Reference Group under the Fair Allocation Plan;

c. the basis upon which the interest rates applicable to such Funding Obligations would be determined;

d. the reference capital or finance market in which such Funding Obligation would be incurred, including markets outside of Canada if considered by the Administrative Agent to be appropriate in the circumstances;

e. the currency of payments under such Funding Obligations and, if the Funding Obligations are denominated in a currency other than Canadian dollars, the basis upon which the Administrative Agent shall cause the [applicable] Regulatory Asset Owner to enter into hedging transactions to mitigate currency risk, including acceptable minimum and maximum coverage levels, having regard to the availability of related derivatives having notional amounts corresponding to the repayment and maturity profile of such Funding Obligations;

f. the basis upon which the Administrative Agent will select counterparties under any transaction to be entered into by a Regulatory Asset Owner, including any paying agent, servicer, cash manager, liquidity provider, hedge counterparty, account bank, lender, note trustee, security trustee, paying agent, registrar/transfer agent, financial services agent, arranger or manager;

g. the basis upon which the Administrative Agent will manage counterparty risk, including by providing for maximum counterparty exposure limits having regard

to concentration, credit and other identified risks with respect to individual counterparties or countries;

h. the basis upon which the Administrative Agent will negotiate and settle Finance Amounts, including the amount of any Redemption Amounts, Finance Reserve Deposits and Additional Funding Charges;

(7) ~~a. A description of how the incurrence of Funding Obligations by present and future Designated Ratepayers will be~~the basis upon which Funding Obligations may be redeemed, prepaid, repurchased or otherwise affected, having regard for the need to minimize debt service charges and other Funding Costs, and the need to maintain a stable funding platform to finance the Funding Shortfall from time to time on a basis that is consistent with ~~their respective~~the allocations of ~~costs and benefits as contemplated in~~Unrecovered Transition Costs to applicable Reference Groups under the Fair Allocation Plan;

~~b. The form, amount and timing of Funding Obligations under the Treasury Plan; and~~

(8) the basis upon which any Repayments, Funding Costs and Redemption Amounts will be paid, including any defeasance, sinking fund or through other reserves or liquidity facilities;

(9) the basis upon which fees, charges, expenses, costs, indemnities, reimbursements and other amounts payable to or for the benefit of the Administrative Agent and other agents and service providers to the Regulatory Asset Owner[s] may be determined, allocated and paid;

(10) the timing and basis upon which Finance Reserve Deposits and Finance Reserve Withdrawals may be made;

(11) ~~c. the entities involved in the incurrence of Funding Obligations and execution of the Treasury Plan.~~basis upon which any obligations for any other Additional Funding Charges may be incurred and paid;

~~(3) **Review of Treasury Plan** – The Minister of Energy, or the person(s) designated by written order of the Minister of Energy under Section 8(2), shall review the Treasury Plan submitted in accordance with Section [X](1) and propose any changes to such Treasury Plan that are necessary or desirable to align the Treasury Plan with the requirements set out the [Minister's Order].~~

~~(4) **Approval of Treasury Plan** – The **[OEB]** shall have the power to and shall approve or disapprove of the Treasury Plan based solely on whether the Treasury Plan includes the specifications contemplated under Section [X](2) and whether those specifications [accord with] the assumptions, conditions, requirements and standards set out in the Treasury Plan and the order(s) of the Minister of Energy issued under Section 8(1) and 8(2). If the **[OEB]** fails to approve or disapprove any Treasury Plan within [30] days of [receiving such Treasury Plan],[12] the Treasury Plan is deemed to have been approved.~~

~~[12] Consider whether the Minister's order should set out timelines for each of steps contemplates by this Section [X], or whether these time periods should be hard-coded into the legislation.~~

(12) the basis upon which the cash flows arising from time to time or otherwise derived from the Regulatory Asset may otherwise be applied, including in relation to any counterparty enforcement and realization scenario;

(13) the transmittal to [the IESO] of information related to the amounts to be included in the determination of the Period Transition Charge for a Reference Period;

(14) the basis upon which any Disposition may be made or effected by a Regulatory Asset Owner, including parameters for determining the purchase price for the interest in the Regulatory Asset that is the subject matter of such Disposition, and any consents and releases that may be usefully obtained in connection with such Disposition;

(15) a description of each special purchase entity that will purchase the Regulatory Asset from the IESO, including proposed capitalization, governance, and restrictions on their powers and activities having regard to the parameters in Schedule 4; and

(16) the basis on which any Pledge may be given or effected.

~~Section [X]~~

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Preliminary Draft for Discussion Purposes Only

Schedule 4

Creation of ~~the [OPG Financing Entity~~any Special Purpose Entity to become a Regulatory Asset Owner~~]~~

(1) ~~Creation of the [OPG Financing Entity]~~ ~~– The person(s) designated by written order of the Minister of Energy under Section 8(1) to implement a Treasury Plan may [create] one or many entities, each known as a "OPG Financing Entity" having regard to the following principles:~~**Powers and Abilities**:

a. No part of the revenue or assets of a ~~OPG Financing Entity~~Regulatory Asset Owner shall enure to the benefit or be distributable to its trustees, officers or directors, as the case may be, or any other private persons, except as may be provided for actual services rendered;

b. ~~OPG Financing Entity~~Each Regulatory Asset Owner shall be authorized to:

i. ~~issue bonds~~incur the Funding Obligations contemplated by a Treasury Plan and use the proceeds thereof to purchase or acquire, and to own, hold and use the Regulatory Asset;

ii. contract for servicing of the Restructuring Asset and any bonds contemplated by a Treasury Plan and for administrative services; and

iii. pledge the Regulatory Asset to secure ~~bonds contemplated by a Treasury Plan.~~the Funding Obligations incurred by the Regulatory Asset Owner;

c. So long as any ~~bonds~~Funding Obligations contemplated under a Treasury Plan are outstanding, ~~OPG Financing Entity~~the Regulatory Asset Owner shall not be authorized to merge or consolidate, directly or indirectly, with any person or entity~~.~~;

d. ~~OPG Financing Entity~~the Regulatory Asset Owner shall not have the power or authority to incur or guarantee or otherwise become obligated to pay any debt or obligations other than what is contemplated under a Treasury Plan~~.~~;

e. ~~OPG Financing Entity~~the Regulatory Asset Owner shall cause the proceeds ~~of any bond issuance contemplated under a Treasury Plan~~obtained by incurring any Funding Obligation to be placed in one or more separate accounts and used only to purchase the Regulatory Asset and pay any costs as provided for in a Treasury Plan~~.~~; and

f. ~~S~~so long as the Regulatory Asset is pledged to secure ~~bonds issued under a Treasury Act, the OPG Financing Entity~~Funding Obligations, the Regulatory Asset Owner must apply revenues from the collection of Transition Charges only to repay ~~bonds~~such Funding Obligations and other costs as provided for in a Treasury Plan.

(2) **Governance of ~~[OPG Financing Entity]~~** ~~– A person or persons that effect the creation of OPG Financing Entity shall design the governance of OPG Financing Entity~~**Regulatory Asset Owner** – The Regulatory Asset Owner shall shall be created having regard to the following principles:[***OPG to confirm if SPE will be a trust or another type of entity.***]

a. **[Number of trustees]**

b. **[Replacement of trustees; vacancies; appointment of successors]**

c. **[Removal of trustees for neglect of duty or misconduct]**

d. **[Quorum and meetings]**

e. **[Fiduciary duty]**

f. **[Isolation, separateness and other "non-consolidation" and "bankruptcy remoteness" criteria]**

g. **[Delegation of powers and duties to administrative agents]**

h. **[Delegation of powers and duties to administrative agents]**

Document comparison by Workshare Compare on Wednesday, April 05, 2017 9:13:18 AM

Input:	
Document 1 ID	PowerDocs://TOR_2528/23107566/5
Description	TOR_2528-#23107566-v5-Part_V.2_of_the_Electricity_Act_(Fair_Hydro)
Document 2 ID	PowerDocs://TOR_2528/23107566/7
Description	TOR_2528-#23107566-v7-Part_V.2_of_the_Electricity_Act_(Fair_Hydro)
Rendering set	Standard

Legend:	
Insertion	
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Moved to	
Style change	
Format change	
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Inserted cell	
Deleted cell	
Moved cell	
Split/Merged cell	
Padding cell	

Statistics:	
	Count
Insertions	147
Deletions	90
Moved from	6
Moved to	6
Style change	0
Format changed	0
Total changes	249

LSB Instructs (April 2-17) based on **CONFIDENTIAL**
GOV2016.146.e
5-TK/TP

~~Electricity Amendment~~Fair Hydro Financing Plan Act, 2017 (Hydro Financing Initiative, etc. - title TBD)

EXPLANATORY NOTE

[Insert explanatory note.]

ELECTRICITY ACT, 1998

1. (1) Section 1 of the *Electricity Act, 1998* is amended by adding the following clause:

[OLC Note: GGRA provisions have been removed for now. Please confirm if they should be re-inserted.]

(2) Clause 1 (f) of the Act is struck out and the following substituted:

(f) to protect the interests of consumers with respect to the adequacy, reliability and quality of electricity service;

(f.1) to protect the interests of consumers with respect to the prices they pay for electricity, including protection of those interests through the Hydro financing initiative;

[OLC Note: Since the Hydro financing initiative is a defined term and is clearly required to be implemented under the new substantive provisions of the Act, I'm still not sure why this needs to be addressed in the purpose clause. However, I have included a purpose provision as per your instructions.]

Article 1 – Purpose

The proposed new legislation will likely include a large number of provisions intended to support the "financeability" of the structure. As a result, it may make sense for (LSB is exploring the potential) the Bill to create a new stand-alone energy statute, much like the *Green Energy and Green Economy Act, 2009* created the *Green Energy Act, 2009*.

The new legislation would have a purpose clause that explains the objective of intergenerational fairness. This would be useful for the markets to see, and may

IESO key issues with draft legislation

In addition to a number of detailed drafting questions and comments, the IESO has identified the following as its key issues on the draft legislation circulated April 3, 2017:

1. Regulatory Asset / deferral amount definition –
    a. Stikeman's draft proposing language relating to the creation and transfer of regulatory asset. Property issues.
    b. Role of OEB in setting price during deferral phase and recovery phase. Important for regulatory accounting treatment.
    c. Clarity of drafting – should not be defined by what is purchased by Financing Entity, but rather by what is deferred (i.e. difference between amount invoiced to LDCs and amount collected due to price mitigation).
    d. What is included in regulatory asset? i.e. IESO financing costs, taxes? RPP forecast variance? Original RPP variance as at April 30 2017 – does this get included?
    e. Limited to GA attributable to procurement contracts? What if difference between amount invoiced to LDCs and amount collected is greater than GA attributable to procurement contracts.
    f. can asset be created in the financing entity to avoid need for sale?

2. IESO liability relating to regulatory asset –
    a. Legislation must be clear that the IESO does not have obligations/liabilities regarding the regulatory asset after it has been divested to the Financing Entity. No recourse to IESO. Amounts cannot be debts / guarantees of the IESO.
    b. IESO role collecting deferral amount – as agent, not principal.
    c. IESO cannot be obligated to make full payment of deferral amount by a certain date. Should be drafted to indicate the regulatory asset must be collected by a set date, without placing that obligation on the IESO.
    d. Important from accounting and pragmatic perspective (i.e. IESO is not for profit entity with no source of funding other than ratepayers, or primarily government backed lending).
    e. Is there possibility deferred amount is not purchased from IESO? What happens in that eventuality?
    f. What is role of IESO, as principal or as clearing house?

3. Role of IESO:
    a. in determining difference between amounts collected from eligible consumers and the amounts that LDCs owe the IESO must be understood. IESO receives payments and information regarding amounts collected from LDC consumers only from the LDCs. LDCs inform the IESO of the shortfall in the total amount invoiced by the IESO to the LDC. IESO does not generate this information itself.

b. Collecting deferral amount from consumers. IESO will collect from LDCs, who collect from the eligible class of consumers.
c. IESO role collecting deferral amount – as agent, not principal.
d. IESO cannot be entity to determine recovery amounts. Needs to be another party [Ministry/OEB?] from inputs from financing entity.

4. IESO objects –
    a. We recommend that the new IESO objects relating to Fair Hydro Plan be drafted generally rather than specifically to provide flexibility for unanticipated issues.

5. Legislation structure –
    a. IESO supports a separate section for the deferral mechanisms. (i.e. separate from 25.33).

6. Recovery amount –
    a. An input into RPP price, or a separate identifiable amount?
    b. Role of OEB in determining this amount is important for accounting.

7. IESO is not borrowing from financing entity –
    a. these references in draft legislation to be removed.

8. IESO and OPG trust sale process –
    a. Need to clarify roles and obligations and make sure sale must occur or deal with what happens if it does not.

ALLISON, JUNE

From: Calwell, Carolyn (ENERGY/MEDEI/MRI) <Carolyn.Calwell@ontario.ca>
Sent: Friday, April 07, 2017 11:49 AM
To: ALLISON, JUNE
Subject: Fw: Legislation - Accounting comments

Original Message
From: WONG Leslie -LAWDIV <leslie.wong@opg.com>
Sent: Friday, April 7, 2017 11:25 AM
To: Calwell, Carolyn (ENERGY/MEDEI/MRI); ASHBOURNE, STEPHEN
Cc: LEE John -TREASURY; Hill, Krista; Ramchandani, Rima; Myers, Jonathan; 'Feldman, Michael'; JORDA Jenny -FIN & C CTRL; RYFA Ken -TREASURY; MCAULEY Tyler -LAWDIV; Alan Hibben; Michael Boll; 'Peter Hamilton'; Emes, Aaron
Subject: Fw: Legislation - Accounting comments

Carolyn and Steve - As mentioned to Carolyn, I am forwarding the comments from OPG's accounting group on the legislation for discussion today.

Could we get copies printed out for this meeting?

Regards,

Les

Sent from my BlackBerry 10 smartphone on the Bell network.
From: JORDA Jenny -FIN & C CTRL <jenny.jorda@opg.com>
Sent: Friday, April 7, 2017 11:17 AM
To: WONG Leslie -LAWDIV
Cc: MAUTI John -FIN & C CTRL; LEE John -TREASURY; RYFA Ken -TREASURY; CHENG Alec -FIN & C CTRL
Subject: Legislation - Accounting comments

Hi Les,

We have reviewed the Legislation as drafted and noted a few fundamental accounting issues that would not achieve the proposed accounting that the Province desires. Please keep in mind that these comments only pertain to the Legislation and there are other accounting conditions that need to be reflected in other agreements (i.e. Trust documents and service agreements) in order for the accounting to work.

1. Amount of involvement by the Minister of Energy in the 'Fair Allocation Plan' (FAP)

Relevant sections of Legislation: Article 7.1 and 7.2

Accounting Principle Required:

* The Legislation must dictate the manner in which the restructured asset would be determined so that the determination of the restructured asset will not be subject to the Province's decisions on an ongoing basis, but determined based on a formula. Alternatively, the Legislation may allow for an adjustment to the pre-determined deferral formula based on specific parameters that would limit the adjustment to the restructured asset.

Comments:

* Assumption that the FAP will drive the formula which determines how much will be deferred and collection parameters. Current legislation gives the Minister of Energy the power to amend this plan, which in turn gives them the ability to amend the formula. This goes against the terms and conditions of the Province not being able to control how much is deferred, but should be on 'autopilot'. Suggest removing the MOE's ability to amend/restate or terminate plan.

1. Prescriptive nature of the Financing Plan

Relevant sections of Legislation: Article 8 and Schedule 3 and Schedule 4

Accounting Principle Required:

* The Trust must be undertaken by OPG as a business initiative on its merits. Shareholder direction is to be limited to direct OPG to investigate the option of establishing a Trust vehicle to administer, finance and operate the Global Adjustment plan and the operation of that Trust and the control, risk and rewards of that Trust will determine its consolidation into OPG as a business enterprise .
* The Trust should not operate in a predetermined way such that OPG does not have decision-making authority over the Trust's ongoing activities after its formation (i.e. should not operate on 'autopilot').

Comments:

* Legislation cannot be dictating what the Trust can and cannot do. All funding decisions must be made autonomously by the Trust with no intervention by the Province. Any language in the Legislation about the MOE 'directing' the Financing Entity needs to be removed.
* Suggestion to remove Article 8 from Legislation or keep the language very basic, i.e. a Plan will be created. Management of the Financing Plan should remain solely the activity of the Trust.

1. OEB Involvement

Relevant sections of Legislation: Article 8

Accounting Principle Required:

* No party shall have the ability to remove OPG from its role and authority in the Trust.
* The Province cannot have the right to be able to veto OPG's decisions about the relevant activities of the Trust. OPG must have the power over the relevant activities of the Trust and be compensated. The relevant activities of the Trust

include (but are not limited to) the evaluation and decisions on financing alternatives, duration, and the strategy to minimize financing costs.

Comments:

* The OEB cannot have any involvement with the Financing Entity and OEB involvement should be limited to the IESO level (in terms of recording the Regulatory Asset) and not in the financing process.

1. Restrictions on Regulatory Asset

Relevant sections of Legislation: Article 8.7 and Article 9.3 and Schedule 4

Accounting Principle Required:

* OPG must have the ability to earn variable returns by exercising its authority.
* The Legislation must be written to avoid legal or constitutional challenges and be seen as virtually unchangeable to reduce the cost of borrowing and with a specific formula which determines the deferral amount. OPG needs to be able to keep the residual. This is an important item to ensure accounting is on side.

Comments:

* OPG needs to be able to make money from this initiative, therefore Article 9.3 is problematic (shall prevent the [OEB] or any successor regulator from taking into account the collection by or attribution to such person of administrative or servicing fees in excess of the actual incremental costs incurred by such person of providing administrative or servicing services)
* The accounting will not work if OPG is only able to recover incurred costs with no profit component as it would not be viewed as that of a commercial transaction.
* There is a requirement to show that there is variability in the returns that OPG expects to be obtained from the Trust through its power to control the activities of the Trust. It is expected that this variability be built into the management fees. (i.e. not sure how OPG will get returns if the actual debt cost is passed back and anything residual has to be returned to ratepayers)

Jenny Q Jorda, CPA, CA | Senior Manager, Accounting Policy and Controls | Ontario Power Generation
700 University Avenue, Toronto ON M5G 1X6 | Phone: (416) 592-2531| Fax: (416) 592-7758 |E-mail: jenny.jorda@opg.com<mailto:jenny.jorda@opg.com>

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IESO Confidential – April 4, 2017

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   a. Need to clarify roles and obligations and make sure sale must occur or deal with what happens if it does not.

FAIR HYDRO PLAN — PROPOSED DEFINITIONS

1. "**consumers**" means all current and future members of the class of consumers eligible to receive a reduction in the price of electricity pursuant to the hydro financing initiative. ***[NTD: Class of eligible consumers as set out in the draft regulations to be discussed. Are these classes of consumers readily identifiable?]***

2. "**Deferral Amount**" is the cumulative amount recorded each month during at least the next four years by IESO or its successor representing the difference for that month between (i) the amounts to be billed to consumers on the basis of the RPP prices determined by OEB, and (ii) the amounts that otherwise would have been billed to those consumers had the reductions attributable to the Fair Hydro Deferral Program not been applied. ***[NTD: We have not used "amounts collected" because we believe that the differences between amounts billed and amounts collected should have nothing to do with the Fair Hydro Deferral Program; these differences will continue to be dealt with between IESO and the LDCs as they are currently dealt with. "Deferral Amount" is an IESO concept. Even if IESO does not sell anything to a Financing Entity (for example, because the FE cannot get financing), IESO still owns the right to collect and recover the Deferral Amount.]***

3. "**Qualified Costs**" means (i) the Deferral Amounts, together with (ii) all interest and other financing charges and issue costs incurred by or on behalf of a Financing Entity to finance the purchase of such Regulatory Asset (or the refinancing of such financing) and (iii) all operating costs and expenses incurred by or on behalf of a Financing Entity. ***[NTD: The dealers have advised OPG that the OEB cannot have any discretion to approve or disapprove of any of the items included in Qualified Costs.]***

4. "**Fair Hydro Deferral Charges**" is the nonbypassable portion of the bill that the IESO, as servicer for a Financing Entity, is obligated to ensure is duly billed and collected from consumers in order to enable a Financing Entity to recover all of its Qualified Costs as the same become due and payable. ***[NTD: We think that present and future Fair Hydro Deferral Charges are the one aspect of the Regulatory Assets that can be dealt with under the PPSA insofar as the PPSA covers perfection of assignment or granting security interests over present and future accounts receivable. The other aspects of the Regulatory Assets cannot be dealt with under the PPSA unless the new Fair Hydro legislation allows it to be.]***

5. "Regulatory Asset" means the right, title and interest of the owner thereof to (i) record its Qualified Costs in its accounts, (ii) impose, bill, collect and receive Fair Hydro Deferral Charges in an amount necessary to recover all of its Qualified Costs as the same become due and payable, (iii) obtain periodic adjustments of the Fair Hydro Deferral Charges as necessary to recover the Qualified Costs as the same become due and payable, and (iv) all revenue, collections, claims, payments, money and proceeds arising out of the rights, title and interests described in (i) through (iii) above, regardless of whether such revenue, collections, claims, payments, money and proceeds are imposed, billed, collected and maintained together with or commingled with other revenue, collections, claims, payments, money and proceeds. ***[NTD: Regulatory Assets constitute a current and irrevocable present property right (even though the imposition and collection of Fair Hydro Deferral Charges depends on further acts of IESO or others that have not yet occurred) that is created under the legislation and transferred from IESO to a Financing***

Entity representing the rights described in the previous sentence (which is a hybrid of an intangible right akin to a government licence and present and future accounts receivable derived therefrom). Regulatory Assets are NOT fungible. The characteristics of a Regulatory Asset may change depending upon who owns it, because the Qualified Costs recoverable pursuant to the Regulatory Asset may change depending upon how the owner is financing its ownership and what its costs and expenses of operation are.]

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Preliminary Draft for Discussion Purposes Only

"Fair Hydro" – Part V.2

Article 1 – Purpose

IESO has entered into Power Contracts with Generators. The agreed-upon reference prices and future quantities set out therein were determined based on commitments made by IESO to provide Generators with long-term price certainty, so as to encourage the long-term construction and development of facilities for the purpose of generating electricity using sustainable, lower carbon-based technologies such as new gas-fired generation, renewable facilities, energy from waste and biomass, including under the Province's various procurement, standard offer and feed in tariff programs (the "Green Generation Initiative"). The terms of the Power Contracts were intended to approximate the anticipated useful life of the related generation assets; however, it has been determined that the useful life of many of these assets will be well in excess of the actual term of the related Power Contracts and will extend over more than one generation of ratepayers. The long-term benefits of the Green Generation Initiative accrue over time and have benefited and will benefit present and future ratepayers of the Province. Currently, market prices for electricity are less than the reference prices set out in the Power Contracts, leaving a gap in funding which is funded by charging ratepayers a "Global Adjustment" (part of which is available to IESO to pay this shortfall).

Each month, the IESO determines the Global Adjustment payable by consumers for the consumption of electricity in the Province. A component of the Global Adjustment is the amount by which the reference prices in the Power Contracts exceed the market price for electricity for the quantities of electricity specified under the Power Contracts for the relevant period. The relationship between the past, present and future benefits to Ratepayers from the Green Generation Initiative, on the one hand, and the costs of the Green Generation Initiative borne by past, present and future Ratepayers through their respective allocations of the Global Adjustment, on the other hand, do not necessarily reflect an equitable allocation of such benefits and costs over time, with the result that an adjustment may be appropriate to address inter-generational fairness considerations. Such an adjustment should reflect principles and parameters that can be applied from time to time in order to establish a reasonable basis for measuring and allocating the relative costs and benefits of the Green Generation Initiative across present and future Ratepayers. A plan to allocate such costs and benefits equitably across present and future Ratepayers may be developed based on those principles and parameters (a "Fair Allocation Plan").

If a Fair Allocation Plan determines that the equitable allocation of the Global Adjustment to the Ratepayers of a particular time period in respect of the Power Contracts should be reduced below the amount otherwise determined, the amount payable by such Ratepayers to Electricity Distributors in respect of such period, and in turn by the Electricity Distributors to the IESO, would, in the aggregate, be less than the amount payable by the IESO to the Generators under the Power Contracts in respect of such period. If the difference is greater than any net Power Contract surpluses available to IESO from earlier periods, IESO will have a funding shortfall. In order for IESO to cover such a funding shortfall for a period, IESO will need to obtain funding from another source, which could include funding from third party sources operating in public and private capital markets. If a funding obligation is incurred in order to enable the IESO to cover a funding shortfall during one period, the repayment of such funding obligation will be

required in a future period, and any related repayments, finance costs, hedging costs and other transaction costs will be incurred and may become payable in one or more other periods.

It will be necessary to provide a reliable and committed source of cash flows to enable IESO to repay such funding obligations and to pay related funding costs with certainty when the funding obligations become due and payable. This Part imposes irrevocable and non-bypassable financial obligations of Ratepayers to pay amounts incurred in respect of such funding obligations when they become due and payable. Such financial obligations will constitute property rights and interests, which will take the form of the Regulatory Asset contemplated in this Part. The Regulatory Asset will be sold and absolutely assigned and will belong to one or more newly created financing entities, which in turn will finance their purchase of such Regulatory Asset by incurring funding obligations. The incurrence and payment of such funding obligations will be administered on behalf the financing entities by an administrative agent (initially OPG), under the Treasury Plan contemplated in this Part. The Treasury Plan will seek to reasonably match the payment obligations arising under funding obligations and borne by the future Ratepayers of the period in which such payment obligations become due, with the costs and benefits of the Green Generation Initiative attributed to such future Ratepayers under the Fair Allocation Plan.

The purpose of this Part is to establish the basis upon which intergenerational fairness can be achieved by attributing the costs and benefits of the Green Generation Initiative to present and future Ratepayers on an equitable and cost effective basis.

Article 2 - Definitions

In this Part:

> "Absolute Assignee" means a person to whom a Regulatory Asset Owner assigns, transfers, conveys, sells, contributes, sets over, exchanges or disposes all or a specified portion (including a specified portion on a divided basis or by way of an undivided interest) of the transferring Regulatory Asset Owner's right, title and interest in, to and in respect of the Regulatory Asset.
>
> "Actual" means, in relation to costs, expenses or payments in respect of Funding Obligations during a Reference Period, the actual amount of such costs, expenses or payments paid or made (net of any Finance Reserve Withdrawals applied to pay such amounts), which amounts shall be recorded by the Administrative Agent whose records shall be determinative for the purposes of this Part in the absence of a manifest calculation error.
>
> "Additional Funding Charges" means, for a Reference Period, the fees, charges, expenses, costs, indemnities, reimbursements and other amounts (including any applicable tax amounts) that are or become payable by the Regulated Asset Owner during the Reference Period and that were incurred or committed to directly or indirectly in connection with the incurrence of Funding Obligations under the Treasury Plan (whether at the time of such incurrence or over the term of the Funding Obligation and whether directly or indirectly), including (without duplication and without limitation): (a) any payment required under an ancillary agreement entered into by, or by the Administrative Agent on behalf of, the Regulatory Asset Owner under the Treasury Plan; (b) any federal, provincial or local taxes, payments in lieu of taxes, franchise fees or license fees imposed on the Regulatory Asset Owner or incurred by on behalf of the

Regulatory Asset Owner under any obligation to pay tax gross-up amounts to counterparties under Funding Obligations; (c) any amounts payable to the Administrative Agent, including amounts payable to its advisors and outside counsel; (d) any amounts incurred to prepare, confirm, amend and implement the Treasury Plan; (e) any amounts payable to any Alternative Collection Agent or Alternative Invoicing Agent, including amounts payable to each's advisors and outside counsel; (f) any amounts incurred to make the calculations, determinations or confirmations to be made by or on behalf of the Regulatory Asset Owner; (g) any servicing fees and expenses; (h) any trustee fees and expenses; (i) any legal fees, expenses and disbursements; (j) any accounting fees and expenses; (k) any administrative fees and expenses; (l) any placement fees, underwriting fees, fees and related issuing expenses; (m) any rating agency fees; and (n) any other related fees, charges, expenses, costs, indemnities, reimbursements and other amounts that are approved in good faith for recovery and payment under the Treasury Plan.

"Administrative Agent" means [OPG] or, following any Replacement Event, such other person or persons who may be appointed as the administrative agent of the Regulatory Asset Owner under the Treasury Plan in compliance with the requirements set out in Schedule 2.

"Alternative Collection Agent" means a person appointed under Section 5(11) and in compliance with the requirements set out in Schedule 2 to assume the collection activities and activities of any Electricity Distributor or IESO under Article 5, as agent for and on behalf of the Regulatory Asset Owner.

"Alternative Invoicing Agent" means a person appointed under Section 4(8) to assume the invoicing and other activities of any Electricity Distributor under Article 4, as agent for and on behalf of the Regulatory Asset Owner.

"Attribution Methodology"[1] means the methodology specified in the Fair Allocation Plan for allocating the Period Transition Charges for a Reference Period to the individual Ratepayers of the applicable Ratepayer Group.

"Collected Amount Adjustment" means, in respect of a Reference Period, the amount (which may be a negative amount) calculated by the Administrative Agent equal to (a) the Estimate of the Finance Amount for the True-Up Period, minus (b) the sum of all Transition Charge Collections for the True-Up Period.[2]

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[1] A key question will be how the overall costs will be spread across the rate base. For simplicity, overall costs could be spread across the rate base based on a *per capita* (ratepayer) concept. This would generally mean that all consumers who are invoiced in a month would pay the same Transition Charge, and to the extent that the invoiced amounts (i.e., the Transition Charges billed for a month) are higher or lower than the actual costs, due to a change in the Consumer Base, that difference should (among other things) be reflected in the True-Up calculation for the relevant reference period (see "Collected Amount Adjustment"). To the extent that a different allocation method is adopted (such as based on actual electricity use by individual consumers), the divisor for the Transition Charge will need to be modified.

[2] This would pick up adjustments based on actual collection experience, changes in the Consumer Base, changes in the actual costs (versus earlier estimates) included in the Transition Charge calculation, etc.

["Consumer Base" means, for a Reference Period, the total number of Ratepayers in the Ratepayer Group determined by the Administrative Agent as of the [30th] day immediately preceding the first day of the Reference Period.]

"Disposition" means an assignment, transfer, conveyance, sale, contribution, set-over, exchange or other disposition of all or a specified portion (including a specified portion on a divided basis or by way of an undivided interest) of a Regulatory Asset Owner's right, title and interest in, to and under the Regulatory Asset to an Absolute Assignee.

"Electricity Distributor" means, in respect of a Service Area, the distributor of electricity to residences located in such Service Area.

"Electricity Distributor Remittances" means, for an Electricity Distributor on a Remittance Date, all Transition Charge Collections received by the Electricity Distributor prior to the Remittance Date and that have not otherwise been remitted to IESO or if applicable the Alternative Collection Agent in accordance with Section 5(3) , including the proceeds of any enforcement action undertaken by the Electricity Distributor or if applicable the Alternative Collection Agent to recover payment of Transition Charges in accordance with Article 5.

"Electricity Invoice" means an invoice issued by an Electricity Distributor (or in its stead, an Alternative Invoicing Agent) in respect of electricity charges and related services and amounts incurred, assessed or attributed in respect of a residence located in the Electricity Distributor's designated Service Area.

"Estimate" means, in relation to costs, expenses or payments in respect of Funding Obligations or any Finance Amount for a Reference Period, the estimated amount of such costs, expenses or payments determined by the Administrative Agent having regard to the applicable principles and parameters set out in Schedule 1, which estimated amounts shall be determinative as the applicable estimate for the purposes of this Part in the absence of a manifest calculation error.

"Fair Allocation Plan" has the meaning given in Article 1.

"Finance Amount" means, in respect of a Reference Period, the sum (without duplication) of the following amounts for the Reference Period: (a) Repayments; (b) Funding Costs; (c) Redemption Amounts; (d) Finance Reserve Deposits; and (e) Additional Funding Charges.

"Finance Receipts" means, for a Reference Period, all amounts received by or on behalf of the Regulatory Asset Owner during the Reference Period in respect of a Funding Obligation, including from any reimbursement of standby commitment fees or charges paid by a lender, any reimbursement of credit enhancement fees or charges paid by any credit enhancer, any reimbursement of liquidity fees or charges paid by any liquidity provider, any amounts (including any termination payments) paid to the Regulatory Asset Owner under derivatives and any withdrawal made or required to be made from a debt service reserve account or other account established under any indenture, ancillary agreement or other financing document relating to a Funding Obligation.

"Finance Reserve Deposits" means, for a Reference Period, the amount by which (a) deposits made or to be made during the Reference Period in order to pre-fund,

collateralize, over-collateralize or establish reserves for the ultimate payment of Funding Obligations or for related contingencies specified in the Treasury Plan, exceed (b) any Finance Reserve Withdrawals.

"Finance Reserve Withdrawals" means, for a Reference Period, the amount withdrawn during the Reference Period from deposits previously made to pre-fund, collateralize, over-collateralize or establish reserves for the payment of Funding Obligations or to pay amounts in respect of related contingencies that had been specified in the Treasury Plan.

"Funding Costs" means, for a Reference Period, the amount by which (a) the aggregate of all interest and other periodic finance charges accruing due and becoming payable or paid by or on behalf of the Regulatory Asset Owner during the Reference Period in respect of all Funding Obligations, including any standby commitment fees or charges paid to any lender, credit enhancement fees or charges paid to any credit enhancer, liquidity fees or charges paid to any liquidity provider, amounts (including any termination payments) paid under derivatives and any deposit amount made or required to fund or replenish a debt service reserve account or other account established under any indenture, ancillary agreement or other financing document relating to a Funding Obligation, exceeds (b) the aggregate of all Finance Receipts for the Reference Period.

"Funding Obligation" means each payment obligation (including indebtedness, payment obligations arising under or in respect of derivatives, payment obligations owing to service providers, administrative agents, finance entity intermediaries, capital markets intermediaries, advisors, lenders, credit enhancement providers, liquidity providers, disbursement counterparties, regulatory agencies and rating agencies) incurred by or on behalf of the Regulatory Asset Owner under the Treasury Plan in order to fund a Funding Shortfall for a Reference Period, including any Refinancing of another such payment obligation.

"Funding Shortfall" means, for a Reference Period, (a) the amount, if any, by which (i) the IESO Power Contract Net Payment for the Reference Periods, exceeds (ii) the GA Power Contract Contribution for Reference Period, minus (b) the IESO Applied Surplus for the Reference Period.

"GA Power Contract Contribution" means, for a Reference Period, the aggregate of the payments to be made by the applicable Ratepayer Group in respect of the portion of the Global Adjustment attributable to the Power Contracts in accordance with the Fair Allocation Plan.

"Generator" means a generator of electricity that is subject to this Act.

"Global Adjustment" means the amount calculated from time to time under [Section • of the *Electricity Act*], which includes among other things an amount determined in respect of the costs associated with the Green Generation Initiative, including amounts attributable to the Power Contracts.

"Green Generation Initiative" has the meaning given in Article 1.

"IESO Applied Surplus" means, for a Reference Period, the lesser of (a) the amount, if any, by which (i) the IESO Power Contract Net Payment for the Reference Periods,

exceeds (ii) the GA Power Contract Contribution for Reference Period and (b) the IESO Unapplied Surplus on the last day of the immediately preceding Reference Period.

"IESO Power Contract Net Payment" means, for a Reference Period, the amount by which (a) the sum of amounts payable by IESO to the Generators to IESO under all Power Contracts for the Reference Period, exceeds (b) the sum of amounts payable by the Generators to IESO under all Power Contracts for the Reference Period.

"IESO Power Contract Net Receipt" means, for a Reference Period, the amount by which (a) the sum of amounts payable by the Generators to IESO under all Power Contracts for the Reference Period, exceeds (b) the sum of amounts payable by IESO to the Generators to IESO under all Power Contracts for the Reference Period.

"IESO Remittances" means, for a Settlement Date, all Electricity Distributor Remittances received by IESO or if applicable the Alternative Collection Agent prior to the Settlement Date and that have not otherwise been remitted to the Regulatory Asset Owner in accordance with Section 5(6), including the proceeds of any enforcement action undertaken by IESO or if applicable the Alternative Collection Agent to recover payment of amounts payable by Electricity Distributors to IESO in accordance with Article 5.

"IESO Unapplied Surplus" means, at a particular time, the amount, if any, by which (a) the sum of (i) all IESO Power Contract Net Receipts for Reference Periods occurring prior to the time, and (ii) all GA Power Contract Contributions for Reference Periods occurring prior to the time, exceeds (b) the sum of (i) all IESO Power Contract Net Payments for Reference Periods occurring prior to the time, and (ii) all IESO Applied Surpluses for Reference Periods occurring prior to the time.

"Period Transition Charge" means, for a Reference Period, the sum of (a) the Estimate of the Finance Amount and (b) the True-Up Amount in respect of the immediately preceding Reference Period.

"Pledge" means a lien, mortgage, charge, right of set-off or security interest granted to or in favour of a Pledgee by a Regulatory Asset Owner in, to and over all or a specified portion (including a specified portion on a divided basis or by way of an undivided interest) of the Regulatory Asset.

"Pledgee" means a person to whom [or for whose benefit] a Regulatory Asset Owner grants a Pledge.

"Power Contracts" means long-term power contracts entered into by IESO with certain Generators, under which IESO has agreed to pay such Generators amounts, determined in respect of quantities of electricity over specified periods, to the extent that applicable market prices for such quantities of electricity during a specified period are less than specified reference prices for such quantities of electricity, and, correspondingly, Generators have agreed to pay IESO amounts if the market prices for such quantities exceed the applicable reference prices for such quantities.[3]

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[3] Should this contemplate the possibility of additional or amended power contracts?

"Province" means the Province of Ontario.

"Ratepayer" means present and future [retail] consumers of electricity [in the Province] who are [RPP][or OREC-eligible] consumers, which shall include all such retail consumers who are connected to the transmission and distribution system assets located in the Province and who are taking electric delivery service within the Province, whether or not such retail consumers produce their own electricity or purchase electric generation services from a provider of electric generation services other than the owner of the Province's transmission and distribution system assets and whether or not the transmission and distribution system assets continue to be owned or operated by Electricity Distributors or IESO.[4]

"Ratepayer Group" means, in relation to a Reference Period, the Ratepayers who receive Electricity Invoices during the Reference Period.

"Redemption Amount" means the amount payable by or on behalf of a Regulatory Asset Owner to redeem, prepay or repurchase a Funding Obligation, including any premium, make-whole or other additional amount becoming payable under the Funding Obligation to give effect to such redemption, prepayment or repurchase.

"Reference Period" means (a) the period from (and including) the [Legislation Implementation Date] to (and including) June 30, 2017, (b) each six month period commencing [July 1st and January 1st] thereafter and (c) any other period specified as such in the Fair Allocation Plan.

"Refinancing" means that a Funding Obligation is repaid or repurchased for cancellation by or on behalf of the Regulated Asset Owner by applying the net proceeds obtained by the Regulated Asset Owner incurring one or more other Funding Obligations.

"Regulatory Asset" means the property right and interest described in Section 6(1).

"Regulatory Asset Account" means (a) for an Electricity Distributor, any bank account into which the Electricity Distributor deposits or receives Transition Charge Collections; (b) for IESO, any bank account into which IESO deposits or receives Electricity Distributor Remittances; and (c) if applicable, for the Alternative Collection Agent, any bank account into which the Alternative Collection Agent deposits or receives Transition Charge Collections, Electricity Distributor Remittances or IESO Remittances.

"Regulatory Asset Owner" means, collectively, (a) IESO, to the extent that it has retained any ownership interest in, to or under the Regulatory Asset and (b) each Absolute Assignee, to the extent that it has acquired and owns any ownership interest (including a specified portion on a divided basis or by way of an undivided interest) in, to or under the Regulatory Asset, which together own the entirety of the Regulatory Asset and are required to exercise their individual rights of ownership in accordance with Section 6(7).

"Related Generation Assets" means the [facilities, plants and equipment] constructed, acquired or developed in connection with the Green Generation Initiative.

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[4] Need to describe consumers in a fashion that is broad and not weakened by a bypass risk.

"Related Rights" means all rights of any kind (whether in tort, contract or otherwise) of the Regulatory Asset Owner that attach or are attendant or incidental to any of the other property rights or interests that comprise the Regulatory Asset.

"Remittance Date" means, in respect of an Electricity Distributor, each day on which it is required to remit Electricity Distribution Remittances to IESO or if applicable the Alternative Collection Agent in accordance with any Funding Obligation or, if no such day is specified in relation to any Funding Obligation, then the Business Day preceding each Settlement Date.

"Repayment Obligation" means an obligation to repay, redeem or repurchase, or to provide for the repayment, redemption or repurchase (including by making a Finance Reserve Deposit) of, all or a portion of the amount advanced to the Regulatory Asset Owner under a Funding Obligation.

"Repayment" means a payment by a Regulatory Asset Owner made to satisfy a Repayment Obligation, other than to the extent that the payment is made by applying the proceeds of a Refinancing.

"Replacement Event" means any event specified as such in a Funding Obligation.

"Service Area" means, in respect of an Electricity Distributor, the geographic area or region in which it is [permitted] to distribute electricity to residences in accordance with this Act.

"Settlement Date" means the [last Business Day of any month].

"Treasury Plan" means the written plan prepared by the Administrative Agent in compliance with Article 8 to set forth the basis upon which, among other things: (a) any Disposition may be made or effected; (b) any Funding Obligations may be incurred in order to fund a Funding Shortfall, including any Refinancing; (c) any Pledge may be given or effected; (d) any Funding Obligations may be redeemed, prepaid, repurchased, amended or otherwise effected; (e) any obligations for Additional Funding Charges may be incurred and paid; (f) any Repayments, Funding Costs and Redemption Amounts may be paid or provided for; (g) any Finance Reserve Deposits may be made; and (h) the cash flows arising from time to time or otherwise derived from the Regulatory Asset may otherwise be applied.

"Transition Charge" means, in respect of a Reference Period, [one-sixth] of the Period Transition Charge, [divided by the Consumer Base[5]].

"Transition Charge Collection" means any amount received or deemed by this Part to have been received upon the collection of a Transition Charge paid by or on behalf of a Ratepayer, including any proceeds arising from the exercise and enforcement of any related rights and interests under or in respect of the Regulatory Asset.

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[5] See footnote 1, above.

"True-Up Amount" means, in respect of a Reference Period, the amount (which may be a negative amount) calculated by the Administrative Agent equal to (a) the Estimate of the Finance Amount for the related True-Up Period, minus (b) the Actual Finance Amount for such related True-Up Period, plus (c) the Collected Amount Adjustment.

"True-Up Period" means, in relation to a Reference Period, the period from and including the [30th] day immediately preceding the first day of the Reference Period, to but excluding the [30th] day immediately preceding the last day of the Reference Period.

"Undertaking of the Lieutenant Governor in Council" means the undertaking of the Lieutenant Governor in Council given under Section 10(2).

"Unrecovered Transition Costs" means the [unrecovered][unamortized] costs incurred in connection with the creation, adoption and implementation of the Green Generation Initiative, including any negative value of the Power Contracts and [other].

Article 3 – Transition Charges

(1) **Ratepayer Obligation to Pay a Transition Charge** – Each Ratepayer shall pay each Transition Charge attributed to it and specified as such in any Electricity Invoice issued to such Ratepayer by its Electricity Distributor or by an Alternative Invoicing Agent under Section 4(1), in each case on the terms of payment specified in the related Electricity Invoice.

(2) **Indebtedness of Ratepayers** – Until paid, a Transition Charge attributed to a Ratepayer and recorded in an Electricity Invoice shall, together with any applicable late payment fees and finance charges arising under the terms of the Electricity Invoice with respect to such Transition Charge, constitute indebtedness of the Ratepayer to the Regulatory Asset Owner. Such indebtedness shall constitute a single and separate debt obligation owing by the Ratepayer, which subject to Article 5 may be enforced independently from any other payment obligation or indebtedness owing by the Ratepayer under the Electricity Invoice or otherwise.

(3) **No Set-Off or Reduction** – A Ratepayer may not set-off or reduce (by counterclaim, defense or otherwise) the amount payable by it in respect of any Transition Charge, including any set-off against or in respect of any amount owing or becoming payable to such Ratepayer by its Electricity Distributor, the Regulatory Asset Owner or any other person.

(4) **Allocation of Ratepayer Payments** – If an Electricity Distributor receives a payment made by or on behalf of a Ratepayer in respect of amounts due and payable under one or more Electricity Invoices that is less than the total amount payable thereunder, such payment shall be allocated on a *pro rata* basis to the payment of related Transition Charges and other invoiced amounts and the amount so allocated as a payment of related Transition Charges shall be deemed to constitute a Transition Charge Collection.

(5) **Transition Charges are Irrevocable** – The Transition Charges arising under or in respect of Funding Obligations incurred under the Treasury Plan (including any adjustments based on modifications to such Funding Obligations made in compliance with the Treasury Plan or as a result of amendments to the Treasury Plan made in accordance with Section 8(3)) are deemed to be irrevocable, final and effective without

any further action. For greater certainty, a Transition Charge may include Finance Amounts for a Reference Period whether or not the payment of such Finance Amounts are inconsistent with the Fair Allocation Plan applicable at the time such payments are due and payable whether or not the related Funding Obligation was properly incurred under the Treasury Plan. In no case shall a Funding Obligation incurred under the Treasury Plan be affected by a subsequent amendment to the Fair Allocation Plan.

(6) **[Anti-avoidance; No-by-pass** – Transition Charges attributed to a Ratepayer in respect of any Finance Amount incurred under with the Treasury Plan applicable at the time the related Funding Obligation was incurred may not be avoided and shall be [non-by-passable].]

Article 4 – Invoicing of Transition Charges

(1) **Inclusion of Transition Charges in Electricity Invoices** – Each Electricity Distributor and if applicable any Alternative Invoicing Agent shall, as an agent of the Regulatory Asset Owner, specify the Transition Charge to be attributed to a Ratepayer pursuant to Section 4(4) in respect of a related Reference Period in each Electricity Invoice issued by the Electricity Distributor or if applicable by the Alternative Invoicing Agent to the Ratepayer in respect of such Reference Period. Upon the inclusion of a Transition Charge in an Electricity Invoice, the obligation to pay such amount shall be deemed to have been imposed on and billed to the applicable Ratepayer.

(2) **Calculation of the Period Transition Charge** – Not later than one month prior to the first day of a Reference Period, [IESO][6] or if applicable the [Alternative Collection Agent][7] shall calculate the Period Transition Charge applicable to the Reference Period.

(3) **Calculation and Attribution of Transition Charges** – Not later than 25 days prior to the first day of a Reference Period, [IESO] or if applicable the [Alternative Collection Agent] shall apply the Attribution Methodology to determine the Transition Charges to be attributed to the Ratepayers of the applicable Ratepayer Group.

(4) **Notice of Transition Charges** – Not later than 20 days prior to the first day of a Reference Period, [IESO] or if applicable the [Alternative Collection Agent] shall inform each Electricity Distributor and if applicable any Alternative Invoicing Agent of the Transition Charges to be specified in the Electricity Invoices to be issued to each Ratepayer of the applicable Ratepayer Group who has a billing address in the Electricity Distributor's Service Area.

(5) **Adjustments** – The amount of any Transition Charge attributed to a Ratepayer by [IESO] and specified as such in an Electricity Invoice shall be determinative of the

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[6] IESO's role will need to be discussed. Not sure if this mechanism is an IESO role or perhaps it's an OEB role. That will need to be discussed with the stakeholders. Currently, the rates for this class of customer are established by the OEB every six months having regard to the projections etc., of GA, and any variances from the prior period. This might end up fitting into that regime (although presumably we wouldn't want it to be built into the rate like GA is today-ie., it would be a separate line item). This section will also need to catch "bypass" customers.

[7] Should this be a designated government official, rather than an agent appointed by investors?

amount of indebtedness created thereby and owing in respect of such Transition Charge, in the absence of any manifest calculation error.

(6) **Successors of Electricity Distributors** – Any successor of an Electricity Distributor shall be bound by the requirements of Article 4 and shall perform and satisfy all duties and obligations of such Electricity Distributor under Article 4 in the same manner and to the same extent as such Electricity Distributor, including the obligation under Article 4 to impose, attribute, bill and invoice the Transition Charges.

(7) **Successors of IESO** – Any successor of IESO shall be bound by the requirements of Article 4 and shall perform and satisfy all duties and obligations of IESO under Article 4 in the same manner and to the same extent as IESO, including the obligation to calculate and provide notice of Transition Charges.

(8) **Appointment of an Alternative Invoicing Agent** – If a Replacement Event occurs in respect of any Electricity Distributor, the Regulatory Asset Owner shall be permitted, by an instrument in writing, to appoint an Alternative Invoicing Agent to perform some or all of the obligations and duties required to be undertaken by such Electricity Distributor under this Article 4, as and to the extent specified in such appointment. Upon acceptance of such appointment, the Alternative Invoicing Agent shall become obligated to perform such assumed obligations in replacement of such Electricity Distributor. Any Electricity Distributor that is replaced under this Section 4(8) shall promptly transfer all rights, powers, privileges and property interests in its possession or within its control in the performance of such obligations and duties to the Alternative Invoicing Agent and shall take such further actions, including the execution of instruments, necessary to give full and final effect to such transfer and to permit the Alternative Invoicing Agent to perform such obligations and duties on behalf of the Regulatory Asset Owner.

(9) **Regulatory Asset Owner has Standing** – The Regulatory Asset Owner may bring actions against any Electricity Distributor, IESO, Alternative Invoicing Agent or any other person who may be authorized to issue Electricity Invoices to Ratepayers for a failure to impose, attribute, bill or invoice Transition Charges. Any court of the Province [and the OEB] shall have jurisdiction over any actions brought before it by a Regulatory Asset Owner in relation to any such failure.

(10) **Regulations** – Regulations may be enacted for the purpose of specifying further rights, powers, privileges, duties and obligations that shall apply to IESO, any Electricity Distributor, any Alternative Invoicing Agent or any [Alternative Collection Agent] to ensure that Transition Charges are properly attributed to Ratepayers and specified as such in Electricity Invoices.

Article 5 – Collections and Remittances

(1) **Duty to Collect as Agent** – Electricity Distributors or if applicable any Alternative Collection Agent shall, as an agent of the Regulatory Asset Owner, undertake [diligent efforts] to collect amounts owing by Ratepayers in respect of Transition Charges attributed to such Ratepayers in Electricity Invoices issued by the Electricity Distributor or if applicable such Alternative Collection Agent.

(2) **Segregation of Transition Charge Collections** – An Electricity Distributor or if applicable any Alternative Collection Agent shall [promptly] segregate Transition Charge

Collections from other payments received by it from Ratepayers and deposit such Transition Charge Collections into its Regulatory Asset Account. Prior to and following a deposit of Transition Charge Collections having been made into its Regulatory Asset Account, the Electricity Distributor or if applicable any Alternative Collection Agent shall be deemed to hold such amounts in trust for the Regulatory Asset Owner.

(3) **Electricity Distributor Remittances** – On each [applicable Remittance Date], an Electricity Distributor shall remit all Transition Charge Collections received by it from Ratepayers in respect of the related Reference Period to or to the account of IESO or if applicable the Alternative Collection Agent.

(4) **Duty to Collect Electricity Distributor Remittances** – IESO or if applicable any Alternative Collection Agent shall, as an agent of the Regulatory Asset Owner, undertake [diligent efforts] to accept and collect Electricity Distributor Remittances.

(5) **Segregation of Electricity Distributor Remittances** – IESO and if applicable the Alternative Collection Agent shall [promptly] segregate Electricity Distributor Remittances from other payments received or held by it and deposit such Electricity Distributor Remittances into its Regulatory Asset Account. Prior to and following a deposit of Electricity Distributor Remittances having been made into its Regulatory Asset Account, IESO or if applicable any Alternative Collection Agent shall be deemed to hold such amounts in trust for the Regulatory Asset Owner.

(6) **IESO Remittances** – On each [Settlement Date], IESO and if applicable the Alternative Collection Agent shall remit all amounts on deposit in its Regulatory Asset Account to or to the account of the Regulatory Asset Owner.

(7) **Successors of Electricity Distributors** – Any successor of an Electricity Distributor shall be bound by the requirements of Article 5 and shall perform and satisfy all duties and obligations of such Electricity Distributor under Article 5 in the same manner and to the same extent as such Electricity Distributor, including the obligation under Article 5 to collect Transition Charges and make remittances of Electricity Distributor Remittances.

(8) **Successors of IESO** – Any successor of IESO shall be bound by the requirements of Article 5 and shall perform and satisfy all duties and obligations of IESO under Article 5 in the same manner and to the same extent as IESO, including the obligation to collect Electricity Distributor Remittances and to remit IESO Remittances.

(9) **Owners of Distribution Assets** - If any person other than an Electricity Distributor acquires distribution system assets in the Province or invoices or collects electricity distribution rates in the Province[8], then such person shall, if requested by the Regulatory Asset Owner, be obligated to act diligently to (a) facilitate the invoicing and collect of any Transition Charges applicable to Ratepayers in its applicable service area, including all consumers connected to the electricity distribution system assets and taking electric delivery service located within such service area; (b) allocate partial payments by Ratepayers as provided in this Part; (c) terminate service to non-paying Ratepayers on

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[8] This is in anticipation of a possible future restructuring of the distribution system. Also, this would cover any OREC-eligible customer (market participant) of IESO.

the same basis as termination of service is permitted for non-payment of electricity transmission and distribution rates; (d) exercise all enforcement rights of the Regulatory Asset Owner or Pledgee for the benefit of the Regulatory Asset Owner or Pledgee; and (e) remit any Transition Charge Collections to the Regulatory Asset Owner or Pledgee, as applicable.

(10) **Regulatory Asset Owner has Standing** – The Regulatory Asset Owner and any Pledgee may bring actions against any Electricity Distributor, IESO, Alternative Invoicing Agent, any owner of electricity distribution system assets in the Province or any other person who may be authorized to collect electricity distribution and use charges from Ratepayers for a failure to collect Transition Charges, remit or collect Electricity Distributor Remittances or remit IESO Remittances under Article 5. Any court of the Province [and the OEB] shall have jurisdiction over any actions brought before it by a Regulatory Asset Owner in relation to any such failure.

(11) **Appointment of an Alternative Collection Agent** – If a Replacement Event occurs in respect of any Electricity Distributor or IESO, the Regulatory Asset Owner shall be permitted, by an instrument in writing, to appoint an Alternative Collection Agent to perform some or all of the collection, segregation and remittance obligations otherwise required to be undertaken by such Electricity Distributor or IESO, as applicable, under Article 5, as and to the extent specified in such appointment. Upon acceptance of such appointment, the Alternative Collection Agent shall become obligated to perform such assumed obligations in replacement of such Electricity Distributor or IESO, as applicable. Any Electricity Distributor or IESO, as applicable, that is replaced under this Section 5(11) shall promptly transfer all rights, powers, privileges and property interests in its possession or within its control in, to and over the Regulatory Asset, including its Regulatory Asset Account, to the Alternative Collection Agent and shall take such further actions, including the execution of instruments, necessary to give full and final effect to such transfer and to permit the Alternative Collection Agent to enforce the Regulatory Asset on behalf of the Regulatory Asset Owner.

(12) **No Set-off, etc.** - The Regulatory Asset, including rights in Transition Charges, Transition Charge Collections, and the interests of the Regulatory Asset Owner, any Absolute Assignee and any Pledgee therein, may not be setoff or reduced (including by counterclaim, surcharge or defense by any Ratepayer, any Electricity Distributor, IESO, Alternative Collection Agent or any owner of distribution system assets in the Province [or any other person or in connection with any default, bankruptcy, reorganization or other insolvency proceeding of any Electricity Distributor, IESO, Alternative Collection Agent or any owner of distribution system assets in the Province, any affiliate or successor thereof or any other entity or otherwise.]

(13) **[Sequestration** – If any Electricity Distributor, IESO, Alternative Collection Agent or any owner of distribution system assets in the Province or any other person or entity authorized to collect Transition Charges, defaults on any required remittance of Transition Charge Collections, Electricity Distribution Remittances or IESO Remittances under Article 5, any court in the Province, upon application by a Regulatory Asset Owner or Pledgee and without limiting any other remedies available to the applying party, shall order the sequestration and payment of the Transition Charge Collections, Electricity Distribution Remittances and IESO Remittances, as applicable, for the benefit of the Regulatory Asset Owner or Pledgee.] [Such order shall remain in full force and effect notwithstanding any bankruptcy, reorganization, or other insolvency proceedings with

respect to any Electricity Distributor, IESO, Alternative Collection Agent or any owner of distribution system assets in the Province or other person or entity authorized to collect Transition Charges, as applicable.]

(14) **Regulations** – Regulations may be enacted for the purpose of specifying further rights, powers, privileges, duties and obligations that shall apply to IESO, any Electricity Distributor or any Alternative Collection Agent to ensure that rights, interests, entitlements, benefits and proceeds in, to, under and from the Regulatory Asset are of fully realized by the Regulatory Asset Owner.

Article 6 – The Regulatory Asset

(1) **Composition** – The Regulatory Asset shall constitute a property right and interest of the Regulatory Asset Owner in the following:

a. the present and future obligations and indebtedness of each Ratepayer to pay Transition Charges attributed to the Ratepayer from time to time in accordance with Article 2, together with all related late payment fees or interest charges arising in respect thereof under the related Electricity Invoices;

b. the present and future obligations of each Electricity Distributor and if applicable the Alternative Invoicing Agent to impose, attribute, bill and invoice the Transition Charges in accordance with Article 4;

c. the present and future obligations of each Electricity Distributor and if applicable the Alternative Collection Agent to remit amounts received by it in respect of Transition Charges as Electricity Distributor Remittances to or to the account of IESO or if applicable the Alternative Collection Agent in accordance with Article 5, including all collections and the proceeds of any enforcement action undertaken by the Electricity Distributor or if applicable the Alternative Collection Agent to recover payment of Transition Charges in accordance with Article 4;

d. the present and future obligations of IESO and if applicable the Alternative Collection Agent to accept Electricity Distributor Remittances and to remit IESO Remittances to or to the account of the Regulatory Asset Owner, in each case in accordance with Article 5, including all collections and the proceeds of any enforcement action undertaken by it to recover payment of Electricity Distributor Remittances in accordance with Article 4;

e. all Transition Charge Collections;

f. all rights and entitlements under each Regulatory Asset Account and all amounts on deposit in any such Regulatory Asset Account;

g. all Related Rights; and

h. all proceeds of or derived from the foregoing.

The Regulatory Asset and the property rights and interests therein shall exist whether or not Transition Charges have been imposed, attributed, invoiced, accrued or collected

and notwithstanding that the imposition, attribution, invoicing and collection of Transition Charges will depend on further actions that may not have occurred.

(2) **Validity of Dispositions** – Despite any limitations or restrictions on a Disposition that may arise by contract or by operation of any applicable law of the Province [or any consent requirement applicable to a Disposition that may arise by contract or by operation of any applicable law of the Province], a Disposition by a Regulatory Asset Owner made under the Treasury Plan shall be permitted and when made shall be valid and enforceable in accordance with its terms and shall be effective to confer upon the Absolute Assignee a valid property right and interest in, to and under the Regulatory Asset (or relevant portion thereof) in accordance with the terms of such Disposition [, provided that the description of Regulatory Asset in the agreement giving effect to the Disposition expressly refers to this Part]. [Other than as required by the Treasury Plan, no consent of any person shall be required to give effect to a Disposition.] Without limiting the foregoing, any Disposition that by its terms is intended to constitute a sale or absolute transfer shall be treated for all purposes as a true sale and absolute transfer of the Regulatory Asset Owner's applicable right, title, and interest in, to and under the Regulatory Asset (or relevant portion thereof), and not merely as a Pledge thereof. A Disposition shall not be subject to recharacterization or challenge on any other basis and the validity of a Disposition shall not be affected or impaired by: (a) the commingling of Transition Charge Collections or other proceeds from Transition Charges with other amounts; (b) the retention of any interest (including any partial, residual or subordinated interest, whether direct or indirect) in the Regulatory Asset by the transferring Regulatory Asset Owner; (c) any right to repurchase the Regulatory Asset in favour of the transferring Regulatory Asset Owner; (d) any recourse that an Absolute Assignee may have against the transferring Regulatory Asset Owner; (e) any indemnification rights or obligations provided by the transferring Regulatory Asset Owner; (f) any obligation of the transferring Regulatory Asset Owner to collect and remit Transition Charge Collections on behalf of an Absolute Assignee, including but not limited to, any retention by the transferring Regulatory Asset Owner to bare legal title for the purpose of collecting Transition Charges; or (g) the ascribed or intended treatment of the Disposition by the transferring Regulatory Asset Owner or the Absolute Assignee on any different basis including for tax, financial reporting or other purposes.

(3) **Deemed Perfection and Priority of Dispositions** – At the time a Disposition is made, the absolute assignment of the property rights and interest in the Regulatory Asset subject to the Disposition shall be deemed to have been and shall be perfected, vested, valid and binding as against the transferring Regulatory Asset Owner and all other persons who have claims of any kind (whether in tort, contract or otherwise) against the transferring Regulatory Asset Owner, irrespective of whether such persons have notice of the Disposition and the property rights and interests acquired by the Absolute Assignee under such Disposition shall have priority over any liens in favour of such other persons.

(4) Validity of Pledges – Despite any limitations or restriction on a Pledge that may arise by contract or by operation of any applicable law of the Province [or any consent requirement applicable to a Pledge that may arise by contract or by operation of any applicable law of the Province], a Pledge by a Regulatory Asset Owner may be made to secure any Funding Obligation and when made shall be valid and enforceable in accordance with its terms and shall be effective to confer upon the Pledgee a valid security interest in, to and in respect of the Regulatory Asset in accordance with the

terms of the Pledge[, provided that the description of Regulatory Asset in the agreement giving effect to the Pledge expressly refers to this Part]. Other than as required by the Treasury Plan, no consent of any person shall be required to give effect to a Pledge made to secure any Funding Obligation.

(5) **Deemed Perfection and Priority of Pledges** - Any Pledge made by a Regulatory Asset Owner in respect of a Funding Obligation incurred under the Treasury Plan shall be deemed to have been and shall be perfected, valid and binding from the time when the Pledge is made and shall be valid and binding as against the Regulatory Asset Owner making the Pledge and all other persons who have claims of any kind (whether in tort, contract or otherwise) against the pledging Regulatory Asset Owner, irrespective of whether such persons have notice of the Pledge and the security interests of the Pledgee under such Pledge shall have priority over any liens in favour of such other persons. All proceeds of the Regulatory Asset that are subject to such a Pledge that are received by the Regulatory Asset Owner shall immediately be subject to the such Pledge, and such proceeds shall be perfected, without any physical delivery thereof, registration of any financing statement with respect thereto pursuant to the [PPSA] or any other further act. A Pledge shall be a continuously perfected security interest and shall have priority over any other lien, created by operation of law or otherwise, that may subsequently attach to the property rights and interests in the Regulatory Asset subject to the Pledge unless the Pledgee has otherwise agreed in writing. Any Pledgee shall have a perfected security interest in Transition Charge Collections or other related proceeds that are deposited in any Regulatory Asset Account or other account of any Electricity Distributor, IESO, Alternative Collection Agent or other person who may have commingled such Transition Charge Collections or such other proceeds with other funds. [A Pledgee shall cause a financing statement to be filed in respect of a Pledge for informational purposes only under the [PPSA].

(6) **Enforcement of Property Rights** – The rights of any Regulatory Asset Owner to collect and enforce its rights and interests in, to or in respect of the Regulatory Asset shall be exercised in the manner set forth in Article 5.

(7) **Collective Action Required** – If a Regulatory Asset Owner's right and interest in the Regulatory Asset comprises less than the entire property right and interest constituted by the Regulatory Asset, such Regulatory Asset Owner shall only enforce such right and interest on a collective [and joint] basis with each other Regulatory Asset Owner, and any agreement among all of the Regulatory Asset Owners in furtherance of such collective action shall be valid and binding on each Regulatory Asset Owner and each Absolute Assignee, Pledgee and successor of a Regulatory Asset Owner in accordance with its terms.

Article 7 – Establishment of the Fair Allocation Plan

(1) **Adoption of the Fair Allocation Plan** – The Minister of Energy may by written order designate and adopt a Fair Allocation Plan in compliance with Article 7. The Fair Allocation Plan so designated and adopted shall be the Fair Allocation Plan for all purposes of this Part, except if amended, amended and restated or terminated by a further written order issued by the Minister of Energy [in compliance with Section •].

(2) **Principles and Parameters** – A Fair Allocation Plan shall seek to allocate Unrecovered Transition Costs across present and future Ratepayer Groups on a basis that the

Minister of Energy, in its sole and absolute discretion, determines to be equitable, having regard to the following principles and parameters[9]:

1. Unrecovered Transition Costs should be allocated over a period not to exceed the later of (a) the estimated remaining useful life of the Related Generating Assets and (b) the remaining term of IESO's commitments under the Power Contracts.

2. The Fair Allocation Plan should specify the Reference Periods (e.g., 6 month periods), for the purpose of identifying applicable Ratepayer Groups and allocating among them responsibility to bear the Unrecovered Transition Costs on a relative basis over time.

3. The share of Unrecovered Transition Costs allocable to a particular Ratepayer Group in respect of a Reference Period should be proportionate to a reasonable assessment of the benefits of the Green Generation Initiative to the Ratepayer Group over such Reference Period.

4. The estimated Unrecovered Transition Costs to be allocated to a Ratepayer Group and any future Ratepayer Group at a particular time should not exceed the estimated value of the Related Generating Assets based on their remaining useful lives or terms, measured in respect of the period following such particular time.

5. No future Ratepayer Group should bear an unreasonably disproportionate share of the Unrecovered Transition Costs. Except in exceptional circumstances or in the case of any backward-looking adjustment made as contemplated in 7, below, the share of the Unrecovered Transition Costs to be allocated under a Fair Allocation Plan to any future Ratepayer Group should have regard to [Insert formula if a year-over-year maximum amount is determined to be appropriate][10].

6. A reasonable estimate of the rate of inflation should be applied to equate the relative values of the nominal amount of Unrecovered Transition Costs to be allocable to Ratepayer Groups over time.

7. Backward-looking adjustments to a Fair Allocation Plan may be made to achieve a fair distribution among Ratepayers of the benefits of the Green Generation Initiative to that Ratepayer Group over an applicable Reference Period, including to provide an abatement to one or more Ratepayer Groups to the extent that one or more earlier Ratepayer Groups are considered by the Minister of Energy to have borne an unfair share of the Unrecovered Transition Costs.

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[9] We have provided a few examples of what could be the basic principles. These will depend on market considerations, the Province's decision on the required amount of detail and the ability to sustain the legal basis for the program. These examples are not meant to suggest the appropriate balance – just illustrative to advance a discussion among the stakeholders.

[10] Consider if a quantitative limit needs to be included in the legislation.

(3) **Attribution Methodology** – The Fair Allocation Plan shall specify an objective methodology (the "Attribution Methodology") for the purposes of allocating the Period Transition Charges across all of the Ratepayers of a particular Ratepayer Group. The Attribution Methodology shall result in an attribution of such Transition Charges that are considered by the Minister of Energy to be equitable, and may have regard to such principles and parameters as may be further set forth in a Regulation. [may have regard to considerations such as their relative electricity usage rates and usage patterns; the relative geographic density of individual Ratepayer's residence *[See basis for GA allocation method for other principles]]*

(4) **[Confirmation][Review] of the Fair Allocation Plan** – [OEB?]

Article 8 – The Treasury Plan

(1) **Power to Prepare and Implement the Treasury Plan** – In compliance with a [written order][***MOE to confirm process.***] of the Minister of Energy, the Administrative Agent shall prepare and propose the adoption of a Treasury Plan. If the Administrative Agent is unwilling or unable to prepare and propose the adoption of a Treasury Plan, the Minister of Energy may by written order designate one or more other persons to prepare and implement such a Treasury Plan.

(2) **Required Terms and Conditions of the Treasury Plan** – The Treasury Plan shall establish the basis for funding decisions that have the effect of allocating the Unrecovered Transition Costs across present and future Ratepayer Groups on a basis that is consistent with the Fair Allocation Plan. The Treasury Plan shall be consistent with the principles, parameters, requirements and conditions set forth in Schedule 3 and such other conditions and requirements as may be specified in a written order of the Minister of Energy [or in accordance with the Regulation].

(3) **Power to Review and Approve the Treasury Plan** – The Minister of Energy may, by written order, designate one or more persons to review the Treasury Plan and to review and assess the consistency of the Funding Obligations incurred with such Treasury Plan, and the Minister of Energy may specify requirements in respect of such review in such written order. The Administrative Agent, or such other person(s) as may be designated by written order of the Minister of Energy made pursuant to Section 8(1), shall make any such amendments to the Treasury Plan, and submit a revised Treasury Plan to the **[OEB]** for approval within [the time period specified in such written order]/[[•] days of such written order].[***Consider periodic amendments to the Treasury Plan following an annual review; provided that amendments cannot affect the existing Funding Obligations. Consider the level of oversight the MoE/OEB will have over this process?***]

(4) **Approval of Treasury Plan –** The **[OEB]** shall have the power to and shall approve or disapprove of the Treasury Plan based solely on whether the Treasury Plan is consistent with (i) the principles, parameters, requirements and conditions set forth in Schedule 3, (ii) such other conditions and requirements as may be specified in a written order of the Minister of Energy [or in accordance with the Regulation] [and (iii) the Fair Allocation Plan]. If the **[OEB]** approves the Treasury Plan, then such Treasury Plan shall be implemented by the Administrative Agent. If the OEB disapproves of the Treasury Plan or otherwise fails to approve the Treasury Plan, then the Administrative Agent shall re-

submit the Treasury Plan with such amendments as the Administrative Agent shall consider necessary for the Treasury Plan to be approved by the OEB.

(5) **Consistency with the Fair Allocation Plan** - Funding Obligations should only be incurred if Repayments and Funding Costs would be borne by present and future Designated Ratepayers on a basis that is [generally] consistent with their respective allocations of the costs and benefits of the Green Generation Initiative contemplated in the Fair Allocation Plan. In that regard, at the time of setting the Fair Allocation Plan for any particular period, the aggregate amount payable during future Reference Periods on account of Funding Obligations incurred on or before the date on which a new Funding Obligation is incurred should not exceed the allocation of the costs and benefits of the Green Generation Initiative to the applicable Ratepayer Group contemplated in the Fair Allocation Plan. If, despite the foregoing, the Administrative Agent determines that the anticipated amount of any Repayment (together with payments of other Finance Amounts) to be made in respect of a Reference Period would materially exceed the allocation of the costs and benefits of the Green Generation Initiative to the applicable Ratepayer Group under the then current Fair Allocation Plan, the Treasury Plan shall require the Administrative Agent to make diligent efforts to determine whether a Refinancing or deferral of such Repayment may be reasonably and cost-effectively effected based on then prevailing market terms, conditions an circumstances, if such a Refinancing or deferral is determined to be available the Treasury Plan shall require the Administrative Agent to make diligent efforts to implement such Refinancing or deferral on a basis that is consistent with the Fair Allocation Plan.

(6) **Establishment of Special Purpose Entities** – If the implementation of the Treasury Plan contemplates the establishment of one or more special purpose finance entities to incur Funding Obligations under the Treasury Plan, as an Absolute Assignee and on a basis that limits the recourse for the payment of such Funding Obligations to such Absolute Assignee's interest in, to and under the Regulatory Asset, the Administrative Agent shall have regard to the characteristics specified in Schedule 4 in establishing such special purpose entity.]

(7) **Obligation to Apply IESO Remittances** – The Administrative Agent shall ensure that amounts transferred to it under Article 5, as agent for and on behalf of the Regulatory Asset Owner, or otherwise in respect of or as proceeds from the Regulatory Asset shall only be applied or used to pay Finance Amounts when they are due and payable and for no other purpose.[11]

(8) **Non-Recourse** – The Treasury Plan shall be implemented so that Funding Obligations incurred shall be without recourse to or to any assets of the Electricity Distributors, IESO, any Alternative Invoicing Agent, and Alternative Collection Agent, the Administrative Agent, the OEB, the Province or the Lieutenant Governor in Council, other than if and to the extent that such persons or entities are liable for the performance of obligations or duties arising under this Part or expressly pursuant to any Funding Obligation or obligation in relation to a Finance Amount. [All Funding Obligations shall contain a statement to the following effect: "Neither the full faith and credit nor the taxing

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[11] We need to work in the idea that there may be Finance Reserve Deposits or other amounts that remain after paying Finance Amounts. Those surplus amounts should be credited back to Ratepayers.

power of the Province of Ontario is pledged to the payment of the principal of, or interest on, this [obligation].]

(9) **Incurrences are Binding** – Despite any failure to adhere to the Treasury Plan or to comply with any requirement of this Part, all amounts payable or becoming due and payable by or on behalf of the Regulatory Asset Owner under or in connection with any obligation purporting to be a Funding Obligation, shall be deemed to be binding for the purposes of this Part, including in determining the amount of Transition Charges, despite any impairment or defect resulting from such failure.

Article 9 – Compliance Matters

(1) **Right of the [OEB] to Inspect Books and Records** - For the purpose of investigating compliance with the provisions of this Part, the [OEB] shall have the right, jurisdiction, power and authority to examine the books and records of any person who is or may become obligated or have duties that arise under this Part or any Funding Obligation.

(2) **Power to Investigate Compliance and Impose Regulatory Sanctions** - Subject to the limitations set forth regarding the irrevocability of Transition Charges and the Undertaking of the Lieutenant Governor in Council, nothing in this Part shall (a) prevent or preclude the [OEB] from investigating the compliance of any person who is or may become obligated or have duties that arise under this Part [or any Funding Obligation] with the terms and conditions of this Part and requiring compliance by such person therewith; or (b) prevent or preclude the authority or any successor regulator from imposing regulatory sanctions against any person who is or may become obligated or have duties that arise under this Part for its failure to comply with the terms and conditions of this Part.

(3) **[Other Rating Settings** – When setting other rates for or in respect of any person who is or may become obligated or have duties that arise under this Part, including any Electricity Distributor, IESO, Generator or the Administrative Agent, nothing in this Part shall prevent the [OEB] or any successor regulator from taking into account the collection by or attribution to such person of administrative or servicing fees in excess of the actual incremental costs incurred by such person of providing administrative or servicing services.]

Article 10 – Undertaking of the Lieutenant Governor in Council

(1) **No Action to limit, alter, or impair or terminate Transition Charges, the Regulatory Asset or Collections** – The Lieutenant Governor in Council may not in any way take or permit any action to reduce, impair, postpone or terminate the obligation of Ratepayers to pay Transition Charges or impair the Regulatory Asset or the collection or recovery of Transition Charge Collections, either directly or indirectly. The Lieutenant Governor in Council undertakes that the amount of Transition Charges determined hereunder shall not be subject in any way to reduction, impairment, postponement or termination as a result of any action taken or failure by the Lieutenant Governor in Council.

(2) **Undertaking and Agreement** – The Lieutenant Governor in Council undertakes to and agrees with the Regulatory Asset Owner, including any Absolute Assignee from time to time, and any Pledgee from time to time, that the Lieutenant Governor in Council will not in any way take or permit any action that limits, alters or impairs the value of the

Regulatory Asset or, except as required by the estimates and adjustments made in determining the True-up Amount, reduce, alter or impair Transition Charges that are imposed, collected and remitted for the benefit of the Regulatory Asset Owner, including any Absolute Assignee from time to time, and any Pledgee from time to time.

(3) **References to the Undertaking and Agreement** – Any non-confidential reference to the Undertaking of the Lieutenant Governor in Council, including in marketing materials and other documentation authorized for use by the Administrative in connection with any Funding Obligation, may be made provided that [*Add conditions to protect the Province*].

Article 11 – Regulations

Regulations may be made under this Part for the purposes described in Sections •,•,• and • and may be promulgated for any of the following purposes:

(a) to set standards and measures regarding the commercially reasonable expectations of the Province associated with any Regulated Asset Owner incurring Funding Obligations or becoming obligated to pay any Finance Amount, including to establish guidelines regarding all-in funding costs; permitted Additional Funding Costs; required maturities and redemption and termination rights of Funding Obligations; liquidity requirements, in each case to a Treasury Plan that is consistent in its effect with the Fair Allocation Plan;

(b) to establish and empower one or more regulated entities to undertake decision-making activities with respect to this Part;

(c) to set out reasonable expectations regarding the appointment or retention of advisors, agents, service providers, contract counterparties, including in relation to 'market terms and conditions' parameters;

(d) to provide for audit and compliance standards applicable to those persons who are or may become obligated or have duties that arise under this Part [or under any Funding Obligation];

(e) to provide for any pre-vetting and approval requirements in relation to any incurrence by the Regulatory Asset Owner of any Funding Obligation or obligation to pay any Finance Amount; and

(f) to provide for appeal and due process considerations in connection with the establishment, adoption, implementation and review of the Fair Allocation Plan or the Treasury Plan.

Article 12- Miscellaneous

(1) **Choice of law** – The law governing, as applicable, the validity, enforceability, attachment, perfection, priority and exercise of remedies with respect to the transfer of an interest or right or creation of a security interest in the Regulatory Asset, any Transition Charge or the Undertaking of the Province shall be the laws of the Province.

(2) **Conflict of law** – In the event of conflict between this Part and any other law of the Province regarding the attachment, assignment or perfection, or the effect of perfection, or priority of any Disposition or Pledge, this Part shall govern to the extent of the conflict.

(3) **No further acts or approvals required** - Notwithstanding any provisions of any law of the Province to the contrary, no approvals, notices or authorizations other than those specified in this Part shall be required with respect to the actions to be taken in compliance with this Part, including under the Treasury Plan or in relation to the establishment of the Fair Allocation Plan, and the transactions and contracts authorized in or contemplated by this Part or the Treasury Plan, including the incurrence of any Funding Obligation, any Disposition, any Pledge or in the payment and performance of any attendant or incidental contract and any related expenses incurred to facilitate the preparation and implementation of the Treasury Plan.

(4) **Effect of invalidity after the Incurrence of any Funding Obligation** - Effective on the date that a Funding Obligation is incurred under this Part, if any provision of this Part is held to be invalid or is invalidated, superseded, replaced, repealed or expires for any reason, that occurrence shall not affect any action allowed under this Part that is taken by any person who is or may become obligated or have duties that arise under this Part [or under any Funding Obligation] and any such action shall remain in full force and effect.

(5) **Severability** - If any Article, Section, paragraph or subparagraph of this Part or the application thereof to any person, circumstance or transaction is held by a court of competent jurisdiction to be unconstitutional or invalid, the unconstitutionality or invalidity shall not affect the constitutionality or validity of any other Article, Section, paragraph or subparagraph of this act or its application or validity to any person, circumstance or transaction, including the irrevocability of Transition Charges, the validity of the Regulatory Asset, the incurrence of any Funding Obligation, any Disposition, any Pledge, or the collection and recovery of Transition Charge Collections. To these ends, the Legislature hereby declares that the provisions of this Part are intended to be severable and that the Legislature would have enacted this Part even if any Article, Section, paragraph or subparagraph of this Part held to be unconstitutional or invalid had not been included in this Part.

Schedule 1

Guidelines for Estimates

[To be considered.]

Schedule 2

Requirements Applicable to Alternative Invoicing Agent/ Alternative Collection Agent

[To be considered.]

Schedule 3

Principles, Parameters, Requirements and Conditions for Establishing the Treasury Plan

The Treasury Plan shall have regard to the following principles, parameters, requirements and conditions:[***Consider others.***]

(1) the Treasury Plan shall, in respect of each Reference Period, describe the allocations of Unrecovered Transition Costs to each Reference Group as contemplated by the Fair Allocation Plan;

(2) the Administrative Agent shall make a good faith estimate of the Funding Shortfalls for each Reference Period, based on the terms of the Power Contracts and assumptions considered to be reasonable respecting forward market prices for electricity;

(3) the Administrative Agent shall describe alternative funding arrangements considered to be suitable for the purpose of funding the estimated Funding Shortfalls, including by reference to short term and/or long term Funding Obligations that could reasonably be incurred by Regulatory Asset Owner for such purpose;

(4) such Funding Obligations shall reflect quantities, maturities, payment obligations, prepayment or redemption rights and such other features so that the effect of incurring such Funding Obligations would be that the payments made thereunder in respect of each Reference Period (including the anticipated Finance Amounts becoming payable in relation to such Funding Obligations) would reasonably correspond to the allocations of Unrecovered Transition Costs to the applicable Reference Group under the Fair Allocation Plan;

(5) the Treasury Plan shall reflect the outcome of a financial model that incorporates the assumptions and requirements specified in any contemplated Funding Obligation (e.g., any limit on the maximum amount of Transition Charges attributed to a hypothetical Ratepayer relative to his or her monthly electricity bill, as prescribed by any rating agency that ascribes its credit rating to or in respect of the Funding Obligation having regard to the application of the Allocation Methodology); [***Consider what outputs from OPG will be tested by the OEB and when. The modelling in the Treasury Plan may permit the OEB to check progress against the model from time to time, which may provide a basis for the MoE/OEB to require a review/amendment to the Treasury Plan if the ongoing operation of the program results in significant deviation from the model. Consider whether this flexibility is desirable.***]

(6) the Administrative Agent, for and on behalf of each Regulatory Asset Owner, shall seek to incur Funding Obligations from time to time on the best terms available at such time for a financing transaction of the size and type contemplated, and having regarding to the following parameters:

a. whether the Regulatory Asset Owner[s] will require committed access to short term liquidity to cover estimated Funding Shortfalls prior to incurring fixed term Funding Obligations, and the amount and repayment terms of any such required liquidity; provided that any Repayment required to be made under the terms of such short-term liquidity would not obligate a Regulatory Asset Owner to repay an amount in relation to a Reference Period that would have the effect of the

Treasury Plan permitting incurrences of Funding Obligations payable in such Reference Period that would exceed the allocations of Unrecovered Transition Costs to the applicable Reference Group under the Fair Allocation Plan;

b. the basis upon which the Administrative Agent will select the term to maturity of any other Funding Obligations; provided that any Repayments required to be made under the terms of such Funding Obligations shall not obligate a Regulatory Asset Owner to repay an amount in relation to a Reference Period that would have the effect of the Treasury Plan permitting incurrences of Funding Obligations payable in such Reference Period that would exceed the allocations of Unrecovered Transition Costs to the applicable Reference Group under the Fair Allocation Plan;

c. the basis upon which the interest rates applicable to such Funding Obligations would be determined;

d. the reference capital or finance market in which such Funding Obligation would be incurred, including markets outside of Canada if considered by the Administrative Agent to be appropriate in the circumstances;

e. the currency of payments under such Funding Obligations and, if the Funding Obligations are denominated in a currency other than Canadian dollars, the basis upon which the Administrative Agent shall cause the [applicable] Regulatory Asset Owner to enter into hedging transactions to mitigate currency risk, including acceptable minimum and maximum coverage levels, having regard to the availability of related derivatives having notional amounts corresponding to the repayment and maturity profile of such Funding Obligations;

f. the basis upon which the Administrative Agent will select counterparties under any transaction to be entered into by a Regulatory Asset Owner, including any paying agent, servicer, cash manager, liquidity provider, hedge counterparty, account bank, lender, note trustee, security trustee, paying agent, registrar/transfer agent, financial services agent, arranger or manager;

g. the basis upon which the Administrative Agent will manage counterparty risk, including by providing for maximum counterparty exposure limits having regard to concentration, credit and other identified risks with respect to individual counterparties or countries;

h. the basis upon which the Administrative Agent will negotiate and settle Finance Amounts, including the amount of any Redemption Amounts, Finance Reserve Deposits and Additional Funding Charges;

(7) the basis upon which Funding Obligations may be redeemed, prepaid, repurchased or otherwise affected, having regard for the need to minimize debt service charges and other Funding Costs, and the need to maintain a stable funding platform to finance the Funding Shortfall from time to time on a basis that is consistent with the allocations of Unrecovered Transition Costs to applicable Reference Groups under the Fair Allocation Plan;

(8) the basis upon which any Repayments, Funding Costs and Redemption Amounts will be paid, including any defeasance, sinking fund or through other reserves or liquidity facilities;

(9) the basis upon which fees, charges, expenses, costs, indemnities, reimbursements and other amounts payable to or for the benefit of the Administrative Agent and other agents and service providers to the Regulatory Asset Owner[s] may be determined, allocated and paid;

(10) the timing and basis upon which Finance Reserve Deposits and Finance Reserve Withdrawals may be made;

(11) the basis upon which any obligations for any other Additional Funding Charges may be incurred and paid;

(12) the basis upon which the cash flows arising from time to time or otherwise derived from the Regulatory Asset may otherwise be applied, including in relation to any counterparty enforcement and realization scenario;

(13) the transmittal to [the IESO] of information related to the amounts to be included in the determination of the Period Transition Charge for a Reference Period;

(14) the basis upon which any Disposition may be made or effected by a Regulatory Asset Owner, including parameters for determining the purchase price for the interest in the Regulatory Asset that is the subject matter of such Disposition, and any consents and releases that may be usefully obtained in connection with such Disposition;

(15) a description of each special purchase entity that will purchase the Regulatory Asset from the IESO, including proposed capitalization, governance, and restrictions on their powers and activities having regard to the parameters in Schedule 4; and

(16) the basis on which any Pledge may be given or effected.

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Preliminary Draft for Discussion Purposes Only

Schedule 4

Creation of any Special Purpose Entity to become a Regulatory Asset Owner]

(1) Powers and Abilities:

a. No part of the revenue or assets of a Regulatory Asset Owner shall enure to the benefit or be distributable to its trustees, officers or directors, as the case may be, or any other private persons, except as may be provided for actual services rendered;

b. Each Regulatory Asset Owner shall be authorized to:

i. incur the Funding Obligations contemplated by a Treasury Plan and use the proceeds thereof to purchase or acquire, and to own, hold and use the Regulatory Asset;

ii. contract for servicing of the Restructuring Asset and any bonds contemplated by a Treasury Plan and for administrative services; and

iii. pledge the Regulatory Asset to secure the Funding Obligations incurred by the Regulatory Asset Owner;

c. So long as any Funding Obligations contemplated under a Treasury Plan are outstanding, the Regulatory Asset Owner shall not be authorized to merge or consolidate, directly or indirectly, with any person or entity;

d. the Regulatory Asset Owner shall not have the power or authority to incur or guarantee or otherwise become obligated to pay any debt or obligations other than what is contemplated under a Treasury Plan;

e. the Regulatory Asset Owner shall cause the proceeds obtained by incurring any Funding Obligation to be placed in one or more separate accounts and used only to purchase the Regulatory Asset and pay any costs as provided for in a Treasury Plan; and

f. so long as the Regulatory Asset is pledged to secure Funding Obligations, the Regulatory Asset Owner must apply revenues from the collection of Transition Charges only to repay such Funding Obligations and other costs as provided for in a Treasury Plan.

(2) Governance of Regulatory Asset Owner – The Regulatory Asset Owner shall shall be created having regard to the following principles:[***OPG to confirm if SPE will be a trust or another type of entity.***]

a. **[Number of trustees]**

b. **[Replacement of trustees; vacancies; appointment of successors]**

c. **[Removal of trustees for neglect of duty or misconduct]**

d. **[Quorum and meetings]**

e. **[Fiduciary duty]**

f. **[Isolation, separateness and other "non-consolidation" and "bankruptcy remoteness" criteria]**

g. **[Delegation of powers and duties to administrative agents]**

h. **[Delegation of powers and duties to administrative agents]**

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February 27, 2017

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BY E-MAIL & REGULAR MAIL

Mr. Patrick Monahan
Deputy Attorney General
Ministry of the Attorney General
720 Bay Street
8th Floor
Toronto, ON M7A 2S9

Dear Mr. Deputy Attorney General:

RE: Proposal to Reconfigure Global Adjustment Charges

You have asked for my opinion on the degree of constitutional risk if the government were to reconfigure the Global Adjustment Charge to residential and small business users so as to pay down the debt over 30 years instead of the current 20 year period. The 20 year period was designed to coincide with the duration of current contracts between ISEO and the relevant electrical generation companies. The 30 year period is the assumed useful life of 30 years of the relevant electricity generating equipment.

To the extent either the 1 to 20 year consumer group or the 20-30 year consumer group is subsidizing one or other, there will be a mismatch between the cost of facilities and those whom the facilities benefit, which may attract a constitutional challenge on the basis that the Global Adjustment has become a tax rather than a regulatory charge.

The degree of constitutional risk, in my opinion, is in direct proportion to the extent the government is **not** able to show a proper match between the cost of providing facilities

for electricity generation and the group of consumers who benefit year to year from electricity generated by those facilities.

The legal principles applicable to regulatory charges are quite straight-forward (although there is not much jurisprudence in the area). The hurdle for the government in any constitutional challenge will be to assemble credible expert evidence to demonstrate that (1) indeed the relevant electricity generating facilities *do* have a useful life of 30 years or more, subject to maintenance and refurbishment costs, and (2) that the allocation of the Global Adjustment aligns, to the extent practicable, with the costs and benefits of the electricity generators and avoids cross-subsidization of current consumers by future consumers.

In terms of Risk Assessment, I understand the government has not yet obtained an expert opinion from outside experts on the expected economic lifetime of the electrical generators now subject to the Global Assessment. I suspect there may be difficulty in obtaining such a comprehensive opinion from credible experts for the reasons discussed below. On that basis, I would assess the current proposal as **moderately high risk**, defined as being an outcome difficult to predict because there are good arguments on both sides, but in the end the Supreme Court of Canada would be more likely than not to find *against* constitutional validity.

If the government were able to assemble the necessary expert evidence, of course, the risk would be re-assessed at a lower level, but how much lower depends on the quality of the expert evidence and the extent to which the Global Adjustment is shifted, i.e. reduced

to current consumers at the expense of the back end (20 to 30 year) consumers, who are assumed to be still benefitting from the current generating equipment.

Overview

The Global Adjustment Charge reflects all of the fixed costs, including capital costs, of Ontario's electrical generation facilities subject to 20 year contracts[1], as well as the premium paid to renewal energy producers and the cost of conservation programs (such as subsidies to small scale manufactures to replace inefficient equipment with more efficient equipment). In 2016, the Global Adjustment Charge, allocated in different amounts to different classes of consumer, stood at $12.3 billion dollars.

Much of the Global Adjustment was necessitated by substantial capital investment promoted by the Province with financial incentives to reduce greenhouse gas emissions and decarbonize and modernize Ontario's electricity infrastructure.

The Global Adjustment paid by consumers is a regulatory charge. Residential and small business users [class B consumers] pay the Global Adjustment based on the volume of electricity they use each month. One of the requirements of a valid regulatory charge (as opposed to a tax) is that the person paying the charge either benefits from the facilities that are subject to the regulatory scheme or they create the need for (and benefit from) those facilities in the future.

---

[1] Most generators in Ontario are on 20 year contracts. Assets with longer operating lives are provided longer term contracts in recognition of their extended benefit. These longer term assets are not part of the current proposal.

The Ministry of Energy is concerned that the present allocation of the Global Adjustment over 20 years is "*front*-end loaded" in that the consumers in the initial 20 year period are paying upfront for facilities that will still be utilized to provide electricity to consumers in the 20-30 period who will, to that extent, get a free ride. There is an equal and opposite concern that by shifting costs to the 20-30 year customers, the government may in reality be disproportionality *back*-end loading the Global Adjustment with the effect that the 20-30 year users will be subsidizing the 1-20 year users.

Accordingly, the Ministry of Energy anticipates a constitutional challenge based on the shifting of a portion of the existing Global Adjustment charges from current users to the 20-30 year group.

The judges can be expected to be aware of the difficult political problem of high energy costs in Ontario, and will therefore take a careful look at the government's evidence in support of the re-allocation of the Global Adjustment.

The Elements of a Proper Regulatory Scheme

In *Westbank First Nation vs. British Columbia Hydro and Power Authority*, 1999 [3 SCR] 134 at para. 30, the Supreme Court of Canada grappled with the distinction between a tax, a user fee and a regulatory charge. This was said to depend on:

> ...whether the levy's primary purpose is, in pith and substance; (1) to tax, i.e. to raise revenue for general purposes; (2) to finance or constitute a regulatory scheme i.e. to be a regulatory charge or to be ancillary or adhesive to a regulatory scheme; or (3) to charge for services directly rendered i.e. to be a user fee

In a regulatory scheme, as stated, the regulator is expected to align costs and benefits. While this can rarely be done with precision, and the courts will defer to some extent to

the regulator's attempt to approximate a "smoothing out" of the allocation of the costs associated with the regulatory scheme, nevertheless a court would have to be satisfied that the regulator is attempting in good faith to match the cost of facilities with the class of consumers who will benefit from the generation capacity of those facilities, or whose energy needs have required their creation. As Gonthier J. stated in *Westbank* at para. 28:

> **Finally, the individual subject to the regulatory charge will usually either benefit from the regulation, or cause the need for the regulation:** *Magnet*, supra at page 459. In *Allard*, supra, the gravel trucks caused the need for the repair to the roads; in *Ontario Home Builders*, supra, the developers and the new homeowners caused the need for the new schools. In both cases, the individuals being charged also benefited from the regulation. (emphasis added)

A levy will be held to be **a regulatory charge** where there is:

(i) A complete, complex and detailed code of regulation;

(ii) A regulatory purpose which seeks to affect some behaviour;

(iii) The presence of actual or properly estimated costs of the regulation; and

(iv) A relationship between the person being regulated and the regulation, where the person being regulated either benefits from, or causes the need for, the regulation.

See: *620 Connaught Limited vs. Canada (Attorney General)*, 2008 SCC 7, 2008 1 SCR 132 While each of these four elements would have to be addressed in the evidence, the third and fourth elements can be expected to be the most contentious.

On the other hand, a levy will be held to be **a tax** if it is:

(i) Enforceable by law;

(ii) Imposed under the authority of the legislature;

(iii) Levied by a public body;

(iv) Intended for a public purpose; and

(v) Unconnected to any form of regulatory scheme.

Re: Eurig Estate, [1998] 2 SCR 565 at paras. 15 and 43. The anticipated constitutional challenge is expected to argue that the Global Adjustment imposed on the 20-30 year consumers is a direct tax beyond the legislative competence of the Province.

The Estimated Costs and Useful Life of the Generating Facilities

(i) "Smoothing" the Charges Over 30 Years

The Global Adjustment would be funded by loans. The OPG or OPG Trust would need to borrow an additional amount each year equivalent to the shortfall brought about by the reduction in the Global Adjustment charge to current consumers. If for example the OPG Trust were to borrow $2.2 billion dollars in the current year, and transfer that amount to ISEO, the need to impose a Global Adjustment for 2017 would be reduced by that amount, and the charge to the 2017 consumer would be lowered. However, the shortfall will have to be recouped from future consumers to repay the loan. In other words, the total debt shifted into the 20-30 year period would be increased by a like amount (plus accumulating interest). The court would require an explanation of how the debt is created, financed, and allocated year by year to year 30.

Of course the lower the amount of Global Adjustment allocated in the early years, the higher the borrowings that will have to be paid off in subsequent years and the greater the need to demonstrate that consumers in those later years will still benefit economically and proportionally from the current generating equipment.

In the figures I have been shown, the borrowings necessary to defray part of the Global Adjustment otherwise to be imposed on Ontario Consumers in years 1 to 20 would peak around the midpoint of the 30 year period and thereafter decline to zero.

(ii) Impact of Projections of Potential Reductions in the Cost of Generating Electricity in years 1 to 20

The Ministry of Energy has projected electricity demand over the 30 year period. It is noted that if energy demand in Ontario is not as great in year 25 as predicted, there will be fewer consumers paying higher electricity bills than anticipated. Equally, of course, there could be developments (a drop in the price of natural gas for example) that will reduce the actual cost of generating electricity (as represented in the wholesale "spot" market). Such forecasts are inevitably somewhat speculative over this period. Such speculation is **not** relevant to the Global Adjustment analysis, in my opinion, because the Global Adjustment will be paid *in addition to* the cost of generation, whether the cost of generation is eventually shown to be higher or lower than anticipated. Declining costs would not affect the Global Adjustment levy, but would bring the overall burden on the consumer in year 25 below the currently anticipated level.

(iii) Useful Life of the Assets Financed by the General Adjustment

I am asked to assume that the bulk of the electricity generating assets have a useful life well beyond 20 years, but if (as expected) there is a challenge to the provincial re-allocation of the Global Adjustment, the Province will of course have to call expert evidence on that point.

It may be a very complicated calculus to address the relative useful lifetimes of different types of electrical generators including wind, solar and biomass. There seem to be a number of question marks in this respect. Renewable energy technology is advancing rapidly. Prices of solar panels, it seems, have dropped over 20% in the last year. How much will 25 year old wind turbine technology be worth in 2040? Who can say? Developers of solar and wind power are obliged to put in place a "decommissioning" plan backed up (at least in some cases) by a performance bond. It will have to be established that the decommissioning is not triggered at the conclusion of the 20 year FIT plan (and the use of the land then restored to landowners). Much of Ontario's renewable energy facilities may have little economic value to consumers in the 20-30 year period, even though still able to produce electricity inefficiently.

If the government fails to establish that the relevant electricity generating assets will continue to perform economically over the 30 year period, thereby failing to justify the imposition of an amortization of current equipment cost over the extended 30 year period, or if the Global Adjustment Charge is in the opinion of the Court disproportionality backend loaded in light of that declining benefit to future consumers, the Global Adjustment will not qualify as a regulatory charge.

(iv) Impact of Choosing Option 1 (Residential Bills Lowered 25%), Option 2 (20%) or Option 3 (18%)

The choice of option is significant because the greater the reduction of bills to current residential consumers, the greater the debt load pushed onto future consumers, and the more the Ministry's 30 year projections will attract judicial scrutiny. I expect the

Province's expert would have to concede that projections into the 20-30 year time frame are inherently speculative (as to the useful economic life of the current renewable energy technology for example).

The constitutional issue remains the same: can it be demonstrated that the Global Adjustment will match costs and benefits as closely as is practicable, and not operate as a cross-subsidy of present consumers, who are the source of considerable political pressure. Judges do, as we know, read newspapers. The more the debt load is pushed onto future consumers based on 20-30 year projections, the bigger the challenge to the Province's experts to satisfy a court that the reduction is based on sound economics and a realistic appraisal of the future value of the current electrical generation facilities. In short, the bigger the reduction in charges to current consumers, the greater the constitutional risk, in my opinion.

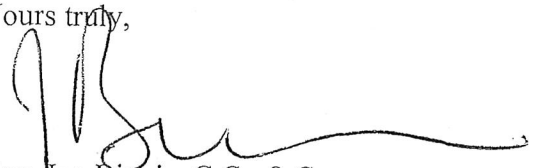
Conclusion

If it can be established that the underlying electricity generating assets have useful life-expectancies beyond the terms of their 20 year contracts, with the result that future consumers whose electricity needs require the existence of the electricity generating infrastructure put in place in the initial 1 to 20 year period, and who will benefit from the existence of that capacity, I believe a Court would, in those circumstances, conclude that the consumers in the 20 to 30 year period could constitutionally be required to share equitably and proportionately in the cost of financing the required assets.

The challenge, in my view, is not with establishing the legal principles. The problem will be to find leading experts to convincingly establish the necessary facts.

I would be glad to expand on this analysis or respond to any questions.

Yours truly,



Hon. Ian Binnie, C.C., Q.C.

IB/pc/kb

⇒ Rate Mit. March 2/2011

- 2.5 B in debt this year
- rates won't increase more than inflat. for next 4 years.
(check comms)
- expect that people see bills July 1
(maybe retro-active comput

OPG → puts press on legis.
- lot of scrutiny on legis.

- expertise re: government how gov't works

Trust or SPV
→ OPG wants authority to create whatever structure they need
→ they want HO's governance structure

- 900 GFT

OPG's Role
=> "light touch"

BLG -
- walk through proposal to team
- how we engage them?
- quest. to them today.

- Gb Sub
- Media material.
- OPG docs
(- from Ken.)

- feedback from multiple stakeholders
- how to do that?

- engage people you need to.
- reach out as needed

GGRA money flows
- interested in including

- Timeline for introd. - mid-april (?)
end-april (?)

(IPO model) - DM implementation meetings
- everyone attends -
- CE - will report on status

- Lawyers check in - advance
to ensure C is prepared

- mechanism to get feedback
on drafts
- establish structure / formality

- ESP - will get expert report
on life cycle of assets

Binnie - opinion - de-brief.

Division of Workload

OESP - }
FN. } — JR, DS.
RRRP. }

(instruct on page for Ledig. once about meeting)

GA - JR.

OEB role - threads through everything.

Tim Christie - everything else.
Scott - financing.
Hibbins - role.

Call w Martine

- why far apart on the letter - not sure many rub points on the letter.
- understand student → letter kept at high level.
- need what gave you.
- no need for OESP.

- option to trim letter & append technical deck
- if bring language up to higher level.

high
→ OEB
(understand you will need this number & we will provide it to you
- estimates of annual consumption is info that can be provided to

- we will give you this piece of information.

- letter as signal.
- all of detail elsewhere.

⇒ Send Martine
draft + info in annex to be covered.

date of transmission of letter.
↳ complete mutual understanding of content.

↳ need to make public before sending prices ~~May 1~~. (April 17th)

↳ should they do anything for May 1st?

Call in CLOL Feb 2/20[illegible]

CC - haven't shared - open to. nervous if read as is people will get excited & want to ~~[illegible]~~ say that's what we did in Nov.

- warned current opinion doesn't deal w/ implmt element.

- jumped to how w/o dealing with what.

- this is what said in full options are

- add to opinion - implementation from earlier.

Lerix - notion that process would not be targets to specific proceeds)

① active regulating
② design solution
⇒ whether this is kind of solut would/would not pass muster

- If use GGRA proceeds - pay generators
- consumers still get benefit
  - focused on ratepayers
    - fact that trying to give a rebate - isn't fatal - bc incentivizing green-energy
  - subsidy - way to reduce costs

CLOC - its the origin obligat. we are funding.
→ don't have a lot of case law.

CLOC - many targets - advice delayed

CC - proceeds to extend contract

then quest is how do we do & avoids.

MOECC - may not cover

- challenge how do we form regulatory perspective draw language.

GA - one letter is all LESO procurements

- get LESO in subformula to reflect.

Ministry of the Attorney General
Briefing Note
Civil Law Division
Crown Law Office - Civil

CONFIDENTIAL and SOLICITOR-CLIENT PRIVILEGED

Subject: ***Climate Change Mitigation and Low-carbon Economy Act, 2016*** **(CLOC File – Cap and Trade Analysis, 52632)**

Issue: **Use of Proceeds**

Background:

We have been asked to evaluate the constitutional risk associated with options for using proceeds in the Greenhouse Gas Reduction Account (the "GGRA") created under the *Climate Change Mitigation and Low-carbon Economy Act, 2016* to offset costs to electricity consumers. What follows is our advice regarding Options 1, 2 and 3 prepared by the Ministry of Energy for the use of these proceeds. Options 4 and 5 are hybrid options which consist of a combination of Options 1, 2 and 3 and therefore we have not attempted to separately consider the legal risks associated with these options.

Analysis:

In his September 2, 2015 legal opinion, Justice Ian Binnie advised that "[t]he way in which the proceeds [in the GGRA] are used is a significant component of how the entire program will be characterized" (at page 11). The argument advanced by Justice Binnie was that charges levied for the purpose of modifying behaviour could fairly be construed as regulatory fees, rather than taxes. However, he took the view that the money raised by the government through the cap and trade charges needed to be devoted to purposes that are "directly" and "obviously" connected to the regulatory objectives of the program (at page 12). He observed that: "[t]he more tenuous the linkages between the expenditure and the regulatory purpose, the greater the risk of the legislation being characterized as an unconstitutional tax" (at page 12).

The behaviour modification objective of the government's cap and trade program is the reduction of greenhouse gas. As a result, any expenditure out of the GGRA must be as "directly" and "obviously" linked as practicable to that objective in order to ensure the constitutional validity of the scheme.

Justice Binnie has specifically cautioned against the use of GGRA proceeds to subsidize rebates in the electricity sector. Discounting the price of electricity would, absent other considerations, seem to create an incentive on consumers to increase their consumption, which might be seen by a reviewing court as likely to increase, rather than reduce, greenhouse gas emissions. Any use of the GGRA proceeds that would have the effect of increasing greenhouse gas emissions, directly or indirectly, would seem to be fundamentally inconsistent with the regulatory purposes of the program. For this reason,

any use of the GGRA proceeds to offer rebates would need to incorporate features that demonstrate clear linkages to the reduction of greenhouse gas.

Option 3

The option with the lowest legal risk is Option 3.

As we understand it, the proposed rebate for commercial and industrial consumers in Option 3 is intended to incent users to shift their electricity consumption to "off-peak" hours. We understand that during off-peak hours, a higher proportion of Ontario's electricity capacity is produced by hydro and nuclear generators, which emit little or no greenhouse gases. As a result, shifting commercial and industrial consumption to this time of day would have a beneficial effect on the province's overall greenhouse gas emissions.

Assuming that there is evidence to support the beneficial effect of shifting consumption to off-peak hours, we are of the opinion that Option 3 would be consistent with the advice in Justice Binnie's opinion. This proposal seems to us to reflect a legitimate attempt to reduce greenhouse gas emissions, rather than a colourable attempt to subsidize electricity consumption. As a result, there would seem to be only a low legal risk associated with this option.

Option 2

The option with the highest legal risk is Option 2.

As we understand it, the proposed rebate consists of reducing the price of electricity (or providing direct rate relief) for industrial and commercial consumers at all hours of the day, irrespective of the makeup of Ontario's electricity generation at various times.

In our view, this option is likely to be seen by a reviewing court as a rebate or subsidy whose sole purpose is to reduce the price of electricity. Reducing the price of electricity may have the effect of increasing demand for electricity such that more electricity is consumed. In the absence of any evidence that increased electricity consumption will reduce greenhouse gas emissions, we are unable to conclude that this option will be viewed by a reviewing court as a legitimate use of GGRA proceeds which furthers the regulatory purpose of changing behaviour. In our view, there is likely a high legal risk associated with this option.

Option 1

It is difficult to quantify the precise legal risk associated with Option 1 on the basis of the information provided in the deck outlining the options.

Like Option 2, Option 1 could be characterized by a reviewing court as a rebate or subsidy to defray the costs of electricity consumption. It is not entirely clear that tying the rebate to the Global Adjustment Mechanism ("GAM") would link these expenditures directly and obviously to greenhouse gas reduction initiatives. We understand that many of the costs

included in the GAM relate to longstanding hydro and nuclear generation facilities as well as natural gas plants. It is not clear to us that subsidizing the costs associated with long term generating capacity, even where that generating capacity has low or no greenhouse gas footprint (e.g. hydro and nuclear), necessarily constitutes a greenhouse gas reduction initiative. The greenhouse gas reduction benefits of historic facilities is already incorporated into Ontario's greenhouse gas footprint and subsidizing consumption could, perversely, have the effect of increasing greenhouse gas emissions going forward.

If the costs of any subsidy could be directly and obviously linked to specific greenhouse gas reduction programs, funded through the GAM, this would lower the legal risks associated with this option. However, there would need to be clear evidence to support this linkage and the ties would, in our view, need to be more than speculative.

Even if such a linkage existed, the legal risk associated with Option 1 would likely be higher than Option 3 because, from the perspective of an electricity consumer, the rebate would not incent them to reduce consumption and may dissuade them from making investments intended to reduce consumption. All of the regulatory benefit from this option would be obtained indirectly through the GAM.

CLOC FILE NAME: *Cap and Trade Analysis*

Prepared by:

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Date: November 10, 2016

Approved by:

Director:

_____
Troy Harrison, Director, Crown Law Office - Civil

ADAG:

_____
Irwin Glassberg, Assistant Deputy Attorney General (Acting)
Civil Law Division

Deputy Minister:

_____
Patrick Monahan, Deputy Attorney General

Minister:

_____
The Honourable Yasir Naqvi, Attorney General

Ministry of the Attorney General
Briefing Note
Civil Law Division
Crown Law Office – Civil

CONFIDENTIAL and SOLICITOR-CLIENT PRIVILEGED

Subject: **Electricity Price Mitigation Strategy**

Issue: **Renegotiation of FIT Contracts**

Background:

We have been asked to consider whether the costs associated with renegotiating wind and solar feed-in tariff ("FIT") and wind and solar photovoltaic ("PV") contracts that were contracted under the Green Energy Investment Agreement ("GEIA"), and which are now in commercial operation, could be paid out of the cap and trade auction proceeds. We understand the government is considering the possibility of directing the Independent Electricity System Operator (the "IESO") to enter into negotiations with FIT and the other renewable energy contract holders referred to above with a view toward obtaining a significant term extension of existing wind and solar contracts (*e.g.*, 10 years) in return for the contract holders agreeing to a lower subsidy over the near term. The intent of this effort would be to achieve an immediate electricity price reduction for the benefit of ratepayers and reduce the impact of anticipated future price increases resulting from FIT and the other renewable contract projects that have not yet achieved commercial operation. However, we understand that it would also likely result in a potentially significant increase in the overall costs associated with those contracts which are to be extended.

Opinion:

- There would be only a low legal risk if the government used cap and trade auction proceeds to defray some, or even all, of the ongoing costs associated with the *existing* FIT and GEIA contracts. The main objective of the FIT program and the GEIA was to incent the development of wind and solar electricity generation infrastructure in Ontario in order to reduce the province's dependence on carbon based electricity generation (*e.g.*, coal, natural gas). This policy objective would seem to us to fit

squarely within the regulatory purpose of the *Climate Change Mitigation and Low-carbon Economy Act, 2016* (the "CCMLcE Act").

- There would be an increased risk associated with any proposal to use cap and trade auction proceeds to defray the costs of extending the FIT and GEIA contracts merely to achieve near-term electricity rate reductions for Ontario ratepayers. A reviewing court would almost certainly regard this as an improper use of the cap and trade auction proceeds, particularly in light of the fact that rate reductions may encourage further electricity consumption and therefore could have the potential to increase GHG emissions.

- However, the practical risks associated with this option are difficult to precisely quantify on the basis of the limited information available. A reviewing court would likely show a degree of deference to the government concerning the financing of green energy infrastructure in the province, including any decision to refinance any of the FIT and GEIA contracts. For this reason, the risks would likely turn to a very large extent on the actual costs associated with the proposed contract extensions. A relatively modest increase in overall costs in order to extend the subsidy period could be seen as a legitimate effort to better match the costs of this initiative over the life of the underlying green energy assets. However, a renegotiation of the FIT and GEIA contracts that resulted in significant additional costs with no corresponding additional GHG reduction benefit would create a much higher legal risk.

Analysis:

In his September 2, 2015 legal opinion, Mr. Justice Ian Binnie advised that "[t]he way in which the proceeds [in the GGRA] are used is a significant component of how the entire program will be characterized" (at page 11). The more tenuous the linkages between the government initiatives paid out of the Greenhouse Gas Reduction Account ("GGRA") and the regulatory purpose of GHG reduction, the greater the risk that the CCMLcE Act could be characterized as involving the imposition of an unconstitutional tax.

This aspect of Justice Binnie's advice is reflected in the provisions of the CCMLcE Act. Section 71(2)2 of the Act makes it clear that cap and trade auction funds may be used only to "fund, directly or indirectly, costs relating to initiatives...that are reasonably likely to reduce, or support the reduction of, greenhouse gas".

We are of the opinion that there would be only a low legal risk if the government used cap and trade auction proceeds to defray some, or even all, of the ongoing costs associated

with the *existing* FIT and GEIA contracts. The main objective of the FIT program and the GEIA was to incent the development of wind and solar electricity generation infrastructure in Ontario in order to reduce the province's dependence on carbon based electricity generation (*e.g.*, coal, natural gas). This policy objective would seem to us to fit squarely within the regulatory purpose of the CCMLcE Act.

We recognize that all of the FIT and GEIA contracts have already been executed and, therefore, using cap and trade auction proceeds to support these projects would not result in any new or additional GHG reduction beyond what is already anticipated. You indicated that the FIT and GEIA contracted projects that would be affected by this initiative are all already fully committed, financed and completed (or very nearly completed). Consequently, the practical effect of the proposal would simply be to reduce the burden of these commitments currently borne by ratepayers.

However, we are of the view that this consideration is not a significant impediment to the use of cap and trade auction proceeds to defray the costs associated with FIT and GEIA contracts. In his September 2, 2015 legal opinion, Justice Binnie indicated that he was satisfied that the government could reasonably use cap and trade auction proceeds to defray the costs of existing GHG reduction initiatives (at page 13). He accepted that the fact that a GHG reduction program was established prior to the enactment of the CCMLcE Act does not prevent the government from using cap and trade auction proceeds to support the delivery of programs on an ongoing basis.

The complicating feature in this case arises from the fact that the government would be incurring significant new costs in order to achieve near-term electricity rate reductions for electricity ratepayers. The slide deck that you provided makes it clear that the overall costs associated with the FIT and GEIA contracts are likely to increase because "contract holders will be in a strong bargaining position (given their existing fixed-priced contracts), and will likely extract additional value from the negotiations" (slide 3). The clear purpose of the proposed contract extensions and associated additional expense is to deliver on the government's commitment to reduce electricity rates and, as far as we are aware, would not do anything to further reduce GHG emissions in Ontario. Absent credible evidence to the contrary, a reviewing court would almost certainly regard this as an improper use of the cap and trade auction proceeds, particularly in light of the fact that rate reductions may encourage further electricity consumption and therefore could have the potential to increase GHG emissions.

It is, however, difficult to precisely quantify the legal risks on the basis of the limited facts provided to us. As Justice Binnie observed in his September 2, 2015 opinion, a reviewing

court would likely be reluctant to second guess the government's assessment of the value or wisdom of a proposed investment under the cap and trade program, provided that the purpose of the investment is clearly related to the achievement of the government's goal of reducing GHG emissions (at page 12). As a result, a court would likely show a degree of deference to the government concerning the financing of green energy infrastructure in the province, including any decision to refinance any of the FIT and GEIA contracts. On the other hand, a court might be inclined to intervene in a case where it appeared that the government incurred substantial additional costs for purposes wholly unrelated to GHG reduction and sought to defray those costs out of funds deposited into the GGRA.

Thus, the legal risks would turn to a very large extent on the actual costs associated with the proposed contract extensions. A court is much more likely to defer to government officials in a case involving a relatively modest increase in the overall costs associated with the FIT and GEIA contracts. A modest increase in overall costs in order to extend the subsidy period could be seen as a legitimate effort to better match the costs of this initiative over the life of the underlying green energy assets. However, a renegotiation of the FIT and GEIA contracts that resulted in significant additional costs with no corresponding additional GHG reduction benefit would create a much higher legal risk.

The legal risks associated with a substantial cost increase could be mitigated at least to some extent if there were a reasonable possibility of some further GHG reduction benefit resulting from extending the term of the FIT and GEIA contracts. For example, if there were any reasonable expectation that extending the term of the FIT and GEIA contract might incent contract holders to make further investments to extend the operating life of their renewable energy facility, then that expectation would provide a rationale for paying the additional costs out of the GGRA. However, based on the information provided to us to date, there does not appear to be any such benefit that would be realized from an extension of the FIT and GEIA subsidy or premium period.

As a final matter, we note that the legal risk outlined above does not mean that renegotiating the current terms of the FIT and GEIA contracts means that the government could not recover any amount out of the cap and trade auction proceeds. We are of the view that it would still be appropriate for the government to make payments out of the GGRA to defray the *original* costs of the FIT and GEIA contracts. As noted above, these costs would seem to fit squarely within the regulatory purposes of the CCMLcE Act. Only those costs attributable to the term extensions would result in an increase of the level of constitutional risk.

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Ontario

MINISTRY OF
ENERGY

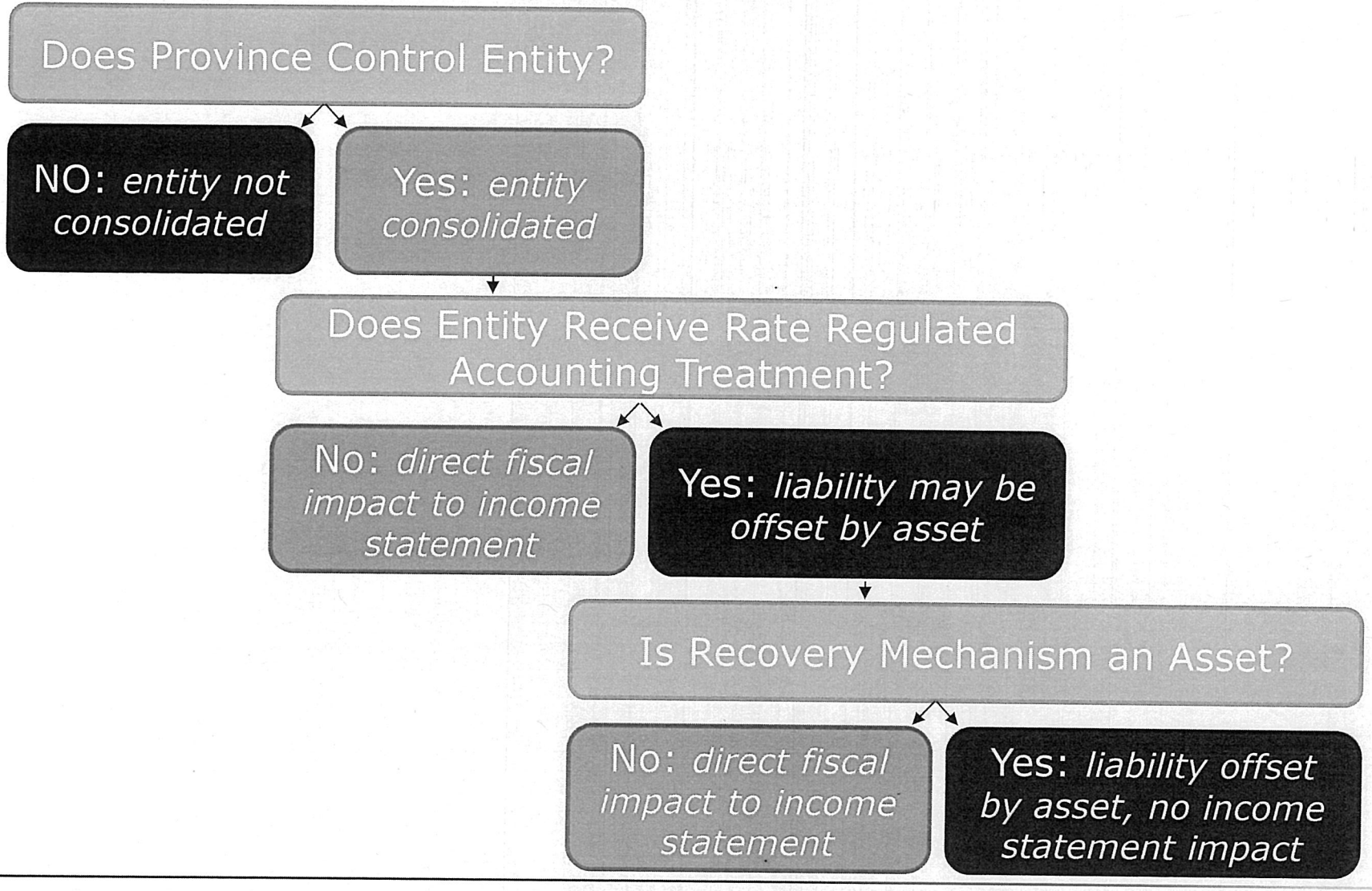
Global Adjustment Financing

Working Draft

January 2017

CONFIDENTIAL DRAFT

Accounting Treatment: Key Tests



Purpose / Challenge – Potential for Consolidation on Province's Books

- The Government wants to consider options which involve refinancing GAM. However, this would involve the borrowing of large sums by either the OFA or another special purpose entity yet to be created. Funds would then be lent to the IESO to smooth rates by using amounts borrowed to pay a portion of the GAM.

- Concern is that amounts borrowed for the purposes of refinancing GAM would be consolidated on to the Province's books.

Accounting Treatment: Does Province Control Entity?

Determining Whether Control Exists

- Requires the application of professional judgment based on the definition of control and the substance of the relationship.
- It is the preponderance of evidence that would be considered in assessing whether a government controls an organization.

Indicators of Control

- There are certain indicators that provide more persuasive evidence of control:
  - Government has the power to unilaterally appoint or remove a majority of the members of the governing body of the organization;
  - Government has ongoing access to the assets of the organization, has the ability to direct the ongoing use of those assets, or has ongoing responsibility for losses;
  - Government holds the majority of the voting shares or a "golden share" 1(1) that confers the power to govern the financial and operating policies of the organization; and
  - Government has the unilateral power to dissolve the organization and thereby access its assets and become responsible for its obligations.
- Other indicators that may provide evidence of control exist when the government has the power to:
  - Provide significant input into the appointment of members of the governing body of the organization;
  - Appoint or remove the CEO or other key personnel;
  - Establish or amend the mission or mandate of the organization.
  - Windup the organization.

Accounting Treatment: Is the Entity Rate Regulated?

Determining Whether Rate Regulated Accounting Treatment is Applicable

- **TBD**

Accounting Treatment: Is the Recovery Mechanism an Asset?

In order to establish an asset, for accounting purposes

- Need to demonstrate that future cash flow / value can be derived
- Financing costs can be recoverable
- The counterparty has the willingness and ability to pay
- **ETC TBD**
- **Legislative and regulatory framework can impact analysis:**
  - Robust cost-recovery scheme can be established that creates mandatory payment obligations ixed on consumers:
  - Amendments could be interwoven with consumers GAM-related obligations, but would require legislative and regulatory amendments.

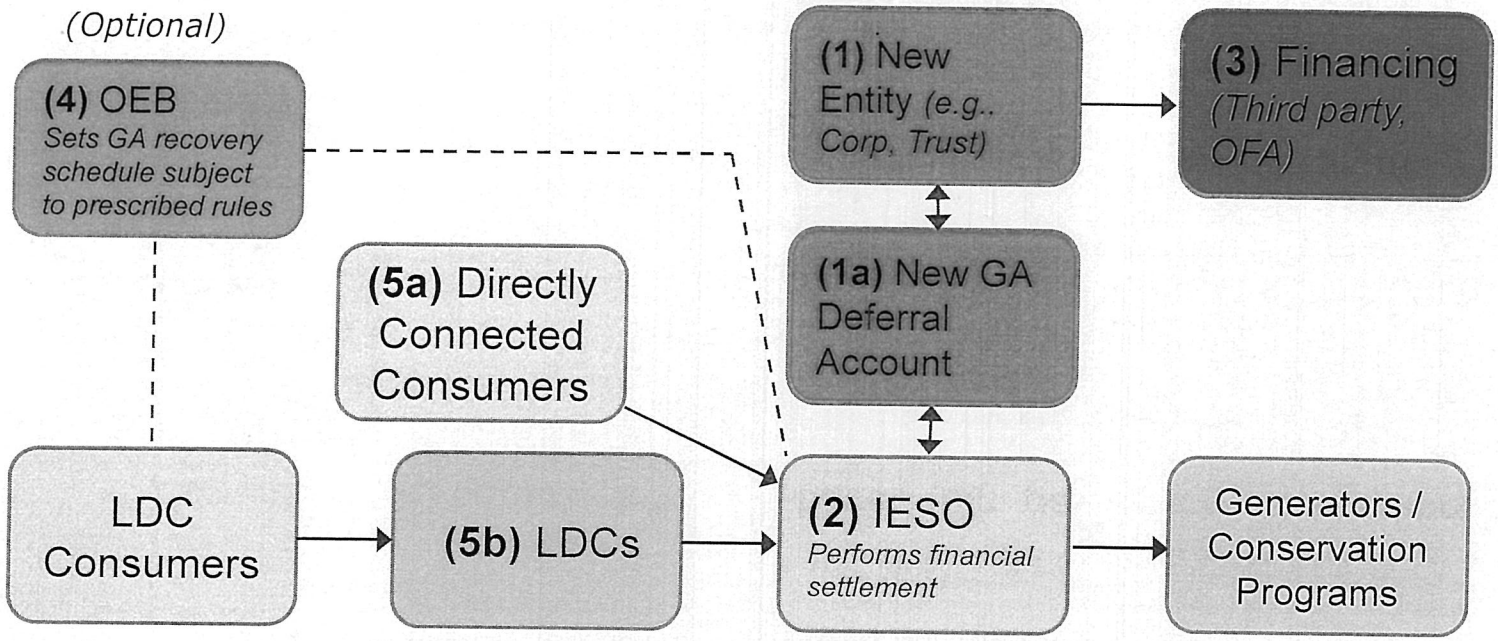
Accounting Treatment: IESO and the Province

- In addition to considering accounting treatment for the entity, also need to consider impacts to IESO and consolidation to the Province's financials
- **IESO Considerations**
  - Will funds flow through IESO and if so, will IESO record on its financials?
    - Currently IESO separates market-based (e.g. generation) transactions from its operations-related transactions.
    - IESO's operations-based activities ("books") are consolidated with the Province's.
  - Does IESO and the recovery mechanism constitute and asset, per the tests described on prior slides?
  - If these tests are not met, are there alternative mechanisms to flow funds that do not involve the IESO?

- **Provincial Consolidation Considerations**
  - Ongoing analysis on whether such changes to the financing of the GA would affect the Province's current accounting treatment for the GA and represent a potential fiscal risk (i.e., consolidation).
  - The significant amount of additional Provincial borrowing needed to finance the GA, and associated risks (e.g., interest rates, repayment timelines), could put pressure on the Province's credit rating and overall borrowing capacity.
  - The Auditor General (AG) may comment on the appropriateness of financing the

GA Financing – Implementation Approach

- The diagram outlines a implementation approach that includes a new entity.



Corporate Structure: Overview

- The following three structures are under consideration
- Regardless of the preferred model, control and flexibility will depend on the legislative and governance framework associated with the specific entity

Trust

Non-Share Capital Corporation

Business Corporation

Entity could be established in legislation as:
-Non-share capital corporation;
- Separate Board of Directors
- Relationship ("non-Agency") to province could be stipulated at law.
- Objects ("administering regulatory assets" re. electricity price mitigation") of corporation could provide overall guidance
-Business corporation:
-separate board of directors
-Relationship ("non-Agency") to Province ~~Could be stipulated.~~

Trust – TBD: *-no wind-up provision(s)*

Corporate Structure: Trust

A trust is managed by trustees for beneficiaries, who in this case would be the debt holders

A trust is not a legal entity in its own right and can only act through its trustees.

A trust could be established by statute, a trust indenture or a combination of both instruments

To meet the control test, the Province would not be able to preserve any ability to alter the trust after the Province settles the property of the trust (the debt) with the trustees

While the Province would appoint the first trustees, the trust structure would have to include mechanisms for subsequent appointments. Ongoing governance would be entirely within the purview of the trustees

Corporate Structure: Non-Share Capital Corporation

Managed by a board of directors to achieve the objects of the corporation. -Non-agency relationship to be stipulated.

Could be created by statute and corporate documents and objects and powers would be set out therein.

Board of directors is accountable to members, who may be the board. Whether OEB would license or supervise activity is an important issue. Province could have no authority to direct OEB regarding the corporation and could not direct the corporation itself. ***[confirm: goes to control]***

To meet the control test, the Province would choose the first board members but then would not have ongoing involvement in the selection of the board or key personnel. The Province could have no right to approve the entity's business plan, budget or financing. Mechanisms would have to be created to prevent the Province from winding up the corporation through legislation or otherwise. *[ntd-jpr: Not possible to bind future Government so uncertain how legislation could successfully defend against wind-up.]*

Corporate Structure: Business Corporation

Similar to non-share corporations. Must determine who (what entity) is appropriate shareholder ?

Board of Directors is accountable to shareholders.

Could be created by statute and corporate documents and objects and powers would be set out therein.

To meet the control test, the Province would choose the first board members but then would not have ongoing involvement in the selection of the board or key personnel. The Province could not have a majority of shares. The Province could have no right to approve the entity's business plan, budget or financing. Mechanisms would have to be created to prevent the Province from winding up the corporation through legislation or otherwise. *[ntd-jpr: Not possible to bind future Government so uncertain how legislation could successfully defend against wind-up.]*

Corporate Structure: Summary

- [eventually want something high level that allows for comparison across options]

	1. Trust	2. NSCC	3. Business Corporation
Mandate & Flexibility to Amend	• xx	• xx	
Appointment of Directors	• xx	• xx	
Contracts & Obligations	• xx	• xx	
Other Considerations	• xx	• xx	

Issues for Future Consideration

- Other issues to consider in the coming days / weeks (see appendix for details):
  - Mandate of the entity
  - Recovery Mechanism
  - Financing
  - Interaction with other entities in the sector (IESO/OEB/LDCs)
  - Legislative framework

Test Case: Non-Share Capital Corporation

- [suggest we build out a live example and apply accounting tests to it]
- *NTD: Consider using the IESO as a model and then show how this would be different*

Timing/Expectations

Hypothesis Development/ Due Diligence
(Late Jan 2017)

- Develop strategic options
- Conduct preliminary analysis and assessment(fiscal/ accounting/govern ance)

Internal Market Sounding
(Early Feb 2017)

- Canvas players on options for initial thoughts/insight
- Further due diligence

Due Diligence / Communications / Dev. Legislation
(Feb 2017)

- Conduct analysis to understand financial impact
- Understand governance structures and public interest protections
- Fiscal/cash implications
- Ratepayer impacts
- Develop communications strategy
- Develop legislative framework / begin drafting

Announcement
(February 16, 2017)

- Announcement of high level rate mitigation plan

Legal/Governa nce Analysis
(Feb/March)

- Understand legal and regulatory implications
- Evaluate changes required to facilitate
- Draft legislative/regulatory changes

Legislative Changes
(Spring 2017)

- Introduce enabling legislation/ regulations

Governance Set-Up
(May/June)

- Creation of new entity
- Filing documents
- Recruit Directors

Administrative/Oper ational Changes
(June)

- Fund flow mechanisms in place
- Management functions in place

Rate Reductions
(Summer 2017)

- Rate reduction kicks in

☐ A. Planning ☐ B. Preparation ☐ C. Implementation

Timing/Expectations: Next Two Weeks

- More detailed workplan showing what we can do between now and February 16th

Appendix

Legislative Framework

- Legislation would be required to authorize the financing proposal.
  - Amendments to the *Electricity Act, 1998* (EA) could authorize the financing of certain costs within or part of the GA. However, whether any other legislation requires amendment is not known at this time.
  - The GA regime currently provides that "true costs" represent the true costs of making payments to generators or counter parties to contracts, not the incurring of discretionary financing or interest costs or the administrative costs of a new entity.
  - *[ntd-jpr: Question: Do we want to flag that LSB is currently seeking CLOC advice relating to FIT and GEIA contract cost deferrals and CLB advice relating to GAM refinancing?]*

Mandate

- Consider benefits and drawbacks of various mandates

- **Narrow Mandate**: To finance and recover a specific amount of the GA over a specified period of time

- **Broad Mandate**: To better implement and recover the Global Adjustment
  - Consider inter-generational equity
  - Ability to shift financing and recovery in order to protect and benefit ratepayers
  - Potential to directly subsidize and collect from IESO market participants (LDCs and directly connected customers)
  - Less certainty with meeting rate reduction targets as well as mechanism and rate of recovery, but more likely to meet accounting thresholds
  - Supervision: would the entity be OEB-licensed and/or supervised?

Recovery Mechanism

- Exploring different recovery / administrative options
  - Separate charge on the bill (Stand-alone charge for entity-related costs – similar to how DRC appeared)
  - Included as part of OEB's RRP (requiring amendments to OEBA)
  - Tax Rebate (OCEB) – amendments to ORECA or stand-alone legislation.
    - Note: A regulatory charge must be ancillary to a regulatory scheme and meet indicia outlined by the Supreme Court of Canada [legal advice pending]

Financing Mechanism

- Regardless of corporate structure, the entity would require the financial and operating authority to carry out its mandate
- Type of financing
  - Debt/Equity
- Financier
  - (OFA , IO, Third Party, Hybrid Approach)
  - Historically electricity sector financing has been conducted by the Ontario Financing Authority (i.e., managing OEFC's stranded debt and borrowing on behalf of IESO)
  - Private debt will cost more than public debt
  - Lenders would require certainty of payment (e.g. through legislation) absent assets to secure the debt. Direct consultations with third party financiers would be recommended to explore (and begin determining) current market conditions (and costs) associated with the proposal.

Interaction with Sector

- What is the interaction with other entities in the sector:
  - IESO/OEB/LDCs
    - Oversight
    - Flow Funds (either through IESO or direct interaction with LDCs and large consumers)

- Licensing (OEB licenses entities which have an impact on or interact materially with costs underlying consumers' rates).
- The OEB could provide oversight over the entity's administrative costs through regulatory processes
- The entity would transact with the IESO, which would receive funds from the entity to pay the GA and pay funds to the entity to repay the debt and interest

Accounting Case Studies: IESO and Conservation

- EY analyzed whether CDM costs under an amortized scenario could still be considered an asset. In this regard, EY notes that *" In evaluating the costs incurred by the IESO to reimburse the LDCs, an argument could be made to support the recognition of the costs as an asset as the costs meets the three essential characteristics prescribed by PS 100".* The three characteristics include:
  - Future economic benefit- IESO expect to generate future economic benefit from the reimbursement of amortized CDM costs, i.e. IESO has the ability under the current regulatory framework to recover reasonable costs through GAM.
  - IESO controls access to the recovered funds.
  - Transaction or event giving rise to IESO's control has already occurred- i.e, the CDM costs being amortized have been incurred

Structures Case Studies: WSIB (not recommended)

- TBS
- *WSIB is a statutory corporate body that holds money in trust for workers, but is not a trust. The Workplace Safety Insurance Act requires the Board to maintain an insurance fund. The Board receives money from employers and pays money out to injured workers, in accordance with the scheme set out in the Act. Use this model if it's helpful, but it seems to me that there is a tremendous amount of misunderstanding about it.*

Structures Case Studies: ISO-NE (NSCC)

- TBS

Structures Case Studies: GTAA (NSCC)

- TBS

Structures Case Studies: Aggregate Resources (Trust)

- Aggregate Resources Trust is a potential example because it is administered outside government – tbc

Structures Case Studies: TBD (Business Corporation)

- TBS

feb 3/2017

Ontario

MINISTRY OF
ENERGY

Rate Mitigation Plan – GA Smoothing Options

Working Draft

February 2017

CONFIDENTIAL DRAFT

1a. Residential Bills Lowered 25% (with Tax-Base Funded 8% Rebate and Social Programs)

- Total bill below is based on a revised IESO forecast. See footnotes for more information.

Residential ($/month)	Actual 2016	2017	2018	2019	2020
Total Bill (includes HST)	**163**	**172**	**175**	**178**	**189**
Total Bill (excludes HST)	145	153	155	158	168
Impact of GA Smoothing		-27	-25	-22	-25
Impact of Tax-Basing Social Programs		-2	-2	-2	-3
Subtotal		123	128	133	140
8% rebate		-10	-10	-11	-11
HST		16	17	17	18
Revised Bill (includes HST)	**163**	**129**	**134**	**139**	**147**
Change from Forecast		**-25%**	**-23%**	**-22%**	**-22%**

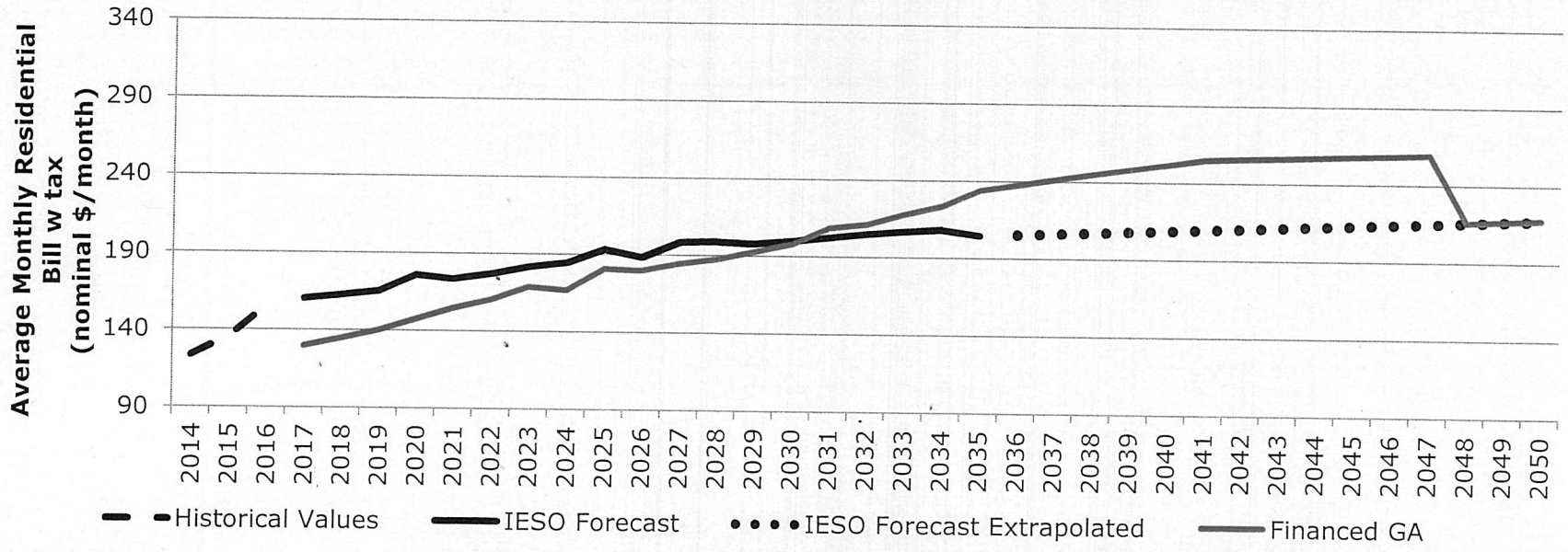
Add monthly bill reduction. 172 - 129 = $49 reduction.

Average Class A Consumer ($/MWh)	Actual 2016	2017	2018	2019	2020
Total (excludes HST)	**90**	**91**	**93**	**88**	**95**
Impact of GA Smoothing		-22	-20	-19	-21
Impact of Tax-Basing Social Programs		-3	-3	-3	-3
Revised Total (excludes HST)	**90**	**65**	**69**	**66**	**71**
Change from Forecast		**-28%**	**-26%**	**-25%**	**-25%**

Fiscal Impact ($M)	17-18	18-19	19-20	20-21
Tax-Basing Social Programs	362	409	450	485

Notes: Based on IESO's revised OPO forecast as of December 2016. Includes the cancellation of LRP II and EFW, expansion of ICI. Does not include smoothed OPG rates. Above residential bill is based on a 750 kWh per month Toronto Hydro customer. "Social programs" refers to existing RRRP and OESP. While initiatives would take several months to implement, the above estimate for 2017 reflects a full-year impact. The 8% rebate above represents savings compared to status quo due to the reduction in the sub-total from GA financing.

1a. Residential Bills Lowered 25% – Impact of GA Smoothing



	2017	2018	2019	2020	2021	2022	2023	2024	2025	2026	2027	2028	2029	2030	2031	2032	2033	2034	2035	2036	2037	2038	2039	2040	2041	2042	2043	2044	2045	2046	2047	2048
Average Monthly Residential Bill Impact pre-tax *($/month)*	-27	-25	-22	-25	-17	-15	-11	-16	-11	-8	-12	-10	-4	-2	5	6	10	14	26	28	31	33	35	38	40	40	40	40	39	39	39	0
Total Accumulated Debt *($ billion)*	5	9	14	19	23	27	30	34	38	41	46	50	53	56	58	60	61	62	60	58	55	52	48	43	38	33	27	20	14	7	0	0
Total Change in Accumulated Debt *($ billion)*	5	5	4	5	4	4	3	4	4	3	4	4	3	3	2	2	1	1	-2	-2	-3	-3	-4	-5	-5	-6	-6	-6	-6	-7	-7	0

Notes: Assumes 30 year financing period and a nominal interest rate of 5.12% per year (compounded annually). Ratepayer GA payments increase annually beyond 2017 at inflation with GA over-payments capped at $7.5 billion above the true cost of GA in any given year.

1b. Residential Bills Lowered 25% (with Tax-Base Funded 15% Rebate)

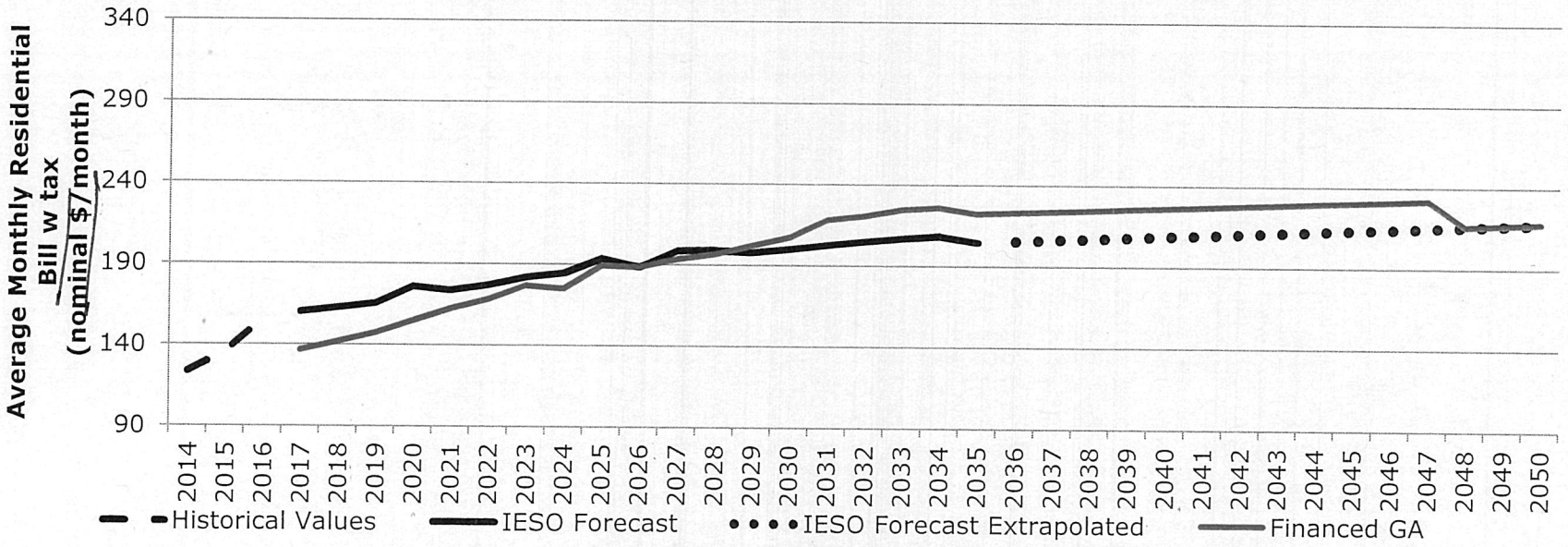
- Total bill below is based on a revised IESO forecast and is adjusted by the Ministry to reflect the proposed expansion of RRRP and OESP. See footnotes for more information.

Residential ($/month)	Actual 2016	2017	2018	2019	2020
Social Programs Expansion		0.5	0.7	0.9	1.1
Total Bill (includes HST)	**163**	**173**	**176**	**179**	**191**
Total Bill (excludes HST)	145	153	156	158	169
Impact of GA Smoothing		-21	-18	-16	-18
Subtotal		132	137	143	150
15% rebate		-20	-21	-21	-23
HST		17	18	19	20
Revised Bill (includes HST)		**130**	**135**	**140**	**147**
Change from Forecast		**-25%**	**-23%**	**-22%**	**-23%**

Average Class A Consumer ($/MWh)	Actual 2016	2017	2018	2019	2020
Social Programs Expansion		0.7	1.0	1.3	1.4
Total (excludes HST)	**90**	**92**	**94**	**89**	**96**
Impact of GA Smoothing		-17	-15	-13	-15
Revised Total (excludes HST)		**74**	**79**	**76**	**81**
Change from Forecast		**-19%**	**-16%**	**-15%**	**-16%**

Notes: Based on IESO's revised OPO forecast as of December 2016 as adjusted by the Ministry to include the cost of RRRP and OESP expansion. Includes the cancellation of LRP II and EFW, expansion of ICI. Does not include smoothed OPG rates. Above residential bill is based on a 750 kWh per month Toronto Hydro customer. "Social programs" refers to existing RRRP and OESP. While initiatives would take several months to implement, the above estimate for 2017 reflects a full-year impact. The 15% rebate above represents an incremental fiscal impact compared to status quo.

1b. Residential Bills Lowered 25% – Impact of GA Smoothing



	2017	2018	2019	2020	2021	2022	2023	2024	2025	2026	2027	2028	2029	2030	2031	2032	2033	2034	2035	2036	2037	2038	2039	2040	2041	2042	2043	2044	2045	2046	2047	2048
Average Monthly Residential Bill Impact pre-tax *($/month)*	-21	-18	-16	-18	-10	-8	-4	-8	-4	0	-4	-2	4	7	14	14	16	16	15	15	15	15	15	15	15	15	15	15	15	15	15	0
Total Accumulated Debt *($ billion)*	4	7	10	14	16	19	20	23	25	26	28	30	31	31	30	29	28	27	25	23	22	20	18	16	14	12	10	8	5	3	0	0
Total Change in Accumulated Debt *($ billion)*	4	3	3	4	2	2	2	3	2	1	2	2	1	0	-1	-1	-1	-1	-1	-2	-2	-2	-2	-2	-2	-2	-2	-2	-2	-3	-3	0

Notes: Assumes 30 year financing period and a nominal interest rate of 5.12% per year (compounded annually). Ratepayer GA payments increase annually beyond 2017 at inflation with a limit of $2.8 billion above the true cost of GA in any given year.

2a. Residential Bills Lowered 33% (with Tax-Base Funded 8% Rebate and Social Programs)

- Total bill below is based on a revised IESO forecast. See footnotes for more information.

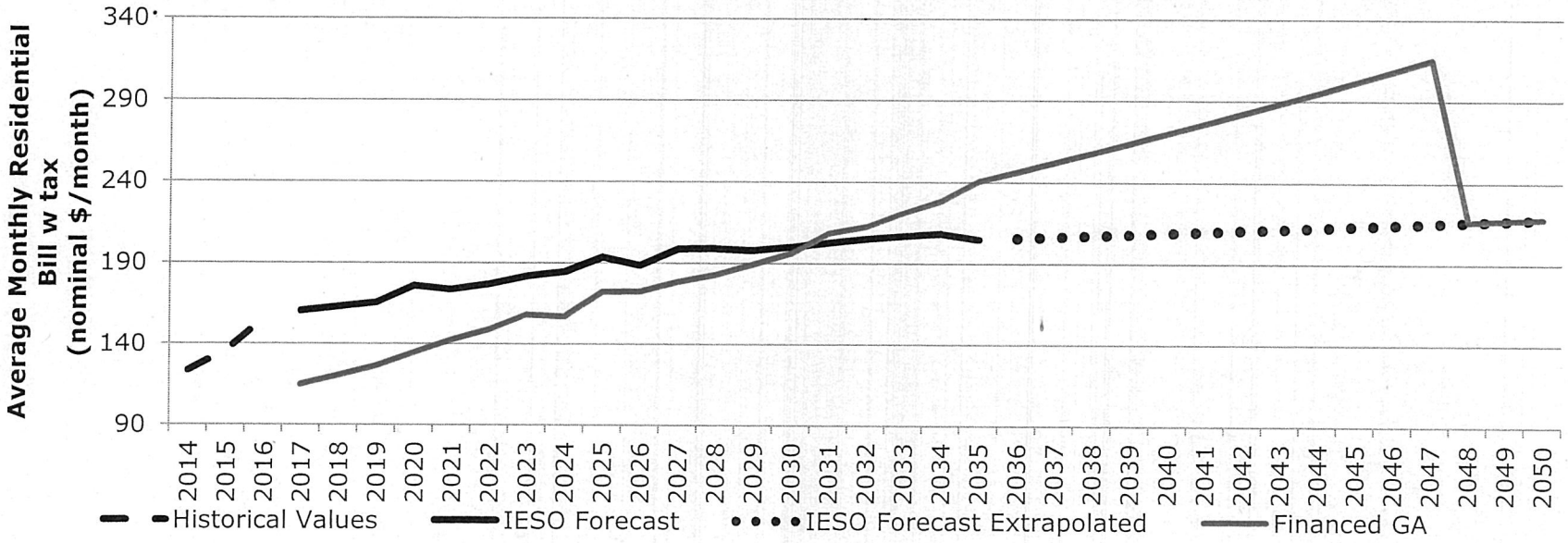
Residential ($/month)	Actual 2016	2017	2018	2019	2020
Total Bill (includes HST)	**163**	**172**	**175**	**178**	**189**
Total Bill (excludes HST)	145	153	155	158	168
Impact of GA Smoothing		-40	-37	-35	-37
Impact of Tax-Basing Social Programs		-2	-2	-2	-3
Subtotal		110	115	120	128
8% rebate		-9	-9	-10	-10
HST		14	15	16	17
Revised Bill (includes HST)		**116**	**121**	**126**	**135**
Change from Forecast		**-33%**	**-31%**	**-29%**	**-29%**

Average Class A Consumer ($/MWh)	Actual 2016	2017	2018	2019	2020
Total (excludes HST)	**90**	**91**	**93**	**88**	**95**
Impact of GA Smoothing		-33	-31	-29	-30
Impact of Tax-Basing Social Programs		-3	-3	-3	-3
Revised Total (excludes HST)	**90**	**54**	**59**	**56**	**61**
Change from Forecast		**-40%**	**-37%**	**-36%**	**-35%**

Fiscal Impact ($M)	17-18	18-19	19-20	20-21
Tax-Basing Social Programs	362	409	450	485

Notes: Based on IESO's revised OPO forecast as of December 2016. Includes the cancellation of LRP II and EFW, expansion of ICI. Does not include smoothed OPG rates. Above residential bill is based on a 750 kWh per month Toronto Hydro customer. "Social programs" refers to existing RRRP and OESP. While initiatives would take several months to implement, the above estimate for 2017 reflects a full-year impact. The 8% rebate above represents savings compared to status quo due to the reduction in the sub-total from GA financing.

2a: Residential Bills Lowered 33% – Impact of GA Smoothing



	2017	2018	2019	2020	2021	2022	2023	2024	2025	2026	2027	2028	2029	2030	2031	2032	2033	2034	2035	2036	2037	2038	2039	2040	2041	2042	2043	2044	2045	2046	2047	2048
Average Monthly Residential Bill Impact pre-tax *($/month)*	-40	-37	-35	-37	-28	-25	-21	-24	-19	-14	-18	-14	-7	-3	5	7	13	18	32	36	41	45	50	54	59	63	68	73	78	83	89	0
Total Accumulated Debt *($ billion)*	7	14	21	28	35	41	47	53	59	65	71	77	83	88	91	95	97	99	98	96	94	90	85	80	73	64	55	44	31	16	0	0
Total Change in Accumulated Debt *($ billion)*	7	7	7	8	6	6	6	7	6	6	6	6	5	5	4	3	3	2	-1	-2	-3	-4	-5	-6	-7	-8	-10	-11	-13	-14	-16	0

Notes: Assumes 30 year financing period and a nominal interest rate of 5.12% per year (compounded annually). Ratepayer GA payments increase annually beyond 2017 at 2.7 percentage points above inflation with no limit on GA over-payments.

2b. Residential Bills Lowered 33% (with Tax-Based Funded 15% Rebate)

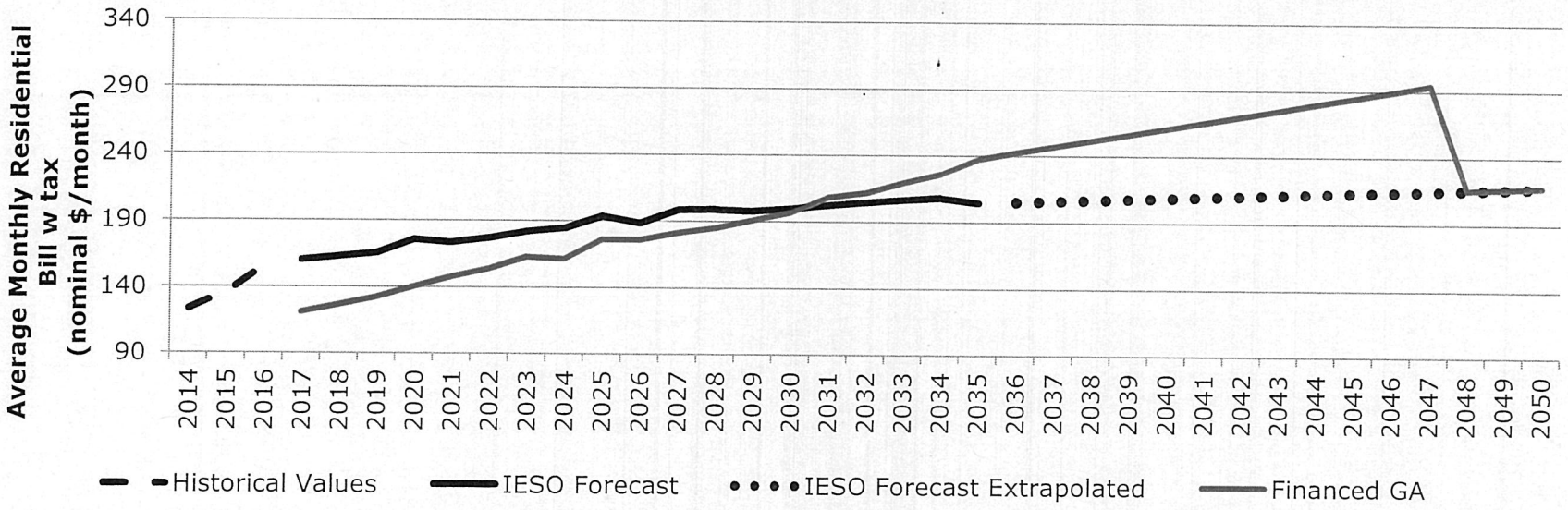
- Total bill below is based on a revised IESO forecast. See footnotes for more information.

Residential ($/month)	Actual 2016	2017	2018	2019	2020
Total Bill (includes HST)	**163**	**172**	**175**	**178**	**189**
Total Bill (excludes HST)	145	153	155	158	168
Impact of GA Smoothing		-35	-32	-29	-32
Subtotal		118	123	128	136
15% rebate		-18	-18	-19	-20
HST		15	16	17	18
Revised Bill (includes HST)		**116**	**120**	**125**	**133**
Change from Forecast		**-33%**	**-31%**	**-30%**	**-30%**

Average Class A Consumer ($/MWh)	Actual 2016	2017	2018	2019	2020
Total (excludes HST)	**90**	**91**	**93**	**88**	**95**
Impact of GA Smoothing		-29	-27	-24	-26
Revised Total (excludes HST)	**90**	**62**	**66**	**63**	**69**
Change from Forecast		**-32%**	**-29%**	**-28%**	**-28%**

Notes: Based on IESO's revised OPO forecast as of December 2016. Includes the cancellation of LRP II and EFW, expansion of ICI. Does not include smoothed OPG rates. Above residential bill is based on a 750 kWh per month Toronto Hydro customer. "Social programs" refers to existing RRRP and OESP. While initiatives would take several months to implement, the above estimate for 2017 reflects a full-year impact. The 15% rebate above represents an incremental fiscal impact compared to status quo.

2b. Residential Bills Lowered 33% – Impact of GA Smoothing



	2017	2018	2019	2020	2021	2022	2023	2024	2025	2026	2027	2028	2029	2030	2031	2032	2033	2034	2035	2036	2037	2038	2039	2040	2041	2042	2043	2044	2045	2046	2047	2048
Average Monthly Residential Bill Impact pre-tax *($/month)*	-35	-32	-29	-32	-23	-20	-17	-20	-15	-11	-15	-12	-6	-3	5	6	11	16	29	33	36	39	43	46	49	53	56	60	63	66	70	0
Total Accumulated Debt *($ billion)*	6	12	18	25	30	35	40	45	50	55	60	66	70	74	77	80	82	83	82	80	78	74	70	65	59	52	44	35	24	13	0	0
Total Change in Accumulated Debt *($ billion)*	6	6	6	7	5	5	5	6	5	5	5	5	4	4	3	3	2	1	-1	-2	-3	-3	-4	-5	-6	-7	-8	-9	-10	-12	-13	0

Notes: Assumes 30 year financing period and a nominal interest rate of 5.12% per year (compounded annually). Ratepayer GA payments increase annually beyond 2017 at 1.4 percentage points above inflation with no limit on GA over-payments.

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Ontario

Implementation of Ontario's Fair Hydro Plan

Ministry of Energy

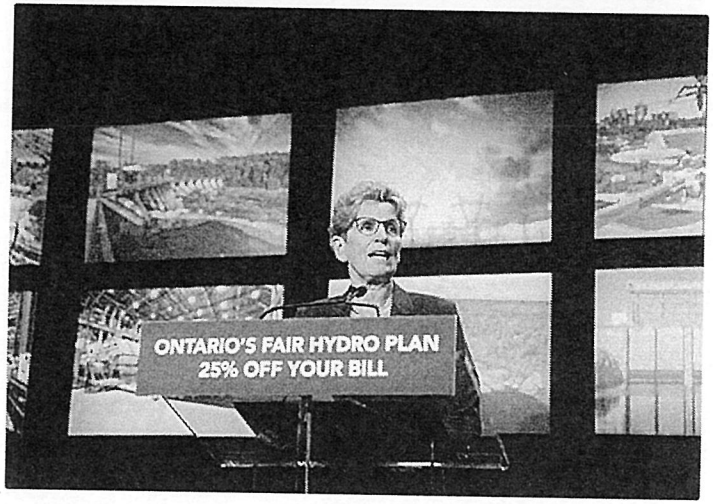
May 10, 2017

Minister	Deputy Minister

Ontario

Context

- On March 2, 2017, the government announced Ontario's Fair Hydro Plan (OFHP), which will lower bills by 25% for a typical residential consumer, starting in the summer of 2017. About half a million small businesses and farms are also expected to benefit.



- Any rate increases for residential consumers over four years would be held to the rate of inflation.

- These measures include the 8% rebate introduced in January and builds on previously announced initiatives to deliver broad-based rate relief on electricity bills.

- The OFHP is part of a significant system restructuring that will address long-standing policy challenges and ensure greater fairness.

- The legislative framework required to fully implement OFHP is set out in this presentation.

Ontario

Context

- Ontario's Fair Hydro Plan (OFHP) has the following major components:

1. Refinancing the Global Adjustment (GA);

2. Helping vulnerable electricity consumers;
   - Ontario Electricity Support Program (OESP);
   - Rural or Remote Rate Protection (RRRP) program;
   - On-Reserve First Nations Delivery Credit; and
   - Affordability Fund.

3. Extending the Industrial Conservation Initiative (ICI);

4. Improving Sector Efficiency; and

5. Modernizing Ontario's Electricity Market.

Ontario

Context – Action To Date

- Since the announcement of Ontario's Fair Hydro Plan (OFHP), a number components have been implemented.

- In April 2017, the Affordability Fund Trust was established. It is expected that electricity distributors will be able to begin applying to the Affordability Fund Trust in Summer 2017.

- In April 2017, ICI was expanded to allow eligible electricity consumers in the manufacturing and greenhouse sectors (i.e., with North American Industry Classification Standard (NAICS) codes commencing with the digits "31", "32", "33", and "1114") in Ontario with an average monthly peak demand of greater than 500 kW and less than 1 MW to opt in to ICI.

- The recovery of the Ontario Electricity Support Program (OESP) from the rate-base was removed as of May 1, 2017.

- On April 20, 2017, the Ontario Energy Board (OEB) announced new Regulated Price Plan (RPP) rates effective May 1st that include a portion of the bill reduction proposed under the OFHP (see next slide for more details). The legislation for GA refinancing requires OEB to issue a further rate adjustment no later than 15 business days after the legislation receives Royal Assent to achieve the full 25% for a typical consumer. This means new rates are expected to be effective July 1, 2017.

Ontario

New Regulated Price Plan Rates – Effective May 1, 2017

- Effective May 1, new RPP rates released by the OEB will include 50% of the estimated reduction in the Global Adjustment (GA). This reduction in RPP rates, along with the removal of the OESP charge and the existing 8% rebate, will mean that May bills will be 17% lower than they would otherwise have been for an average consumer.
  - It is standard OEB practice to include only a portion of future costs and benefits if they are not yet certain (i.e., pending legislation).

TOU Price Periods	Existing TOU Prices	Forecast TOU Prices without consideration of the proposed Fair Hydro Plan	May 1, 2017 TOU Prices including a portion of the proposed Fair Hydro Plan
Off-Peak	8.7¢/kWh	9.1¢/kWh	7.7 ¢/kWh
Mid-Peak	13.2 ¢/kWh	13.3 ¢/kWh	11.3 ¢/kWh
On-Peak	18.0 ¢/kWh	18.5 ¢/kWh	15.7 ¢/kWh

Source: OEB

Ontario

Ontario's Fair Hydro Plan – Proposed Legislation

- To implement OFHP, the Ministry has prepared the Fair Hydro Act, 2017 in close collaboration with key ministries (i.e., Treasury Board, Finance, Attorney General, Cabinet Office), agencies (i.e., OEB, IESO, OPG) and third party financial advisors and local distribution companies (LDCs).
  - The proposed Fair Hydro Act, 2017 would be an omnibus bill with 2 schedules: the Ontario Fair Hydro Plan Act, 2017 and amendments to the Ontario Energy Board Act, 1998 and Electricity Act, 1998.

- The proposed OFHP legislation, supporting regulation and amendments to existing legislation (e.g., *Electricity Act* and *Ontario Energy Board Act*) will enable implementation of the following key components of the Plan:

  1. Refinancing the Global Adjustment (GA) – The proposed legislation outlines how costs would be fairly allocated among eligible consumers over time.

  2. Helping Vulnerable Electricity Consumers – The proposed legislation broadens the Rural or Remote Rate Program (RRRP), expands the Ontario Electricity Support Program (OESP) and establishes a new On-Reserve First Nations Delivery Credit. The legislation also allows for these programs to be funded through the tax-base.

- This presentation provides an overview of these key components of OFHP legislation.

Ontario

Ontario's Fair Hydro Plan – Critical Path

Week of May 8, 2017

- May 9 – TB/MBC Report Back
- May 10 – LRC/Cabinet
- May 11 – Introduce Legislation

Week of May 15, 2017

- May 15 – Regulatory Posting
- May 15 to18 – House Debate

Week of May 22, 2017

- May 24 – Committee Review – Public Hearings

Week of May 29, 2017

- May 29 – Committee Review – Clause by Clause
- TBD – Passage of the Legislation/Royal Assent

June 2017

- TBD – LRC for Regulations
- TBD – New OEB/RPP Rate and Issue Orders to LDCs on RRRP Charge/Benefit

July 2017

- July 1 – New RPP rates, RRRP Charge/ Benefit and FN Delivery Credit in Effect

Ontario

1) Refinancing the Global Adjustment

Ontario

GA Refinancing – Overview of Proposed Legislation

- The Fair Hydro Act, 2017 attempts to balance several key factors including financeability, accounting requirements and legal considerations.

- Following an extensive consultation process with internal and external experts, the proposed legislation strikes a balance between these three factors by:

  – Supporting financeability through a number of features, including enabling a provincial guarantee and provisions intended to provide certainty to investors in order to reduce borrowing costs and attract a wide investor base;

  – Addressing the necessary accounting requirements through mechanisms to record funding, interest and the transfer of regulatory assets to avoid a fiscal impact to the province; and

  – Mitigating legal risk by developing a methodology that attempts to fairly aligns costs and benefits.

- Slides 9 to 16 detail the mechanics of the Fair Hydro Plan Act, 2017.

Ontario

GA Refinancing – Overview of Proposed Legislation

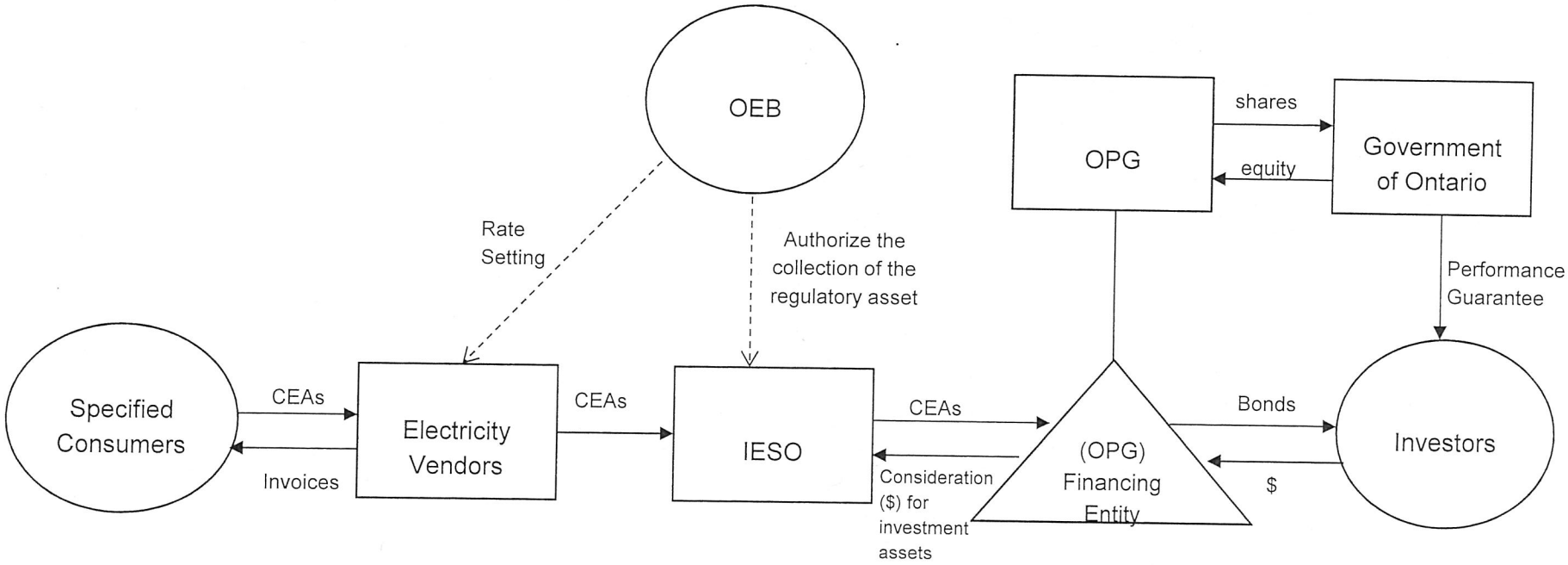
- Refinancing the Global Adjustment would be achieved through stand-alone legislation, regulations and amendments to existing legislation and regulations.

- The proposed legislation would outline:
  - Roles and responsibilities for the OEB, IESO, OPG and the Province;
  - A detailed Preamble, Purpose and Definitions;
  - Details with respect to cost allocation, rate reduction methodology, implementation and financing;
  - Scope of provincial undertaking and enabling the Province to provide guarantees and indemnities to back stop that undertaking; and
  - Amendments to other acts.

- The associated amendments to existing legislation and regulations include:
  - *Electricity Act, 1998*: amendments to provide OPG with the authority to establish a special purpose vehicle (SPV) for the investment asset and *Ontario Energy Board Act, 1998*: amendments to allow for OEB to set rates recognizing GA refinancing.

Ontario

GA Refinancing – Roles and Responsibilities



Note: CEAs are "clean energy adjustments"

Ontario

GA Refinancing – Legislative Overview

Preamble and Purpose

- The preamble of the proposed legislation establishes the rationale for the allocation of "clean energy costs" over time. That is, the development of a clean, modern and reliable electricity system has increased costs for ratepayers.

- The purpose of the proposed legislation is to support the Government of Ontario's commitment to ensure that the costs of these investments are allocated fairly among present and future generations of consumers.
  - Costs to be allocated include clean and renewable generation facilities, conservation, demand management, energy efficiency programs.

- The supporting legislation defines the mechanisms and framework that would achieve the refinancing of the Global Adjustment. Note: These mechanisms are described in the following slides.

- The legislation also restricts the OEB, Minister of Energy and the Crown from reducing, impairing or ending Clean Energy Adjustments (see slide 10) in the future:
  - The Lieutenant Governor in Council may authorize the Ministers of Finance and Energy to enter into guarantees and indemnities related to the Act.
- The proposed legislation aligns eligibility with the *Ontario Rebate for Electricity Consumers Act, 2016*.

Ontario

GA Refinancing – Legislative Overview (Cont'd)

Fair Adjustment

- Sets out the mechanism for the Ontario Energy Board (OEB) to determine the "relief", including the initial decrease in rates to achieve the 25% decrease, for the period July 1, 2017 to April 30, 2018.
  - Under the legislation, the OEB must determine the amount within 15 business days of Royal Assent.

- The Fair Adjustment also allows the Lieutenant Governor in Council (LGIC) to make regulations prescribing electricity rates for the period after May 1, 2018.

Clean Energy Adjustment

- The Clean Energy Adjustment is the mechanism to begin to recover the under-collection of GA from eligible consumers during the recovery period.
  - This is an adjustment to a consumer invoice on a monthly basis to repay principal, interest and other financing.
  - IESO and each electricity distributor will act as an agent for the financing entity to impose, invoice and collect the clean energy adjustments.

- The proposed Act outlines:
  - The process for determining the total Clean Energy Adjustment amount;
  - The obligation on individual ratepayers for the repayment of the amount; and
  - The inability to offset or bypass re-collection of the amount.

Ontario

GA Refinancing – Legislative Overview (Cont'd)

Fair Allocation Amount

- The Fair Allocation Amount is a calculation and allocation of clean energy costs and clean energy benefits over time.
  - The Minister of Energy is to calculate the Fair Allocation Amount and provide the amount to the Financial Services Manager. Subsequent calculations may be undertaken by other agents as prescribed by the Minister.

- It is expected that the calculation would lead to decreased rates in the near term with upward pressure on rates in the long term.

- Under the legislation the calculation of the Fair Allocation Amount is guided by the principles and purposes of the Act including the proportional allocation of clean energy costs and benefits.

Ontario

GA Refinancing – Legislative Overview (Cont'd)

Financial Services Manager

- The legislation appoints OPG as the Financial Services Manager.

Financing Plan

- Under the legislation, OPG, as the Financial Services Manager, is required to prepare a Financing Plan and submit it to the Minister of Energy for information purposes.

- The Financing Plan sets out the funding obligations and amounts related to the financing of the under-collected GA amounts.

- The Financing Plan shall be governed by principles, including:
  - Fair Adjustment period (July 1, 2017 to June 30, 2021);
  - Reasonable assumptions; and
  - Alignment with the Fair Allocation Amount.

Ontario

GA Refinancing – Legislative Overview (Cont'd)

- The ability to engage in the fair distribution of clean energy costs requires financing during periods where the collection of the clean energy costs is deferred to later years.

- The legislation outlines mechanisms that are required to enable the financing and meet requirements for rating agencies and investors.

Regulatory Asset

- IESO will have a funding deferral resulting from the reduction in amounts collected during the first four years.

- The legislation enables IESO to record the under-collection of GA in a variance account, and deems this under-collected amount to be a Regulatory Asset.
  - OEB would determine rates to allow IESO to recover under-collection recorded in its variance account in the event the under-collection is not sold.

- IESO is authorized to sell all or a portion to the OPG Special Purpose Vehicle (SPV)/Trust.

Ontario

GA Refinancing – Legislative Overview (Cont'd)

Investment Asset

- The sale of the regulatory asset from IESO to the OPG Special Purpose Vehicle (SPV)/Trust creates an "Investment Asset".
  - The legislation establishes property rights for the Investment Asset such as the right to collect principal and interest and financing costs in the form of the clean energy adjustment from eligible consumers.

- The Investment Asset may in turn be sold to other investors or group of investors.

Amendments to Other Acts

- The legislation includes required amendments to existing legislation such as:
  - The Electricity Act, 1998 – to expand the objects of IESO and OPG to enable them to perform their rights and obligations in the proposed Act
  - The Ontario Energy Board Act, 1998 – to address license conditions and the determination of regulated payments.

Ontario

GA Refinancing – Policy Considerations

- The proposed legislation to enable refinancing of the GA provides significant rate relief to electricity consumers that have been burdened with the costs of the necessary investments that have been made to decarbonize and modernize the province's electricity infrastructure.

- Given the long term nature of this program (i.e., approximately thirty years), the calculations related to refinancing of the GA set out in the proposed legislation will be subject to fluctuations in Ontario electricity demand, GA, and interest rates in the medium to long-term.

  – Should electricity demand be higher than forecast as a result of greater electrification, the cost of paying off the debt will be spread over a greater pool of consumption and decreasing future costs for individual ratepayers. Note: The reverse is also true in regards to decreasing demand.

  – Should interest costs increase from the assumed 5%, total borrowing costs would rise. Given that this a unique offering, managing investor confidence will be key to ensure borrowing costs don't rise.

- The Ministry has developed legislation in close collaboration with key ministries (i.e., Treasury Board, Finance, Attorney General, Cabinet Office), agencies (i.e., OEB, IESO, OPG) and third party financial advisors and local distribution companies (LDCs) to minimize risk, and to balance accounting and legal considerations and the need for financeability, where possible. Blakes has acted as the Ministry's external counsel in the development of the legislation providing expertise in securitization, constitutional law and energy law.

Ontario

GA Refinancing – Policy Considerations (cont'd)

- The legislation establishes a framework for the period after the ratepayer relief is set. By design, to achieve financing requirements there is limited control once the plan is set.

- The legislation recognizes the four-year period ending June 30, 2021, consistent with how the full reduction from OFHP are expected to be addressed through a July 1st RPP rate adjustment. Note: preliminary estimates presented in the March 1, 2017 Cabinet submission assumed calendar year 2017 to 2022.

- Bill impacts would vary between individual customers:
  - Small consumers (i.e., condo residents) will receive less than 25%;
  - Larger customers (i.e., electrically heated homes) will receive more than 25%; and
  - Lower-income Ontarians and those living in eligible rural communities would receive even greater reductions, as much as 40 to 50%.

- To support financeability, inflationary increases over the first four years would be set out in regulation rather than legislation.

Ontario

GA Refinancing – Financing Considerations

- The Ministry has worked closely with third-party financial advisors in advance of and throughout the drafting process to help to ensure that the proposed legislation enables refinancing of the GA.
  - The proposed legislation enables the province to provide assurances in the form of a "provincial guarantee" to OPG and investors regarding the permanence of the GA Refinancing framework and the authority of the legislature to pass the legislation. The intent is to ensure that the full value of any investment is recovered.
  - The legislation also enables the Province to guarantee borrowing of the trust in the event of a market disruption to mitigate OPG's financing risk. Specifics of these guarantees will be determined in agreements to be negotiated later this year.
- It is still possible that the full value of the Regulatory Asset may not be purchased.
  - In such cases, IESO may be able to retain the unsold amounts recorded in its variance account for a short period of time.
- In order to provide financing, OPG would develop a special purpose vehicle (SPV) which will use 100% debt financing to purchase the regulatory asset, financing 51% through capital markets as senior debt, with the remaining 49% being provided by OPG as subordinated debt.
  - The 49% subordinated debt from OPG will be financed through debt OPG issues in its own capacity, through capital markets (up to 5%) with the remainder (44-49%) financed through equity injections from the Province. This will help to ensure OPG's capital structure remains in line.
  - The Ministry of Energy has received an appropriation for $1.1 billion operating asset to support these injections for the fiscal year 2017/18, and will report back through PRRT for future funding. Based on the final fair allocation amount calculation, the equity injections would be required until the period of recovery begins.
  - The injections will be fiscally neutral for the province as they will be offset with the value of shares purchased from OPG.
- OPG will seek to achieve the highest possible credit rating (AAA is possible) in order to reduce borrowing costs and attract a wide investor base. Credit ratings will depend on provisions in legislation, regulation and agreements as well as the capital structure of the SPV/Trust. Despite these factors, rating agencies may see the Province's rating forming a ceiling given the contingent guarantees that the Province will provide (described above).

Ontario

GA Refinancing – Accounting Considerations

- The legislation to enable the refinancing of the GA has benefitted from the review and input of KPMG, E&Y and OPCD.
- The proposed legislation establishes mechanisms to enable the funding, sale and transfer between IESO and OPG that respond to the accounting requirements and advice outlined in the March 1, 2017 Cabinet Submission, such as concerns regarding consolidation by the Province.
- Under the proposed legislation, OEB will issue an "accounting order" to authorize IESO to create a variance account in which it will record the funding shortfall and recover the shortfall in accordance with the legislation and regulations. KPMG advises that the variance account created by the proposed legislation meets the accounting criteria for the recognition of a "regulatory asset".
- The Auditor General (AG) may chose to comment on OFHP in an annual or special report. Ministry and agency staff have provided a technical briefing to the AG and her office.
- The proposed legislation and the associated amendments to the Electricity Act, 1998, enshrine OPG's SPV/Trust as a stand-alone entity able to conduct business separately under a Trust agreement. Note: To further support the operations and mechanics of the OPG SPV/Trust, additional work will be done through the regulations and supporting agreements/documents. E&Y concurs with OPG's assessment that accounting requirements to support "consolidation" of OPG SPV / Trust with OPG Inc. can be met.
  - OPG will have the authority to set up the SPV/Trust and assign it with powers regarding decision-making, funding and ongoing operation.
  - OPG and IESO are developing a process that will allow interest payments to occur under GA Refinancing.

Ontario

GA Refinancing – Legal Considerations

- In principle, refinancing the Global Adjustment (GA) to spread the costs of generation and conservation assets over the useful life of the assets presents only a "low" risk of being an unconstitutional tax, as each cohort of consumers pays for a proportion of the GA cost roughly equal to the proportion of the benefit they receive from the useful life of the assets.

- Legal risk arises if it becomes apparent that the Government is not spreading cost so that it is shared proportionately by future consumers who cause a need for or benefit from the generation asset, but rather is doing so in order to lower the price in the "short" term by increasing the price in the long term. If the proposed financing served to encumber future consumers with a premium payment to cover the GA financing in order to subsidize current ratepayers, then there would be a moderately high constitutional risk that the financing proposal would result in an unconstitutional tax.

- Former Supreme Court Justice Ian Binnie has provided a legal opinion concluding that the current proposal is at a moderately high risk of being a tax, for the following reasons:
  - The degree of constitutional risk is in direct proportion to the extent the government is not able to show a proper match between the cost of providing facilities for electricity generation and the group of consumers who benefit year to year from electricity generated by those facilities.
  - If the government fails to establish that the relevant electricity generating assets will continue to perform economically over the 30-year period, or if the GA charge is in the opinion of the Court disproportionately backend loaded, the GA will not qualify as a regulatory charge (and would be characterized as a tax).
  - By shifting costs to the 20-30 year customers, the government may in reality be disproportionately back-end loading the GA with the effect that the 20-30 year consumers will be subsidizing the 1-20 year consumers.
  - The judges can be expected to be aware of the difficult political problem of high energy costs in in Ontario, and will take a careful look at the government's evidence in support of the re-allocation of the GA.

- The legislation contains provisions to mitigate the constitutional law risks, including requiring the Minister of Energy to reallocate estimated clean energy costs attributable to each reference period in a way that takes into account the need to align those costs with the estimated clean energy benefits attributable to the same period. Limiting the near-term rate reductions to such amounts which can be justified as counterbalancing disproportionate GA payments during the 2005-2017 period ensures that the statutory 25% reduction is consistent with proportionate reallocation.

Ontario

GA Refinancing – Legal Considerations

- The bill provides for provincial assurances, guarantees and a statutory cause of action.

- **The provincial assurance provision** is intended to mirror as closely as possible the language of a similar provision that appears in legislation in the United States that purports to limit a state legislature's ability to enact legislation that would affect the transaction.

- The main legal risk associated with the provision is that its precise legal purpose and intended effect are not clear. Under Canadian law, it is not possible for legislation to limit the future exercise of legislative power by the Legislature, including the power to amend or repeal statutory provisions or to expropriate private rights conferred under past statutes.

- In light of this limitation, the U.S. provision has been modified to focus on possible actions by the executive branch of government that might undermine the value of the proposed securities (including regulation-making), rather than seeking to constrain the Legislature's powers. However, in the absence of some future statutory amendment, it is not clear what, if any, executive action could have the effect of undermining the payment obligation that would be imposed on consumers under the Act and, therefore, it is not clear what practical risk the provision is designed to mitigate against. This uncertainty creates a risk that a reviewing court could construe the provision in unanticipated ways.

- **The guarantee provisions** are intended to backstop the provincial assurance provision and provide that:
  - the Minister of Energy and Minister of Finance may, with LGIC approval, enter into agreements regarding the performance of IESO or electricity vendors; and
  - the Minister of Energy and Minister of Finance may, pursuant to LGIC order, agree to guarantee and indemnify any debt, obligation, security or undertaking associated with an investment interest.

- Legal risk to the province will be assessed as the agreements are negotiated and drafted.

- **A statutory cause of action** may be created by LGIC regulation. Much like the provincial assurance provision, the statutory cause of action provision is intended to mirror features of US legislation. Legal risk to the province will be assessed as the regulation defining the statutory cause of action is developed.

Ontario

2) Helping Vulnerable Electricity Consumers

Ontario

Electricity Support Programs to Help the Most Vulnerable – Overview

- To provide targeted assistance to the customers and alleviate electricity cost burden, Cabinet agreed on March 1st 2017 to:
  - **Enhance Rural or Remote Rate Protection** (RRRP) by funding its costs through the tax base and providing additional support to customers of designated Hydro One rate classes and other high distribution cost Local Distribution Companies (LDCs).
  - **Enhance Ontario Electricity Support Program** (OESP) by funding its costs through the tax base and increasing eligible benefits by 50%.
  - **Implement On-Reserve First Nations Delivery Credit**, to remove Delivery charges for on-reserve First Nations customers.
- Cabinet also agreed to establish a new Affordability Fund, which would provide energy efficiency measures at no or minimal cost to those who are ineligible for low-income conservation programs, have difficulty paying their electricity bills, and who cannot make energy efficiency upgrades without financial assistance.

Ontario

Rural or Remote Rate Protection – Broadening Rate Protection

- Rural or Remote Rate Protection (RRRP) mitigates some of the high costs of electricity distribution in rural or remote areas of the Province. It is a legacy program of the old Ontario Hydro and has existed in its current form since 2001.

Shifting RRRP Costs to the Tax-base

- Section 79 of the OEB Act is amended to provide the Ministry the authority to prescribe, through regulation, classes of consumers whose cost will be transferred from the rate-base to the tax-base.
- If the proposed legislative amendments are approved, the government intends to propose regulatory amendments that would prescribe Hydro One's R2 customers as receiving RRRP from appropriated funds effective July 1, 2017. This would fulfill the government's intention to transfer the majority of the costs of administering the RRRP program to the tax-base.

Broadened Distribution Rate Protection

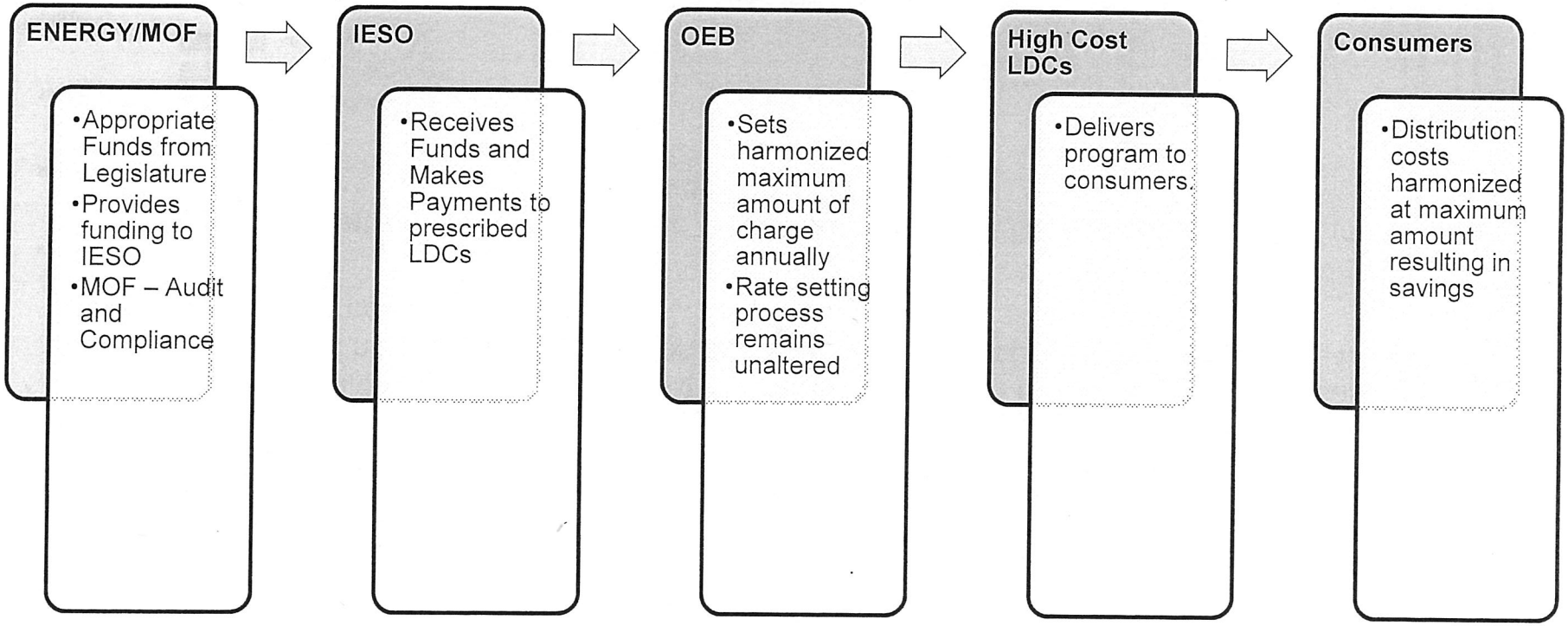
- In addition, Energy is proposing legislative amendments that will broaden rate protection by creating a new distribution rate protection program to complement RRRP. This new program would be funded through appropriated funds and would provide significant benefits to prescribed residential customers.
- Distribution rate protection would be extended to eligible residential customers served by LDCs with the highest distribution costs. Roughly 800,000 customers would receive benefits from the broadened rate protection.
  - These LDCs are: Hydro One (R1 and R2 rate classes), Algoma Power, Atikokan Hydro, InnPower, Chapleau Public Utilities Commission, Sioux Lookout Hydro, Lakeland Power (Parry Sound service territory) and Northern Ontario Wires Inc.
- The legislative amendments would provide Cabinet with the authority to create regulations defining the program.

Ontario

Broadening Distribution Rate Protection – Program Mechanics

- Upon Royal Assent, Energy intends to propose regulations that would outline how the program mechanics would work.
- The maximum charge would not affect the role of the OEB in setting rates. Affected LDCs would still need to file rate applications with the OEB to assess whether or not their costs are reasonable.
- The difference between OEB-approved rates and the maximum monthly charge would be reimbursed to LDCs from the tax-base.

Roles and Responsibilities



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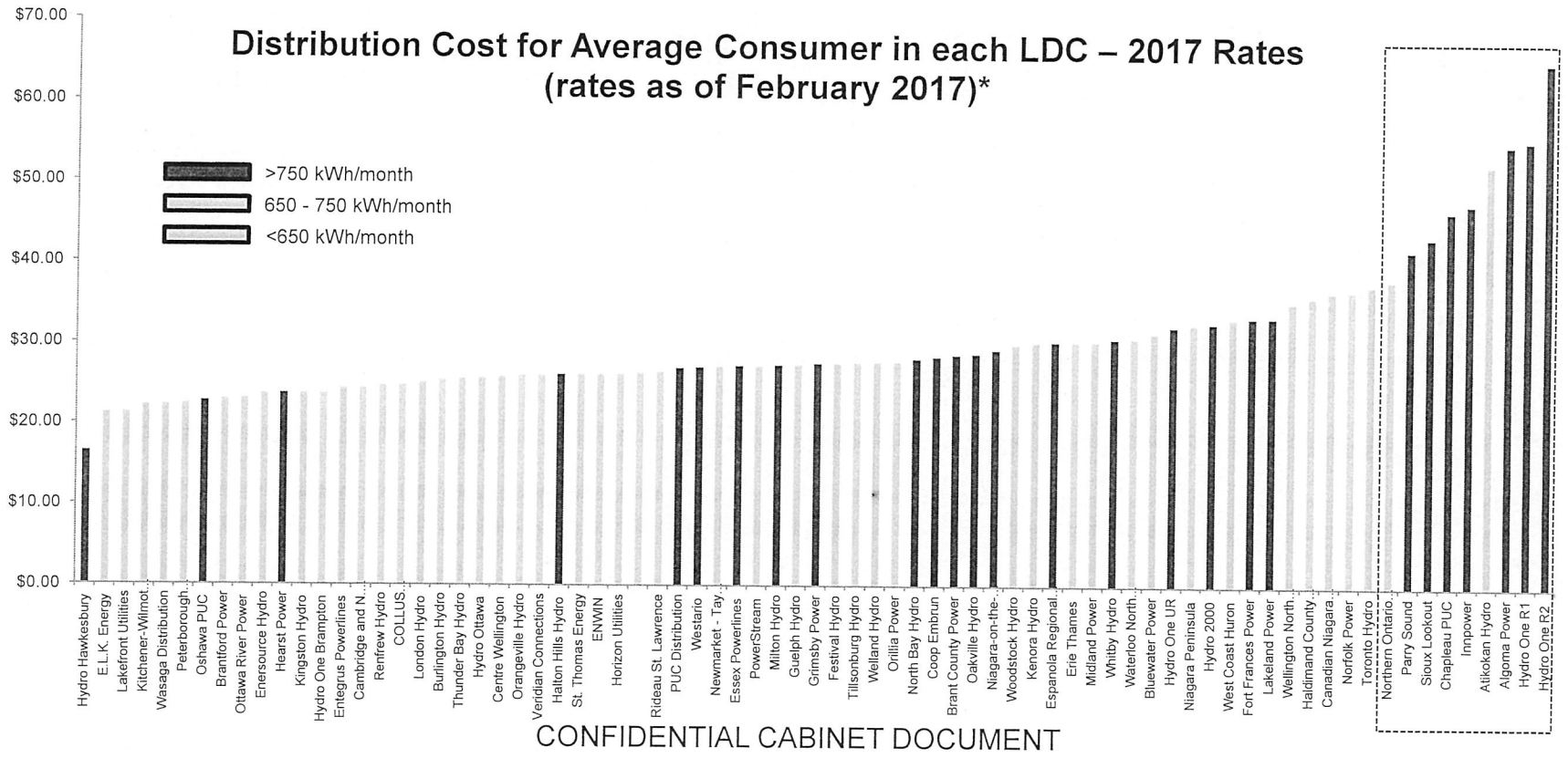
Enhancing the Rural or Remote Protection Program (RRRP)

- The table below shows what 2017 distribution costs are projected to be for the average consumer within each LDC across the province, and highlights the highest-cost distribution rates.
- The charts on the following slides show what the benefits would be in each LDC if the fiscal plan was used to support harmonizing distribution costs for customers of the LDCs in the top ~1/8th of rate classes at $38/month.



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**Rates may have changed due to OEB decisions.*

Ontario Electricity Support Program (OESP) – Overview

- The OESP is an income-tested, application based program that lowers electricity costs of the most vulnerable consumers by a rebate directly on bills. The OESP is currently funded by the rate base.

- OESP benefits vary by income level and family size, and there are two benefit scales that include:
  - The basic program credit ranged from $30/month to $50/month.
  - An enhanced credit that ranged from $45/month to $75/month for consumers that are either Indigenous, use electric heat or have certain medical devices.

- The OESP launched on January 1, 2016, and in just over a year:
  - Over 192,000 have been enrolled in the program representing 33% of the total targeted low-income population. Nearly 300,000 applications have been received.
  - As of March 1, 2017, over $60million in benefits have been provided to vulnerable consumers.
  - 172 intake agencies have been mobilized to assist low income consumers to apply for the OESP.

- The March 1, 2017 Cabinet Minute directed the Ministry to expand every benefit level of the OESP by 50%, move the program from a ratepayer funded program to a government funded program beginning in 2017 and pursuing additional measures to substantially increase take-up.







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Ontario

Ontario Electricity Support Program (OESP) (cont'd)

- On March 23, 2017, the OEB issued a Decision and Order to cancel the OESP charge on all customer bills on May 1 ($0.0011 per kilowatt-hour consumed), and begin using the variance account to continue financing the program (the net difference between the amount of OESP charge collected and the amount paid out)

- On April 11, 2017, amendments to the OESP regulation (O.Reg. 314/15) were filed. These amendments include expanding the credits amounts by 50% and introducing new eligibility categories so that more Ontarians are eligible for the program.
  - The proposed legislative change will allow the OESP to be funded from the tax base once the variance account is depleted, and provide Ministry of Finance with audit capabilities to ensure funds are spent as they were intended.

- The legislative change will also provide the necessary authority for the Ministry of Community and Social Services (MCSS) and the OEB to align OESP program delivery with other social assistance programs and help increase program uptake.
  - ENERGY is working with MCSS to enable automatic entitlement for Ontario Works (OW) and Ontario Disability Support Program (ODSP) participants to receive OESP.
  - ENERGY and the OEB are also working with the Canada Revenue Agency (CRA) to eliminate the CRA requirement for "wet signatures" on OESP application forms to streamline the application process.

Ontario Electricity Support Program (OESP) (cont'd)

- The amendments to the OESP regulation (O.Reg. 314/15) are reflected below. Increases in credit amounts are in red, and the new eligibility categories are circled. These changes come into effect on May 1, 2017.

Existing OESP Benefit Scales

Sliding Scale #1		Household Size						
		1	2	3	4	5	6	7 +
Income Bracket	< $28,000	$30	$30	$34	$38	$42	$50	$50
	$28,001 - $39,000	-	-	$30	$34	$38	$42	$50
	$39,001 - $48,000	-	-	-	-	$30	$34	$38
	$48,001 - $52,000	-	-	-	-	-	-	$30

Sliding Scale #2		Household Size						
		1	2	3	4	5	6	7 +
Income Bracket	< $28,000	$45	$45	$50	$55	$60	$75	$75
	$28,001 - $39,000	-	-	$45	$50	$55	$60	$75
	$39,001 - $48,000	-	-	-	-	$45	$50	$55
	$48,001 - $52,000	-	-	-	-	-	-	$45

New Credit Amounts and Eligible Households

Sliding Scale #1		Household Size						
		1	2	3	4	5	6	7 +
Income Bracket	< $28,000	$45	$45	$51	$57	$63	$75	$75
	$28,001 - $39,000	-	$40	$45	$51	$57	$63	$75
	$39,001 - $48,000	-	-	$35	$40	$45	$51	$57
	$48,001 - $52,000	-	-	-	-	$35	$40	$45

Sliding Scale #2		Household Size						
		1	2	3	4	5	6	7 +
Income Bracket	< $28,000	$68	$68	$75	$83	$90	$113	$113
	$28,001 - $39,000	-	$60	$68	$75	$83	$90	$113
	$39,001 - $48,000	-	-	$52	$60	$68	$75	$83
	$48,001 - $52,000	-	-	-	-	$52	$60	$68

Ontario

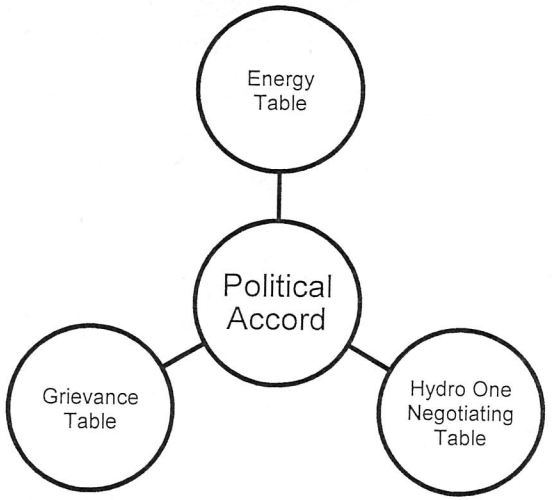
Economic Conditions on Reserve

- On-reserve First Nations customers face unique challenges that impact electricity affordability, such as the poor quality of the housing stock on-reserve. These challenges result in significantly higher electricity consumption levels and costs.
- First Nations living on reserve are particularly vulnerable low-income consumers: the average income is considerably lower compared to First Nations living off reserve and compared to non-Indigenous populations:
  - Average income of First Nations on reserve in Ontario: $21,100;
  - Average income of First Nations off reserve in Ontario: $31,527;
  - Average income of Non-Indigenous people in Ontario: $42,506; and
  - Median incomes on smaller reserves can fall below $10,000 (e.g., Cat Lake FN).
- Employment rates also differ between on-reserve First Nations, off-reserve First Nations and Non-Indigenous individuals, as well as other indices of social vulnerability:
  - 54% of Indigenous people over 15 years old and living on-reserve in Ontario are unemployed or not in the labour force;
  - The on-reserve unemployment rate is 18.3% compared to 6.4% in Ontario generally; and
  - 67% of families residing on-reserve are single parent families, compared to the Canadian equivalent of 19%.
- First Nations are seeking redress for historic grievances related to lands affected by energy developments, such as transmission or distribution infrastructure built on reserve lands and traditional territories where, in some cases, they may not have been appropriately consulted.
- Further, in some circumstances, linear infrastructure corridors cut First Nation reserves in half, significantly disturbing the use and management of an already small land base; the First Nation communities disturbed by the energy infrastructure report having experienced long wait times (e.g., 20 years) for their communities to get connected and receive the benefits of the energy derived from the local infrastructure.

Delivery Credit for On-Reserve Consumers – Overview

- On June 27, 2016, following discussions on Hydro One shares and rates at the Chiefs of Ontario's (COO's) All Chiefs Conference, the Minister of Energy issued a letter directing the OEB to prepare a report providing "advice on options for an appropriate electricity rate (or rate assistance) for on-reserve First Nations electricity consumers".

- On-Reserve First Nations customers experience challenges with energy affordability and are seeking to address historical grievances associated with electricity system infrastructure.



- On December 29, 2016, the OEB provided a report to the Minister which recommended:
  - Elimination of the delivery charge for all on-reserve First Nations residential customers served by licensed distributors, and elimination of the monthly service charge for customers of licensed distributors which charge a bundled rate (no specific delivery charge);
  - Automatically qualify on-reserve First Nations residential customers (~21,500 customers);
  - Continue to provide assistance through OESP and LEAP to eligible on-reserve First Nations customers;
  - The OEB suggested the program should be funded from the tax base as it is targeted to a particular segment of the provincial population.

- On March 1, 2017, Cabinet gave approval to establish "*a new province-wide government funded program beginning in 2017 that would eliminate the delivery charge for First Nations customers on reserve.*"

Ontario

Delivery Credit On-Reserve

- In the spirit of the political accord between the Chiefs of Ontario (COO) and the Province, the government is moving forward with legislation to enable an "On-Reserve" delivery credit.

- The new program would be implemented by amending the Ontario Energy Board Act, 1998 with a new section that would provide:
  - All prescribed on-reserve consumers, the entirety of their delivery line items would be credited.
  - It also provides that for consumers who are served by a distributor that does not have a delivery line item, the monthly service charge or similar charge would be credited (a very few distributors that serve on-reserve customers, such as remote communities, do not have a delivery line item).

- The program would be entirely funded through the tax base.

- The section includes the power to make regulations prescribing further program eligibility details such as:
  - The class of customers eligible (residential full-time, residential seasonal, band offices, commercial, etc.);
  - Whether on-reserve customers who are not status would be eligible, or whether eligibility would be restricted to status individuals only, and the method for determining status, if required;
  - Determining what is considered on-reserve; and
  - Determining the method of calculating the delivery credit.

- Specifics around eligibility, including whether non-status individuals and customers that are not residential are eligible are still subject to ongoing discussion between ENERGY and COO.

Distributor	Number of On-Reserve Residential Customers
Algoma Power Inc.	473
Attawapiskat Power Corporation	336
Bluewater Power Distribution Corporation	237
Cat Lake Power Utility Ltd.	80
Cornwall Electric Distribution	514
Hydro One Networks Inc.	16,679
Hydro One Remote Communities Inc.	2,579
PUC Distribution Inc. (Sault Ste. Marie)	264
Thunder Bay Hydro Electricity Distribution	332
Total Number of Customers	**21,494**

Social Programs – Funding Processes

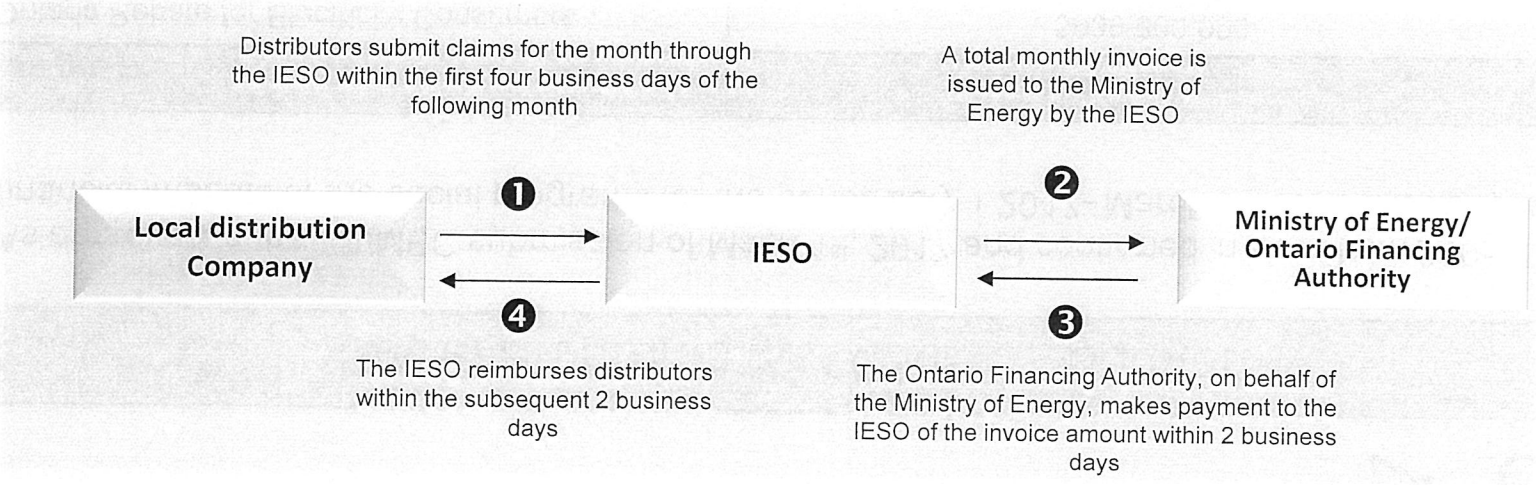
- As social programs are moved to the tax-base, LDCs are reimbursed for credits provided to customers by IESO, which is subsequently reimbursed by ENERGY. This is the same procedure followed for the reimbursement of the 8% Provincial Rebate under the *Ontario Rebate for Electricity Consumers Act, 2016* (ORECA).
- The proposed legislation includes provisions that establish the funding frameworks for these programs that mirror ORECA. These procedures would be further developed through regulation.

Ministry of Finance

- The Fair Hydro Plan Act includes several provisions granting the Ministry of Finance oversight and accountability functions to oversee the flow through of tax-payer money. These include; provisions requiring information to be shared with MOF, enhanced record keeping obligations on parties receiving funds, MOF audit and inspection powers, and offences for being non-compliant.

Independent Electricity System Operator

- The IESO is responsible for receiving payments from the Minister of Energy and compensating distributors for the lost revenue as a result of delivering the program. Each LDC will require a program specific variance account where the balances will be tracked by IESO.
- The IESO will then make payments to distributors from the money appropriated from the legislature in accordance with the outstanding balances identified in the variance accounts.



Ontario

Social Programs and OREC – Budget

- As approved in the TB/MBC submission of Mach 1st, 2017 and confirmed in Vote-Item 2905-1, the financial impacts of the social programs for the period July 1 2017- March 31 2018 are as follows:

Program	2017-18 Budget
Ontario Rebate for Electricity Consumers	$939,000,000
Rural or Remote Rate Protection	$344,000,000
Ontario Electricity Support Program	$140,000,000
On-Reserve First Nations Delivery Credit	$15,000,000
Total	**$1,438,000,000**

- The IESO manages a variance account for the OESP, which holds the difference between the amount of OESP charge collected from the rate base, and the amount of OESP paid out in the form of credits. The amount in the variance account is about $120 million as of March 1, 2017.
- These funds will be used to fund the OESP program until the variance account is depleted, at which point the transfer payment line will be used to finance the program costs.
- ENERGY will return with updated out-year figures as part of the 2018-19 PRRT process.

Ontario

Affordability Fund

- On March 2, 2017, the government announced the establishment of an Affordability Fund as part of its Fair Hydro Plan.
  - Electricity distributors and other stakeholders had indicated to the government that there is an immediate need to help customers in bill arrears and facing service disconnection.
- The Affordability Fund will provide energy efficiency measures to electricity customers who are not eligible for existing low-income conservation programs, and who are otherwise unable to make energy efficiency improvements without financial assistance.
- ENERGY worked with Hydro One to establish an independent Trust to administer the Fund. A centralized delivery model through a Trust was established to ensure independent oversight of funds and to facilitate efficient distribution of funds to electricity distributors.
  - The 'Affordability Fund Trust' was established on March 23, 2017, when the Original Trustee signed a Declaration of Trust ('Trust Deed'). The Original Trustee is Computershare, a professional Trustee company which partners with some of the largest public and private organizations in Canada and globally.
  - On March 24, 2017, ENERGY entered into a Transfer Payment Agreement with the Original Trustee to flow $100 million in fiscal year 2016/17 to the Affordability Fund Trust.
  - The Original Trustee will be replaced by a Board of Trustees, based on the recommendations of an Advisory Committee established by ENERGY, by the end of May. The Board of Trustees will be responsible for administering the Fund, including distributing funds to electricity distributors across the province based on an application process and targeted eligibility criteria. Trustees will include representatives from three electricity distributors and two social service agencies, as well as one non-voting government representative.
  - It is expected that electricity distributors will be able to start applying for funds in Summer 2017.

Ontario

COMMUNICATIONS

Ontario

Communications

Communications Objective:

- Raise awareness about Ontario's commitment to lower electricity costs for ratepayers through the rollout of Ontario's Fair Hydro Plan (OFHP) initiatives.

Strategic Approach:

- Use introduction of legislation milestone to continue increasing awareness of the OFHP and how its measures would lower electricity rates across the province.
- Raise awareness, province wide, using earned, owned, shared and purchased media.
- Support LDCs with a comprehensive communications package.
- Leverage LDC, agency and partner channels.
- Prepare reactive materials will include updated Q&As, key messages and issues management plan.

Audiences:

- All electricity consumers in Ontario.
- Consumer subgroups: residential households, low-income households, small and medium sized businesses, farms and Indigenous communities.

Ontario

Communications (cont'd)

Key Messages:

- *Ontario's Fair Hydro Plan proposes new measures to lower electricity bills by 25 per cent on average for all residential households and as many as half a million small businesses and farms. This builds on the previously announced 8 per cent rebate.*

- *Rates increases held to inflation for four years.*

- *Lower-income Ontarians and those living in eligible rural communities would receive even greater reductions, as much as a 40 to 50 per cent cut.*

- *These measures include the eight per cent rebate introduced in January and build on previously announced initiatives to deliver broad-based rate relief on all electricity bills.*

- *This is the largest reduction to electricity rates in Ontario's history.*

Ontario

Communications (cont'd)

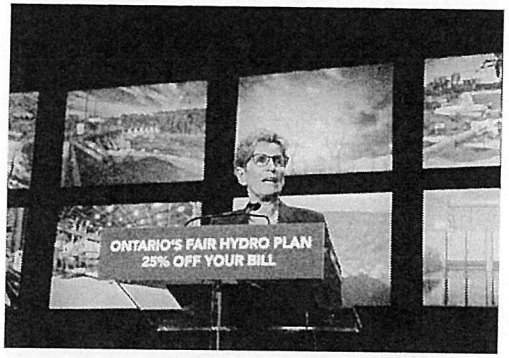
Communications – Tactical Approach

	April/May 2017	May/June 2017	June 2017 to Fall
Regional Rollout Examples: • MPP Template • Speeches • Media event • Op-ed, media pitch • Editorial board meeting	• MPP echo announcements • Minister speaking engagements (ongoing)	• MPP echo announcements • Minister speaking engagements (ongoing)	• Ministry and MPP echo news releases/announcements/Backgrounders/Key messages/ QA (dependent on relevant legislations and/or regulation passage)
Earned Examples: • News release, etc. • Remarks • Event • Calls/emails to targeted audiences • Multilingual media • Fact sheets • House Statement	• Preconditioned earned media: examples of innovative technology success stories • LDC Toolkit development (FAQs, matte stories, digital assets)	• Introduction of legislation May 11th • News release • House statement • QAs • Targeted media outreach • Deliver toolkit to LDCs	• Pitch and disseminate matte materials to community and multi-cultural channels
Digital / Social Examples: • Web content • Twitter/Facebook • Keyword / interactive web • Blogger outreach • Videos	• Web and social media content development (ongoing)	• Updated web and social media content (aligned with TV creative)	• Next phase of digital campaign • Develop sharable content with focus on bill savings
Paid *(must include budget)* Examples: • TV/radio/newspaper • Online banners/ads • Advertorial • Householder/direct mail	• Radio ads • Digital banner ads	• Prepare next wave ads – TV, digital, community channels	• TV ads (timing July)
Shared **Examples:** - Agency and utility inserts, websites, collateral social accounts etc. - Third party agreements	• Develop and share materials to support LDCs	• Bill inserts • Leverage and support agency comms (OEB, IESO) • Chambers of Commerce events	• LDC communications with customers • Bill inserts, digital content, brochureware • Canadian Manufacturers Association opportunities

Ontario

Ontario's Fair Hydro Plan Rollout To Date

- Since launch in early March, Government has undertaken extensive province-wide rollout and promotion of OFHP.
- The Premier's Speech on March 2, 2017 has been followed by 13 echo announcements in communities across Ontario.













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Ontario

Media Coverage of OFHP

"Alectra Utilities' customers could see a 27 per cent cut in their electricity costs by the summer under a proposed strategy announced by the Ontario government that promotes a 25 per cent reduction in hydro bills."
HamiltonNews.com
May 8, 2017

HamiltonNews.com

"Reducing hydro bills the fair way forward: Wynne"
Toronto Star, March 7, 2017

TORONTO STAR

"Durham households and small businesses should expect lower hydro bills"
Oshawa This Week, April 12, 2017

DurhamRegion.com

"Minister visits Orillia to outline hydro plan"
Orilia Packet and Times,
March 24, 2017

orilliapacket.com

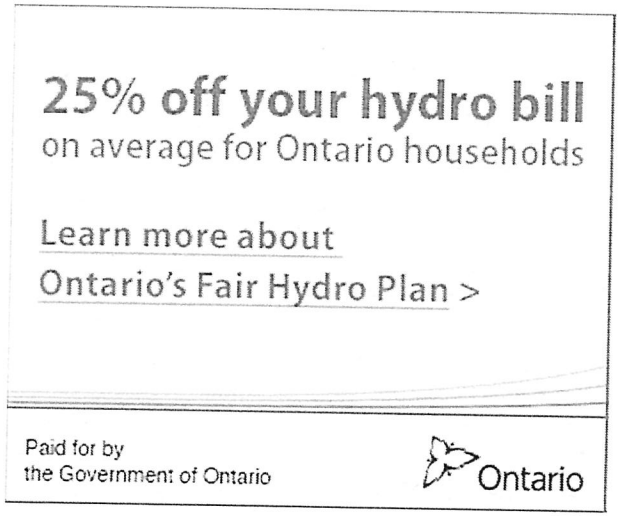
Ontario

OFHP Advertising Phase I – Radio and Digital

- Radio campaign launched March 13th for four weeks, and was extremely successful, with 6,112,608 impressions (based on adults age 25-54) in 89 local markets across Ontario.

- Social and digital ads ran province-wide in English and French with an estimated 10,054,309 impressions.

- Multi-cultural radio followed starting March 20th for three weeks in 19 languages.



OFHP Advertising Phase II – TV, Print, Digital

- Phase II is expected to launch early July 2017 with an integrated television advertising campaign supported by radio, print, digital and social media.

- A "slice of life" commercial is in development featuring Ontario's Fair Hydro Plan and how it helps people in their everyday lives.



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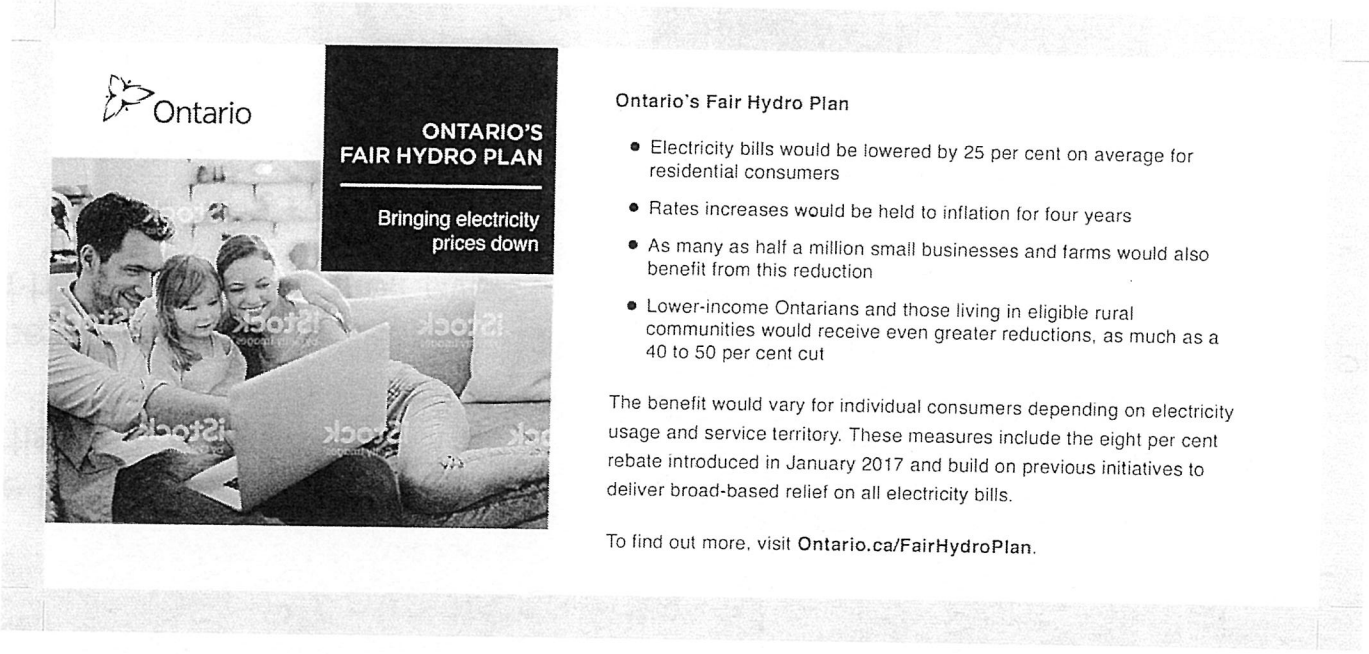
Ontario

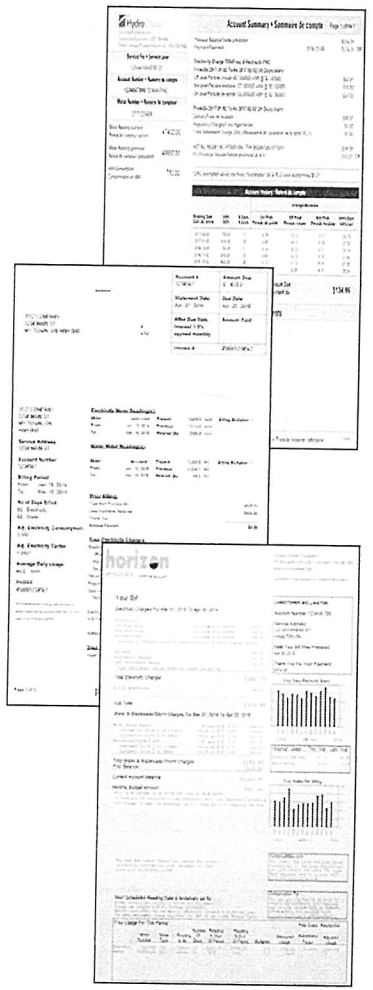
Electricity Bill Inserts

- The Ministry of Energy is asking electricity utilities to include inserts on the OFHP in bills, starting in June 2017.
- In addition, utilities will be required by regulation to include further OFHP inserts in bills once a quarter for one year.
- Below is a mockup of the potential June insert:



OFHP On-Bill Messaging – Authority Overview

- In Ontario, most electricity customers receive bills for their consumption of electricity from their LDC.
- The government has the authority to stipulate requirements in relation to the form and content of electricity bills, including the ability to prescribe messaging related to government programs directly on bill invoices, inserts and envelopes.
- These requirements have been criticized as a patchwork of measures that limit the invoice's readability and usefulness to consumers. Customer advocates have called for more flexibility to design a more consumer-responsive invoice.
- The government obtains its authority to mandate specific content with respect to bills from the Ontario Energy Board Act, 1998, as well as a number of regulations, including:
  - **O. Reg. 275/04,** which requires bills to display specific line items, as well as a glossary of terms, consumption information and government messaging.
  - **O. Reg. 364/16,** which requires LDCs to include the 8% provincial rebate for consumers on bills, bill inserts and envelopes.
  - **O. Reg. 429/04,** which requires the GA to be disclosed on electricity bills for specified customers.
- The OEB has also established policies related to bill frequency and accuracy, which LDCs are required to follow.
- Hydro bill appearance varies widely across Ontario's approximately 70 LDCs.



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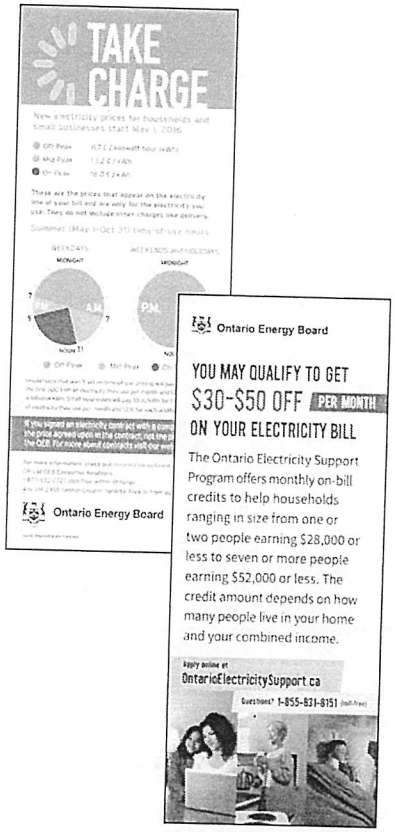
OFHP On-Bill Messaging – Near Term Messaging

- To ensure LDCs can provide Ontario Fair Hydro Plan programs on-time, only minimal near-term messaging is possible.
- In the upcoming months, LDCs will provide the following messaging updates:

Date	Bill Messaging
May 2017	• LDCs required to provide an OEB bill insert indicating changes to Time-of-Use (TOU) pricing.
June 2017	• LDCs, where willing, to issue OFHP bill inserts ahead of finalized OFHP regulations. • Ministry will work with LDCs to provide messaging, artwork and translation of the June bill inserts.
July 2017	• OFHP regulations will be introduced in June 2017, which will require that as of July 1, 2017 LDCs provide: 1. General invoice messaging to explain the existence of the Ontario Fair Hydro Plan. 2. Bill insert explaining OFHP programs in greater detail using prescribed language.



Sample: OEB May 2016 TOU Bill Insert

OFHP Bill Insert – Design Options

- While some LDCs may begin providing inserts in June, all LDCs will be required by regulation to provide inserts beginning in July.
- Unlike the proposed June 2017 bill insert, LDCs would be required to comply with this second bill insert as per regulation.



Ontario's Fair Hydro Plan would lower electricity bills by 25 per cent, with rates also held to inflation for the next four years, for typical residential consumers. As many as half a million small businesses and farms would also benefit under the Plan. The benefit would vary for individual consumers depending on consumption and service territory. Lower-income Ontarians and those living in eligible rural communities would receive even greater reductions, as much as a 40 to 50 per cent cut. These measures include the eight per cent rebate introduced in January and builds on previous initiatives to deliver broad-based relief on all electricity bills.

To find out more, visit **Ontario.ca/FairHydroPlan.**

Ontario

ONTARIO'S
FAIR HYDRO PLAN

Bringing electricity prices down

Ontario's Fair Hydro Plan would lower electricity bills by 25 per cent, with rates also held to inflation for the next four years, for typical residential consumers. As many as half a million small businesses and farms would also benefit under the Plan. The benefit would vary for individual consumers depending on consumption and service territory. Lower-income Ontarians and those living in eligible rural communities would receive even greater reductions, as much as a 40 to 50 per cent cut. These measures include the eight per cent rebate introduced in January and builds on previous initiatives to deliver broad-based relief on all electricity bills.

To find out more, visit **Ontario.ca/FairHydroPlan.**

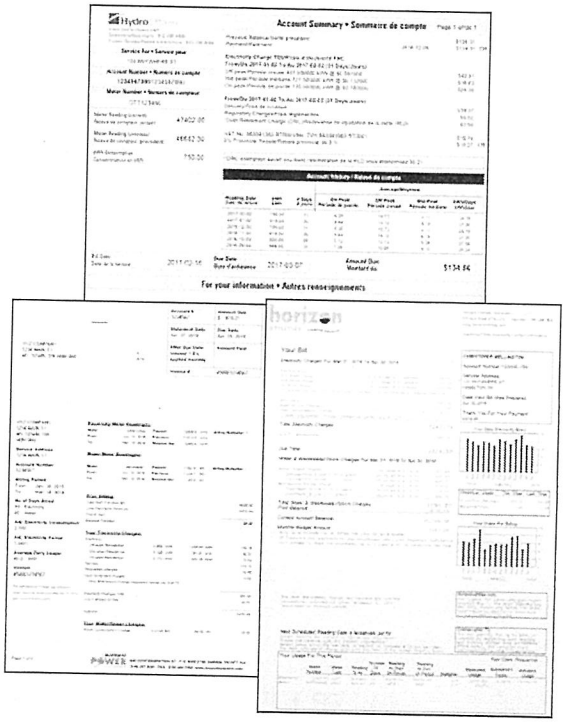
Ontario

Note: Graphic treatments are for discussion only

Ontario

Long-Term Messaging Improvements

- The Ministry believes there is opportunity for a consultation on the design of the bill, with a goal to refresh the regulatory framework to improve the value of the bill to the consumer across all LDCs.
  - Changes of this nature will require more in-depth consultation with LDCs, as well as broader regulatory amendments to simplify the requirements, necessitating a longer period to implement.
  - This refresh would also include opportunities to communicate OFHP savings in a more personalized and comprehensive manner.
- The Ministry proposes to convene with LDCs in July, once they've had sufficient time to make the backend changes necessary to implement the OFHP initiatives and general OFHP messaging, to discuss the changes they would like to see to bill presentment. We would also seek their feedback on how to improve the associated regulations.
- Consultation will also involve consumers, consumer advocates and other interested parties.
- Based on this feedback, the Ministry would aim to introduce regulatory amendments to simplify bill presentment in the Fall 2017.



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Ontario

OFHP On-Bill Messaging – Proposed Timeline

- The Ministry believes there is opportunity for redesign of the electricity bill this summer, with a goal to refresh the regulatory framework to improve the value of the bill to the consumer across all LDCs.

June 2017
OFHP Bill Inserts

- LDCs to voluntarily issue OFHP bill inserts in late June ahead of finalized OFHP regulations.
- ENERGY to provide LDCs with sample bill insert messaging, artwork and translation (possibly hard copies).

July 1, 2017
OFHP Required Messaging

- OFHP legislation and regulations to be introduced in June 2017, require LDCs to complete the following by July 1, 2017:

1. issue a second OFHP bill insert with prescribed messaging;
2. include standardized on-bill messaging; and
3. remove outdated line items and messaging (e.g., 8% provincial rebate).

July-Aug. 2017
RAP Consultations

- ENERGY to convene with LDCs in July once OFHP initiatives have been implemented.
- ENERGY would seek feedback from LDCs on the changes they would like to see to bill presentment.
- Consultations would also involve consumer advocates and other interested parties.

Fall/Winter 2017
RAP Regulatory Amendments

- ENERGY would aim to introduce regulatory amendments to simplify bill presentment in Fall 2017.

Fall/Winter 2017
Implementation

- Regulatory amendments to become effective no later than January 1, 2018.

Ontario

Cabinet Minute

1. Cabinet approved the proposed *Fair Hydro Act, 2017* for introduction, subject to the following:

    i. The Office of Legislative Counsel is authorized to prepare a French version and to make minor adjustments to the English version, for the purpose of ensuring consistency between the two versions and making other improvements or correcting mistakes discovered in the translation process.

2. ENERGY to report back, pending Royal Assent, with regulation and associated regulatory amendments for approval.

3. ENERGY work with Cabinet Office and Premier's office to develop a communications plan.

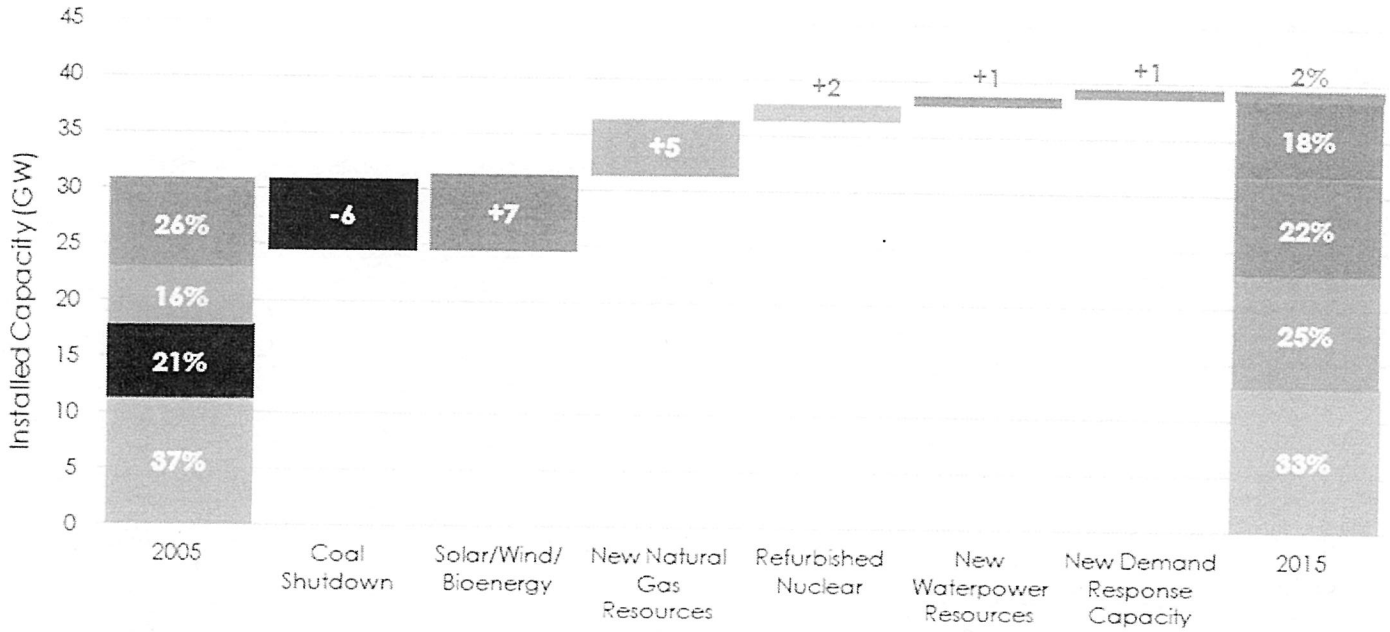
Ontario

Appendix

Ontario

Infrastructure Investments

- Electricity costs are increasing as the necessary investments are made to decarbonize and modernize the province's electricity infrastructure. Since 2005, Ontario has invested more than $50 billion in generation, transmission and distribution assets to ensure the system is clean and reliable.



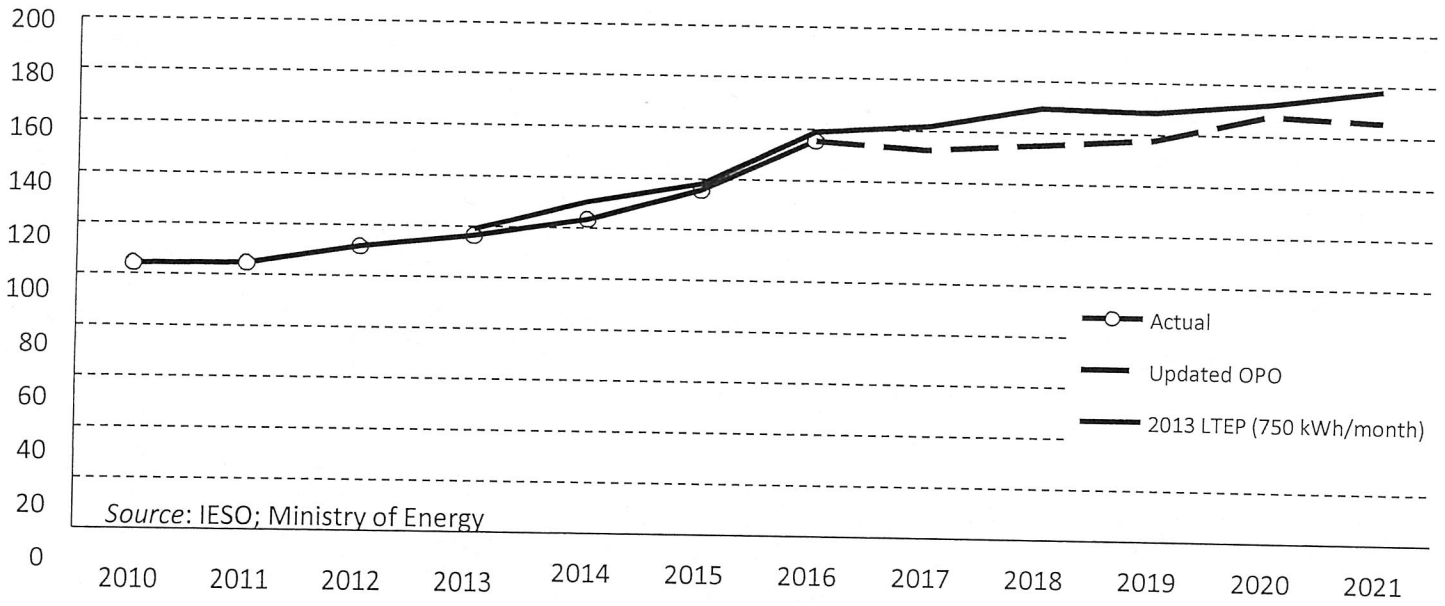
Source: IESO Ontario Planning Outlook

Electricity Prices Infrastructure Investments

- Electricity price increases have generally outpaced inflation. There have been several government policies that have impacted electricity prices over the past several years, including: HST, the Industrial Conservation Initiative (ICI), the Ontario Clean Energy Benefit (OCEB) and the Debt Retirement Charge (DRC).

- Following the 2016 Throne Speech, a number of actions were announced to further reduce electricity costs including an 8% electricity bill rebate for residential consumers.

Illustrative Typical Residential Electricity Bills
Historical and Forecast in $/month



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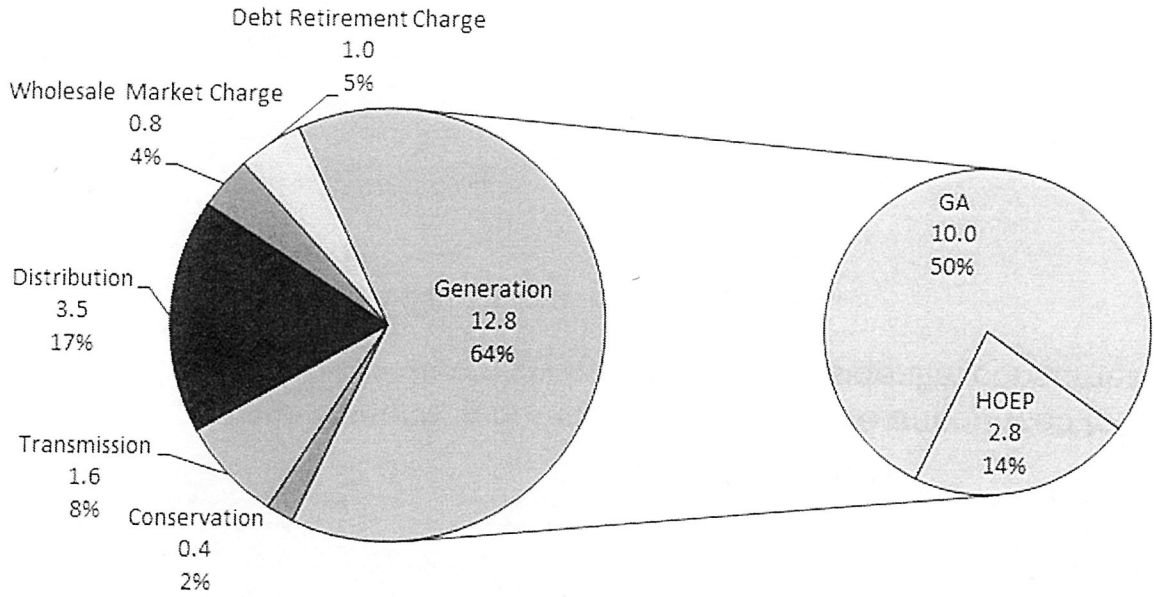
Global Adjustment

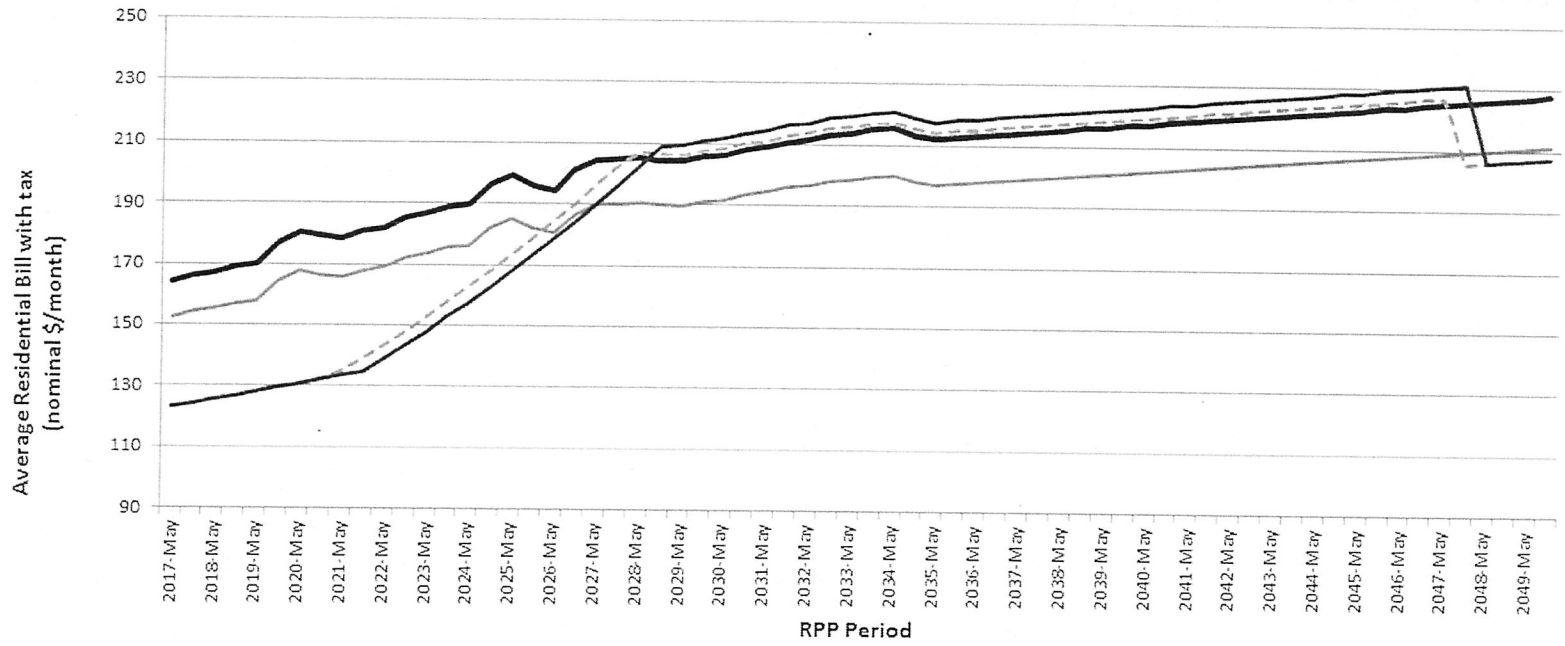
- In 2015, generation accounted for 64% of total electricity system costs. Total system costs in 2015 were $20 billion.

2015 Electricity System Cost
$ billion



***Source*:** IESO

GA Smoothing for RPP-Eligible Only (Borrow $2.5 billion in 2017, Residential Bills Lowered 25%)



	2017	2018	2019	2020	2021	2022	2023	2024	2025	2026	2027	2028	2029	2030	2031	2032	2033	2034	2035	2036	2037	2038	2039	2040	2041	2042	2043	2044	2045	2046	2047	2048
Average monthly bill with OFHP ($/month)	124	126	129	131	137	146	155	165	176	187	199	207	207	209	212	214	216	216	214	215	216	217	219	220	221	222	223	224	225	226	216	206
Year-over-year change (%)	n/a	2.01	2.01	2.01	4.25	6.44	6.44	6.44	6.44	6.44	6.44	3.61	0.08	1.20	1.29	1.14	0.93	-0.04	-0.88	0.49	0.49	0.49	0.49	0.49	0.49	0.49	0.49	0.49	0.49	0.49	-4.37	-4.61
Impact of GA financing and tax-basing ($/month)	-29.9	-30.0	-35.0	-34.4	-28.8	-24.0	-17.8	-14.2	-3.3	3.4	12.2	16.4	16.5	16.7	16.9	17.1	17.2	17.1	17.0	17.1	17.2	17.3	17.4	17.5	17.6	17.6	17.7	17.8	17.9	18.0	-3.9	-4.0
Total accumulated debt ($B)	2.5	5.2	8.2	11.6	14.7	17.5	19.9	22.0	23.5	24.1	24.2	23.7	23.1	22.5	21.8	21.0	20.1	19.2	18.3	17.2	16.1	14.9	13.7	12.3	10.9	9.3	7.7	5.9	4.1	2.1	0.0	0.0
Total change in accumulated debt ($B)	2.5	2.6	3.0	3.5	3.1	2.8	2.4	2.0	1.6	0.6	0.1	-0.5	-0.6	-0.6	-0.7	-0.8	-0.8	-0.9	-1.0	-1.0	-1.1	-1.2	-1.3	-1.4	-1.4	-1.5	-1.6	-1.7	-1.9	-2.0	-2.1	0.0

Notes: Assumes 30 year financing period and a nominal interest rate of 5% (compounded monthly). Ratepayer GA payments increase annually beyond 2020 such that the average monthly residential electricity bill increases by 6.3% per year to a maximum of $2.2 billion above the true cost of GA in any given year to cap repayment charges at around 10% of total bill. IESO forecast is based on IESO's revised OPO forecast as of February 2017. Includes the cancellation of LRP II and EFW, expansion of ICI. Does ~~not include smoothed OPG rates. Above residential bill is based on a 750 kWh~~ per month Toronto Hydro customer. Data shown above is by RPP period. Assumes RPP prices are adjusted in July 2021 instead of May 2021 to coincide with the end of the inflation cap. Fair allocation amounts subject to third party review.

Delivery and Distribution Charge – Background

- The **Delivery** line on a typical consumer bill is specific to a consumer's Local Distribution Company (LDCs) and accounts for roughly 25-35% of the total bill before taxes.

- Delivery covers the costs of getting electricity from generating stations across the province to homes and businesses and combines three cost components of the electricity sector into one line item charge:

  - **Transmission:** The costs of moving electricity across high voltage lines from generating stations to the distribution system. This cost is recovered through a variable charge that is approved by the OEB.

  - **Distribution:** The costs of moving electricity from the transmission system to homes and businesses. Depending on the LDC, distribution costs makes up about 60% to 80% of the Delivery line.

    - This cost is currently recovered through both a variable charge and fixed charge, approved by the OEB. Distribution rates are moving to a fully-fixed charge over next 5 years.

  - **Line Loss:** The costs to recover electricity that is lost as heat when its delivered over a power line. Each LDC is assigned by the OEB a specific line-loss adjustment factor to reflect their loses particular to their assets. This factor is multiplied against the monthly electricity cost to determine the monthly cost.

SAMPLE MONTHLY BILL STATEMENT

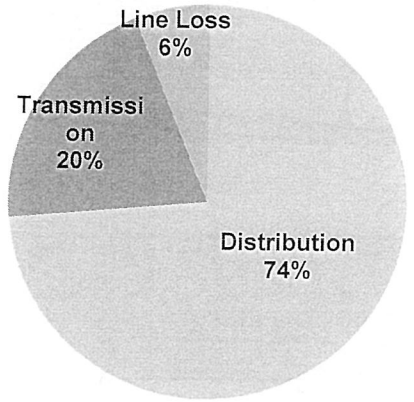
Anytown Hydro-Electric Limited

Account Number:
000 000 000 000 0000

Meter Number:
00000000

Your Electricity Charges	
Electricity	
Off-Peak @ 8.700 ¢/kWh	41.20
Mid-Peak @ 13.200 ¢/kWh	16.35
On-Peak @ 18.00 ¢/kWh	23.60
Delivery	53.07
Regulatory Charges	4.79
Debt Retirement Charge	0.00
Total Electricity Charges	**$139.00**
HST	18.07
8% Provincial Rebate	(11.12)
Total Amount	**$145.95**

Cost breakdown of Delivery Line for an Average Residential Bill*



* Toronto Hydro Bill @ 750kWhs

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Appendix: See Ministry of Energy's Implementation of Ontario's Fair Plan – Appendix

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Implementation of Ontario's Fair Hydro Plan – Appendix

Ministry of Energy

May 10, 2017

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FINAL DRAFT

KPMG Letter to the Independent Electricity System Operator

An Accounting Opinion on the Application of PSAS to the Consolidation of a Trust and to the Recognition and Derecognition of a Variance Account in Relation to the Proposed *Ontario Fair Hydro Plan Act. 2017*

This letter has been prepared in draft form and will be updated upon receipt of the adopted legislation (including the amendments of the Electricity Act and the OEB Act) and finalized financial structure (including the bylaws and regulations of the OPG Trust) and other relevant agreements necessary for us to provide our final opinion, of which legislation and other relevant agreements are expected to be enacted/ finalized on or before September 30, 2017

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NOTICE OF NON RELIANCE

This Notice is regarding the accompanying Letter to provide an accounting opinion on the application of Public Sector Accounting Standards to the consolidation of a trust and to the recognition and derecognition of a variance account in relation to the proposed *Ontario Fair Hydro Plan Act, 2017* (the "**Letter**") prepared by KPMG LLP for the Independent Electricity System Operator ("Client").

The following terms apply to any review of the Letter and should you not agree to these terms, please do not review the Letter and delete copy of the same.

The Letter was prepared in connection with certain services we provided to the Client and should not be used for any other purpose or regarded as suitable for use by any person or persons other than the Client.

No one other than the Client is authorized by KPMG to rely upon any information or views expressed in the Letter. KPMG shall have no responsibility or liability for loss or damages or claims, if any, to or by any third party as the Letter has not been prepared for, and is not intended for, and should not be used by, any third party or for any other purpose.

KPMG in no way accepts any duty of care to you or any other person or accepts any agreement or other arrangement of a contractually binding nature between our firm and such parties.

KPMG neither warrants nor represents that the Letter is accurate, complete, sufficient or appropriate for any purpose contemplated by you or any other person or body. You shall have no right to disclose the Letter to any other party, unless disclosure is required by law or to fulfill a professional obligation required under applicable professional standards.

Yours very truly,

KPMG LLP

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May 4, 2017

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120 Adelaide Street West
Suite 1600
Toronto, ON
M5H 1T1

The Board of Directors

Dear Sirs,

We have been engaged to provide you with an accounting opinion on the application of Public Sector Accounting Standards to the consolidation of a trust and to the recognition and derecognition of a variance account in relation to the proposed *Ontario Fair Hydro Plan Act, 2017* ("the proposed Act") (Appendix A, Version 6, to this letter). This letter is being issued to the Independent Electricity System Operator ("IESO" or the "Company") in connection with its evaluation of the consolidation requirements and the accounting for the variance account under Canadian Public Sector Accounting Standards ("PSAS"). Our engagement has been conducted in accordance with generally accepted standards in Canada for such engagements.

The ultimate responsibility for the decision on the appropriate application of PSAS for the specific issues described below rests with management of the Company as preparers of the financial statements.

The adoption of the proposed Act (including the subsequent amendments of the Electricity Act, 1998 ("the Electricity Act") and the Ontario Energy Board ("OEB" or the "Board") Act ("the OEB Act")), and the finalization of the financing structure (including the bylaws and regulations of the OPG Trust) and other agreements will take several weeks. Accordingly, our judgment on the appropriate application of PSAS for the specific matters described below is based on the facts, circumstances and assumptions provided to us. The finalization of the legislation, regulations, financing structure and other agreements may impact the comments and conclusions set out herein. Our comments and conclusions are based on the proposed Act and related matters as they exist at the date of this letter.

The following three issues are addressed in this letter:

Issue #1: Can the IESO recognize a regulatory asset related to the variance account created by the proposed Act?

Issue #2: Is the trust to be established by Ontario Power Generation (the "OPG Trust") controlled by the IESO according to the guidance issued under PSAS 1300 *Government Reporting Entity* and therefore subject to consolidation by IESO?

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Issue #3: What is the accounting treatment for derecognition of the regulatory asset by the IESO upon transfer of the variance account to the OPG Trust?

Background for issue #1

The facts, circumstances, and assumptions relevant to the specific transactions as provided to us by the management of the Company (responsible party) are as follows:

1. The IESO's legal status is a not-for-profit, non-taxable, corporation established pursuant to Part II of the Electricity Act. Management of the IESO has determined that the Company is an Other Governmental Organization and accordingly prepares its financial statements in accordance with PSAS.

2. IESO is rate regulated by the OEB in accordance with the Electricity Act and the OEB Act.

3. *Extract from the 2016 IESO financial statements, note 3 New Accounting Policies*, audited by KPMG "As of January 1, 2016, the IESO changed its accounting policy regarding the recognition of assets and liabilities subject to rate regulation. The change was made to better reflect the economic substance of certain types of expenses that may not be directly recovered through the normal revenue requirement model. This change has been applied retroactively and has increased amounts previously unrecorded for regulatory assets and decreased amounts previously reported for accumulated deficit."

4. *Extract from the 2016 IESO financial statements, note 2(d) Summary of Significant Accounting Policies, Regulatory assets and liabilities*, "As a rate-regulated entity, the IESO, in appropriate circumstances establishes regulated assets or liabilities and thereby defers the impact on the statement of operations of certain expenses or revenues because they are probable to be collected or refunded to market participants through future billings. The IESO applies guidance from United States Generally Accepted Accounting Principles (US GAAP) Topic 980, *Regulated Operations ("ASC 980")*, in this policy.

5. *Extract from Section 78(3.3) of the OEB Act*: In approving or fixing rates under subsection (3.1)

   (a) the Board shall forecast the cost of electricity to be consumed by the consumers to whom the rates apply, taking into consideration the adjustments required under section 25.33 of the Electricity Act, 1998 and shall ensure that the rates reflect these costs, and

   (b) the Board shall take into account balances in the IESO's variance accounts established under section 25.33 of the Electricity Act, 1998 and shall make adjustments with a view to eliminating those balances within 12 months or such shorter time periods as the Minister may direct.

6. Currently, IESO recognizes two regulatory assets for unrecovered smart metering expenses and unrecovered PSAB transition items as permitted by rates approved by the OEB. In addition, in accordance with section 25.33 of the Electricity Act, IESO also recognizes variance accounts (eg. OESP, RPP and RRRP variance accounts) to record all amounts payable or receivable by it in connection with the amounts paid to generators, the Ontario Electricity Financial Corporation ("OEFC"), distributors and to entities with whom the IESO has a procurement contract.

7. The Electricity Act, OEB Act and other regulations will be amended to reflect the following *extracts of the proposed Act*

   Section 1xx Definitions, Transfer of regulatory asset

   (3) In this Act, a reference to the transfer of a specified portion of the regulatory asset is a reference to the following, as provided for in subsection 22xx (3):

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1. A reduction in the balance in the variance account.
2. The adjustment of the regulatory asset.
3. The acquisition by a financing entity of the investment interest corresponding to the specified portion of the regulatory asset.

Section 20.1xx Variance account to be established

(1) IESO shall establish and maintain a variance account for the purposes of this section.

(2) IESO shall record the following in the variance account:

1. The amount of the IESO funding shortfall for each month.
2. All payments received by IESO resulting from the exercise of the right of recovery under section 21xx and any transfer under section 22xx.
3. Such other adjustments as may be prescribed, including adjustments in respect of the period that commences after May 1, 2017 and before the day this section comes into force.

(3) Subject to the correction of any obvious error by IESO, its recording of the balance in the variance account is determinative of the balance as of the time of the recording.

(4) No change made by IESO to the balance in the variance account shall, if the previous balance was relied upon by an investment interest owner in the context of a transfer under section 22x, affect the rights of the investment interest owner acquired under the transfer.

Section 21xx Regulatory asset established

(1) Effective May 1, 2017, the IESO has the right, exercisable in accordance with this Act and the regulations, to recover the balance recorded in the variance account from specified consumers.

(2) Subject to subsection (3), the Board shall, from time to time, determine and set rates payable by specified consumers to allow for IESO to recover the balance recorded in the variance account.

(3) IESO shall not be entitled to collect all or part of the balance recorded in the variance account from specified consumers before May 1, 2021.

(4) The Board's powers under subsection (3) shall be exercised in accordance with the regulations.

Section 30.1xx Board's Authority

(2) Despite anything to the contrary in the OEB Act, the Board may exercise any of its responsibilities under this Act without a hearing.

8. It is expected that the funding shortfall recorded by the IESO in the variance account (the regulatory asset) will be transferred to an investment asset owner (ie a trust to be established by OPG) on a monthly basis and cash collected within a short period of time. The total IESO funding shortfall for the period from May 1, 2017 to April 30, 2047 is estimated at $28 billion plus interest.

Appropriate Accounting Principle for issue #1

ASC 980 Regulated Operations

- For general-purpose financial reporting, an incurred cost for which a regulator permits recovery in a future period is accounted for like an incurred cost that is reimbursable under a cost-reimbursement-type contract. [980-10-05-8]

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- Unless an accounting order indicates the way a cost will be handled for rate-making purposes, it causes no economic effects that would justify deviation from the GAAP applicable to business entities in general. The mere issuance of an accounting order not tied to rate treatment does not change an entity's economic resources or obligations. In other words, the economic effect of regulatory decisions—not the mere existence of regulation—is the pervasive factor that determines the application of GAAP. [980-10-05-8]
- The guidance in the Regulated Operations Topic applies to general-purpose external financial statements of an entity that has regulated operations that meet all of the following criteria:
  (a) The entity's rates for regulated services or products provided to its customers are established by or are subject to approval by an independent, third-party regulator or by its own governing board empowered by statute or contract to establish rates that bind customers.
  (b) The regulated rates are designed to recover the specific entity's costs of providing the regulated services or products. This criterion is intended to be applied to the substance of the regulation, rather than its form.
  (c) In view of the demand for the regulated services or products and the level of competition, direct and indirect, it is reasonable to assume that rates set at levels that will recover the entity's costs can be charged to and collected from customers. This criterion requires consideration of anticipated changes in levels of demand or competition during the recovery period for any capitalized costs. [980-10-15-2]
- A cost arising from cash paid out or obligation to pay for an acquired asset or service. a loss from any cause that has been sustained and has been or must be paid for. [980-10-20] Glossary
- Failure of an entity's operations to continue to meet the criteria in paragraph 980-10-15-2 can result from different causes. Examples include the following:
  (a) Deregulation
  (b) A change in the regulator's approach to setting rates from cost-based rate-making to another form of regulation.
  (c) Increasing competition that limits the entity's ability to sell utility services or products at rates that will recover costs (as used in paragraph 980-10-15-2).
  (d) Regulatory actions resulting from resistance to rate increases that limit the entity's ability to sell utility services or products at rates that will recover costs if the entity is unable to obtain (or chooses not to seek) relief from prior regulatory actions through appeals to the regulator or the courts. [980-20-15-2]
- Rate actions of a regulator can provide reasonable assurance of the existence of an asset. An entity shall capitalize all or part of an incurred cost that would otherwise be charged to expense if both of the following criteria are met:
  (a) It is probable (as defined in Topic 450) that future revenue in an amount at least equal to the capitalized cost will result from inclusion of that cost in allowable costs for rate-making purposes.
  (b) Based on available evidence, the future revenue will be provided to permit recovery of the previously incurred cost rather than to provide for expected levels of similar future costs. If the revenue will be provided through an automatic rate-adjustment clause, this criterion requires that the regulator's intent clearly be to permit recovery of the previously incurred cost.

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A cost that does not meet these asset recognition criteria at the date the cost is incurred shall be recognized as a regulatory asset when it does meet those criteria at a later date. [980-340-25-1]

- Rate actions of a regulator can reduce or eliminate the value of an asset. If a regulator excludes all or part of a cost from allowable costs, the carrying amount of any asset recognized pursuant to paragraph 980-340-25-1 shall be reduced to the extent of the excluded cost. Whether other assets have been impaired shall be judged the same as for entities in general and the Impairment or Disposal of Long-Lived Assets Subsections of Subtopic 360-10 shall apply. [980-340-35-1]
- If at any time an entity's incurred cost no longer meets the criteria for the capitalization of an incurred cost (see paragraph 980-340-25-1), that cost shall be charged to earnings. [980-340-40-1]
- In some cases, a regulator may approve rates that are intended to recover an incurred cost over an extended period without a return on the unrecovered cost during the recovery period. [980-340-55-2]
- The regulator's action provides reasonable assurance of the existence of an asset (see paragraph 980-340-25-1). Accordingly, the regulated entity would capitalize the cost and amortize it over the period during which it will be allowed for rate-making purposes. That cost would not be recorded at discounted present value. An exception to this general rule is provided for costs of abandoned plants. [980-340-55-3]

Issue #1: Can the IESO recognize a regulatory asset related to the variance account created by the proposed Act?

As noted above, as of January 1, 2016, the IESO changed its accounting policy to recognize the economic impacts of rate regulation and now applies guidance from US GAAP Topic 980, *Regulated Operations*, as PSAS does not have any specific guidance for entities with rate-regulated activities.

IESO concluded that it met the requirements of PS2120.02, which allows them to reflect the impacts of rate regulation, as it is considered that the change of accounting policy in its 2016 financial statements resulted in a more appropriate presentation of transactions in its financial statements. The change was made to better reflect the economic substance of certain types of expenses that may not be directly recovered through the normal revenue requirement model.

The regulatory framework in Ontario relating to the generation and sale of electricity will be significantly impacted by the proposed Act. Currently, a substantial amount of the energy purchased from the generators is collected by IESO from the local distribution companies through the customer billing, with the remaining being recovered through variance accounts over a period of 12 months maximum. As mentioned above, the effect of the proposed Act is to defer the collection of a total estimated amount of $28 billion (plus interest) of energy purchased from the generators over a period of 30 years. The proposed Act will not permit IESO to collect the funding shortfall before May 1, 2021 and the recovery process will be established through regulations. Such a long-term deferred recovery plan requires IESO to consider whether the uncollected energy costs qualify for deferral as a regulatory asset and whether it continues to meet the criteria that allow IESO to use the guidance for regulated operations of Topic 980. These two accounting issues are analyzed in the two tables below.

Criteria for the recognition of regulatory assets

ASC 980-340-25-1 states that rate actions of a regulator can provide reasonable assurance of the existence of an asset. An entity shall capitalize all or part of an incurred cost that would otherwise be charged to expense if both of the following criteria are met:

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Criteria	Comment	Evaluation
(a) It is probable that future revenue in an amount at least equal to the capitalized cost will result from inclusion of that cost in allowable costs for rate-making purposes. (b) Based on available evidence, the future revenue will be provided to permit recovery of the previously incurred cost rather than to provide for expected levels of similar future costs. *(emphasis added)* If the revenue will be provided through an automatic rate-adjustment clause, this criterion requires that the regulator's intent clearly be to permit recovery of the previously incurred cost.	The proposed Act states that, • *A recording of the balance in the variance account is determinative of the balance as of the time of the recording.* • *Effective May 1, 2017, IESO has the right, exercisable in accordance with this Act and the regulations, to recover the balance recorded in the variance account from specified consumers.* • *The Board shall, from time to time, determine and set rates payable by specified consumers to allow for IESO to recover the balance recorded in the variance account.* • *The IESO shall not be entitled to collect all or part of the balance recorded in the variance account from specified consumers before May 1, 2021.* Based on the proposed Act, IESO has the right to recover the balance recorded in the variance account. As a result, it is clear that IESO will be able to recover the amount previously incurred rather than to provide for expected levels of similar future costs.	Met

Criteria for the adoption and continued use of ASC 980 guidance

Deferred recovery plans are plans adopted by regulators or legislations in response to significant increases in costs (e.g. purchased power costs). These plans typically provide for rates to remain fixed or increase moderately with a variance account mechanism to capture costs in excess of the level allowed in current rates. A regulated utility subject to such plans is required to consider whether it continues to meet the criteria that allow it to use the guidance for regulated operations of Topic 980, especially criteria ASC 980-10-15-2 (b).

The proposed plan for the recovery of purchase power costs over a 30 year period is considered a deferred recovery plan as the rates for the first four years will remain fixed and subsequently the rates will increase moderately with a variance account to capture energy costs in excess of the level allowed in current rates. The following is an analysis of the ASC 980-10-15-2 criteria.

Criteria	Comment	Evaluation
(a) The entity's rates for regulated services or products provided to its customers are established by or are subject to approval by an independent, third-party	Currently, IESO recognizes regulatory assets related to smart meters and PSAS transition costs as permitted by rates approved by the OEB and regulatory liabilities related to the variance accounts (eg. OESP, RPP and RRRP variance accounts) established under section 25.33 of the Electricity Act related to the procurement of energy.	Met

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Criteria	Comment	Evaluation
regulator or by its own governing board empowered by statute or contract to establish rates that bind customers.	It is important to note that both Hydro One and OPG are classified as government business enterprises and are reporting under IFRS in their consolidated financial statements, are consolidated by the modified equity method into the province's books, are regulated by the OEB, and their respective regulatory assets and liabilities are reported in the province's books.	

(b) The regulated rates are designed to recover the specific entity's costs of providing the regulated services or products	Currently, the rates approved by the OEB are designed to recover the IESO's costs of providing the regulated services and the pass-through related to the energy purchased from the generators.
	
	As mentioned above, a regulated utility subject to a deferred recovery plan is required to consider whether it continues to meet the criteria ASC 980-10-15-2 (b).
	
	This criterion requires a cause-and-effect relationship between a reporting entity's costs and its revenue. In addition, the timing of cost recovery and the related frequency of ratemaking is important. A reporting entity should consider its rate case experience, including the design of its rates and timing of recovery, when determining whether this criterion is met. These factors are analyzed below.
	
	Frequency of rate case
	
	- Currently, IESO is subject to OEB's annual reviews
	
	- Although the recovery of purchase energy costs will be frozen at the approved rate on May 1, 2017 for the first four years, the IESO will be granted a right to recover after May 1, 2021 the funding shortfall recorded in the variance account during the four-year period.
	  - *A recording of the balance in the variance account of the balance is determinative of the balance, as of the time of the recording. (We note that this confirms that there will be no prudence review by the OEB)*
	  - *Right to recover the balance recorded in the variance account.*
	  - *Obligation on the part of the OEB to dispose the variance account in accordance with the regulation*
	- Subsequent to May 1, 2021, the OEB will be required to determine and set rates payable by specified consumers to allow for IESO to recover the balance
		Met

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Criteria	Comment	Evaluation
	recorded in the variance account - *The Board shall, from time to time, determine and set rates payable by specified consumers to allow for IESO to recover the balance recorded in the variance account.* - *Despite anything to the contrary in the OEB Act, the Board may exercise any of its responsibilities under this Act without a hearing.* *Rates are designed to recover incurred costs* - There is a cause-and-effect relationship between the purchase energy costs and revenue, as IESO will be allowed to recover the costs incurred - *A recording in the variance account of the balance in the variance account is determinative of the balance as of the time of recording (We note that this confirms that there will be no prudence review)* - *Right to recover the balance recorded in the variance account.* - *Obligation on the part of the OEB to ensure IESO will recover the balance recorded in the variance account* *Periods of alternative ratemaking (e.g., rate freezes)* Evaluation of the second criterion requires additional judgment if the regulated utility is subject to any form of ratemaking that introduces uncertainty about the cause-and-effect relationship between costs and rates. A rate freeze period is defined as a fixed rate that is charged to customers during a period of time (more than two years) and the utilities are exposed to increases in operating and energy costs with no ability to recover the variances. This is not the case as IESO will be granted the right to recover fully the funding shortfall recorded in the variance account, including the first four-year period - *The Board shall, from time to time, determine and set rates payable by specified consumers to allow for IESO to recover the balance recorded in the variance account.*	

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Criteria	Comment	Evaluation
	Costs uncertainty	
	As the IESO will be granted the right to fully recover the funding shortfall recorded in the variance account, there is no uncertainty about the recovery of the costs	
	Disallowances of costs	
	The OEB has never disallowed the recovery of any material costs incurred by IESO.	
	More importantly, as the IESO will be granted by legislation the right to fully recover the funding shortfall recorded in the variance account, there is no risk of the potential disallowance of the purchase power costs.	
	Based on the analysis of the above factors, there are no indications that this criterion would not be met. The above factors establish that there will be a direct cause-and-effect relationship between IESO's costs and its future collection.	

(c) In view of the demand for the regulated services or products and the level of competition, direct and indirect, it is reasonable to assume that rates set at levels that will recover the entity's costs can be charged to and collected from customers. This criterion requires consideration of anticipated changes in levels of demand or competition during the recovery period for any capitalized costs."	The remaining criterion is whether limitations, including considering demand levels at the approved rates, on the extent of recovery of the regulatory asset could prevent the IESO from recognizing a regulatory asset for the entire balance in the recovery right granted to the IESO
	The proposed Act notes that:
	- *Effective May 1, 2017, the IESO's right to recover the balance in the variance account is subject to the following:*
	  - *The Board shall, from time to time, determine and set rates payable by specified customers to allow for IESO to recover the balance recorded in the variance account.*
	  - *IESO shall not be entitled to collect the variance account from specified consumers before May 1, 2021.*
	Although the process, especially the timing of the recovery of the regulatory asset has not been established yet by the OEB, the wording and intent of the proposed legislation is clear that it is intended by law to be recoverable over the period of 30 years. Further, given the nature and extent of customer demand for the power generated and distributed in Ontario, both at this time and projected in the future, it is reasonable to conclude that there will be sufficient demand to recover the regulatory asset. As with the other criteria, this will
		Met

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Criteria	Comment	Evaluation
	need to be continually evaluated throughout the recovery period.	

Management conclusion:

IESO management has concluded that the IESO can recognize a regulatory asset related to the variance account created by the proposed Act based on the foregoing analysis.

The variance account created by the proposed Act is subject to rate regulation by the OEB and the variance account will be established with the right to collect funds against the variance amount in the future. In these circumstances, the IESO is able to establish a regulated asset. The IESO financial statements are prepared in accordance with Canadian public sector accounting standards. Although PSAB does not provide specific guidance on rate regulated accounting, it does under PS 1150 *Generally Accepted Accounting Principles* allow for guidance to be followed from other accounting frameworks. IESO has applied guidance from United States Generally Accepted Accounting Principles (US GAAP) Topic 980, Regulated Operations in its accounting policies.

Our conclusion:

We have considered the foregoing analysis and management's conclusion. We concur that the variance account created by the proposed Act will meet the criteria for the recognition of a regulatory asset stated in ASC 980-340-25-1. Furthermore, we have also considered the criteria stated in ASC 980-10-15-2 and believe that IESO should be allowed to continue to use the guidance for regulated operations of Topic 980.

Background for issue #2

The facts, circumstances, and assumptions relevant to the specific transactions as provided to us by the management of the Company (responsible party), in addition to those described in the background for issue #1, are as follows:

1. The IESO currently has the right to collect the global adjustment ("GA") monthly from ratepayers through provisions in the Electricity Act. It is proposed that collection of a certain portion of the monthly GA be deferred in a regulatory asset for collection in the future, and that the right to recover the deferred GA from ratepayers be used as the basis for structured financing/ securitization.
2. In connection with the proposed Act, it is proposed that a trust to be created as a financial vehicle by OPG in connection with the deferred GA. The OPG Trust will finance the deferral of the GA by purchasing the regulatory asset from the IESO for the principal amount of the GA being deferred.
3. The OPG Trust is expected to finance these purchases from the IESO through a combination of senior secured financing raised in the capital markets, and subordinated financing from OPG (the funding for which will mostly be from equity injections from the OEFC/Province of Ontario).
4. OPG will be appointed as the Financial Services Manager and will be given the responsibility to direct the activities of the OPG Trust, through a services agreement and/or through the Trust's constating documents.

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Appropriate Accounting Principle for issue #2

PS1300 *Government Reporting Entity*

PSAS refer to government or government organizations. For the purpose of this analysis, the PSAS guidance below relating to government or government organizations should be read and understood as being the IESO (emphasis added).

- The government reporting entity should comprise government components and those organizations that are controlled by the government. [PS 1300.07]
- Control is the power to govern the financial and operating policies of another organization with expected benefits or the risk of loss to the government from the other organization's activities. [PS 1300.08] (emphasis added)
- Whether a government controls an organization is a question of fact that must be determined by reference to the definition of control established in paragraph PS 1300.08 and the particular circumstances of each case. The determination of the fact that control exists will require the application of professional judgment. Government achieves its objectives through a wide range of organizations which individually will fall somewhere along a continuum. At one end of the continuum, it will be clear that an organization does not have the power to act independently and is controlled by the government. At the other end, the organization will have the power to act independently and, while government will have a level of influence on the organization, it will be clear that it does not have control. Along the continuum, consideration needs to be given to the nature of the relationship between the government and the organization in order to determine whether control exists. This Section provides guidance intended to assist in this assessment. [PS 1300.10]
- In applying this guidance, it is necessary to determine the substance of the relationship between the government and the organization. The true nature of certain relationships may not be completely reflected by their legal form. All relevant aspects and implications of the relationship would be considered in determining whether or not the government controls the organization. Where various aspects of the relationship are designed, in effect, to achieve an overall objective, they would be viewed as a whole. [PS 1300.11]
- Financial and operating policies are principles and practices that determine how an organization conducts its activities. The ability to govern these policies is an important element of government control because it establishes the fundamental basis for the conduct of the organization's operations and the achievement of its mission and mandate. [PS 1300.13]
- There are a variety of ways to govern the financial and operating policies of an organization. For example:
  - (a) a government may establish an organization's fundamental purpose and eliminate or significantly limit the ability of the organization to make future decisions by predetermining the financial and operating policies of the organization;
  - (b) a government may direct the financial and operating policies of an organization on an ongoing basis; or
  - (c) a government may veto, overrule or modify the financial and operating policies established by an organization. [PS 1300.14]
- A government does not need to manage an organization's activities on a day-to-day basis to control the organization. It is the government's existing authority to determine the policies governing those activities that is important. [PS 1300.15]

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- For the purposes of this Section, it is assumed that where the government has the power to govern the financial and operating policies of an organization, it expects to derive a financial or non-financial benefit. The government may also be exposed to the risk of loss. (PS 1300.16)

Issue #2: Is the trust to be established by Ontario Power Generation (the "OPG Trust") controlled by the IESO according to the guidance issued under PSAS 1300 *Government Reporting Entity* and, therefore, subject to consolidation by IESO?

Under PSAS, IESO is required to consolidate all entities that are considered to be part of its reporting entity, applying the guidance provided in *Section PS 1300 Government Reporting Entity*. Under PS 1300, IESO must consolidate all entities it "controls".

In determining whether or not the OPG Trust should be consolidated by IESO, it must first be determined whether or not the IESO exercises control as a consequence of power to govern the financial and operating policies of the OPG Trust resulting in expected benefits to the IESO or the risk of loss from the activities of the OPG Trust.

PS 1300.17 indicates that "whether a government controls an organization is a question of fact that requires the application of professional judgment based on the definition of control in this Section and the substance of the relationship in each case." Under PS 1300.08 control is defined as "the power to govern the financial and operating policies of another organization with expected benefits or the risk of loss to the government from the other organization's activities". Therefore, the determination of whether IESO will consolidate the OPG Trust will be based on an assessment of whether IESO is considered to control the OPG Trust based on the indicia of control set out in PS 1300. The assessment of the IESO's control of the OPG Trust is made based on the proposed Act, facts and nature of the relationship between the IESO and the OPG Trust and based on facts and assumptions provided by IESO. PS 1300.18 and .19 set out 11 potential indicia of control. Several of these indicia have been categorized as more persuasive of a finding of control (see the first four indicators in the table below). For each indicator that applies, the degree of government influence would determine its importance as evidence of control. Finally, the indicia are considered both collectively and individually.

A detailed analysis of the 11 indicators of control is provided in the following table.

INDICATOR OF CONTROLS	EVIDENCE OF CONTROL	CONTROL EXIST?
Primary (more persuasive) indicators (PS 1300.18):		
Government has the power to unilaterally appoint or remove a majority of the members of the governing body of the organization	- The proposed Act states: - *OPG is appointed as the Financial Services Manager for the purposes of this Act. (Section 13xx)* - *The Financial Services Manager shall perform the duties assigned to it under this Act and may administer the investment asset on behalf of the investment interest owners. (Section 14xx (1))* - *Subject to any prescribed limitations, the Financial Services Manager may establish and charge fees to recover the costs of doing anything the*	No

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INDICATOR OF CONTROLS	EVIDENCE OF CONTROL	CONTROL EXIST?
	Financial Services Manager is required or permitted to do under this or any other Act, and any other type of expenditure, the recovery of which is permitted by the regulations. (Section 14xx (3)) - The Electricity Act, 1998 (EA) will be amended as follows. - *In addition to the objects mentioned in subsection (1), the objects of OPG include exercising the powers and rights and performing the duties and obligations assigned to it under the Ontario Fair Hydro Plan Act, 2017 and engaging in activities to facilitate the implementation of that Act, including entering into contracts and undertakings on behalf of financing entities and performing other services on behalf of financing entities, subject to the right to be paid by the financing entities for those services." (Section 53.1 (1.1))* - *"OPG may create or invest in one or more subsidiaries, trusts, partnerships or special purpose entities in order to more efficiently conduct its activities or achieve its objects." (Section 53.1 (1.2))* - OPG will establish a trust to manage the collection of the regulatory asset and related financing and administrative expenses. The Board of Trustees of the OPG Trust will be the governing body of the Trust and will be appointed by OPG. OPG will have the power to unilaterally appoint or remove all members of the Board of Trustees. - The IESO will not have any rights in respect of the appointment or replacement of the Board of Trustees of the OPG Trust.	
Government has ongoing access to the assets of the organization, has the ability to direct the ongoing use of those assets, or has ongoing responsibility for losses	- Section 23xx of the proposed Act states: - *A transfer of a specified portion of the regulatory asset under section 22xx constitutes a valid and enforceable absolute assignment, conveyance and sale of the corresponding investment interest to the transferee.* - *Without limiting subsection (1), any transfer agreement that states an intention of the parties for*	No

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INDICATOR OF CONTROLS	EVIDENCE OF CONTROL	CONTROL EXIST?
	IESO to dispose of a specified portion of the regulatory asset and to assign, convey or sell a corresponding investment interest shall be treated for all purposes as an absolute assignment, conveyance, disposition and sale of IESO's right to recover the corresponding amount in the variance account and not merely as a security interest. - *At the time a transfer of the regulatory asset is made under section 22xx, the transfer shall be deemed to have been and shall be perfected, vested, valid and binding as against the transferor and all other persons who have claims of any kind against the transferor.* - Based on the proposed Act, *upon transfer by IESO of a portion of the regulatory asset to the OPG Trust, the investment asset resulting from the transfer is immediately vested in the OPG Trust, free and clear of any adverse claim.* (Section 24xx (1.1)) - Therefore, upon transfer of the regulatory asset to the OPG Trust, IESO will no longer have access/ability to direct the regulatory asset nor have the ongoing responsibility for losses. - The credit risk related to the collection of the investment asset is borne by the OPG Trust.	
Government holds the majority of the voting shares or a "golden share" that confers the power to govern the financial and operating policies of the organization	- IESO will not have any ownership in the OPG Trust and will not have the power to govern the financial and operating policies of the OPG Trust.	No
Government has the unilateral power to dissolve the organization and thereby access its assets and become responsible for its obligations	- IESO will not have the power to dissolve the organization.	No

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INDICATOR OF CONTROLS	EVIDENCE OF CONTROL	CONTROL EXIST?
Other indicators that may provide evidence of control exist when government has the power to (PS 1300.18):		
Provide significant input into the appointment of members of the governing body of the organization by appointing a majority of those members from a list of nominees provided by others or being otherwise involved in the appointment or removal of a significant number of members	- OPG will have the power to unilaterally appoint or remove all members of the Board of Trustees of the OPG Trust. - IESO will not provide input in the appointment of members of the Board of Trustees.	No
Appoint or remove the CEO or other key personnel	- OPG will have the power to unilaterally appoint or remove all members of the Board of Trustees of the OPG Trust and other key personnel.	No
Establish or amend the mission or mandate of the organization	- The Trust will be established by OPG and the mandate of the Trust will be set based on the proposed Act.	No
Approve the business plans or budgets for the organization and require amendments, either on a net or line-by-line basis	- The proposed Act states: - *OPG is appointed as the Financial Services Manager for the purposes of this Act. (Section 13xx)* - *"The Financial Services Manager shall prepare a written plan entitled the Financing Plan to be used by the Financial Services Manager to evaluate whether potential funding obligations should be incurred for the purposes of acquiring and financing an investment asset in accordance with this Act or for the purposes of refinancing a funding obligation." (Section 16 (1))* - OPG is the Financial Services Manager, not IESO. - IESO is not involved in the preparation or approval of the business plans or budget of the OPG Trust.	No
Establish borrowing or investment limits or restrict the organization's investments	- Section 17 of the proposed Act states: - *The Financial Services Manager shall ensure that funding obligations incurred for the purposes*	No

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INDICATOR OF CONTROLS	EVIDENCE OF CONTROL	CONTROL EXIST?
	of this Act are incurred in a manner that is consistent with the applicable Financing Plan. - OPG not IESO, is responsible for ensuring that the borrowings of the OPG Trust meet the above conditions.	
Restrict the revenue-generating capacity of the organization, notably the sources of revenue	- N/A	No
Establish or amend the policies that the organization uses to manage, such as those relating to accounting, personnel, compensation, collective bargaining or deployment of resources	- As mentioned above, OPG will be granted by legislation the power to establish or amend the policies of the OPG Trust and the ability to appoint and remove all members of the Board of Trustees	No

Management Conclusion:

IESO management has concluded that the OPG Trust to be established would not be controlled by the IESO and therefore is not subject to consolidation by the IESO.

Based on the foregoing analysis of the 11 indicators of control as defined in Section PS 1300 *Government Reporting Entity*, considered both individually and collectively there is no evidence of control by the IESO in respect of the OPG Trust. The IESO will not have the power to govern the Trust, nor have ongoing access to Trust's assets. The IESO will also not have any voting shares or future rights to the Trust nor the power to dissolve the Trust. Without control, the Trust is not subject to consolidation within the IESO financial statements.

Our Conclusion:

We have considered the foregoing analysis and management's conclusion. We concur that based on the Proposed Act, none of the four primary (more persuasive) indicators of control are considered to be met, and none of the seven other indicators of control are considered to be met. Accordingly, we concur that the IESO does not control the OPG Trust under the proposed Act and hence would not consolidate the OPG Trust.

The adoption of the proposed Act (including the subsequent amendments of the Electricity Act and the OEB Act) and the finalization of the financing structure (including the bylaws and regulations of the OPG Trust) and other agreements will take several weeks. Accordingly, our judgment on the appropriate application of PSAS to the conclusion on control may change subject to further analysis of any changes to the terms of the proposed Act or review of the final regulations, financing structure and other agreements.

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Background for issue #3

The facts, circumstances, and assumptions relevant to the specific transactions as provided to us by the management of the Company (responsible party), in addition to those described in the background for issues #1 and 2, are as follows:

1. The total IESO funding shortfall for the period from May 1, 2017 to April 30, 2047 is estimated at $28 billion plus interest and will be recorded by the IESO in a variance account recognized as a regulatory asset.
2. The IESO does not currently have the financial capability to finance the regulatory asset and will transfer the variance account to an investment asset owner (i.e. OPG Trust) on a monthly basis.
3. The IESO will obtain a written legal opinion as to the validity and enforceability of the transfer and sale of the regulatory asset.
4. Based on an assessment of control performed under the issue #2, IESO will not consolidate the OPG Trust. We understand that an assessment of control under International Financial Reporting Standards ("IFRS") has been performed by OPG and they have concluded that the OPG Trust will be consolidated by OPG; we note that the financial reporting framework used by OPG in preparing its financial statements for consolidation into the Province's books is IFRS.
5. The Electricity Act, OEB Act and other regulations will be amended to reflect the following *extracts from the proposed Act*:

   Section 11xx IESO to receive amounts

   (2) The IESO shall, as an agent of the investment interest owners, receive amounts in respect of the clean energy adjustment paid to it from electricity vendors in accordance with the regulations and the market rules made under section 32 of the *Electricity Act, 1998*.

   (4) All amounts received by the IESO in respect of the clean energy adjustment shall, until paid to or for the benefit of the investment interest owner, be received and held in trust by the IESO for the investment interest owners.

   (5) The IESO shall remit amounts received by it in respect of the clean energy adjustment, inclusive of interest earned on the accounts referred to in subsection (2), to or for the benefit of the investment interest owners in accordance with the regulations.

   Section 12xx Pro rating of payments

   (3) If an electricity vendor receives a payment made by or on behalf of a specified consumer in respect of amounts payable under one or more invoices and the amount paid is less than the total amount payable, the electricity vendor shall allocate the payment on a pro rata basis to the clean energy adjustment and other amounts payable under the relevant invoices in respect of electricity charges in respect of the same invoice period.

   Section 22xx Transfer of regulatory asset

   (1) The IESO may from time to time, in accordance with this Act and the regulations, transfer a specified portion of the regulatory asset to a financing entity in accordance with this section.

   (2) An agreement between the IESO and a financing entity in relation to the transfer of a specified portion of the regulatory asset shall provide for consideration of a payment by the financing entity to the IESO in an amount equal to the amount of the specified portion.

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(3) Upon receipt by the IESO of the payment by the financing entity

(a) the balance in the variance account shall be reduced by the amount of the payment;

(b) the regulatory asset shall be adjusted accordingly.

(c) the financing entity shall acquire a corresponding investment interest; and

(d) the IESO shall retain no further right, title or interest in the investment interest

Section 23xx Validity of transfer

(1) A transfer of a specified portion of the regulatory asset under section 22xx constitutes a valid and enforceable absolute assignment, conveyance and sale of the corresponding investment interest to the transferee.

(2) Without limiting subsection (1), any transfer agreement that states an intention of the parties for IESO to dispose of a specified portion of the regulatory asset and to assign, convey or sell a corresponding investment interest shall be treated for all purposes as an absolute assignment, conveyance, disposition and sale of IESO's right to recover the corresponding amount in the variance account and not merely as a security interest.

(3) At the time a transfer of the regulatory asset is made under section 22xx, the transfer shall be deemed to have been and shall be perfected, vested, valid and binding as against the transferor and all other persons who have claims of any kind against the transferor.

(4) Subsection (3) applies regardless of whether the persons who have claims have received notice of the transfer and the property rights and interests acquired by the transferee shall have priority over any liens in favour of those persons

Section 25xx Investment asset established

(1) The investment asset constitutes a current and irrevocable property right and interest consisting, collectively, of the following rights and interests of investment interest owners:

1. The right and interest to impose, invoice, collect, receive and recover the clean energy adjustment from specified consumers, including the right to determine the clean energy adjustment in accordance with this Act.

2. The right to receive, collect and recover the clean energy adjustment that are imposed, invoiced and recoverable under this Act, including any amounts in respect of the clean energy adjustment that are held by electricity vendors, IESO and other prescribed parties.

Section 26xx Transfer of investment interest

(2) An investment interest owner may transfer all or a portion of an investment interest to any other investment interest owner, including by way of a transfer of a divided or an undivided interest, in accordance with the Financing Plan.

Section 28xx Investment interest owner may grant security interest

(1) An investment interest owner may grant a security interest over all or a specified portion of its right, title and interest in, to and under the investment interest to or in favour of any person to secure a funding obligation.

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(3) All provisions of the Personal Property Security Act shall apply to the investment asset and each investment interest on the basis that the investment asset and each investment interest is intangible personal property, except as otherwise provided for in this section, and any granting of a security interest by an investment interest owner to secure a funding obligation shall, subject to the terms of the funding obligation, give rise to a security interest in respect of which that Act applies and may be perfected by filing a financing statement under that Act on that basis.

6. The terms of the transfer agreement between the IESO and the OPG Trust that will be signed and executed upon transfer of the regulatory assets will be in compliance with the dispositions of the proposed Act.

Appropriate Accounting Principle for Issue #3

The Derecognition Section of ASC 980-20-40 provides guidance on determining whether and when an entity should remove an item from the financial statements. For example, the entity would derecognize an asset because it no longer has rights to the asset or it would derecognize a liability because it no longer has any obligation. [ASC 980-20-40]

Failure of an entity's operations to continue to meet the criteria in paragraph 980-10-15-2 can result from different causes. Examples include the following:

(e) Deregulation

(f) A change in the regulator's approach to setting rates from cost-based rate-making to another form of regulation.

(g) Increasing competition that limits the entity's ability to sell utility services or products at rates that will recover costs (as used in paragraph 980-10-15-2)

(h) Regulatory actions resulting from resistance to rate increases that limit the entity's ability to sell utility services or products at rates that will recover costs if the entity is unable to obtain (or chooses not to seek) relief from prior regulatory actions through appeals to the regulator or the courts. [ASC 980-20-15-2]

PS1000 *Financial statement concepts:*

- This Section is to be used by preparers and auditors of financial statements in exercising their professional judgment as to the application of generally accepted accounting principles and in establishing accounting policies in areas in which accounting principles are developing. [PS1000.03]
- Financial statements should communicate information that is relevant to the needs of those for whom the statements are prepared, reliable, comparable, understandable and clearly presented in a manner that maximizes its usefulness. [PS1000.24]
- An item is not an asset of a government if it lacks one or more of the essential characteristics listed in the preceding paragraph [PS3210.04]. Thus, for example, an item does not qualify as an asset of a government if the item involves

  (a) no future economic benefit;

  (b) future economic benefit, but the government cannot obtain it; or

  (c) future economic benefit that the government may obtain, but the events or circumstances that give the government control of the benefit have not yet occurred. [PS1000.37]

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PS3210 *Assets*:

- Assets are economic resources controlled by a public sector entity as a result of past transactions or events and from which future economic benefits are expected to be obtained. [PS3210.03]
- Assets have three essential characteristics:
  (a) They embody future economic benefits that involve a capacity, singly or in combination with other assets, to provide goods and services, to provide future cash inflows, or to reduce cash outflows.
  (b) The public sector entity can control the economic resource and access to the future economic benefits.
  (c) The transaction or event giving rise to the public sector entity's control has already occurred [PS3210.04]
- Control of an economic resource and of access to the future economic benefits are essential characteristics of an asset, whereas possession or ownership is not. [PS3210.22]

PS3430 *Restructuring transactions*

- Individual assets and liabilities transferred in a restructuring transaction should be derecognized by the transferor if they no longer meet the definitions of assets and liabilities and applicable recognition criteria at the restructuring date. [PS3430.21]
- When a transferor continues to be involved in the individual assets and/or liabilities it transferred to a recipient subsequent to the restructuring date, it would assess the nature and extent of its continued involvement against the definitions of assets and liabilities and applicable recognition criteria to evaluate whether:
  (a) derecognition of the asset and liability transferred would be appropriate; and
  (b) its continued involvement gives rise to a new asset or new liability that needs to be recognized. [PS3430.24]
- A new asset or new liability may arise from a restructuring due to a transferor's continued involvement in the individual assets and liabilities transferred (for example, if it agrees to guarantee repayment of all or a portion of a transferred liability or leases back a portion of a transferred asset). As the new asset or new liability is not transferred, together with related program or operating responsibilities, they are not part of the restructuring transaction. They would be accounted for in accordance with individual Sections of the PSA Handbook by both the transferors and recipients. [PS3430.25]

[This Section applies to fiscal years beginning on or after April 1, 2018.] [Earlier adoption is permitted.]

Issue #3: What is the accounting treatment for derecognition of the regulatory asset by the IESO upon transfer of the variance account to the OPG Trust?

Although ASC 980-20-40 states that

"Derecognition Section provides guidance on determining whether and when an entity should remove an item from the financial statements. For example, the entity would derecognize an asset because it no longer has rights to the asset or it would derecognize a liability because it no longer has any obligation."

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Subtopic 980-20 relates to discontinuation of rate-regulated accounting when an entity no longer meets the criteria in paragraph 980-10-15-2. ASC 980-20-15-2 provides examples of when an entity no longer meets the criteria, including deregulation and change of the form of regulation. Thus, ASC 980 does not provide clear guidance for the derecognition of a regulatory asset other than in connection with the discontinuation of rate-regulated accounting.

The above guidance in ASC 980-20-40 provides general principles for the derecognition of assets.

It should also be noted that PSASs provide limited guidance on derecognition of non-financial assets and liabilities. Section 3430 *Restructuring transactions*, which is applicable for fiscal years on or after April 1 2018 with early application permitted, has guidance for the derecognition of assets and liabilities:

- Paragraph 21 states that individual assets and liabilities transferred in a restructuring transaction should be derecognized by the transferor if they no longer meet the definitions of assets and liabilities and applicable recognition criteria at the restructuring date.
- As stated in paragraph 24, when a transferor continues to be involved in the individual assets and/or liabilities it transferred to a recipient subsequent to the restructuring date, it would assess the nature and extent of its continued involvement against the definitions of assets and liabilities and applicable recognition criteria to evaluate whether derecognition of the asset and liability transferred would be appropriate and whether its continued involvement gives rise to a new asset or new liability that needs to be recognized.

Recognizing the proposed transaction is not a restructuring transaction, Section 3430, which has recently been issued by PSAB, provides current evidence of thinking in the application of the general PSAS principles in respect of the recognition and derecognition of assets and liabilities. Accordingly, the analysis as to whether the regulatory asset transferred to the OPG Trust can be derecognized is based on the foregoing guidance.

Criteria for the recognition of an asset

PS3210.03 states that assets are economic resources controlled by a public sector entity as a result of past transactions or events and from which future economic benefits are expected to be obtained. More generally, PSAS PS1000.37 suggests that an asset would no longer be recognized when it fails to meet the definition of an asset.

Criteria	Comment	Evaluation
Assets (PS3210.04/ PS1000.36) Assets have three essential characteristics: (a) They embody future economic benefits that involve a capacity, singly or in combination with other assets, to provide goods and services, to provide future cash inflows,	Based on the guidance, the regulatory asset does not qualify as an asset of IESO if it cannot obtain the future economic benefits. Upon transfer of the regulatory asset, IESO will have no further rights or obligations in connection with the asset transferred. - *IESO may from time to time, in accordance with this Act and the regulations, transfer a specified portion of the regulatory asset to a financing entity in accordance with this section.* - *Upon receipt by IESO of the payment by the financing entity, IESO shall retain no further right, title or interest in the corresponding investment interest.*	Not Met

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Criteria	Comment	Evaluation
or to reduce cash outflows. (b) The public sector entity can control the economic resource and access to the future economic benefits. (c) The transaction or event giving rise to the public sector entity's control has already occurred. *Financial statement concepts (PS1000.37)* An item is not an asset of a government if it lacks one or more of the essential characteristics listed in the preceding paragraph [see above]. Thus, for example, an item does not qualify as an asset of a government if the item involves: (a) no future economic benefit (b) future economic benefit, but the government cannot obtain it.	- *A transfer of a specified portion of the regulatory asset under section 22xx constitutes a valid and enforceable absolute assignment, conveyance and sale of the corresponding investment interest to the transferee.* - *Without limiting subsection (1), any transfer agreement that states an intention of the parties for IESO to dispose of a specified portion of the regulatory asset and to assign, convey or sell a corresponding investment interest shall be treated for all purposes as an absolute assignment, conveyance, disposition and sale of IESO's right to recover the corresponding amount in the variance account and not merely as a security interest.* - *At the time a transfer of the regulatory asset is made, the transfer shall be deemed to have been and shall be perfected, vested, valid and binding as against the transferor and all other persons who have claims of any kind against the transferor."* Upon transfer of the regulatory asset, the OPG Trust will have the right to sell the asset to another party or to grant a security interest in favour of any person to secure a funding obligation. - *Upon transfer, the financing entity becomes an investment asset owner and acquires an investment interest."* - *An investment interest owner may transfer all or a portion of an investment interest to any other investment interest owner, including by way of a transfer of a divided or an undivided interest, in accordance with the Financing Plan.* - *An investment interest owner may grant a security interest over all or a specified portion of its right, title and interest in, to and under the investment interest to or in favour of any person to secure a funding obligation.* Based on the proposed Act, it is clear that IESO will have no rights to the benefits associated with the future cash inflows related to the regulatory asset as it will have transferred its right to recover the IESO funding shortfall to the OPG Trust. Further, it is also clear that IESO will have lost control over the regulatory asset once it is transferred to OPG Trust.	

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Management conclusion:

IESO management has concluded that the regulatory asset will be derecognized upon transfer of the variance account to the OPG Trust.

The transfer of the variance account transfers the control and the benefits associated with the right to collect funds in the future against the variance amount to the OPG Trust. This will eliminate the IESO asset by the amount of the transfer as the IESO will no longer control an economic resource or have access to future economic benefits for that amount. The funds collected from the transfer will in turn reduce the associated debt held by the IESO, maintaining the IESO's net $ nil balance in the market accounts.

Our conclusion:

We have considered the foregoing analysis and management's conclusion. We concur that the regulatory asset should be derecognized on transfer to the OPG Trust as IESO no longer has rights or future economic benefits associated with the asset.

Other Matters

The ultimate responsibility for the decision on the appropriate application of PSAS for the specific transactions rests with management as preparers of the financial statements. Our judgment on the appropriate application of PSAS for the specific transaction is based solely on the facts, circumstances and assumptions provided to us as described above. Should these facts and circumstances differ, our conclusion may change.

This letter has been prepared in draft form and will be updated upon receipt of the adopted legislation (including the amendments of the Electricity Act and the OEB Act) and finalized financial structure (including the bylaws and regulations of the OPG Trust) and other relevant agreements necessary for us to provide our final opinion, of which legislation and other relevant agreements are expected to be enacted/ finalized on or before June 30, 2017. This letter will not be updated as a consequence of pronouncements by the Public Sector Accounting Board, or any other authoritative bodies, that occur subsequent to the date of this letter.

This letter is intended solely for the information and use of the Board of Directors and management of the Company, and is not intended to be and should not be used, quoted, relied upon by, or otherwise referred to by anyone other than these specified parties or for any other purpose.

No one other than the Board of Directors and management of the Company is authorized by KPMG to rely upon any information or views expressed herein. KPMG shall have no responsibility or liability for loss or damages or claims, if any, to or by any third party as this letter has not been prepared for, and is not intended for, and should not be used by, any third party or for any other purpose.

Yours very truly,

per Michel Picard
Partner
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mpicard@kpmg.ca

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Appendix A:
Draft of the Ontario Fair Hydro Plan Act, 2017

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A proposal to create Legislation.

Ontario Fair Hydro Plan Act, 2017, if enacted

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A proposal to create Legislation.

Ontario Fair Hydro Plan Act, 2017, if enacted

EXPLANATORY NOTE TO BE ADDED BY LEGISLATIVE COUNSEL TO ANY FINAL BILL PRIOR TO INTRODUCTION.

Preamble

The Government of Ontario is committed to fostering the development of a clean, modern and reliable electricity system with a diverse supply mix. The Government is also committed to removing barriers to and promoting opportunities for renewable and clean energy projects.[1] These commitments can only be achieved if costs are shared fairly among consumers, today and in the future.

Electricity rates have risen for two key reasons. First, decades of under-investment in the electricity system resulted in the need to invest more than $50 billion in generation, transmission and distribution assets to ensure the system is clean and reliable. Second, the decision to eliminate Ontario's use of coal and produce clean, renewable power has created additional costs.

The actions taken to achieve a clean, modern and reliable electricity system have resulted in significant costs to residential consumers. The burden of financing these system improvements and funding key programs has unfairly fallen almost entirely on the shoulders of those consumers.

The Government of Ontario is committed to ensuring that the costs of financing these investments and the associated charges to consumers are allocated fairly among present and future generations.

Recognizing that the electricity infrastructure that has been built and the policy decisions that have been made will create benefits for years to come, costs should be allocated fairly over time, so that residential consumers in the future pay their fair share for the benefits that they receive from the investments already made.

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[1] FLS: please see the preamble of the *Green Energy Act, 2009*.

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PART I
GENERAL

Interpretation
Definitions
1xx. (1) In this Act,

"Board" means the Ontario Energy Board; ("French")

"clean energy adjustment" means the amount determined under section 10xx and payable by specified consumers; ("French")

"clean energy benefits" means the value of the benefits determined to be derived by or accruing to specified consumers as a result of the clean energy initiative, including as a result of clean energy costs; ("French")

"clean energy costs" means the value of the costs allocated to specified consumers as a result of the clean energy initiative, including as a result of past, present and expected costs incurred in respect of,

(a) the amounts to be paid or reflected by IESO in adjustments made under section 25.33 of the *Electricity Act, 1998* or any provision that is the successor to that provision, which relate to contracts or amounts for,

(i) renewable energy generation or capacity,

(ii) conservation and demand management,

(iii) energy storage,

(iv) energy efficiency,

(v) natural gas generation and capacity, excluding contracts relating to amounts payable by IESO under section 78.2 of the *Ontario Energy Board Act, 1998* and excluding such other contracts as may be prescribed,

(b) payments made or expected to be made under section 78.5 of the *Ontario Energy Board Act, 1998*, and

(c) such other costs or estimated costs as may be prescribed; ("French")

"clean energy initiative" means the policies of the Government of Ontario related to,

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(a) eliminating coal generation and fostering the growth of and investment in clean, modern and reliable energy sources and technologies.

(b) removing barriers to and promoting opportunities for clean and renewable energy sources and technologies.

(c) promoting conservation, demand management and energy efficiency, and

(d) investing in energy infrastructure to ensure a clean, modern and reliable system; ("French")

"electricity vendor"[2] means,

(a) a licensed distributor,

(b) a licensed retailer,

(c) IESO in circumstances where it directly invoices a specified consumer for electricity used in Ontario, or

(d) such other person as may be prescribed; ("French")

"fair allocation amount" means an amount calculated under section 15xx; ("French")

"finance amount" means the finance amount determined in accordance with the regulations; ("French")

"financing entity" means an entity established or caused to be established as described in subsection 17xx (3); ("French")

"Financial Services Manager" means the Financial Services Manager appointed under section 13xx; ("French")

"Financing Plan" means a plan prepared under section 16xx; ("French")

"funding obligation" means a payment obligation incurred by or on behalf of an investment interest owner to fund its ownership of an investment interest or a payment obligation that meets such other criteria as may be prescribed; ("French")

[2] FLS - this is similar to the definition of "electricity vendor" in the Ontario Rebate for Electricity Consumers Act, 2016

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"funding rebate" means a payment obligation incurred by IESO as part of the transfer of the regulatory asset; ("French")

"IESO" means the Independent Electricity System Operator continued under Part II of the *Electricity Act, 1998*; ("SIERE")

"IESO deferral" means the amount determined under section 20xx; ("French")

"investment asset" means the rights and interests described in section 25xx; ("French")

"investment interest owner" means a financing entity that has acquired and holds an investment interest; ("French")

"investment interest" means,

(a) an ownership interest in the investment asset, and

(b) in circumstances where the ownership interest is transferred, the rights and benefits specified in the agreement under which the interest is transferred; ("French")

"licensed distributor" means a person licensed under Part V of the *Ontario Energy Board Act, 1998* to own or operate a distribution system within the meaning of the *Electricity Act, 1998*; ("French")

"licensed retailer" means a person who is licensed under Part V of the *Ontario Energy Board Act, 1998* to retail electricity; ("French")

"Minister" means the Minister of Energy or such other member of the Executive Council as may be assigned the administration of this Act under the *Executive Council Act*; ("ministre")

"Ontario Power Generation Inc." means the corporation incorporated as Ontario Power Generation Inc. under the *Business Corporations Act* on December 1, 1998; ("Ontario Power Generation Inc.")

"prescribed" means prescribed by the regulations; ("prescrit")

"reference period" means,

(a) the period beginning on July 1, 2017 and ending on October 31, 2017, and

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(b) during the period beginning on November 1, 2017 and ending on April 30, 2047 or ending on such later day as may be prescribed,

(i) every six-month period following the period mentioned in clause (a); or

(ii) any period shorter than six months, as may be prescribed; ("French")

"refinancing" means, subject to the regulations, the incurrence of debt in connection with a redemption, repayment or repurchase of a funding obligation; ("French")

"regulation" means a regulation made under this Act; ("règlement")

"regulatory asset" means the right and interest established under section 21xx; ("French")

"specified consumer" means,

(a) a person who has an account with an electricity vendor for the supply of electricity in Ontario and meets the criteria set out in subsection (2); or

(b) such other person as may be prescribed; ("French")

"transfer" includes, when used in relation to an investment interest, the assignment, conveyance, disposition or sale of the investment interest; ("French")

"true up amount" means a true up amount determined in accordance with the regulations; ("French")

"unit sub-metering" has the same meaning as in the *Energy Consumer Protection Act, 2010*; ("activités liées aux compteurs divisionnaires d'unité")

"unit sub-meter provider" has the same meaning as in the *Energy Consumer Protection Act, 2010*; ("fournisseur de compteurs divisionnaires d'unité")

"variance account" means the variance account established by IESO under subsection 20.1xx (1). ("French")

Specified consumer

(2) For the purposes of clause (a) of the definition of "specified consumer" in subsection (1), the person must meet any one of the following criteria:

1. The person has a demand for electricity of 50 kilowatts or less, or such other amount as may be prescribed.

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2. The person annually uses not more than 250,000 kilowatt hours of electricity, or such other amount as may be prescribed.

3. The person carries on a business that is a farming business for the purposes of the *Farm Registration and Farm Organizations Funding Act, 1993* and either holds a valid registration number assigned under that Act or has had the obligation to file a farming business registration form waived pursuant to an order made under subsection 22 (6) of that Act.

4. The person's account with the electricity vendor relates to,

   i. a dwelling,

   ii. a property within the meaning of the *Condominium Act, 1998*,

   iii. a residential complex within the meaning of subsection 2 (1) of the *Residential Tenancies Act, 2006*, without regard to section 5 of that Act, or

   iv. a property that includes one or more housing units and that is owned or leased by a co-operative within the meaning of the *Co-operative Corporations Act*.

5. The person satisfies such criteria as may be prescribed.

Transfer of regulatory asset

(3) In this Act, a reference to the transfer of a specified portion of the regulatory asset is a reference to the following, as provided for in subsection 22xx (3):

1. A reduction in the balance in the variance account.

2. The adjustment of the regulatory asset.

3. The acquisition by a financing entity of the investment interest corresponding to the specified portion of the regulatory asset.

Effect of invalidity, etc.[3]

2xx. (1) For greater certainty, all of the provisions of this Act remain in full force and effect, even if one or more provisions are held to be invalid, the intention of the

[3] FLS: this is from the *Climate Change Mitigation and Low-carbon Economy Act, 2016*

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Legislature being to give separate and independent effect to the extent of its powers to every provision contained in this Act.

Same, funding obligation

(2) The fact that any provision of this Act is held to be invalid or ceases to be in effect for any reason does not affect the validity or enforceability of a funding obligation incurred before the day that the provision is held to be invalid or ceases to be in effect, or any rights or obligations associated with the funding obligation.

Purpose

3xx. (1) The purposes of this Act are,[4]

(a) to ensure that clean energy costs and clean energy benefits are fairly allocated among present and future specified consumers;

(b) to recognize that clean energy benefits have accrued and will accrue over time and will continue to benefit present and future electricity consumers in the Province; and

(c) to align clean energy costs with clean energy benefits, in order to provide fairness for specified consumers.

Crown bound

4xx. This Act binds the Crown.

Protection and assurances

Prohibition

5xx. (1) No action or omission by the Board, the Minister or the Crown shall be effective to reduce, impair, postpone or terminate the obligations of specified consumers to pay amounts in respect of the clean energy adjustment or to impair or postpone the invoicing, collection or remittance of the clean energy adjustment.

Agreements

(2) The Minister and the Minister of Finance may together, with the approval of the Lieutenant Governor in Council, enter into agreements on behalf of the Province of Ontario with any person in respect of this Act, including agreements regarding the performance of IESO or electricity vendors under this Act or similar transactions.

Guarantee, indemnification

(3) The Lieutenant Governor in Council may by order,

[4] FLS: Please see the *Electricity Act, 1998* for much of the wording proposed in this section.

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(a) authorize the Minister and the Minister of Finance, acting together on behalf of the Province,

(i) to agree to guarantee or indemnify any debts, obligations, securities or undertakings associated with an investment interest, and

(ii) to determine terms and conditions of the guarantee or indemnity and the maximum liability for the guarantee or indemnity;

(b) specify terms and conditions that must be included in any guarantee or indemnity given by the Minister and the Minister of Finance; and

(c) specify a maximum liability for the guarantee or indemnity.

PART II
FAIR ADJUSTMENT

Definitions

6xx. In this Part,

"regulated rate consumer" means a specified consumer who meets the following criteria:

1. The consumer is a member of the class of consumers prescribed by the regulations made under the *Ontario Energy Board Act, 1998* for the purposes of subsection 79.16 (1) of that Act.

2. The consumer would, if the consumer were not subject to this Act, be invoiced the rate determined by the Board under clause 79.16 (1) (b) of the *Ontario Energy Board Act, 1998*. ("French")

Regulated rate consumer, first adjustments

6.1xx (1) Despite any order under subsection 78 (3.1) of the *Ontario Energy Board Act, 1998* and despite section 79.16 of that Act, the electricity rates payable by regulated rate consumers for the period beginning on July 1, 2017 and ending on April 30, 2018 are the rates, as determined by the Board, that would achieve the following outcome: a fictional regulated rate consumer who meets the prescribed criteria would be charged an invoice amount that is 25 per cent less than the invoice amount that would have been charged to that consumer under the comparison rates described in subsection (2).

Comparison rates

(2) The comparison rates are the rates that would have been effective May 1, 2017 if they had been determined by the Board solely using the method prescribed by the

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regulations made under clause 79.16 (1) (b) of the *Ontario Energy Board Act, 1998*, without taking into account any forecasted impact of any other provisions of this Act.

Invoice amounts

(3) Each invoice amount mentioned in subsection (1) shall be determined in accordance with the regulations.

Other specified consumers, first adjustment

6.2xx (1) For the period beginning on July 1, 2017 and ending on April 30, 2018, the adjustments made by the IESO under section 25.33 of the *Electricity Act, 1998* shall, with respect to specified consumers who are not regulated rate consumers, be further adjusted by electricity vendors in accordance with the determinations of the Board under subsection (2).

Board to make determinations

(2) The Board shall, in accordance with the regulations, determine the adjustments to be made by electricity vendors.

Same, regulations

(3) The regulations may specify different adjustments to be made in respect of prescribed classes of specified consumers who are not regulated rate consumers.

Determinations by Board

6.3xx The Board shall make the determinations mentioned in sections 6.1xx and 6.2xx no later than fifteen business days after the day this section receives Royal Assent and, regardless of whether the Board makes the determinations before or after July 1, 2017, the determinations shall be effective as of July 1, 2017.

Implementation by electricity vendors

6.4xx (1) As soon as possible after the Board makes determinations under section 6.3xx, each electricity vendor shall, in respect of electricity used on or after July 1, 2017, ensure that its invoices reflect the determinations of the Board.

Same

(2) The electricity vendor shall ensure that, if any of its specified consumers have been invoiced in a manner that does not reflect the determinations of the Board under section 6.3xx, the specified consumer receives the difference between the amounts shown on the invoice and the amounts reflecting the Board's determinations, provided as a lump sum credit on the first invoice issued after the electricity vendor has adapted its invoices or by such other means as may be prescribed.

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Subsequent adjustments

7xx. (1) Despite clause 79.16 (1) (b) of the *Ontario Energy Board Act, 1998* and subject to subsection (2), the Lieutenant Governor in Council may prescribe the methodology to be applied by the Board after April 30, 2018 for the purpose of determining,

(a) electricity rates for specified consumers; or

(b) adjustments to be applied by electricity vendors to the adjustments made by the IESO under section 25.33 of the *Electricity Act, 1998* in respect of prescribed classes of specified consumers.

Limitation

(2) Any prescribed methodology to be applied in respect of a period after June 30, 2021 shall have regard to the following:

1. The fair allocation amount in respect of the period.

2. Any clean energy adjustments payable in respect of the period.

3. Such other matters as may be prescribed.

Sub-metering

7.1xx (1) This section applies if a specified consumer provides to another person electricity in respect of which a determination of the Board referred to in section 6.3xx or section 7xx applies.

Same

(2) If an invoice for the electricity is issued to the person by the specified consumer or a unit sub-meter provider providing unit sub-metering for the specified consumer, the amount payable for the electricity by the person who is liable to pay the invoice shall be determined in accordance with the regulations.

PART III
CLEAN ENERGY ADJUSTMENT

Specified consumers to pay

8xx. (1) Upon receipt of an invoice from an electricity vendor that includes an amount in respect of the clean energy adjustment, a specified consumer shall pay the amount to the electricity vendor, as agent of the investment interest owners.

Same

(2) For greater certainty, subsection (1) applies regardless of,

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(a) whether the clean energy adjustment was determined in a manner that was inconsistent with this Act; and

(b) whether the amount payable in respect of the clean energy adjustment relates to funding obligations that were incurred in a manner that was inconsistent with the Financing Plan, including in a manner that failed to provide for the reasonable alignment of the estimated finance amount with the fair allocation amount.

Terms

(3) The payment shall be made in accordance with such terms of payment as may be specified in the invoice, which may include terms relating to late payment fees and interest charges.

Indebtedness of specified consumer

(4) An unpaid amount that is required to be paid by a specified consumer under this section constitutes indebtedness of the specified consumer to each investment interest owner to the extent of each owner's respective interest in the investment asset.

Same

(5) The indebtedness mentioned in subsection (4) is a single and separate debt obligation owed by the specified consumer and may be enforced independently from any other payment obligation or indebtedness owing by the specified consumer.

Unit sub-metering

(6) A specified consumer who provides electricity through sub-metering may collect amounts in respect of the clean energy adjustment payable under this section in accordance with the regulations.

Irrevocability of amount

9xx. (1) An amount in respect of the clean energy adjustment shown on an invoice issued to a specified consumer under this Act is determinative of the amount of the consumer's indebtedness resulting from the clean energy adjustment and is irrevocable upon invoicing the consumer and may not be set off or by passed.

Exception

(2) Subsection (1) does not apply to the extent that the invoice reflects a clerical, typographical or calculation-related error.

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Determination of clean energy adjustment
Financial Services Manager to determine

10xx. (1) The Financial Services Manager shall determine the clean energy adjustment payable by all specified consumers in respect of each month in a reference period by taking the following steps:

1. Calculate the sum of the following:

    i. The estimated finance amount in respect of the reference period.

    ii. The true up amount in respect of the reference period.

2. Divide the sum calculated under paragraph 1 by the number of months in the reference period.

Regulations re true up amount

(3) The Lieutenant Governor in Council shall, in making regulations with respect to the determination of the true up amount, have regard to the following principles:

1. The true up amount should serve to ensure that the collection of the clean energy adjustment is sufficient to pay the finance amount when it is due.

2. The method for determining the true up amount should take into account historical and reasonably foreseeable.

    i. differences between the estimated and actual finance amount for the applicable reference period.

    ii. differences between amounts invoiced and amounts collected due to various factors, including applicable taxes, consumer defaults and delays, billing lags and write-offs, and

    ii. variations in billings due to variations in electricity consumption.

Financial Services Manager to notify Board

(4) The Financial Services Manager shall, in accordance with the regulations, notify the Board of the clean energy adjustment in respect of a reference period and such other information related to the determination of the clean energy adjustment as may be prescribed.

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Board to determine rates

(5) Without changing the clean energy adjustment, the Board shall, in accordance with the regulations, determine the rate at which specified consumers are invoiced to recover the clean energy adjustment in respect of the reference period.

IESO to receive amounts

11xx. (2) IESO shall, as an agent of the investment interest owners, receive amounts in respect of the clean energy adjustment paid to it from electricity vendors in accordance with the regulations and the market rules made under section 32 of the *Electricity Act, 1998*.

Account

(3) All of the following amounts received by IESO shall, until paid to or for the benefit of the investment interest owners in accordance with subsection (5), be deposited promptly into an account established for the purposes of receiving those amounts:

1. Amounts described in subsection 11xx (2).

2. Payments made by specified consumers directly to IESO as electricity vendor under subsection 8xx (1).

3. Proceeds of amounts described in paragraphs 1 and 2.

Same, held in trust

(4) All amounts received by IESO in respect of the clean energy adjustment shall, until paid to or for the benefit of the investment interest owners, be received and held in trust by IESO for the investment interest owners.

IESO to remit

(5) IESO shall remit amounts received by it in respect of the clean energy adjustment, inclusive of interest earned on the accounts referred to in subsection (2), to or for the benefit of the investment interest owners in accordance with the regulations.

Electricity vendor to invoice specified consumers

12xx. (1) Each electricity vendor shall issue an invoice to each of its specified consumers for the amount payable by the consumer in respect of the clean energy adjustment, as determined by applying the rate set by the Board under subsection 10xx (5) and in accordance with the regulations.

Electricity vendor to report

(1.1) Each electricity vendor shall, in accordance with the regulations, promptly report to IESO the total amount invoiced to its specified consumers in respect of the clean

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energy adjustment, the amount collected and such other information as may be prescribed.

Electricity vendor to collect

(2) Each electricity vendor shall, as agent of the investment interest owners, collect amounts in respect of the clean energy adjustment from specified consumers in accordance with the regulations.

Pro rating of payments

(3) If an electricity vendor receives a payment made by or on behalf of a specified consumer in respect of amounts payable under one or more invoices and the amount paid is less than the total amount payable, the electricity vendor shall allocate the payment on a pro rata basis to the clean energy adjustment and other amounts payable under the relevant invoices in respect of electricity charges in respect of the same invoice period.

Held in trust

(4) .Payments received by an electricity vendor from or on behalf of specified consumers in respect of the clean energy adjustment and all proceeds of the payments shall, until paid to or for the benefit of the investment interest owners in accordance with subsection (5), be received by and held by each electricity vendor in trust for the benefit of the investment interest owners.

Remittance to IESO

(5) Each electricity vendor shall remit amounts in respect of the clean energy adjustment to IESO for the benefit of the investment interest owners in accordance with the regulations.

PART IV
IMPLEMENTATION

FINANCIAL SERVICES MANAGER

Appointment

13xx. Ontario Power Generation Inc. is appointed as the Financial Services Manager for the purposes of this Act.

Duties and powers

14xx. (1) The Financial Services Manager shall perform the duties assigned to it under this Act and may administer the investment asset on behalf of the investment interest owners.

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Same

(2) The administration of the investment asset may include providing information to IESO in respect of obligations under Part III and such other activities as may be prescribed.

Fees, etc.

(3) Subject to any prescribed limitations, the Financial Services Manager may establish and charge fees in relation to such matters as may be prescribed in accordance with the regulations.

Same, Board approval

(4) Before establishing fees under subsection (3), the Financial Services Manager shall submit them to the Board for approval in accordance with the regulations.

FAIR ALLOCATION AMOUNT

Minister to calculate fair allocation amount

15xx. (1) Subject to subsections (2) and (3), before the first funding obligation is incurred, the Minister shall calculate a fair allocation amount in respect of each reference period, applying such method as the Minister considers appropriate and in accordance with the following steps:

1. Determine the estimated clean energy costs and estimated clean energy benefits allocated to specified consumers in respect of the reference period.

2. Determine the estimated reduction in the amounts payable by specified consumers as a result of rates determined under Part II in respect of all previous reference periods, including the estimated reduction in clean energy costs described in clause (a) of the definition of "clean energy costs" in subsection 1 (1) that would otherwise have been payable by specified consumers in the absence of this Act.

3. Determine the amount, if any, by which the determination under paragraph 1 exceeds the determination under paragraph 2.

4. Calculate the sum of the amount determined under paragraph 3 and such other amounts as may be prescribed.

Principles

(2) In calculating the fair allocation amount, the Minister shall have regard to the following principles:

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1. The purpose of calculating the fair allocation amount is to measure and allocate the estimated clean energy costs and estimated clean energy benefits fairly among the specified consumers in respect of each reference period.

2. Calculations should be made having regard to the need to align each fair allocation amount with the estimated finance amount payable during the reference period.

3. Estimated clean energy costs allocated to specified consumers in respect of a reference period should be allocated in proportion to the estimated clean energy benefits attributed to the specified consumers in respect of the reference period.

4. Such other principles as may be prescribed.

Assumptions

(3) In calculating the fair allocation amount, the Minister shall make such assumptions as the Minister considers to be reasonable regarding the following:

1. The time value of money or the rate of inflation, for the purpose of equating nominal amounts over time.

2. The expected number of specified consumers in respect of each reference period.

3. The expected electricity consumption rates in respect of each reference period.

4. Such other assumptions as may be prescribed.

Minister to provide amount to Financial Services Manager

(4) The Minister shall provide the fair allocation amount in respect of each reference period to the Financial Services Manager.

Recalculation

(5) A calculation of the fair allocation amount under this Part may be changed by such person as may be prescribed in accordance with such requirements as may be prescribed.

Same

(6) No change under subsection (5) shall affect any clean energy adjustment that has already been determined under section 10xx or any funding obligations that have already been incurred before the change.

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Information

(7) The Minister, IESO, the Financial Services Manager, the Board and electricity vendors shall provide such information as may be prescribed in accordance with the regulations for the purposes of facilitating a change to a calculation of the fair allocation amount.

FINANCING PLAN

Financial Services Manager to prepare Financing Plan

16xx. (1) The Financial Services Manager shall prepare a written plan entitled the Financing Plan to be used by the Financial Services Manager to evaluate whether potential funding obligations should be incurred for the purposes of acquiring and financing an investment asset in accordance with this Act or for the purposes of a refinancing.

Plan to be provided to Minister

(1.1) The Financial Services Manager shall provide the Financing Plan to the Minister.

Principles

(2) In preparing the Financing Plan, the Financial Services Manager shall have regard to the following principles:

1. Funding obligations should be incurred such that, along with any funding obligations already incurred, the estimated finance amount that would, subject to any refinancing, become due and payable during a reference period will reasonably align with the fair allocation amount determined in respect of the reference period, in each case after reducing the fair allocation amount to reflect determinations of the Board under Part II in respect of the reference period.

2. Incurrences should be implemented in a manner that, in the opinion of the Financial Services Manager, is reasonable, cost effective and that reflects prevailing market terms and conditions.

3. Reasonable assumptions should be made regarding such matters as may be prescribed.

Limitation

(4) In respect of each reference period from May 1, 2017 to April 30, 2021, no funding obligation shall be incurred that would result in amounts payable in respect of the clean energy adjustment in respect of the reference period unless,

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(a) the amounts are payable in respect of a reference period in respect of which the Board has not made any determinations under Part II; or

(b) if the Board has made a determination under Part II in respect of the reference period, the funding obligations incurred would not result in amounts payable in respect of the clean energy adjustment during the reference period in an amount that exceeds the limit determined in accordance with the regulations.

Other reports

(3.1) The Financial Services Manager shall submit to the Minister such reports and information as the Minister may require from time to time and shall, if required by the Minister to do so, examine, report and advise on any question relating to the Financing Plan.

Amendments to plan

(6) The Financial Services Manager may amend the Financing Plan at any time.

Same

(7) In the event that the Financing Plan is amended, any reference in this section to the Financing Plan is deemed to be a reference to the plan as amended.

Implementation of Financing Plan

17xx. (1) The Financial Services Manager shall ensure that funding obligations incurred for the purposes of this Act are incurred in a manner that is consistent with the applicable Financing Plan.

Financing entities

(3) In accordance with the Financing Plan, the Financial Services Manager may establish or cause to be established one or more financing entities that may incur funding obligations.

Prohibition

(3.1) The Financial Services Manager shall not provide for funding obligations to be incurred with any recourse to any assets of an electricity vendor, the Board, Ontario Power Generation Inc., the Province or the Lieutenant Governor in Council, except to the extent that any of these persons or entities may be liable to perform obligations or duties arising under this Act or under the express terms of a funding obligation or other agreement.

Effect of amendment to fair allocation amount

(4) Each funding obligation incurred and each transfer made by a financing entity is deemed to be consistent with the Financing Plan and to provide for the reasonable alignment of the estimated finance amount with the fair allocation amount.

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Same

(2) For greater certainty, subsection (4) applies despite the failure of the Financial Services Manager to comply with subsection (1).

PART V
THE REGULATORY ASSET

IESO deferral

20xx. (1) The IESO deferral for each month, commencing May 1, 2017, shall be determined by IESO in accordance with the regulations.

Same, retrospective amounts

(1.1) For greater certainty, the regulations may provide for the IESO deferral to include an amount that was incurred by IESO on or after May 1, 2017 and before the day this Act comes into force.

Electricity vendors to provide information

(2) Electricity vendors shall provide to IESO such information as IESO may reasonably request for the purposes of determining the IESO deferral under subsection (1) and such further information as may be prescribed.

Same

(3) IESO may rely on information provided by electricity vendors for the purposes of the determination under subsection (1).

Variance account to be established, maintained

20.1xx (1) IESO shall establish and maintain a variance account for the purposes of this section.

Recording in variance account

(2) IESO shall record the following in the variance account:

1. The IESO deferral for each month.
2. All payments received by IESO resulting from the exercise of the right of recovery under section 21xx and any transfer under section 22xx.
3. Such other adjustments as may be prescribed, including adjustments in respect of the period that commences on or after May 1, 2017 and before the day this section comes into force.

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Recording determinative

(3) Subject to the correction of any obvious error by IESO, its recording of the balance in the variance account is determinative of the balance as of the time of the recording.

Rights of investment interest owner

(4) No change made by IESO to the balance in the variance account shall, if the previous balance was relied upon by an investment interest owner in the context of a transfer under section 22x, affect the rights acquired by the investment interest owner under the transfer.

Regulatory asset established

21xx. (1) Effective May 1, 2017, IESO has the right, exercisable in accordance with this Act and the regulations, to recover the balance recorded in the variance account from specified consumers.

Board to set rates

(2) Subject to subsection (3), the Board shall, from time to time, determine and set rates payable by specified consumers to allow for IESO to recover the balance recorded in the variance account.

Limitation

(3) IESO shall not be entitled to collect all or part of the balance recorded in the variance account from specified consumers before May 1, 2021.

Same, limitations

(4) The Board's powers under subsection (3) shall be exercised in accordance with the regulations.

Transfer of regulatory asset

22xx. (1) IESO may from time to time, in accordance with this Act and the regulations, transfer a specified portion of the regulatory asset to a financing entity in accordance with this section.

Agreement

(2) An agreement between IESO and a financing entity in relation to the transfer of a specified portion of the regulatory asset shall provide for consideration of a payment by the financing entity to IESO in an amount equal to the amount of the specified portion.

Effect of payment

(3) Upon receipt by IESO of the payment by the financing entity,

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(a) the balance in the variance account shall be reduced by the amount of the payment;

(b) the regulatory asset shall be adjusted accordingly;

(c) the financing entity shall acquire a corresponding investment interest; and

(d) IESO shall retain no further right, title or interest in the corresponding investment interest.

Validity of transfer

23xx. (1) A transfer of a specified portion of the regulatory asset under section 22xx constitutes a valid and enforceable absolute assignment, conveyance and sale of the corresponding investment interest to the transferee.

Same

(2) Without limiting subsection (1), any transfer agreement that states an intention of the parties for IESO to dispose of a specified portion of the regulatory asset and to assign, convey or sell a corresponding investment interest shall be treated for all purposes as an absolute assignment, conveyance, disposition and sale of IESO's right to recover the corresponding amount in the variance account and not merely as a security interest.

Deemed perfection, etc.

(3) At the time a transfer of the regulatory asset is made under section 22xx, the transfer shall be deemed to have been and shall be perfected, vested, valid and binding as against the transferor and all other persons who have claims of any kind against the transferor.

Priority of transfer

(4) Subsection (3) applies regardless of whether the persons who have claims have received notice of the transfer and the property rights and interests acquired by the transferee shall have priority over any liens in favour of those persons.

PART VI
THE INVESTMENT ASSET

Effect of transfer

24xx. (1) The transfer of a specified portion of the regulatory asset under section 22x creates an investment asset or, if it is not the first transfer, adds to the investment asset.

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Same

(1.1) Upon transfer of a specified portion of the regulatory asset under section 22xx to a financing entity, the investment asset resulting from the transfer is immediately vested in the financing entity, free and clear of any adverse claim.

Investment asset established

25xx. (1) The investment asset constitutes a current and irrevocable property right and interest consisting, collectively, of the following rights and interests of investment interest owners:

1. The right and interest to impose, invoice, collect, receive and recover the clean energy adjustment from specified consumers, including the right to determine the clean energy adjustment in accordance with this Act.

2. The right to receive, collect and recover the clean energy adjustment that are imposed, invoiced and recoverable under this Act, including any amounts in respect of the clean energy adjustment that are held by electricity vendors, IESO and other prescribed parties.

3. All rights and entitlements under such accounts as may be prescribed by regulation and all amounts on deposit in such accounts.

4. The right to enforce the duties and obligations under this Act of each electricity vendor to impose, attribute, charge and invoice for the clean energy adjustment.

5. The right to enforce the duties and obligations under this Act of each electricity vendor and IESO to collect, receive and remit amounts received by it in respect of the clean energy adjustment, including all collections and the proceeds of any enforcement action undertaken by any electricity vendor to recover payment of the clean energy adjustment.

6. All rights of any kind related to any of the other property rights or interests that comprise the investment interest, including any rights to receive funding rebates.

7. All revenue, collections, claims, payments, money and proceeds of or derived from the rights described in paragraphs 1 to 6, regardless of whether it is invoiced, collected and maintained together with or commingled with other revenue, collections, claims, payments, money and proceeds.

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Not affected by failure to impose etc. clean energy adjustment

(1.1) An investment interest is not affected by any failure to impose, attribute, invoice, accrue or collect amounts in respect of the clean energy adjustment.

No set off, etc.

(2) The investment asset shall not be set off,

(a) by a consumer, an electricity vendor, IESO, an agent of the investment interest owners or an owner in the Province of a distribution system within the meaning of the *Electricity Act, 1998*;

(b) in connection with any default of a person mentioned in clause (a); or

(c) by any affiliate or successor of a person mentioned in clause (a).

Exercise of rights

(3) The rights of the investment interest owners to collect and enforce their rights and interests in, to and in respect of the investment asset against a specified consumer shall be exercised in accordance with Part III of this Act.

Collective action required

(4) If one investment interest owner owns a right or interest in the investment asset that comprises less than the entire property right and interest constituted by the investment asset, the right or interest shall only be enforced by the investment interest owner collectively and in coordination with all other investment interest owners, and any agreement among that collective in furtherance of the collective action shall be valid and binding on the investment interest owners as a collective in accordance with its terms.

Transfer of investment interest

26xx. An investment interest owner may transfer all or a portion of an investment interest to any other investment interest owner, including by way of a transfer of a divided or an undivided interest, in accordance with the Financing Plan.

Validity of transfer

27xx. (1) A transfer of an investment interest under this Act is a valid and enforceable sale and absolute transfer of the investment interest and confers upon the transferee a valid property right and interest in, to and under the applicable investment interest acquired in accordance with the terms of the transfer.

Same

(2) Without limiting subsection (1), a transfer that by its terms is intended to constitute a sale or absolute transfer shall be treated for all purposes as an absolute transfer of an investment interest owner's right, title and interest in, to and under an

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investment interest, and not merely as a security interest, and upon such absolute transfer the transferor shall retain no right, title or interest in the investment interest, subject to the transfer, including all rights to the investment interest arising after the transfer.

Deemed perfection, etc.

(3) At the time a transfer of an investment interest is made, the transfer shall be deemed to have been and shall be perfected as described in the *Personal Property Security Act*, vested, valid and binding as against the transferor and all other persons who have claims of any kind against the transferor.

Priority of transfer, assignment, etc.

(4) Subsection (3) applies regardless of whether the persons who have claims have received notice of the transfer, and the property rights and interests acquired by the investment interest owner shall have priority over any liens in favour of such other persons.

Investment interest owner may grant security interest

28xx. (1) An investment interest owner may grant a security interest over all or a specified portion of its right, title and interest in, to and under the investment interest to or in favour of any person to secure a funding obligation.

Validity

(2) A security interest granted under this Act shall be valid and enforceable in accordance with its terms.

Perfection and priority of security interests

(3) All provisions of the *Personal Property Security Act* shall apply to the investment asset and each investment interest on the basis that the investment asset and each investment interest is intangible personal property, except as otherwise provided for in this section, and any granting of a security interest by an investment interest owner to secure a funding obligation shall, subject to the terms of the funding obligation, give rise to a security interest in respect of which that Act applies and may be perfected by filing a financing statement under that Act on that basis.

Proceeds

(4) All proceeds of an investment interest that are subject to the security interest and that are received by the applicable investment interest owner shall immediately be subject to the security interest and shall be perfected without any physical delivery of the proceeds, registration of any financing statement or any further act.

Perfection

(5) The security interest shall be a continuously perfected security interest and shall have priority over any other lien, created by operation of law or otherwise, that may

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subsequently attach to the property rights and interests in the investment interest subject to the security interest, subject to the written consent of the person to whom the security interest has been granted.

Same

(6) The person to whom the security interest has been granted shall have a perfected security interest in revenues or other proceeds that are deposited in any account of any electricity vendor, an agent of an electricity vendor or other person who may have commingled such revenues or other proceeds with other funds.

Notice required

(7) The secured party shall be entitled to exercise the rights of an investment interest owner only after the secured party has given notice of the enforcement of its security interest to IESO.

Definition

(8) For the purposes of this section, a security interest is perfected when it is perfected as described in the *Personal Property Security Act*.

PART VII
MISCELLANEOUS

Appointment of agent, invoicing or collection

29xx. If a prescribed circumstance applies, the Lieutenant Governor in Council may by regulation appoint a person to carry out some or all of the obligations of an electricity vendor under this Act in the place of an electricity vendor with respect to invoicing or collection.

Not Crown agent

30xx. For greater certainty, a person appointed under section 29xx is not an agent of the Crown for any purpose, despite the *Crown Agency Act*.

Board's authority

30.1xx (1) Each electricity vendor, IESO and the Financial Services Manager shall maintain such accounts and provide such information to the Board as the Board may require for the purposes of carrying out its responsibilities under this Act, in the form and manner and within the time required by the Board.

No hearing required

(2) Despite anything to the contrary in the *Ontario Energy Board Act, 1998*, the Board may exercise any of its responsibilities under this Act without a hearing.

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Sequestration

31xx. (1) A court in the Province may, upon application by an investment interest owner or a secured party, order the sequestration and payment of amounts in respect of the clean energy adjustment, collections and remittances, as applicable, for the benefit of the investment interest owner or secured party by any person or entity authorized to collect amounts in respect of the clean energy adjustment, including defaults on any required remittance of amounts in respect of the clean energy adjustment, collections or remittances.

Same

(2) An order under subsection (1) does not limit any other remedies available to the applicant.

Choice of law

32xx. The law governing, as applicable, the validity, enforceability, attachment, perfection, priority and exercise of remedies with respect to a transfer under this Act or the creation of a security interest in the regulatory asset, the investment asset, the clean energy adjustment or the undertaking of the Crown under section 5XX shall be the laws of the Province.

Conflict

33xx. The provisions of this Act and the regulations apply despite any provision of any other Act regarding the attachment, assignment or perfection, or the effect of perfection or priority of any transfer or security interest.

No further approvals, etc.

34xx. Despite any requirement under any Act, no approvals, notices or authorizations other than those specified in this Act are required to be taken under the Financing Plan or in relation to the determination of the fair allocation amount.

Liability

35xx. (1) No action or other civil proceeding shall be commenced against any employee of the Province or Ontario Power Generation Inc. for any act done in good faith in the exercise or performance or the intended exercise or performance of a power or duty under this Act, the regulations under this Act or for any alleged neglect or default in the exercise or performance in good faith of such a power or duty.

Same

(2) Nothing in subsection (1) shall be read as limiting the effect of subsection 19 (1) of the *Electricity Act, 1998* or subsection 11 (1) of the *Ontario Energy Board Act, 1998*.

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Same

(3) Despite subsections 5 (2) and (4) of the *Proceedings Against the Crown Act*, subsection (1) does not relieve the Crown of liability in respect of a tort committed by a person mentioned in subsection (1) to which it would otherwise be subject.

References in marketing materials and offering documents

36xx. No person shall include, in marketing materials or offering documents relating to the financing of funding obligations, references to any rights, obligations, guarantees or undertakings arising under section 5xx unless the prescribed requirements, if any, are satisfied.

Regulations

38xx. (1) The Lieutenant Governor in Council may make regulations in respect of the following matters:

1. [5]Governing anything that is required or permitted to be prescribed or that is required or permitted to be done by, or in accordance with, the regulations or as authorized, specified or provided in the regulations.

2. Defining, for the purposes of a regulation, words and expressions used in this Act that are not defined in the Act.

3. Prescribing types of payment obligations that constitute funding obligations.

4. Governing the determination of classes of specified consumers, which may include determination based on the manner in which rates are determined for different classes of specified consumers.

5. Governing the determination of the finance amount and the true-up amount and how those amounts are to be applied to the clean energy adjustment.

6. Governing the inclusion of information under this Act on or with invoices, which may include requiring notice to be provided by electricity vendors to specified consumers and other prescribed persons regarding the adjustments, including providing for different requirements in different circumstances and for different classes of specified consumers.

7. Governing the inclusion of information about the clean energy adjustment and any other matters provided for under this Act on or with invoices issued to specified consumers, including the form that the information must take and the

[5] FLS - see s. 78 (1) of the Climate Change Mitigation and Low-carbon Economy Act, 2016 - paras. 1 and 2

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form of the invoices and the form of any notice to be provided to the specified consumer under this Act[6];

8. Governing the manner by which invoices or notices provided for under this Act are to be provided to specified consumers and other prescribed persons.

9. Governing the Financial Services Manager's power to establish and charge fees, including the ability to recover costs and expenditures and to earn a return.

9.1 Providing for a right of compensation for investment interest owners affected by a breach of section 25xx and the manner in which such a right may be enforced under this Act.

10. Prescribing the time within which any action required by this Act may be required to be done.

11. Providing for such other matters as the Lieutenant Governor in Council considers advisable to carry out the purpose of this Act

Limitation

(2) Despite subsection (1) or any other Act, no regulation under this Act shall have the effect of reducing, impairing, postponing or terminating the obligations of specified consumers to pay amounts in respect of the clean energy adjustment or impairing or postponing the invoicing, collection, remittance or recovery of the clean energy adjustment.

PART VIII[7]
AMENDMENTS TO OTHER ACTS

ELECTRICITY ACT, 1998

200x. (1) Subsection 6 (1) of the *Electricity Act, 1998* would be amended by adding the following clauses:

(q.0.1) to exercise the powers and rights and to perform the duties and obligations assigned to it under the *Ontario Fair Hydro Plan Act, 2017* and to engage in activities to facilitate the implementation of the *Ontario Fair Hydro Plan Act, 2017*, including.

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[6] FLS - see *OEBA s. 79.17 and 88(1)(z.11) and (z.12)*

[7] FLS These amendments are drawn from previous drafting contained in gov2016 146.e05 (which was drafted as amendments to the EA, 1998).

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(i) entering into agreements or arrangements with any person for the purposes of the *Ontario Fair Hydro Plan Act, 2017*;

(ii) engaging in activities related to making payments to and receiving payments as contemplated under the *Ontario Fair Hydro Plan Act, 2017* and to engage in related settlement activities;

(iii) engaging in activities related to the transfer and administration of the regulatory asset created under the *Ontario Fair Hydro Plan Act, 2017*, which activities may include,

(A) incurring liabilities in relation to the regulatory asset,

(B) transferring the regulatory asset under section 22x for consideration, and

(C) acting as a recovery agent under the *Ontario Fair Hydro Plan Act, 2017*;

200.1xx (1) Subsection 25.33 (1) of the Act would be amended by striking out "and" at the end of clause (a), by adding "and" at the end of clause (b) and by adding the following clause:

(c) such amounts as may be prescribed that are paid or incurred by IESO in relation to the *Ontario Fair Hydro Plan Act, 2017*;

(1.1) Subsection 25.33 (2) of the Act would be amended by striking out "and" at the end of clause (a), by adding "and" at the end of clause (b) and by adding the following clause:

(c) such amounts as may be prescribed that are paid or incurred by IESO in relation to the *Ontario Fair Hydro Plan Act, 2017*;

(2) Subsection 25.33 (3) of the Act would be amended by adding the following paragraph:

4. A consumer who is a specified consumer within the meaning of the *Ontario Fair Hydro Plan Act, 2017* or such other consumer as may be prescribed.

(3) Clause 25.33 (4) (b) of the Act would be amended by adding "or as may be required by a regulation made under this Act or the *Ontario Fair Hydro Plan Act, 2017*" at the end.

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(4) Subsection 25.33 (5) of the Act would be amended by adding "or under the *Ontario Fair Hydro Plan Act, 2017*" at the end

201x. Section 53.1 of the Act would be amended by adding the following subsections:

Same, *Ontario Fair Hydro Plan Act, 2017*

53.1 (1.1) In addition to the objects mentioned in subsection (1), the objects of Ontario Power Generation Inc. include exercising the powers and rights and performing the duties and obligations assigned to it under the *Ontario Fair Hydro Plan Act, 2017* and engaging in activities to facilitate the implementation of that Act, including entering into contracts and undertakings on behalf of financing entities and performing other services on behalf of financing entities, subject to the right to be paid by the financing entities for those services.

Subsidiaries, etc.

(1.2) Ontario Power Generation Inc. may create or invest in one or more subsidiaries, trusts, partnerships or special purpose entities in order to more efficiently conduct its activities or achieve its objects.

Deemed assets, non-subsidiary

(1.3) Despite any other provision of this Act, the *Business Corporations Act* or any other Act, if a financing entity is not a subsidiary of Ontario Power Generation Inc.,

(a) the assets and liabilities of the financing entity shall not form part of the assets and liabilities of Ontario Power Generation Inc. or any of its subsidiaries; and

(b) the assets and liabilities of Ontario Power Generation Inc. or any of its subsidiaries shall not form part of the assets and liabilities of the financing entity.

Deemed assets, subsidiary

(1.4) Despite any other provision of this Act, the *Business Corporations Act* or any other Act, if a financing entity is a subsidiary of Ontario Power Generation Inc.,

(a) the assets and liabilities of that financing entity shall not form part of the assets and liabilities of Ontario Power Generation Inc. or any of its other subsidiaries; and,

(b) the assets and liabilities of Ontario Power Generation Inc. or any of its other subsidiaries shall not form part of the assets and liabilities of that financing entity.

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Definition, financing entity

(1.5) For the purposes of this section, "financing entity" has the same meaning as in the *Fair Hydro Plan Act, 2017.*

AMENDMENTS TO ONTARIO ENERGY BOARD ACT, 1998

205x. Subsection 70 (2.1) of the Act would be amended by adding the following paragraph:

4. The licensee is required to comply with the *Ontario Fair Hydro Plan Act, 2017.*

205.1x Section 70 of the Act would be amended by adding the following subsection:

(2,3) Every licence issued to a unit sub-meter provider is deemed to contain the condition that the unit sub-meter provider is required to comply with the *Ontario Fair Hydro Plan Act, 2017* and the regulations made under it.

206x. Section 78.1 of the Act would be amended by adding the following subsection:

Same, limitation re Ontario Power Generation Inc.

(3) The determination of a payment to Ontario Power Generation Inc. under this section shall not include any consideration of amounts related to activities of Ontario Power Generation Inc. carried out in relation to the *Ontario Fair Hydro Plan Act, 2017.*

Same

(3.1) The amounts referred to in subsection (3) include, without limitation, the following:

1. Amounts related to the appointment of Ontario Power Generation Inc. as the Financial Services Manager under the *Ontario Fair Hydro Plan Act, 2017.*

2. Amounts related to the charging of fees for performing duties as the Financial Services Manager.

3. Amounts related to exercising the powers and performing the duties of the Financial Services Manager.

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4. Amounts related to the consolidation of the assets and liabilities for accounting purposes of any special purpose financing entities established under and for the purposes of that Act.

207xx. Subsection 79.16 (3) of the Act would be repealed.

PART IX
COMMENCEMENT AND SHORT TITLE

Short Title - this proposal for legislation would, if approved by the Legislature, have a short title to be determined by Government.

Timing – this proposal for legislation would, if approved by the Legislature, come into force on a date to be established by Government.

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EY
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The Special Committee of the Board of Directors
Ontario Power Generation Inc. (the "Company")
700 University Avenue
Toronto, ON M5G 1X6

May 5 2017

Dear Sirs/Madames,

This letter is being issued to the Special Committee to assist them in their evaluation of management's analysis of the application of International Financial Reporting Standards ("IFRS") as adopted by the International Accounting Standards Board ("IASB")) to the specific transaction described in the Company's memorandum entitled *OPG Accounting Considerations of Ontario Fair Hydro* dated May 2 2017, herein referred to as "the Management Memorandum". We are issuing this letter in our role as auditors of the Company for the year ending December 31, 2017. As the Province consolidates OPG on an IFRS basis, this letter pertains solely to management's IFRS analysis as contained in the Management Memorandum.

We have read the Management Memorandum and we agree with management's analysis therein, subject to all of the assumptions and limitations identified therein. Specifically, we concur that the existing in draft legislation, along with the yet undrafted Regulation and special purpose vehicle (TRUST) documents, and various other agreements assuming they include the required criteria that Management has identified as outstanding in its Appendix A, would be sufficient to support consolidation of the TRUST with OPG Inc.

Additionally, we specifically refer you to the section entitled "Conclusion" in the Management Memorandum, which indicates that their analysis is based on draft legislation as well as their assumptions regarding the terms and conditions of certain contractual arrangements and other documentary evidence that is not yet drafted. Therefore, the Management Memorandum will be required to be updated to reflect the final contents of the legislation and other relevant contractual arrangements and documentary evidence. We will review the updated Management Memorandum once it is available, and update you on our viewpoints once our review of such updated Management Memorandum is completed.

The scope of this letter and any views expressed herein are limited to the transactions, facts, circumstances and assumptions provided to us by management or the Company as described in the Management Memorandum. If such facts, circumstances or assumptions differ, our conclusions may change.

We have not performed an audit or a review of the Management Memorandum. Additionally, we have not performed an audit as of any date or for any period subsequent to December 31, 2016.

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The ultimate responsibility for the proper accounting treatment under IFRS and US GAAP rests with the Company.

We have not been asked for, nor do we express, an opinion on the tax consequences of the transactions described herein.

The accounting for such transactions could be affected by actions of the International Accounting Standards Board, the IFRS Interpretations Committee, the Ontario Securities Commission, or other regulatory bodies. Any such actions occurring prior to the finalization of the 2017 IFRS consolidated financial information will be required to be analyzed by management and such analysis will be reviewed by us in the context of the audit procedures we will perform on the consolidated IFRS financial information for the year ending December 31, 2017.

Our work does not include the provision of legal advice and we make no representations regarding questions of legal interpretation of any possible structure or strategy. We make no representation regarding the sufficiency of our work for any purpose.

This report is intended solely for the information and use of the Special Committee, Board of Directors and management. We understand that a copy of this letter may be provided to the Province of Ontario, the Independent Electricity System Operator, and/or the Ontario Energy Board. It is not intended to be, and should not be, used by anyone other than these specified parties.

This analysis, or portions thereof, should not be referred to or distributed to any other person or entity, other than those noted in the paragraph directly above. It is not to be referred to or quoted, in whole or in part, in any registration statement, prospectus, public filing, loan agreement, or other agreement or document.

Yours sincerely,

Ernst & Young LLP

Chartered Professional Accountants
Licensed Public Accountants

Tracy E. Brennan
Partner
416-943-2615

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Draft for Discussion Purposes - CONFIDENTIAL
Accounting Topic Discussion Paper
Ontario Power Generation (OPG)

May 2, 2017

ONTARIO POWER GENERATION

OPG ACCOUNTING CONSIDERATIONS OF ONTARIO FAIR HYDRO PLAN

Purpose:

The purpose of this document is to summarize the preliminary views of Ontario Power Generation (OPG) on the ability for OPG to consolidate the Financing Entity Trust associated with the Ontario Fair Hydro Plan.

This memo is assessed against the Legislation proposal 'Ontario Fair Hydro Plan Act, 2017, if enacted V6' sent by Carolyn Calwell on May 1, 2017. Note that this assessment is preliminary pending the finalization of the Legislation, the Trust indentures, Regulations, financing structure and other detailed terms, and all related documentary evidence. This assessment will be updated once final documentation is available.

Background:

On March 2, 2017, the Province of Ontario (the Province) announced Ontario's Fair Hydro Plan (the Plan) aimed at reducing electricity bills by 25 percent on average for all residential consumers in the province. As part of the Plan, the Province has proposed financing a portion of the Global Adjustment costs over a longer time period for Regulated Price Plan eligible customers (e.g., residential, farm, small businesses).

On April 13th, the Province requested that OPG consider administering the financing associated with the Plan, because of OPG's participation in the market, regulatory knowledge and the potential ability to consolidate the related financing activities. To undertake this financing, OPG will establish a Financing Entity Trust (the Trust) to finance and administer the Global Adjustment costs through a mixture of external financing and an equity injection from the Ontario Financing Authority. It is expected that OPG will control the Trust for accounting purposes and that its financial position and results will be consolidated within OPG's consolidated financial statements.

Assumptions made to perform accounting analysis which are not yet addressed in Legislation – it is expected that these matters will be addressed in Regulations, Trust documents, and various other agreements:

- The Regulation must require interest, carrying and administrative costs to be paid to the Trust in cash on a monthly basis, so that the Trust is able to recognize appropriate revenue to offset any ongoing costs.
- The Regulations, Trust documents and various agreements will provide that OPG will have significant variability and exposure from the activities of the Trust relative to the rate of return that OPG would recognize from its role as the Financial Services Manager of the Trust. The performance fee will be meaningful and allow OPG to make decisions that will significantly impact its returns.
- The Minister of Energy will have the ability to replace the Financial Services Manger (OPG) if there is a failure to perform. There will be a bifurcation of roles where the Province could not remove OPG as manager/administrator with respect to the existing debt placed by the Trust, but could remove OPG's responsibility/right to prepare the Financing Plan going forward. The ability for the Minister of Energy to remove OPG as the Financial Services Manager should not impact the recoverability of existing intangible assets.

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- The calculation of the Fair Allocation Amount will be performed by the Minister of Energy.
- OPG has the ability to appoint and remove the Trustee (or Board of Trustees) and there are no veto rights by the Province. No party has the ability to remove OPG from its role and authority in the Trust.
- Neither the OEB nor any other party can discretionally reduce the management fee or performance fee except due to a calculation error.
- The margin on the interest rates associated with Tranche B and Tranche C which will be recovered from the ratepayers will be reflective of the risk profile of the debt and the associated market terms.
- The indemnification provided to the Trust by the Minister of Finance on behalf of the Province as described in *Part I – General - Section 5.3 Guarantee, indemnification Protection and assurances* will be subject to terms and conditions in a separate Provincial support agreement. The guarantee is expected to be in place only in the event of a Payment Guarantee Event, such as if the Legislative Assembly of Ontario repeals the Fair Hydro Act or amends the Act in a way that adversely impacts the ability of the Trust to fully recover an intangible asset in order to pay the obligations of the Trust.
- The approval by the Ontario Energy Board of the Financial Services Manager (i.e. OPG's) fees as described in *Part IV – Implementation - Section 14.4 Same, Board Approval* will not allow them to change or limit the management fee structure, but only ensure that it is prudent by ensuring it is calculated in accordance with the Regulations.
- In the event that a different Financial Services Manager is appointed by the Minister of Energy, the IESO is required to continue to make cash payments for interest to the Trust for the existing debt. Principal repayments on existing debt will continue to be repaid by ratepayers to the Trust in accordance with the terms of the issued debt.
- All other items as indicated in *Appendix A*.

Accounting Analysis:

In order to meet the accounting definition of 'control', accounting guidance must be considered. There are no bright lines to determine whether OPG has exposure, or rights, to variable returns from its involvement with the Trust, or whether it has the ability to affect the returns of the Trust through its power over the Trust. Rather, all facts and circumstances are considered when assessing whether an entity has control over another entity.

In order to consolidate the Trust, OPG must be able to demonstrate that it controls the Trust.

Control

An investor controls an investee if and only if the investor has all the following:

a) *power over the investee;*
b) *exposure, or rights, to variable returns from its involvement with the investee; and*
c) *the ability to use its power over the investee to affect the amount of the investor's returns.* [IFRS 10, paragraph 7]

Purpose and design of the investee

When assessing control of an investee, an investor shall consider the purpose and design of the investee in order to identify the relevant activities, how decisions about the relevant activities are made, who has the current ability to direct those activities and who receives returns from those activities. [IFRS 10, paragraph 86]

Criteria	Analysis
Purpose and design of the Trust	The purpose of the Trust is to allow OPG to earn a return on the Intangible Asset from the IESO by effectively managing financing to earn a spread, earn management fees, and earn interest fees.

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Purpose and design of the investee

When assessing control of an investee, an investor shall consider the purpose and design of the investee in order to identify the relevant activities, how decisions about the relevant activities are made, who has the current ability to direct those activities and who receives returns from those activities. [IFRS 10, paragraph 86]

Relevant activities of the Trust and how decisions are made about those activities	Relevant activities: The relevant activities of the Trust are: • To evaluate and make decisions on financing alternatives, duration, and the strategy to minimize financing costs. • To effectively manage funding obtained through the capital markets and be able to make or lose any spread from financing. • To provide funding to the IESO in return for an interest in a future cash flow stream. • To obtain funding through the capital markets and other vehicles available to OPG to be able to provide the IESO funding. • To make capital and funding decisions required to meet the Fair Allocation Plan objectives as set out in Legislation. • To finance the requirements associated with the short-fall amount. • To raise debt, pay bond debt holders, and determine capacity for the Trust to raise additional financing. Financing Plan (Legislation, Part IV – Implementation) • OPG's plan for managing the assets of the Trust will be dictated through a 'Financing Plan'. • The Financial Services Manager (i.e. the Trust) shall provide the Financing Plan to the Minister. The Financing Plan is expected to follow Principles as stipulated in the Legislation which indicate that the assumptions must be reasonable and that the Trust has the power to determine what is reasonable and cost-effective. The Trust makes all the decisions in determining the relevant activities as listed above. • OPG can amend the Financing Plan at any time without the approval of the Minister. Fair Allocation Amount (Legislation, Part IV – Implementation) • The 'Fair Allocation Amount' ("FAA") is the amount of the deferral for the reference period and includes finance amounts. The current Legislation dictates that the Minister of Energy is to calculate the FAA. • This does not impact OPG's relevant activities in the Trust as OPG's variable returns are based on financing decisions which are not dictated by the FAA. OPG can choose to accept or reject the purchase of the intangible asset which is based on the Fair Allocation Amount.

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Purpose and design of the investee *When assessing control of an investee, an investor shall consider the purpose and design of the investee in order to identify the relevant activities, how decisions about the relevant activities are made, who has the current ability to direct those activities and who receives returns from those activities (IFRS 10, paragraph B5)*	
	Decisions made and voting rights of the Trust: OPG has the ability to appoint and remove the Trustee (and if applicable Board of Trustees) and there are no veto rights by the Province. No party has the ability to remove OPG from its role and authority in the Trust. **[NOT YET ADDRESSED IN CURRENT LEGISLATION]** *Voting of members* Except as otherwise stated, all decisions of the members (if applicable) shall be made by the Trustee who will be appointed by OPG. Termination Rights OPG cannot be removed from its role in the Trust. The Province has the right to remove OPG as the 'Financial Services Manager' for failure to perform. This will not impact debt that has already been issued for which OPG is already managing through the Trust or the recoverability of existing intangible assets. If the right is exercised, it serves to reduce or eliminate the scope of new business activities of the Trust but it does not affect OPG's ability to control the Trust. Should a new Financial Services Manager be appointed, a separate assessment would be made as to which party if any would control it
Assessment	The purpose of the Trust is to allow OPG to earn a return on the Intangibe Asset from the IESO by effectively managing financing to earn a spread, earn management fees, and earn interest fees. For the reasons noted above, OPG has control over the decisions to be made about the relevant activities.

Power over the investee	
Criteria	**Analysis**
Identify whether OPG's rights give it the current ability to direct the relevant activities of the Trust (Substantive rights)	See above for relevant activities of the Trust.
Assessment	OPG has the ability to direct the relevant activities of the Trust. OPG can amend the Financing Plan at any time, without approval from the Minister. Further, if the Minister of Energy chooses not to continue with OPG's current Financing Plan, OPG can withdraw its Financing Plan, without impacting the existing debt and related intangible assets that is already in the Trust. The Province would just appoint a new party to participate in future securitizations and OPG would continue to manage the debt that already exists in the Trust. If future financing transactions are with a different SPV, a separate consolidation analysis would be prepared at that time as to which party if any would consolidate the SPV.

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Exposure or rights to variable returns	
Criteria	**Analysis**
Dividends, other distributions of economic benefits from an investee and changes in the value of the investor's investment in that investee [IFRS 10, paragraph B57(a)]	OPG is expected to realize management fees from its activities with the Trust.
Remuneration for servicing an investee's assets or liabilities, fees and exposure to loss from providing credit or liquidity support, residual interests in the investee's assets and liabilities on liquidation of that investee, tax benefits, and access to future liquidity that an investor has from its involvement with an investee [IFRS 10, paragraph B57(b)]	**[NOT YET ADDRESSED IN CURRENT LEGISLATION]** OPG has exposure and rights to variable returns from the Trust in the form of the following: • The Regulations, Trust documents and various agreements will provide that OPG will have significant variability and exposure from the activities of the Trust relative to the rate of return that OPG would recognize from its role as the Financial Services Manager of the Trust. The performance fee will be meaningful and allow OPG to make decisions that will significantly impact its returns. • OPG, through ownership of the most subordinated debt, is exposed to risk of non-collection. Given that the program is expected to run until 2047, this 30 year time period results in uncertainty about the future collection of OPG's amount at risk. OPG and the OFA (5% out of 44% contribution) would be the last parties to get paid in the event that the program stops running due to a change in Government, if electricity demand is not high enough to allow for collection from ratepayers in a timely manner, etc. The end date of 2047 that is prescribed in the Legislation results in uncertainty toward whether this program will continue and whether OPG will have collected its amount at risk at that time. • In the event that there is a market disruption whereby OPG is not able to obtain debt from the financial markets (e.g. due to a recession), the Province will provide funding in the event that OPG wishes to continue purchasing intangible assets from the IESO. This is considered to be a protective right as it does not impact the relevant activities of the Trust, but is designed to protect both parties and does not give either party more or less power over the Trust. It is designed to allow OPG to keep purchasing intangible assets if it wishes to. • Protective rights are typically held to prohibit fundamental changes in the activities of an investee that the holder does not agree with and usually apply only in exceptional circumstances (i.e., upon a contingent event). This is true for this right as it is only applicable if there is a market disruption and the Trust is not able to obtain financing from external markets. Further, the fundamental activities of the Trust would change if it were not able to obtain financing from external markets.
Returns that are not available to	• OPG will have synergistic benefits from combining operating

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Exposure or rights to variable returns	
other interest holders. For example, an investor might use its assets in combination with the assets of the investee, such as combining operating functions to achieve economies of scale, cost savings, sourcing scarce products, gaining access to proprietary knowledge or limiting some operations or assets to enhance the value of the investor's other assets [IFRS 10, paragraph B57 (c)]	functions with the Trust given its extensive knowledge on the market and current regulatory knowledge.
Assessment	To determine which party is the most 'at risk' in the event that the loans default, expected loss rates were obtained from Moody's and DBRS. Using the *Moody's Investors Service – Loss Given Default for Speculative Grade Companies* dated December 4, 2015, the 4-year Idealized Expected Loss ranges from 0.00% for a triple A rated bond to 0.30% for an A3 rated bond. DBRS Expected Loss Ratings give an indication of the expected loss of a loan portfolio. As per a November 2016 publication, the 10-year expected loss rates range from 0.1% for a AAA rated bond to 1.7% for an A (low) rated bond. Given that OPG's subordinated debt is equal to 5% of the total debt, which is higher than the default rates above, 100% of the risk is with both OPG and the OFA since they are the last parties to get paid should there be any default with the debt. OPG is also exposed to variable returns from the Trust from its performance on decisions made on financing alternatives, duration, and the strategy to minimize financing costs through the variable fee component of the management fee. Therefore, OPG has the exposure to variable returns from the Trust.

Ability to use power to affect returns	
Criteria	**Analysis**
Ability of investor to use its power to affect the investor's returns from its involvement with the investee	OPG needs to have both power over the Trust (i.e. as a Principal, not an agent), exposure or rights to the variable returns from the Trust, and the ability to use its power to affect OPG's returns from its involvement with the Trust. OPG has the ability to use its power over the relevant activities of the Trust to affect its returns from its involvement with the Trust through the variable fee component.

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Ability to use power to affect returns	
	Further, the Trust's ability to use its power to affect returns is in a manner that is consistent with being a principal. See *Appendix B* for Principal-Agent analysis.
Assessment	OPG has the ability to use its power to affect returns of the Trust

Conclusion:

Based on the current **[May 1, 2017]** draft of the legislation, the conditions to ensure the ability of OPG to consolidate the operations of the Trust have not fully been reflected. As noted in Appendix A, several conditions must be evident in the Regulations, Trust documents, and various other agreements which are not yet drafted and therefore not yet available for our review and assessment. In OPG's assessment, while no current clause of the Legislation would hamper the ability to effect a consolidation within OPG Inc.'s financial statements, there are several key conditions for consolidation that are currently not present within the Legislation. On the assumption that future Regulations, Trust documents and various other agreements fully capture these operating conditions, and that no new conditions that would conflict with OPG's control of the trust are introduced, OPG believes that consolidation of the Trust is supportable.

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APPENDIX A:

Terms necessary for OPG to consolidate the Global Adjustment Trust

Note that these are assessed against the Legislation proposal 'Ontario Fair Hydro Plan Act, 2017, if enacted V6' sent by Carolyn Calwell on May 1, 2017. These are subject to change as subsequent drafts of the Legislation are issued

Legend:

✓ - Addressed by the Legislation drafted May 1, 2017

RT – Not addressed by Legislation and must be addressed in Regulations, Trust Documentation or various other agreements

Ω - Will not be addressed in Legislation/Regulations or Trust but is the intended plan

Issue	No.	Requirements
Directive	1 ✓	The Trust must be undertaken by OPG as a business initiative on its merits. A Shareholder Directive is to be limited to direct OPG to investigate the option of establishing a Trust vehicle to administer, finance and operate the Global Adjustment plan and the operation of that Trust and the control, risk and rewards of that Trust will determine its consolidation into OPG as a business enterprise ***MET - The Province will not direct OPG to participate in the Fair Hydro Plan. A letter was issued from the Minister of Energy to OPG on April 13th requesting OPG's involvement in the implementation of the Fair Hydro Plan. OPG's Board Chair responded to the Minister on April 18th committing OPG to work with the IESO and OEB to develop a plan. OPG will have the option to prepare, implement and amend a financing plan (in accordance with principles set out in legislation) and propose the adoption of such plan as the 'Financing Plan'. OPG will have the right to withdraw its financing plan at any time.***
Trust	2 RT	The Trust should not operate in a predetermined way such that OPG does not have decision-making authority over the Trust's ongoing activities after its formation (i.e. should not operate on 'autopilot') ***OPG will be the sole unit holder of the Trust. All decisions over the relevant activities of the Trust (as described above) will be made by OPG.***
	3 RT	OPG must have the ability to appoint and remove the Trustee (or Board of Trustees) with no veto right by the Province. No party shall have the ability to remove OPG from its role and authority in the Trust ***OPG will be the sole unit holder of the Trust. The Province will be involved in the Board of Trustees, but OPG is expected to have the majority vote.***

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Issue	No.	Requirements
	4 RT	The Province cannot have the right to veto OPG's decisions about the relevant activities of the Trust. OPG must have the power over the relevant activities of the Trust and be compensated. The relevant activities of the Trust include (but are not limited to) the evaluation and decisions on financing alternatives, duration, and the strategy to minimize financing costs. OPG must have the power to establish operating and capital budgets of the Trust. ***OPG will have the ability to make decisions about the financing alternatives, duration, and the strategy to minimize financing costs. OPG will have the power to establish operating and capital budgets of the Trust with no veto right by the Province.***
	5 RT	OPG must have the power to determine or change operating and financing policies of the Trust, which will affect the variability of risks and returns. ***The Regulations, Trust documents and various agreements will provide that OPG will have significant variability and exposure from the activities of the Trust relative to the rate of return that OPG would recognize from its role as the Financial Services Manager of the Trust. The performance fee will be meaningful and allow OPG to make decisions that will significantly impact its returns.***
	6 Ω	The Province or its agencies must not directly or indirectly fund (through debt or equity) more than 50% of the following: a. The Trust b. The most subordinated debt of the Trust ***See below for financing structure.***
	7 Ω	OPG must own at least 50% of the most subordinated debt and must be no less than 5% of the debt of the Trust. Such ownership must be financed entirely by OPG through operating cash flows or external debt without assistance from Provincial sources. ***See chart in Point 6 above***

	Risk Profile	Source	% of Total Funding Requirement
Tranche A Senior Debt	the least risky	Capital Markets	51%
Tranche B Sub Debt	In between A&C	OPG via OEFC	39%
Tranche C Sub Debt	the most risky	OPG via OEFC	5%
		OPG via Capital Markets	5%

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Issue	No.	Requirements
	8 RT	OPG must have the ability to earn variable returns by exercising its authority, which shall be accomplished as follows a The cash flow from the restructured asset shall include interest determined based on a relevant benchmark that is appropriate relative to the restructured asset, plus an appropriate margin consistent with the relevant market and other risks ***The cash flow from the restructured asset will include interest income that is equal to the interest expense (i.e. interest expense is passed back to the ratepayers). The Trust will also receive a margin as discussed in the 'Exposure or rights to variable returns' section above.***
	✓	b OPG shall have the authority to determine the financing strategy, which will vary the financing costs with the objective of enabling the Trust to achieve a more favourable return compared to the benchmark for interest on the restructured asset ***OPG will determine the financing strategy through the proposal of its 'Financing Plan'. The 'Financing Plan' will only be required to follow general Parameters and Principles as set forth in the Legislation but funding decisions will be made entirely by OPG. The Trust will also receive a margin as discussed in the 'Exposure or rights to variable returns' section above.***
	Ω	c The Trust shall establish classes of liabilities (senior, subordinated and the most subordinated). The classes would allow the Trust to delineate financing of lower risk investment and investment that would bear higher residual risk. The delineation would limit OPG's self funded investment to a reasonable level in order to allow OPG to remain a self-sustaining entity ***OPG's portion of the most subordinated debt will be limited to a reasonable level. If it is determined that OPG's portion is not at a reasonable level, OPG has the option to withdraw its Financing Plan.***
	RT	c OPG shall, through its ownership of the most subordinated liability, be able to capture and retain the pricing difference between cost of financing and benchmark for interest on the restructured asset, or any residual risk of restructured asset. The targeted return of the subordinated liability should be reflective of the underlying risks and compensate holders for active management that would be required

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Issue	No.	Requirements
		OPG will be able to capture the pricing difference between cost of financing and benchmark for interest through the performance fee which is described in point 5) above and the 'Exposure or rights to variable returns' section above.
	Ω	d OPG should participate in the detailed design of the above and the Trust documentation to ensure that it has substantive power and variability, which will allow OPG's Board of Directors to evaluate the opportunity as a business initiative instead of through a shareholder directive ***OPG will be involved in the Trust documentation.***
	RT	Defined Forced Majeure for emergency events (e.g. unlikely credit market event or disruption where it is not possible to borrow from the market at a reasonable rate), OFA may provide bridge financing beyond the designated percentage for a defined period ***This will be structured through a separate indemnification agreement. This is not expected to impact consolidation of the Trust because this is seen as a protective right which is only in affect when a contingency arises and not as a result of the relevant activities of the Trust.***
Legislation	9 ✓	The Legislation must require interest, carrying and administrative costs to be paid to the Trust on a monthly basis, so that the Trust is able to recognize appropriate revenue to offset any ongoing costs ***Under Part III – Clean Energy Adjustment – Section 8.3 Terms, of the Legislation, the expectation is that the Legislation will allow for interest payments to be paid to the Trust on a monthly basis in cash. The Trust will not accrue interest to the current intangible asset balances but this interest amount could form part of future intangible assets that are purchased from the IESO.***
	10 RT	The Legislation must dictate the manner in which the restructured asset would be determined, collected, and the period of collection, so that the determination of the restructured asset will not be subject to the Province's decisions on an ongoing basis, but determined based on a formula. Alternatively, the Legislation may allow for an adjustment to the pre-determined deferral formula based on specific parameters that would limit the adjustment to the restructured asset. Adjustments beyond the specific parameters would require approval by the Board of Trustee **The Regulations are expected to dictate the 'Fair Allocation Plan' which will be based on high level Principles and Parameters of the Plan, including the attribution methodology. The Legislation or Regulation determines the following principles:** • **25% Reduction (June 1, 2017) where the average bill will**

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Issue	No.	Requirements
		reduce by 25% including of HST and social programs noted above • Inflation Period (November 2017 – April 2022) where bill increases are capped at inflation • Straight-line Increase Period (May 2022 – April 2027) where bills increased at a straight-line rate (i.e., 8% per year) which is set so that borrowing will not exceed the Trust's capacity. • Amortization Period (May 2027 – April 2047) where debt built up over the previous periods is repaid by ratepayers. OPG will determine the manner in which the intangible asset, once purchased from the IESO will be collected and the period of collection. The recoverability of the existing intangible assets cannot be impacted by the Province. Although the Province may determine the Principles and Parameters around the 'Fair Allocation Plan', it does not impact the activities of the Trust once OPG has purchased the intangible asset.
	11 RT	The Legislation must be written to avoid legal or constitutional challenges and be irrevocable to reduce the cost of borrowing and with a specific formula which determines the deferral amount See above.
	12 RT	The spirit of the above terms should be reflected in the Trust Indenture Agreement as well as Legislation, wherever possible *Trust Indenture and Regulations still outstanding.*

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APPENDIX B:

Link between power and returns: principal-agency situations

The third criterion for having control is that the investor must have the ability to use its power over the investee to affect the amount of the investor's returns. When decision-making rights have been delegated or are being held for the benefit of others, it is necessary to assess whether the decision-maker is a principal or an agent to determine whether it has control. This is because if the decision-maker has been delegated rights that give it power, the decision-maker must assess whether those rights give it power for its own benefit, or merely power for the benefit of others. As an agent cannot have control over the investee, it does not consolidate the investee. A principal may have control over the investee, and if so, would consolidate the investee.

A decision maker shall consider the overall relationship between itself, the investee being managed and other parties involved with the investee, in particular all the factors below, in determining whether it is an agent:

a) the scope of its decision-making authority over the investee

As discussed above, OPG has decision-making authority over the Trust and its relevant activities. The Province has no right to determine what sort of funding decisions OPG should make to fund the intangible assets that they will purchase and OPG can choose not to purchase future intangible asset purchases.
Terms and Conditions to support this point: 1, 2, 3, 4, 5

b) the rights held by other parties (paragraphs B64–B67).

There are no substantive removal rights held by the Province for debt that already exists in the Trust.

Terms and Conditions to support this point: 3, 4, 5

c) the remuneration to which it is entitled in accordance with the remuneration agreement(s) (paragraphs B68–B70).

See section on 'Exposure or rights to variable returns' above.

Terms and Conditions to support this point: 6, 7, 8, 9

d) the decision maker's exposure to variability of returns from other interests that it holds in the investee (paragraphs B71 and B72).

See section on 'Exposure or rights to variable returns' above.

OPG will receive a 44% equity injection from the Province of Ontario, indirectly through the Ontario Financing Authority. Given that currently, the majority (currently 51%) of the Trust debt will be from External Markets and not the Province, it can be argued that OPG did not receive the majority of its interest in the investee as a contribution or loan from the Province. This shows that OPG is a principal, not a de-facto agent.

Terms and Conditions to support this point: 6, 7, 8, 9

Conclusion: OPG is not an agent for the Province as the arrangement does not provide for the Province to directly absorb any variability associated with the structure. If the Province decides to intervene at a later date due to evolving market conditions, an assessment would be made at that future date.

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Analysis on whether OPG is an agent for ratepayers

OPG is not an agent for the ratepayers because OPG has substantive exposure to risk of loss of its own funds. The ratepayers do not have any of their own funds in any of the subordinated tranches and further, no decision making authority is delegated to the ratepayers relating to the relevant activities of the Trust.

Analysis on whether OPG is an agent for the IESO

OPG is not an agent of the IESO because the IESO faces no continuing risk of loss after sale of the intangible asset to OPG.

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MINISTRY OF ENERGY

TREASURY BOARD / MANAGEMENT BOARD of CABINET SUBMISSION

ONTARIO'S FAIR HYDRO PLAN – REPORT BACK

May 9, 2017

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MINISTRY OF ENERGY

1.0 MINISTRY REQUEST

1. The Ministry of Energy is reporting back to the Treasury Board/Management Board of Cabinet (TB/MBC) on following:

    i. Implementation of Global Adjustment (GA) Refinancing;

    ii. Delivery of Electricity Social Programs (i.e., Rural or Remote Rate Protection, Ontario Electricity Support Program and First Nations On-Reserve Delivery Credit); and

    iii. Expansion of Industrial Conservation Initiative (ICI).

2) APPROVE the Ministry funding a media buy procurement with a maximum value of $3,500,000 with PHD Canada, the Advertising Review Board's mandatory-use media planning and buying Agency of Record.

3) NOTE the Ministry of Energy has already spent approximately $1,000,000 with PHD Media in 2016-17 and is forecasting expense of approximately $2,500,000 in 2017-18.

4) NOTE the Ministry of Energy will return to TB/MBC to request a transfer of funds to the Ministry of Energy from the Bulk Media Buy program in Treasury Board Secretariat to fully recover the costs for the public education campaign.

5) APPROVE the creation of a new transfer payment line entitled "Price Mitigation Support Initiatives" under Vote/Item 2905-01, Electricity Price Mitigation, with a $1,000 placeholder, to support future rate mitigation initiatives.

Note: The Independent Electricity System Operator (IESO) is in discussions with the Ontario Financing Authority (OFA) regarding an increase to its current lines of credit with the OFA and OEFC.

2.0 PURPOSE OF REQUEST

On March 2, 2017, the government announced Ontario's Fair Hydro Plan (OFHP), which will lower bills by 25 per cent for a typical residential consumer, starting in the summer of 2017. Up to half a million small businesses and farms are also expected to benefit. Any rate increases for residential consumers over four years would be held to the rate of inflation. Note: These measures include the 8 per cent rebate introduced in January 2017 and builds on previously announced initiatives to deliver broad-based rate relief on electricity bills.

As part of the OFHP approval process, TB/MBC requested that the Ministry "report back" before legislation to enable OFHP was introduced on the following items:

1) GA Refinancing;

2) Social Programs; and

3) ICI Expansion.

In addition to the report back, the Ministry is also requesting the creation of a new transfer payment line, "Price Mitigation Support Initiatives" in Vote 2905-01. The purpose for this is to provide the Ministry an appropriate transfer payment line to support future activities and initiatives around electricity price mitigation for Ontarians.

There is no fiscal impact associated with this request. All new funding placed into the transfer payment lines will be offset by services dollars previously approved within the Ministry's multi-year allocation.

In February 2017, the Ministry reported back to TB/MBC on the details related to the establishment of the new Affordability Fund announced in the OFHP. In April 2017, the Affordability Fund Trust was established. It is expected that electricity distributors will be able to begin applying to the Affordability Fund Trust in Summer 2017.

The Ministry has developed proposed legislation to implement key components of OFHP by summer 2017, and address financing, accounting and legal issues raised in the March 1, 2017 Cabinet Submission. Note: The Ministry is also preparing a number of supporting regulations to enable implementation of OFHP.

1. GA Refinancing:

Ontario's energy system is being transformed – more than $50 billion has been invested to decarbonize and modernize the electricity system, including an investment of over $35 billion in clean and renewable generation.

Over the last decade the government has invested in Ontario's transmission and distribution infrastructure (i.e., the grid), clean generation and phased out the use of coal-fired generation, which has resulted in electricity prices increasing.

Proposal

On March 2, 2017, as part of OFHP, it was announced that a portion of the GA would be refinanced in order to fairly allocate costs across present and

future generations of electricity consumers with respect to investments made to decarbonize (i.e., phase-out coal) and modernize Ontario's electricity system (i.e., build and maintain a reliable electricity system).

Refinancing a portion of GA provides significant and immediate rate relief by spreading the cost of electricity investments over the expected lifecycle of the infrastructure that has been built. For example, by recognizing that generation assets are expected to continue to provide residual benefit to future ratepayers, beyond the term of current contracts, future ratepayers are expected to be able to utilize these assets and reduce the need to finance the development of new generation assets.

Under this proposal, the electricity bills of current residential consumers would be reduced by 25 per cent on average starting in summer 2017. In addition, increases to electricity bill would be held to the rate of inflation for four years. Up to 500,000 small businesses and farms would also benefit.

Implementation

To implement GA refinancing and mitigate financing, accounting and legal risks, the Ministry has:

- Worked closely with key ministries (i.e., TBS-OPCD, MOF-OFA/IGS, MAG, CO), OEB, IESO, OPG and their independent advisors and third party financing (i.e., dealers);
- Developed proposed legislation to respond to the financing, accounting and legal issues outlined in the March 1, 2017 Cabinet Submission. Note: The Ministry is also preparing a number of supporting regulations;
- Sought independent advice regarding financing, accounting and legal requirements from E&Y (OPG), KPMG (IESO), TD Securities (OFA) and Blakes (ENERGY);
- Launched a third party research project to assist with implementation of GA refinancing; and
- Developed comprehensive risk-based costing, including forecast models and sensitivity tests on key assumptions.

Proposed legislation to enable GA refinancing is planned for a May 2017 introduction.

2. Social Programs:

To date, a number of electricity support programs are funded through the electricity rate-base. There is opportunity to provide support to a more targeted subset of customers who are disproportionately affected by increased electricity costs and to shift these costs to the tax base.

These customers include:

- **High Distribution Cost Customers:** Some customers in rural areas where the cost to distribute electricity is high can experience difficulty in reducing their electricity bill through conservation, particularly when reliant on electric heating.
- **Low-Income Customers:** Rising electricity costs make up a disproportionally large amount of the household expenditures for low-income households.
- **First Nation On-Reserve Customers:** On-Reserve First Nations customers experience challenges with energy affordability and are seeking to address historical grievances associated with electricity system infrastructure.

The proposed legislative amendments enable the creation or expansion of programs that provide meaningful rate relief to these customers.

Proposal

The Government is proposing to introduce legislation and regulatory changes for the enhanced electricity support programs which will shift costs from the rate base to the tax base, as well as establish the necessary frameworks to deliver these new or enhanced programs.

Rural or Remote Rate Protection

Rural or Remote Rate Protection (RRRP) mitigates some of the high costs of electricity distribution in rural or remote areas of the Province. It is a legacy program of the old Ontario Hydro and has existed in its current form since 2001.

The legislative proposal enables, through regulation, the transfer of the costs of funding the program for Hydro One's R2 customers from the rate-base to the tax-base for prescribed customers.

- R2 customers are those customers of Hydro One classified as living in the lowest density areas of the Province.

Distribution Rate Protection

While the RRRP program helps mitigate some of the higher distribution costs for Hydro One R2 customers, as well as certain customers served by Algoma Power, Hydro One Remote Communities and James Bay First Nation LDCs, there is an opportunity to provide further relief to consumers served by higher cost distribution cost LDCs.

Proposed legislation will enable tax-based funding to support distribution rate protection for prescribed residential customers of LDCs with high-cost distribution rates. If passed, the eight high-distribution cost LDCs whose customers are eligible customers will be prescribed in regulation. Residential customers of Algoma Power and Hydro One R2 customers would be eligible for additional relief as these LDCs are the highest cost distributors in the province (as well as six additional higher-distribution cost LDCs).

Proposed legislation enables the establishment of a maximum monthly base distribution charge for those prescribed customers. If the proposed legislation is passed, the mechanism to set this charge will be established in regulation.

On-Reserve First Nations Delivery Credit

On July 12, 2016, the Province and First Nations in Ontario announced an agreement-in-principle for the Province to sell to First Nations for their collective benefit, shares of Hydro One Limited.

The Province would sell up to approximately 15 million shares (2.5 per cent of total current outstanding Hydro One common shares), depending on the level of First Nation participation, to a new collective investment fund owned by First Nations.

As part of discussions on Hydro One shares and rates at COO's All Chiefs Conference and the First Nations-Ontario Energy Table, the Minister of Energy issued a letter directing the OEB to prepare a report providing "advice on options for an appropriate electricity rate (or rate assistance) for on-reserve First Nations electricity consumers". The proposal is premised around the findings in the OEB Report submitted to the Ministry on December 29, 2016.

The program proposal involves the elimination of the delivery charge, or monthly service charge for those customers served by LDCs that do not have a delivery charge, for on-reserve customers prescribed in regulation.

The resulting First Nations Delivery Credit is a reflection of First Nation leadership on this issue and an example of the Political Accord coming to life.

Ontario Electricity Support Program (OESP)

The OESP began on January 1, 2016 as a rate-payer funded program to provide relief to low income Ontarians who are struggling to afford their electricity bills. The OEB administers the program.

The Fair Hydro Plan committed to move the program from the rate base to the tax base, and to expand the OESP by increasing the credit amounts by 50 per cent, making more Ontarians eligible for the program, and aligning the OESP with other social assistance programs to increase uptake.

On March 23, 2017, the OEB issued a Decision and Order to end the OESP volumetric charge paid by all Ontario consumers on May 1, 2017 ($0.0011 per kilowatt-hour of power consumed). On April 10, 2017, Cabinet approved amendments to the OESP regulation (O.Reg. 314/15) to increase credit amounts by 50% and introduce new eligibility categories so more Ontarians can access the program. These changes will also come into effect on May 1, 2017.

The amendments to the *Ontario Energy Board Act, 1998* pertaining to OESP will move the program funding from the rate-base and transfer it to the tax-base, and enable alignment of the OESP with social assistance programs delivered by the Ministry of Community and Social Services.

Implementation

Rural or Remote Rate Protection (RRRP)

Appropriated funds shall be used to offset the cost of the RRRP program for electricity consumed on or after July 1, 2017.

The implementation of the amended RRRP program (moving the majority of costs to the tax base) will require oversight of the money appropriated from the legislature by the Ministry of Finance (MOF).

The OEB sets amount that LDCs charge for RRRP to all customers. Once the regulatory mechanism is in place to enable the recovery of the majority of RRRP costs from the tax base, the OEB will significantly reduce the RRRP charge. Change to the funding structure of the program does not require any additional implementation risks or efforts.

Distribution Rate Protection

Appropriated funds shall be used to offset the cost of providing distribution rate protection to prescribed residential distribution rate protected consumers based on electricity consumed on or after July 1, 2017.

LDCs and eligible customers would be prescribed in regulation, if the legislation is passed. Additionally, the Ontario Energy Board would be empowered by regulation to determine the rate at which affected LDCs would be harmonized.

The efforts required to implement the program will fall upon the impacted LDCs who will need to adjust their billing systems in order to carry out the program.

On-Reserve First Nation Delivery Credit

A new regulation will need to be passed to set out the program particulars including eligibility for the program.

The LDCs will need to enter into communication plans in order to work with local First Nations Band Councils and to increase awareness of the delivery credit to all eligible consumers.

There are transitional provisions for both the enhanced rate protection and First Nations Delivery Credit that provide distributors with a prescribed time by which they must have adapted their billing systems while maintaining program eligibility for the rate assistance being provided. As part of the regulations, Energy intends to prescribe eligibility as of July 1, 2017. Distributors would be given a three month transitional period to begin delivering the rate assistance by no later than October 1, 2017.

Ontario Electricity Support Program

A legislative amendment to the *Ontario Energy Board Act, 1998* will allow funding to shift from the rate base to the tax base. The amendments will be proclaimed into force at a later date when the OESP charges collected to date (which are being held in an IESO variance account) are depleted. Amendments to the OESP regulation (O.Reg. 314/15) will be needed to implement these legislative changes.

3. ICI Expansion:

Ontario is committed to providing competitive electricity rates for energy intensive consumers in the manufacturing sector while also promoting electricity conservation.

In January 2011, the Industrial Conservation Initiative (ICI) was announced to help large industrial electricity power users better manage their electricity costs while reducing electricity consumption during peak periods.

ICI provides a strong incentive for large electricity consumers to shift their electricity consumption to off-peak hours to reduce their bills by about one-third. Reducing peak demand increases the reliability of the electricity system, reduces greenhouse gas (GHG) emissions and helps defer the need to procure new resources. There are currently about 300 participating consumers who collectively reduced Ontario's peak demand by an estimated 1,000 MW in 2015.

Proposal

On March 2, 2017, as part of OFHP), the government announced plans to further reduce the ICI threshold from 1 megawatt (MW) to 500 kilowatts (kW) and to target more small manufacturing and industrial consumers.

- As of January 1, 2017, the regulatory amendments came into effect to make ICI available to electricity consumers with an average monthly peak demand greater than 1 MW. The lowering of the ICI threshold to 1MW and removal of sector restrictions was announced in the 2016 Speech from the Throne.

Implementation

Effective April 13, 2017, electricity consumers and market participants in the manufacturing and greenhouse sectors in Ontario with an average monthly peak demand of greater than 500 kW and less than or equal to 1 MW are eligible to opt-in to ICI. Billing for electricity consumers that opt-in to ICI begins July 1, 2017.

- Provisions were also provided to allow electricity consumers to continue their participation in ICI if their demand falls below the monthly peak demand threshold while participating in certain prescribed Conservation and Demand Management (CDM) programs and/or Ontario Climate Change Solutions Deployment Corporations (OCCSDC) programs and pilots.

In addition, the Ministry has retained the Ontario Chambers of Commerce (OCC) and the Canadian Manufacturing and Exporting (CME) to undertake targeted stakeholder outreach on ICI and other cost saving energy programs/measures available to the commercial and industrial sectors in Ontario.

3.0 KEY CONTEXT

On March 2, 2017, the government announced Ontario's Fair Hydro Plan (OFHP), which would reduce the electricity bills of residential consumers by 25 per cent on average starting in summer 2017. In addition, increases to electricity bill would be held to the rate of inflation for four years. Up to 500,000 small businesses and farms would also benefit.

OFHP also announced other measures to enhance business competitiveness, helping vulnerable consumers and bend the future cost curve of electricity (see Background for details).

On April 20, 2017, the OEB announced new Regulated Price Plan (RPP) rates effective May 1, 2017 that include a portion of the bill reduction proposed under OFHP and the shifting of the funding of the OESP to provincial revenues. The full reduction from OFHP is expected to be addressed through a July 1st RPP rate adjustment.

The Ministry's report back to TB/MBC focuses on the following OFHP initiatives:

1) GA Refinancing:

As part of OFHP, it was announced that a portion of the GA would be refinanced in order to fairly allocate costs across present and future generations of electricity consumers with respect to investments made to decarbonize (i.e., phase-out coal) and modernize Ontario's electricity system (i.e., build and maintain a reliable electricity system).

- Today's electricity consumers have been responsible for the costs of investments in developing the clean, modern and reliable electricity system that Ontario has today and that will continue to provide benefit to future generations. There is an opportunity to recognize the long-term benefit of these generation assets to the electricity system and "bring forward" that benefit for ratepayers today by deferring some of the current costs.

Refinancing a portion of GA provides significant and immediate rate relief by spreading the cost of electricity investments over the expected lifecycle of the infrastructure that has been built.

To implement GA refinancing and to mitigate the financing, accounting and legal risks, the Ministry has:

- Worked closely with key ministries (i.e., TBS-OPCD, MOF-OFA/IGS, MAG, CO), OEB, IESO, OPG and their independent advisors and third party financing (i.e., dealers);
- Developed proposed legislation to respond to the financing, accounting and legal issues outlined in the March 1, 2017 Cabinet Submission. Note: The Ministry is also preparing a number of supporting regulations;
- Sought independent advice regarding financing, accounting and legal requirements from E&Y (OPG), KPMG (IESO), TD Securities (OFA) and Blakes (ENERGY);
- Launched a third party research project to assist with implementation of GA refinancing; and
- Developed comprehensive risk-based costing, including forecast models and sensitivity tests on key assumptions.

Financing, Accounting and Legal Risk Considerations / Mitigations

The Ministry was asked to report back to TBS/MBC with on details on how financing, accounting and legal risks would be mitigated.

Financing

OFHP Legislation

The purpose of the proposed legislation is to support the Government of Ontario's commitment to ensure that the costs of investments in the electricity system are allocated fairly among present and future generations of consumers. Costs to be allocated include clean and renewable generation facilities, conservation, demand management, energy efficiency programs.

The supporting legislation defines the mechanisms and framework that would achieve the refinancing of the (GA), including:

- Fair Allocation Amount: Is a calculation and allocation of clean energy costs over time. It is expected that the calculation would lead to decreased rates in the near term with rates higher than forecast in the long term. The Minister of Energy is to calculate the Fair Allocation Amount and provide the amount to the Financial Services Manager

(OPG). Subsequent calculations may be undertaken by other agents as prescribed by the Minister.

- Fair Adjustment: Sets out the mechanism for the Ontario Energy Board (OEB) to determine the "relief", including the initial decrease in rates to achieve the 25% decrease, for the period July 1, 2017 to April 30, 2018. Under the legislation, the OEB must determine the amount within 15 business days of the legislation coming into force. The Fair Adjustment also allows the Lieutenant Governor in Council (LGIC) to make regulations prescribing electricity rates for the period May 1, 2018 to June 30, 2021.

- Clean Energy Adjustment: Is the mechanism to recover the under-collection of GA from eligible consumers during the recovery period. This is an adjustment to a consumer invoice on a monthly basis to repay principal, interest and other financing. IESO and each electricity distributor will act as an agent for the financing entity to impose, invoice and collect the clean energy adjustments.

The Ministry has prepared legislation and regulations in close collaboration with key ministries (i.e., TB, MOF, AG and CO), agencies (i.e., OEB, IESO, OPG) and third party financial advisors.

- The proposed legislation enables the province to provide assurances in the form of a "provincial guarantee" to OPG and investors regarding the permanence of the GA Refinancing framework and the authority of the legislature to pass the legislation. The intent is to ensure that the full value of any investment is recoverable.

- The legislation also enables the Province to guarantee borrowing of the trust in the event of a market disruption to mitigate OPG's financing risk. Specifics of these guarantees will be determined in agreements to be negotiated later this year

It is still possible that the full value of the Regulatory Asset may not be purchased. In such cases, IESO may be able to retain the unsold amounts recorded in its variance account for a short period of time.

In addition, the Ministry has been worked closely with the Ontario Financing Authority (OFA) and TD Securities (TD), as the Province's external financial advisor, on the financing structure (i.e., legislation, provincial guarantees, OPG's equity injections and IESO's enhanced credit facilities).

In particular, the proposed legislation enables a structure that OFA and TD believe will enable financing at a reasonable cost. Key elements that support this financing structure include:

- OPG issuances of subordinated debt to the SPV/Trust representing up to 49% of total borrowing; and
- Conditional (springing) guarantees by the Province to provide a backstop in the event of specific and limited events (e.g., changes to legislation that harm investor interests).

Note: The ability to finance and the cost of financing will only be known with certainty once OPG takes this structure to market.

OPG Financing / OPG Equity Financing

The ability to engage in the fair distribution of clean energy costs requires financing during periods where the collection of the clean energy costs is deferred to later years. The proposed legislation outlines mechanisms that are required to enable the financing and meet requirements for rating agencies and investors.

IESO will have a funding gap resulting from the reduction in amounts collected over four years. The legislation enables IESO to record the under-collection of GA in a variance account, and deems this under-collected amount to be a "Regulatory Asset".

- OEB would determine rates to allow IESO to recover under-collection recorded in its variance account.
- IESO is authorized to sell all or a portion to the OPG Special Purpose Vehicle (SPV)/Trust under the Financing Plan.

As part of supporting the financing and administration of the GA refinancing mechanism, it is expected that OPG would purchase the right to future cash flows from IESO on an ongoing basis.

The sale of the regulatory asset from IESO to the OPG Special Purpose Vehicle (SPV)/Trust creates an "Investment Asset".

- The Investment Asset allows for the recovery of the under-collected GA as the Investment Asset may in turn be sold to other investors or group of investors.

The Ministry has worked closely with third-party financial advisors in advance of and throughout the drafting process to help to ensure that the proposed legislation enables refinancing of the GA.

These purchases would be financed in part by capital infusions from the Province to OPG for the purposes of stabilizing OPG's capital structure:

- OPG would require monthly "equity injections" from the Province which would be fiscally neutral as OPG would issue new shares to the Province in exchange;
- Funds from the Province would flow from the Ontario Financing Authority (OFA); and
- The Ministry, OFA and OPG are working through the specific mechanisms, timelines and share features.
- It is anticipated that the initial equity injection would take place as early as June 2017.

Through PRRT, the Ministry of Energy received approval for the creation of an operating asset "OPG Share Purchase" and expenditure increase of $1.1billion in 2017-18 within Vote 2905-5, which is based on the latest estimates by IESO, and provides flexibility to account for forecasting uncertainty. This approval is pending passage of the proposed legislation.

OPG will provide a two year forecast of its equity requirements to the Ministry on annual basis, as part of OPG's business plan process. Note: While included in the business plan, equity requirements will not form part of the Ministry of Energy's concurrence process.

For future funding requirements, the Ministry will seek appropriation through the PRRT process.

OPG will seek to achieve the highest possible credit rating (i.e., AAA is possible) in order to reduce borrowing costs and attract a wide investor base. Credit ratings will depend on provisions in legislation, regulation and agreements as well as the capital structure of the SPV / Trust. Despite these factors, rating agencies may see the Province's rating forming a ceiling given the contingent guarantees that the Province will provide (described above).

In addition, given the long term nature of this program (i.e., approximately thirty-years), the calculations related to refinancing of the GA set out in the proposed legislation will be subject to fluctuations in Ontario electricity demand, GA and interest rates in the medium to long-term.

- Should electricity demand be higher than forecast as a result of greater electrification, the cost of paying off the debt will be spread over a greater pool of consumption and decreasing future costs for individual

ratepayers. Note: The reverse is also true in regards to decreasing demand.

- Should interest costs increase from the assumed 5%, total borrowing costs would rise. Given that this is a unique offering, managing investor confidence will be key to ensure borrowing costs don't rise. Note: The reverse is also true in regards to interest rates being lower than assumed.

IESO's Credit Facilities

IESO is in discussions with the Ontario Financing Authority (OFA) regarding an increase to its current "line of credit" with the OFA and OEFC (i.e., credit facilities). The increases are in response to IESO role in the delivery of OFHP and to provide a necessary buffer to fund short periods where OPG SPV/Trust does not fund a shortfall.

IESO advises that this is important not only for IESO solvency, but also to maintain its credit rating (i.e., IESO's contracted suppliers' credit arrangements are often based on IESO maintaining a certain rating).

IESO would require financing to compensate generators should it be required to hold any portion of the unpurchased Regulatory Asset beyond each monthly settlement period. OPG Trust is not expected to access public capital markets monthly, nor is it required to purchase the regulatory asset. Therefore, IESO will need a credit facility for interim financing. IESO may also require longer-term financing to maintain the deferral financing plan, should the OPG Trust not be able to access debt markets on a timely basis for purchase of some or all of the regulatory asset.

Accounting

The legislation to enable GA refinancing has benefitted from the review and input of IESO/KPMG, OPG/E&Y and OPCD/E&Y.

The proposed legislation establishes mechanisms to enable the funding, sale and transfer between IESO and OPG that respond to the accounting requirements and advice outlined in the March 1, 2017 Cabinet Submission, such as concerns regarding consolidation by the Province.

Under the proposed legislation, OEB will issue an "accounting order" to authorize IESO to create a variance account in which it will record the funding shortfall and recover the shortfall in accordance with the legislation and regulations. This satisfies accounting concerns regarding OEB oversight in the establishment of the Regulatory Asset.

IESO will effectively sell the "right to collect" deferred future revenue from ratepayers to OPG in return for cash proceeds.

The proposed legislation and the associated amendments to the Electricity Act, 1998, enable OPG to create OPG's SPV/Trust as a stand-alone entity able to conduct business separately under a Trust agreement.

To recover its revenue shortfall, IESO will establish a Regulatory Asset that it would sell to OPG's SPV/Trust.

KPMG

The Ministry has worked closely with the Independent Electricity System Operator (IESO) and KPMG on the accounting considerations of GA Refinancing (i.e., legislation, applications of accounting standards/principles, minimizing consolidation risks and ability to establish a regulatory asset).

In particular, the proposed legislation provides a structure that IESO and KMPG believe meets the necessary accounting requirements. Key elements include:

- An IESO variance account created by the proposed legislation that would be recognized as a "regulatory asset".

- An Ontario Power Generation (OPG) special purpose vehicle (SPV) / Trust that would not controlled by IESO and thus have no consolidation risk for IESO.

In addition, KMPG provided some commentary on the accounting requirement for the "derecognition" of the regulatory asset once it's sold to OPG SPV/Trust. KPMG advised that the regulatory asset should be derecognized upon transfer to the OPG SPV/Trust as IESO no longer has rights or obligations to the asset (i.e., the transformation from a regulatory asset to an investment asset).

OPG

The Ministry has worked closely with the Ontario Power Generation (OPG) and E&Y, on the accounting requirements to enable GA Refinancing with respect to consolidation (i.e., legislation, applications of accounting standards/principles, establishing a special purpose vehicle (SPV) / Trust).

The proposed legislation and the associated amendments to the Electricity Act, 1998, enable OPG to create OPG's SPV/Trust as a stand-alone entity able to conduct business separately under a Trust agreement. Note: To further support the operations and mechanics of the OPG SPV/Trust,

additional work will be done through the regulations and supporting agreements/documents.

- OPG will have the authority to set up the SPV/Trust and assign it with powers regarding decision-making, funding and ongoing operation.
- OPG and IESO are developing a process that will allow interest payments to occur under GA Refinancing.

Based on the existing and proposed legislation, key operating conditions being addressed in regulations and supporting agreements/documents and no introduction of new conditions that would conflict with OPG's control of the SPV/Trust, E&Y concurs with OPG's assessment that the accounting requirements to support "consolidation" of OPG SPV / Trust with OPG Inc. can be met.

Legal

In principle, refinancing the Global Adjustment (GA) to spread the costs of generation and conservation assets over the useful life of the assets presents only a "low" risk of being an unconstitutional tax, as each cohort of consumers pays for a proportion of the GA cost roughly equal to the proportion of the benefit they receive from the useful life of the assets.

Legal risk arises if it becomes apparent that the Government is not spreading cost so that it is shared proportionately by future consumers who cause a need for or benefit from the generation asset, but rather is doing so in order to lower the price in the "short" term by increasing the price in the long term. If the proposed financing served to encumber future consumers with a premium payment to cover the GA financing in order to subsidize current ratepayers, then there would be a moderately high constitutional risk that the financing proposal would result in an unconstitutional tax.

Former Supreme Court Justice Ian Binnie has provided a legal opinion concluding that the current proposal is at a moderately high risk of being a tax, for the following reasons:

- The degree of constitutional risk is in direct proportion to the extent the government is not able to show a proper match between the cost of providing facilities for electricity generation and the group of consumers who benefit year to year from electricity generated by those facilities.
- If the government fails to establish that the relevant electricity generating assets will continue to perform economically over the 30-

year period, or if the GA charge is in the opinion of the Court disproportionately backend loaded, the GA will not qualify as a regulatory charge (and would be characterized as a tax).

- By shifting costs to the 20-30 year customers, the government may in reality be disproportionately back-end loading the GA with the effect that the 20-30 year consumers will be subsidizing the 1-20 year consumers.

- The judges can be expected to be aware of the difficult political problem of high energy costs in in Ontario, and will take a careful look at the government's evidence in support of the re-allocation of the GA.

The legislation contains provisions to mitigate the constitutional law risks, including requiring the Minister of Energy to reallocate estimated clean energy costs attributable to each reference period in a way that takes into account the need to align those costs with the estimated clean energy benefits attributable to the same period. Limiting the near-term rate reductions to such amounts which can be justified as counterbalancing disproportionate GA payments during the 2005-2017 period ensures that the statutory 25% reduction is consistent with proportionate reallocation.

The bill provides for provincial assurances, guarantees and a statutory cause of action.

The provincial assurance provision is intended to mirror as closely as possible the language of a similar provision that appears in legislation in the United States that purports to limit a state legislature's ability to enact legislation that would affect the transaction.

The main legal risk associated with the provision is that its precise legal purpose and intended effect are not clear. Under Canadian law, it is not possible for legislation to limit the future exercise of legislative power by the Legislature, including the power to amend or repeal statutory provisions or to expropriate private rights conferred under past statutes.

In light of this limitation, the U.S. provision has been modified to focus on possible actions by the executive branch of government that might undermine the value of the proposed securities (including regulation-making), rather than seeking to constrain the Legislature's powers. However, in the absence of some future statutory amendment, it is not clear what, if any, executive action could have the effect of undermining the payment obligation that would be

imposed on consumers under the Act and, therefore, it is not clear what practical risk the provision is designed to mitigate against. This uncertainty creates a risk that a reviewing court could construe the provision in unanticipated ways.

The guarantee provisions are intended to backstop the provincial assurance provision and provide that:

- The Minister of Energy and Minister of Finance may, with LGIC approval, enter into agreements regarding the performance of IESO or electricity vendors; and

- The Minister of Energy and Minister of Finance may, pursuant to LGIC order, agree to guarantee and indemnify any debt, obligation, security or undertaking associated with an investment interest.

Legal risk to the province will be assessed as the agreements are negotiated and drafted.

A statutory cause of action may be created by LGIC regulation. Much like the provincial assurance provision, the statutory cause of action provision is intended to mirror features of US legislation. Legal risk to the province will be assessed as the regulation defining the statutory cause of action is developed.

The Ministry retained Blakes to provide external legal advice in the development of the legislation. The Blakes team provided securitization, constitutional law, energy sector and government expertise. This team was integral to balancing the accounting, legal and finaceability imperatives, as well as differing interests among OPG, IESO, OEB and investment dealers, in crafting the legislation. Blakes will continue to advise through the development of regulations and the commercial agreements that will ensue.

Navigant Analysis

Navigant Consulting has been retained and is conducting research and analysis that would support the implementation of GA refinancing. Specifically, Navigant is conducting analysis that would inform the expected lifecycle of existing generation infrastructure. Navigant is also analyzing the financial benefits that could be achieved by more closely aligning the costs of this infrastructure with the period over which it is expected to provide benefits. In addition, the Ministry has asked for analysis of the social, health and environmental benefits of phasing-out of coal-fired generation in the province and identify which, if any of these benefits are already accounted for in generator contracts.

2) Social Programs:

Program Design

Rural or Remote Rate Protection (RRRP)

The legacy RRRP program remains intact with no changes made to the amount of the rate protection or the eligible LDCs. The proposed legislation provides the authority for the government to prescribe classes of customers, customers or LDCs that would be funded through the tax-base rather than the rate-base.

If passed, the government proposes to identify Hydro One R2 customers, as having their RRRP funded through appropriated funds.

Distribution Rate Protection

New Distribution Rate Protection program, to complement the Rural or Remote Electricity Rate Protection (RRRP) program, would be established through proposed legislative amendments under the *Fair Hydro Act, 2017,* and the creation of consequential regulations. Eligible residential customers would have their monthly base distribution charges held to a maximum amount.

Distribution rate protection would be extended to eligible residential customers served by LDCs with the highest distribution costs. Roughly 800,000 customers would receive benefits from the broadened rate protection.

Customers of the following LDCs are eligible for the enhance protection: Hydro One (R1 and R2 rate classes), Algoma Power, Atikokan Hydro, InnPower, Chapleau Public Utilities Commission, Sioux Lookout Hydro, Lakeland Power (Parry Sound service territory) and Northern Ontario Wires Inc.

On-Reserve First Nations Delivery Credit

Eligible on-reserve customers will receive a 100% delivery credit or the elimination of their monthly service charge on their electricity bills. The eligibility requirements will be prescribed under regulation.

There are 11 LDCs identified by OEB that provide service to on-reserve customers affected by the program. These include: Algoma, Attawapiskat, Bluewater, Cat Lake, Cornwall, Fort Albany, Kashechewan, Hydro One,

Remote Communities, PUC(Sault Ste. Marie), Thunder Bay. In total, about 21,500 customers may be eligible.

Ontario Electricity Support Program (OESP)

The OESP is an income-tested, application based program that lowers electricity costs of the most vulnerable consumers by a rebate directly on bills. The OESP is currently funded by the rate base.

OESP credits vary by income level and family size, and there are two credit scales that include:

- The basic program credit ranges from $30/month to $50/month.
- An enhanced credit that ranges from $45/month to $75/month for consumers that are either Indigenous, use electric heat or use certain electrically intensive medical devices.

Ontario's Fair Hydro Plan (OFHP) committed to move the program from the rate base to the tax base, and to expand the OESP by increasing the credit amounts by 50 per cent, making more Ontarians eligible for the program, and aligning the OESP with other social assistance programs to increase uptake.

The proposed legislative changes will address the move to the tax base, and regulatory changes approved by Cabinet on April 10, 2017 will enable the expansion of the OESP effective May 1, 2017. Discussions are ongoing with the OEB and MCSS on aligning OESP delivery with other social assistance programs.

Roles and Responsibilities

Rural or Remote Rate Protection

The roles and responsibilities of the Board remain the same in terms of administering the legacy RRRP program. ENERGY will now be responsible for appropriating the funds from the legislature on an annual basis to cover the costs faced by those consumers or classes of consumers prescribed under regulation (namely Hydro One R2 customers).

Enhanced RRRP or Distribution Rate Protection

The Board would be empowered, by regulation, to set the maximum monthly base distribution charge, based on prescribed criteria.

ENERGY would once again need to appropriate money from the legislature to cover the costs of administering the program.

On-Reserve First Nations Delivery Credit

ENERGY would be responsible for appropriating the money from the legislature to cover the costs of administering the credit to on-reserve customers. In addition, ENERGY would need to work with LDCs, Chiefs of Ontario and Band Councils to ensure the program is delivered to all eligible consumers.

Ontario Electricity Support Program

The OEB will continue to the deliver the OESP under the current legislative framework until the variance account is depleted. When legislative changes to shift the program from the rate base to the tax base are proclaimed, the OEB will continue to administer the program, but certain decision making responsibilities and oversights will shift to the Minister of Energy.

MCSS will begin supporting OESP uptake by helping social assistance clients to apply to the OESP. Legislative and regulatory changes will enable this work.

The IESO will continue to manage payments to utilities, unit sub-meter providers, and the OEB in relation to OESP credit delivery and program administration costs. When legislative changes are proclaimed, IESO will begin reporting costs to the Ministry to support forecasting and audit.

3) ICI Expansion:

As part of OFHP, the government announced plans to further reduce the ICI threshold from 1 megawatt (MW) to 500 kilowatts (kW) and to target more small manufacturing and industrial consumers.

Effective April 13, 2017, electricity consumers and market participants in the manufacturing and greenhouse sectors (i.e., with North American Industry Classification Standard (NAICS) codes commencing with the digits "31", "32", "33", and "1114") in Ontario with an average monthly peak demand of greater than 500 kW and less than or equal to 1 MW are eligible to opt-in to ICI. Billing for electricity consumers that opt-in to ICI begins July 1, 2017.

In addition, the Ministry has retained the OCC and the CME to undertake targeted stakeholder outreach.

The rate-base impact of expanding ICI to consumers in the manufacturing and greenhouse sectors is expected to be modest for non-ICI participants. **Note:** The extent of the impact will depend on the uptake in the newly

expanded ICI. The Ministry of Energy regularly monitors electricity prices and electricity demand for all classes of electricity consumers and would be able to assess the potential impacts of the regulatory amendments, starting after July 2017.

4.0 BACKGROUND

Decarbonizing and Modernize Ontario's Energy System

Ontario's energy system is being transformed – more than $50 billion has been invested to decarbonize and modernize the electricity system, including an investment of over $35 billion in clean and renewable generation.

Over the last decade the government has invested in Ontario's transmission and distribution infrastructure (i.e., the grid), clean generation and phased out the use of coal-fired generation, which has resulted in electricity prices increasing.

The Ministry of Energy has taken a number of actions to lower electricity costs for all consumers by:

- Deferring investments in generation (e.g., new build nuclear), improving market efficiency (e.g., wind dispatch) and decreasing the cost of renewable procurements (e.g., Green Energy Investment Agreement (GEIA) renegotiation, decreasing Feed-In Tariff (FIT) prices; and

- Increasing cost effectiveness and improving efficiency by adopting new electricity market approaches (e.g., no new NUG contracting and demand response).

Following the 2016 Speech from the Throne, several actions were announced to further reduce electricity costs:

- As of January 1, 2017, Ontario is rebating an amount equal to the provincial portion of the HST to reduce eligible residential, small business and farm electricity bills by 8 per cent.

- Expanded support to eligible rural consumers by updating Rural or Remote Rate Protection (RRRP) with the additional relief, decreasing total electricity bills by an average of $45 each month when combined with the 8 per cent rebate.

- Expanding the Industrial Conservation Initiative (ICI) – up to one-third savings for participants.

- Suspending the LRP II and the Energy from Waste Standard Offer Program (EFWSOP) – up to $3.8 billion in savings.

- Limiting the Feed-In Tariff (FIT) 5 procurement target to 150 MW and suspending future FIT procurements – average annual savings of $15 million.

Ontario's Fair Hydro Plan

On March 2, 2017, the government announced Ontario's Fair Hydro Plan (OFHP). The OFHP includes the following:

- Refinancing the GA over a longer period for Regulated Price Plan (RPP) eligible consumers, including residential consumers and most small businesses and farms.

- Shifting cost recovery for Rural or Remote Rate Protection (RRRP) and Ontario Electricity Support Program (OESP) from electricity bills to the tax base, lowering the regulatory charges paid by ratepayers. Consumers of all sizes would benefit from this change.

- Helping vulnerable electricity consumers by enhancing electricity support programs, including:

  - Broadening RRRP to provide delivery charge relief for the customers of the local distribution companies (LDCs) with the highest delivery charges. We currently support approximately 350,000 Ontarians living in rural or remote areas through RRRP. The enhancement would extend relief to approximately 800,000 households in total.

  - Expanding the OESP, which provides relief directly on the bills of low-income consumers who have applied and meet the eligibility criteria. The expansion would increase OESP credits by 50 per cent and allow more Ontarians to benefit from the program.

  - Establishing a new Affordability Fund, which would provide financial support to lower-income Ontarians who are not eligible for the Home Assistance Program to make home energy efficiency improvements, helping to manage their energy costs.

  - Establishing a Delivery Credit to eliminate delivery charges for all First Nations people living on reserve.

- Expanding the Industrial Conservation Initiative (ICI), which allows large consumers to reduce their electricity bills by up to one-third by reducing their consumption during peak hours. The expansion will allow manufacturers and greenhouses between 500 kW and 1 MW to

participate, in addition to the consumers over 1 MW that are already eligible.

- OFHP also committed to reducing system costs by improving sector efficiency and modernizing Ontario's electricity market, working in collaboration with the Independent Electricity System Operator (IESO) and the Ontario Energy Board (OEB).

Legislation to Enable the Refinancing of Global Adjustment

To enable implementation of GA refinancing and mitigate financing, accounting and legal risks, the Ministry has developed proposed legislation (and is working on supporting regulations) that outlines:

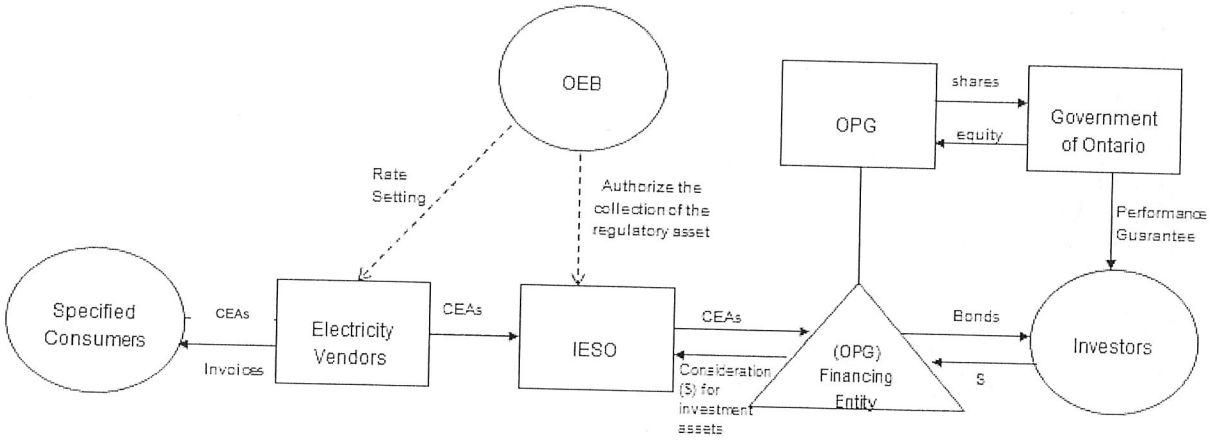
- Roles and responsibilities for the OEB, IESO, OPG and the Province;
- A detailed Preamble, Purpose and Definitions;
- Details with respect to Fair Adjustment, Clean Energy Adjustment, Implementation (i.e., Financial Services Manager, Fair Allocation Amount, Financing Plan), Regulatory Asset and Investment Asset;
- Scope of provincial undertaking and enabling the Province to provide guarantees and indemnities to back stop that undertaking; and
- Amendments to other acts (i.e., *Electricity Act* and *Ontario Energy Board)*.

The supporting legislation defines the mechanisms and framework that would achieve the refinancing of the Global Adjustment.

The Ministry has worked closely with key ministries (i.e., TBS-OPCD, MOF-OFA/IGS, MAG, CO), OEB, IESO, OPG and their independent advisors and third party financing in the development of the proposed legislation.

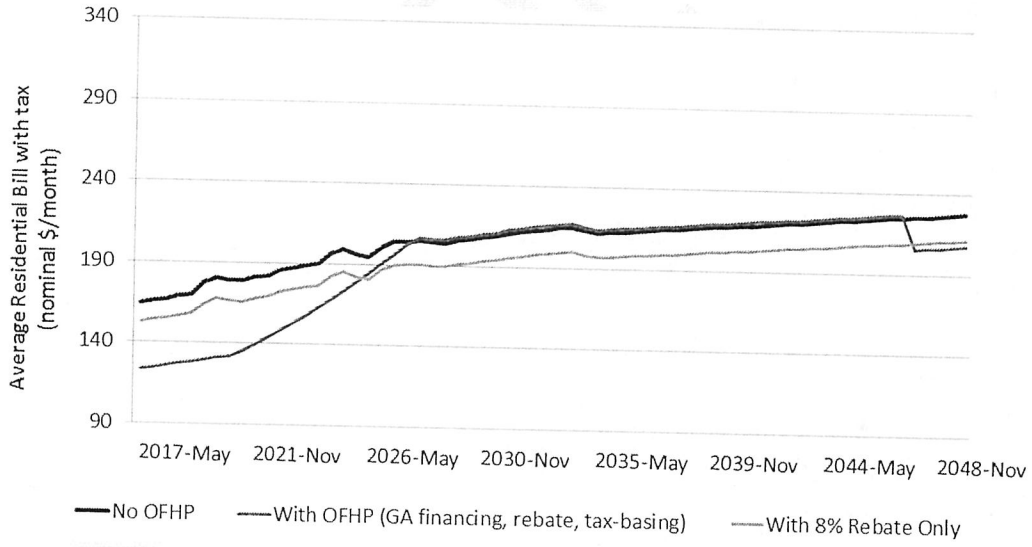
GA Refinancing Implementation Model – Overview

The diagram below outlines how the refinancing of GA would be implemented:



Note: CEAs are "clean energy adjustments".

Multi-Year Profile of GA Refinancing / Assumptions



The chart above shows the expected multi-year profile under GA Refinancing for each Regulated Price Plan (RPP) period. In the first year, residential bills are projected to be 25 per cent lower as result of the OFHP. In the early years, bills increases are held to the rate of inflation – assumed to be 2% per year in the chart above. From July 1, 2021 onwards, prices increase at a higher rate compared to the first four years on the OFHP.

In the medium to longer term, residential bills exceed what they would have been but for the OFHP. However, in any given year, a typical residential bill under the OFHP cannot exceed what it would have been without OFHP by more than 10 per cent.

OPG's Financing Structure / Equity Financing

The ability to engage in the fair distribution of clean energy costs requires financing during periods where the collection of the clean energy costs is deferred to later years. The legislation outlines mechanisms that are required to enable the financing and meet requirements for rating agencies and investors.

IESO will have a funding gap resulting from the reduction in amounts collected during four years. The legislation enables IESO to record the under-collection of GA in a variance account, and deems this under-collected amount to be a "Regulatory Asset".

- OEB would determine rates to allow IESO to recover under-collection recorded in its variance account.

- IESO is authorized to sell all or a portion to the OPG Special Purpose Vehicle (SPV)/Trust under the Financing Plan.

As part of supporting the financing and administration of the GA refinancing mechanism, it is expected that OPG would purchase the right to future cash flows from IESO on an ongoing basis.

The sale of the regulatory asset from IESO to the OPG Special Purpose Vehicle (SPV)/Trust creates an "Investment Asset".

- The Investment Asset allows for the recovery of the under-collected GA as the Investment Asset may in turn be sold to other investors or group of investors.

As part of supporting the financing and administration of the GA refinancing mechanism, it is expected that OPG would purchase the right to future cash flows from IESO on an ongoing basis.

These purchases would be financed in part by capital infusions from the Province to OPG for the purposes of stabilizing OPG's capital structure:

- OPG would require monthly "equity injections" from the Province;

- Funds from the Province would flow from the Ontario Financing Authority (OFA); and

- The Ministry, OFA and OPG are working through the specific mechanisms, timelines and share features.

Global Adjustment – Overview

The Global Adjustment (GA) accounts for the fixed costs, including capital costs, of running Ontario's generation fleet, as well as the cost of conservation programs. GA is instrumental in maintaining a reliable electricity system by ensuring that sufficient generating capacity is available.

It is via GA that much of the costs of investments in developing a clean, modern and reliable electricity system with a diverse supply mix are recovered.

The vast majority of GA costs now stem from greenhouse gas (GHG) emissions-free renewable and nuclear generation facilities, as well as natural gas plants that were constructed to improve system reliability and replace coal-fired capacity. Generators in Ontario received contracted or regulated rates, which are typically designed to recover capital, financing and fixed operations costs. The GA recovers these fixed costs of running the province's generation fleet, as well as the cost of conservation programs.

The majority of the province's electricity generators are under 20-year contracts and account for under 50% of the GA. Some of these generators will continue to provide value to the electricity system beyond their contract lives (i.e., beyond 20 years). Similarly, conservation costs are recovered annually on an 'as incurred basis' through GA while conservation initiatives can reasonably be expected to provide benefits to the electricity system over many years.

The Ministry is proposing in legislation to recognize the long-term benefit of specific assets to the electricity system and "bring forward" that benefit for ratepayers today by deferring some of the current costs. The proposed legislation outlines how costs would be fairly allocated among eligible consumers over time.

OEB's Regulated Price Plan (RPP) – Overview

On April 20, 2017, the OEB announced new Regulated Price Plan (RPP) rates effective May 1, 2017 that include a portion of the bill reduction proposed under OFHP and the shifting of the funding of the Ontario Electricity Support Program (OESP) to provincial revenues. The full reduction from OFHP is expected to be addressed through a July 1st RPP rate adjustment.

Social Program

Rural or Remote Rate Protection (RRRP)

Part of the program helps fund the costs of Hydro One customers classified into the "R2" residential rate class. There are approximately 335,000 R2 customers across the Province. These customers have some of the highest distribution costs in the Province.

- From 2001-2016 the program provided $125.4 million annually to help defray these costs.
- In the 2016 Speech from the Throne, this funding was expanded by $116.4 million to a total of $241.9 million.
- As of Jan 2017 R2 customers receive $60.50/month off their distribution costs.
- These customers still have high distribution costs and are often faced with significantly higher than average bills.

The higher than average consumption patterns coupled with higher than average distribution rates has resulted in monthly bills many view as no longer affordable or equitable.

RRRP is currently funded by rate-payers. All IESO-grid connected consumers pay a charge of $0.0021 per kilowatt-hour to off-set the costs of delivering RRRP. For an average residential customer this amounts to ~$1.60 per month. This charge will be substantially reduced once the R2 portion of the RRRP program is funded through the tax-base, rather than rate payers.

Distribution Rate Protection (DRP)

RRRP is targeted to customers based on geographic and density-based criteria. Many customers, including those in rural areas, face higher than average distribution costs, but are not eligible to receive rate protection under RRRP.

Energy is proposing legislative amendments that will broaden rate protection by creating a new distribution rate protection program to complement the Rural or Remote Electricity Rate Protection program.

Distribution rate protection would be extended to eligible residential customers served by LDCs with the highest distribution costs. Roughly 800,000 customers would receive benefits from the broadened rate protection.

- Providing distribution rate protection to a broader number of consumers would help mitigate geographic-based differences in rates for the consumers who are most impacted and often see such differences as inequitable.

Mitigation for all electricity consumers would be provided by moving the existing RRRP program costs and the proposed enhancements from the electricity rate base to the tax-base.

On-Reserve First Nations Delivery Credit

On-Reserve First Nations customers experience challenges with energy affordability and are seeking to address historical grievances associated with electricity system infrastructure.

ENERGY has a number of Bilateral Tables with the Chiefs of Ontario (COO) and First Nations that include the Energy Table to discuss policy issues, the Hydro One Negotiating Table to discuss Hydro One shares, and the Grievance Table.

The Grievance Table process was established at the request of COO as a means to avoid litigation to resolve historic grievances related to the energy sector and prevent these issues from impeding progress on broadening the ownership of Hydro One (H1).

The cost of electricity and delivery charges were identified as the prevailing grievance at the First Nations-Ontario Energy Table meeting in Timmins in 2016, and the Minister of Energy agreed to explore options for a First Nations Rate through the Grievance Table process.

Ontario Electricity Support Program (OESP)

The OESP launched on January 1, 2016. By the end of March 2017:

- Almost 192,000 have been enrolled in the program, which is approximately 1/3 of all potentially eligible low-income customers in Ontario.

- Over $60 million in credits have been provided to vulnerable consumers.

- 172 intake agencies have been mobilized to assist low income consumers to apply for the OESP.

Industrial Conservation Initiative (ICI)

Ontario is committed to providing competitive electricity rates for energy intensive consumers in the manufacturing sector while also promoting electricity conservation.

In January 2011, ICI was announced to help large industrial power users better manage their electricity costs while reducing electricity consumption during peak periods. ICI provides a strong incentive for large electricity consumers to shift their electricity consumption to off-peak hours to reduce their bills by about one-third. Reducing peak demand increases the reliability of the electricity system, reduces greenhouse gas (GHG) emissions and helps defer the need to procure new resources. There are now about 300 participating consumers who collectively reduced Ontario's peak demand by an estimated 1,000 MW in 2015.

Currently, ICI is available to electricity consumers who have an average monthly peak demand greater than 1 MW (i.e., Class A). Smaller electricity consumers – known as "Class B" consumers – are charged GA based on their total consumption regardless of when it occurs.

ICI provides a strong incentive for participating consumers to reduce their consumption during peak hours to reduce their cost. Note: ICI is administered by the Independently Electricity System Operator (IESO) and Local Distribution Companies (LDCs).

As of January 1, 2017, the regulatory amendments came into effect to make ICI available to electricity consumers with an average monthly peak demand greater than 1 MW. The lowering of the ICI threshold to 1MW and removal of sector restrictions was announced in the 2016 Speech From the Throne.

On March 2, 2017, as part of Ontario's Fair Hydro Plan (OFHP), the government announced plans to further reduce the ICI threshold from 1 megawatt (MW) to 500 kilowatts (kW) and to target more small manufacturing and industrial consumers.

Effective April 13, 2017, electricity consumers and market participants in the manufacturing and greenhouse sectors in Ontario with an average monthly peak demand of greater than 500 kW and less than or equal to 1 MW are eligible to opt-in to ICI. Billing for electricity consumers that opt-in to ICI begins July 1, 2017.

- Provisions were also provided to allow electricity consumers to continue their participation in ICI if their demand falls below the monthly peak demand threshold while participating in certain prescribed Conservation and CDM programs and/or OCCSDC programs and pilots.

5.0 TIMING

As part of OFHP, the government announced that eligible electricity consumers would see the reduction to their electricity bills in the summer of 2017 (i.e., July).

On April 20, 2017, OEB announced that it has adjusted the RPP rates effective May 1, 2017 to account for its estimation of the impact of a portion of GA Refinancing. The Ministry anticipates that the OEB will set an interim rate adjustment following the passage of the legislation to enable GA Refinancing that would account for the full impact (i.e., 25 per cent).

The Ministry is planning to introduce legislation in early May 2017 and develop supporting regulations in early summer 2017 to enable GA Refinancing. Note: The OPG will require legislation and regulations to be in place to support its discussions with rating agencies and third-party financing.

The timeline for all of the social programs, with the exception of the OESP, is identical as the program implementation for the regulations that follow to be passed in unison for July 1, 2017.

Some of Ontario's Fair Hydro Plan commitments for the OESP came into effect on May 1, 2017 (e.g., removal of the OESP charge from customer bills; expanding credit amounts and program eligibility). Remaining changes associated with moving the program from the rate-base to the tax-base will be proclaimed at a later date when the OESP variance account is depleted. Additional regulatory amendments needed to implement this legislative change will come into effect on the same date.

As part of the OFHP, the government also announced the expansion of ICI to enable greater participation from the manufacturing sectors in Ontario.

The April 2017 ICI amendments enabled new electricity consumer's time to opt in to the expanded program ahead of the next ICI billing period (i.e., July 1, 2017). Note: Under ICI, as set out in Ontario Regulation 429/04, eligible electricity consumers must opt in to the ICI program on or before June 15 of each calendar each year.

6.0 FINANCIAL IMPACT

1) GA Refinancing:

As it relates to the "equity injection", these changes are expected to have no impact on the Provincial net debt position as the Province's increased investment in OPG will be offset by the incremental borrowing to fund the

equity injections. The Province has assumed incremental income from OPG arising from interest income on the subordinated debt which OPG will lend to the OPG Special Purpose Vehicle (SPV)/Trust. This offsets forecast increases in Provincial interest on debt expenses associated with equity injections.

Proposed legislation to enable GA refinancing has been drafted to mitigate financing, accounting and legal risks. In addition, IESO and OPG have sought independent advice and confirmation with respect to financing, accounting and legal matters.

Note: There would be a significant impact on provincial net debt and the fiscal plan if the legal, financing and accounting conditions change.

2) Social Programs:

As approved in the TB/MBC submission of Mach 1, 2017 and confirmed in Vote-Item 2905-1, the financial impacts of the social programs for the period July 1 2017- March 31 2018 are as follows:

Program	2017-18 Budget
Rural or Remote Rate Protection	344,000,000
Ontario Electricity Support Program	140,000,000
On-Reserve First Nations Delivery Credit	15,000,000

The IESO manages a variance account for the OESP, which holds the difference between the amount of OESP charge collected from the rate base, and the amount of OESP paid out in the form of credits. The amount in the variance account is about $109 million as of March 1, 2017. These funds will be used to fund the OESP program until the variance account is depleted, at which point the transfer payment line will be used to finance the program costs. Due to the potential range in costs of the OESP, which will depend on program uptake and any costs associated with supporting increased participation, the set allocation is required despite the variance account.

ENERGY will report back as part of PRRT with an update on out-year projections following analysis on rate applications before the Ontario Energy Board.

3) ICI Expansion:

Since ICI is funded through the electricity rate-based and not the provincial tax-base, ICI expansion will have no direct financial impact for the Province.

With respect to rate-base impacts, expanding ICI to consumers in the manufacturing and greenhouse sectors (i.e., between 500 kW and 1 MW) is

expected to result in a modest increase on electricity bills for non-ICI participants starting in July 2017. For example, preliminary analysis estimates that the increase on a typical residential bill would by up to 0.66% or just over $1/month based on a 2016 bill of about $158.

Note: The extent of the non-ICI participant impact will depend on the uptake in the newly expanded ICI. The Ministry of Energy regularly monitors electricity prices and electricity demand for all classes of electricity consumers and would be able to assess the potential impacts of the regulatory amendments, starting in July 2017.

7.0 STAKEHOLDER ANALYSIS

Stakeholder	Comments
Eligible Electricity Consumers	• As a result of OFHP, eligible electricity consumers will welcome the immediate reduction in electricity bills that they will experience in the short to medium term.
Electricity Agencies	• In the development of legislation to enable implementation of OFHP, the Ministry has been working closely with OEB, IESO and OPG and their independent advisors.
Local Distribution Companies (LDCs)	• The Ministry hosted LDC workshop sessions on March 16 and April 19, 2017. Nearly 40 LDC representatives attended in person or by phone and were briefed on OFHP, including implementation.
Chief of Ontario (COO)	• COO have publicly supported the introduction of the First Nations Delivery Credit. • ENERGY met with COO on April 26, 2017 to discuss implementation.
Future Industrial Conservation Initiative (ICI) Participants	• On March 9, 2017, the Ministry posted an ICI expansion proposal for comment on the Regulatory Registry for stakeholder comment. The Ministry has received 7 comments. • The Ministry is also working with the IESO, OCC and the CME regarding targeted outreach in relation to the ICI expansion.

8.0 RISK ASSESSMENT AND MITIGATION

Risk	Likelihood (L/M/H)	Impact (L/M/H)	Mitigation Strategy
1) Global Adjustment (GA) Refinancing			
Maintaining OPG's Financial Viability / Capital Structure	L	H	• OPG requires equity injections on an on-going basis from the Province (i.e., Ministry of Energy). • Equity injections are necessary to support OPG as the owner and manager of GA refinancing. The equity injections allow OPG to strengthen the capital structure of the Trust in order to secure financing at a reasonable cost.

Risk	Likelihood (L/M/H)	Impact (L/M/H)	Mitigation Strategy
			• In order to provide financing, OPG would develop a special purpose vehicle (SPV). • OPG has a great deal of experience managing the risks associated with borrowing through its experience developing capital-intensive generation projects as well as their management of Nuclear Funds. • OPG will seek to achieve the highest possible credit rating (i.e., AAA is possible) in order to reduce borrowing costs and attract a wide investor base.
OPG Securing Capital Markets Funding	L	H	• OPG will need to obtain a portion of the required funding from the capital markets. • The Ministry has worked closely with third-party financial advisors in advance of and throughout the drafting process to help to ensure that the proposed legislation enables refinancing of the GA. • In order to provide financing, OPG would develop a special purpose vehicle (SPV) which will use 100% debt financing to purchase the regulatory asset, financing 51% through capital markets as senior debt, with the remaining 49% being provided by OPG as subordinated debt. • The 49% subordinated debt from OPG will be financed through debt OPG issues in its own capacity, through capital markets (up to 5%) with the remainder (44-49%) financed through equity injections from the Province. This will help to ensure OPG's capital structure remains in line.
Managing Interest Cost Risks	M	H	• Proposed legislation has been drafted with input from third-party financers (i.e., dealers). • OPG's Special Purpose Vehicle (SPV) / Trust is borrowing in its own

Risk	Likelihood (L/M/H)	Impact (L/M/H)	Mitigation Strategy
			corporate capacity from the capital markets. • Risk that it may incur a higher interest cost than what was originally forecast (i.e., 5%).
Provincial Guarantee is Triggered	L	H	• The proposed legislation sets out that the province would provide assurances in the form of a "provincial guarantee" to OPG and investors regarding the permanence of the GA Refinancing framework. The intent is to ensure that the full value is recovered. • The legislation also establishes assurances that the Province would: – Through the Minister of Finance as provided by Lieutenant Governor in Council, agree to guarantee any debts and obligations; and – Not hinder the charging and remittance of the under-collection of GA refinancing (i.e., through a provincial undertaking and guarantee).
IESO Failure to Establish a Regulatory Asset	L	H	• Under the proposed legislation, the Ontario Energy Board (OEB) is providing the necessary oversight required to enable IESO the ability to establish a Regulatory Asset. • To recover its revenue shortfall, IESO will establish as a Regulatory Asset that it would sell to OPG's SPV / Trust. • The OEB will issue an accounting order to authorize IESO to do create a variance account in which it will record the funding shortfall and recover the shortfall in accordance with the legislation and regulations.
GA Refinancing Approach is Viewed as an Indirect-tax	L	H	• Proposed legislation to enable GA refinancing the costs associated with electricity generation facilities will be allocated across present and future electricity consumers will be set out in the Fair Allocation Amount. • The degree of constitutional risk is in direct proportion to the extent the government is not able to show a

Risk	Likelihood (L/M/H)	Impact (L/M/H)	Mitigation Strategy
			proper match between the cost of providing facilities for electricity generation and the group of consumers who benefit year to year from electricity generated by those facilities. • The Fair Allocation Amount will help to ensure that the allocation of costs associated with electricity generation facilities is reflected over the term of GA Refinancing.
2) Social Programs			
Social Program Implementation Delays	L	M	• Work with LDCs; provide transitional provisions. • Work with Chiefs of Ontario (COO) to develop a plan to identify eligible on-reserve customers. • The bill includes transitional provisions that would ensure customers remain eligible for the rate protection and First Nations Delivery Credit from the prescribed date.
Social Program Cost Estimating	M	M	• OESP costs will depend on uptake of the program, which will be impacted by the 50% increase in credits, enhanced eligibility, and work with MCSS on aligning OESP delivery with their social assistance programs. • Distribution Rate Protection costs are driven by a number of variable factors including: the OEB's rate setting process; the lowest cost distributor in the prescribed cohort of "high cost distributors" and consumption patterns. • Work with Ontario Energy Board (OEB) and the Independent Electricity System Operatory (IESO) to ensure access to data for regular forecasting • A mechanism would be created in regulation to ensure that all parties are aligned in the yearly forecasting and costing of the program.

Risk	Likelihood (L/M/H)	Impact (L/M/H)	Mitigation Strategy
Non-Status Indigenous communities without reserves or Metis could raise a Charter challenge on the First Nations On-Reserve Delivery Credit Program	L	L	• This risk is mitigated by the ameliorative purpose of the program and because targeting First Nations communities for a reserve-based program corresponds to the distinct circumstances of reserve-based communities, relative to other Indigenous communities. A genuinely ameliorative program that targets some people but excludes others is shielded from a section 15 challenge if it serves or advances the ameliorative goal.
3) *Industrial Conservation Initiative (ICI) Expansion*			
Perceived Fairness Between Electricity Consumer Classes	M	L	• The expansion of the ICI program include electricity consumers in the manufacturing and greenhouse sectors with average monthly peak demand greater than 500 kW and less than 1 MW will impact those consumers that remain outside the program (i.e., Class B and RPP electricity consumers). • Increases to electricity bills will occur for non-ICI participants to ensure full cost recovery in the electricity system. Note: the extent of the impact on other non-ICI participants would depend on the uptake in the newly expanded ICI, but is expected to be modest. • Restricting eligibility to the manufacturing and greenhouse sector helps to ensure that the expanded ICI is focused on those consumers which are most impacted by GA costs and associated economic competitiveness pressures from neighbouring jurisdictions.

9.0 JURISDICTIONAL ANALYSIS

GA Refinancing approached outlined in the proposed legislation is model on a those used in the United States (e.g., Duke Energy), where utility debt is financed by selling it to investors with recovery from ratepayers over time.

The Ministry conducted no jurisdictional analysis related to the expansion of social program funding as the structure of Ontario's electricity sector, and thus the delivery of these benefits, is unique.

The ICI program is unique to Ontario and the proposed expansion would not directly impact on other jurisdictions.

10.0 PERFORMANCE MEASURES

The proposed legislation sets parameters within which refinancing of GA can proceed. These parameters include the initial percentage reduction in eligible electricity rates, the number of years that rates will increase at a rate equivalent to CPI and the length of time within which the recovery of funds must take place (i.e., by 2047). In addition, OPG's existing financial reporting process provides an additional framework for monitoring and reporting of OPG's role in OFHP.

With respect to the social programs, performance will be evaluated by the amount of funding flowed to consumers in order to reduce their electricity bills. The Ministry will work with the OEB over the coming years to ensure that data is available to determine if the programs continue to provide meaningful rate relief.

The Ministry and the OEB have engaged with the Behavioral Insights Office at the TBS to consider ways to increase program participation. Discussions are ongoing.

With respect to ICI, the Ministry regularly monitors electricity prices and electricity demand for all classes of electricity consumers and would be able to assess the potential impacts of the regulatory amendments, starting in July 2017.

11.0 COMMUNICATIONS

ENERGY has developed a comprehensive, two-phase media campaign to increase awareness of Ontario's existing rate mitigation measures and new proposed electricity initiatives under Ontario's Fair Hydro Plan OFHP):

- Phase I – Launched on March 13, 2017 and included radio and digital media in English and French. This was followed by multi-cultural extensions on radio in 19 languages. Phase I of the media campaign is complete.

- Phase II – Is expected to launch early Summer 2017 and will include television, radio, print, digital and social media advertising support.

ENERGY received TB/MBC approval on February 6, 2017 for an exemption from the competitive acquisition requirement under the *Procurement Directive on*

Advertising, Public and Media Relations, and Creative Communications Services for the development of the electricity cost reduction public education campaign. Through this, ENERGY acquired the services of Rain43, an Agency of Record under Advertising Review Board's corporate vendor of record arrangement for advertising, public and media relations, and communication services, to develop this public education campaign with an estimates maximum value of $1,500,000.

As of July 20, 2015, PHD Canada is the Advertising Review Board's mandatory-use media planning and buying Agency of Record. In 2016-17, through Phase I, ENERGY has spent approximately $1,000,000 on media planning and buying for radio and digital media. The cost of media space for television is substantially higher than radio; as such, ENERGY is forecasting to spend an additional $2,500,000 in 2017-18.

This campaign is integral for demonstrating Ontario's commitment to lower energy costs for ratepayers through the new proposed electricity initiatives. This campaign could also open the Ministry to increased scrutiny as critics may conclude savings are too little or too late to help those suffering from what the media has deemed energy poverty. Public perception may be unchanged as emotional triggers to rising electricity prices and the constant stream of negative news by the media could overpower the campaign.

The Ministry has assessed the risks, and deems the benefits for running this campaign outweigh any risks of not doing so. ENERGY anticipates reaction from electricity consumers is to be generally positive with an awareness that changes to the electricity system have led to a reliable, cleaner system that is now more affordable.

In addition, the communications for GA refinancing, delivery electricity social programs and ICI expansion will be referenced in ongoing announcements related to Ontario's Fair Hydro Plan (OFHP) broadly, and as necessary targeted communications for specific stakeholder group can be developed.

For example, the Ministry has retained the OCC and the CME to undertake targeted stakeholder outreach on ICI and other cost saving energy programs/measures available to the commercial and industrial sectors in Ontario.

The Ministry will ensure that the social programs are communicated effectively to stakeholders and specific target audiences. The Ministry will leverage its agencies and its relationship with LDCs to ensure eligible consumers are aware of the programs.

Chiefs of Ontario (COO) will be a vital partner in communicating the benefits of the First Nations Delivery Credit.

The Ministry also believes there is opportunity for consultation on the design of the electricity bill, with a goal to refresh the regulatory framework to improve the value of the bill to the consumer across all LDCs. The Ministry proposes to convene with LDCs in July, once they've had sufficient time to implement the OFHP initiatives and prescribed messaging.

Changes of this nature will require more in-depth consultation with LDCs, as well as broader regulatory amendments to simplify the requirements, necessitating a longer period to implement. This refresh would also include opportunities to communicate OFHP savings in a more personalized and comprehensive manner. For example, each customer could receive a "personalized" message indicating how much they saved as a result of the plan.

Based on this feedback, the Ministry would aim to introduce regulatory amendments to simplify bill presentment and introduce dynamic OFHP messaging in the Fall 2017.

12.0 RECOMMENDATION

1) The Ministry of Energy is reporting back to the Treasury Board/Management Board of Cabinet (TB/MBC) on following:

    i. Implementation of Global Adjustment (GA) Refinancing;

    ii. Delivery of Electricity Social Programs (i.e., Rural or Remote Rate Protection, Ontario Electricity Support Program and First Nations On-Reserve Delivery Credit); and

    iii. Expansion of Industrial Conservation Initiative (ICI).

2) APPROVE the Ministry funding a media buy procurement with a maximum value of $3,500,000 with PHD Canada, the Advertising Review Board's mandatory-use media planning and buying Agency of Record.

3) NOTE the Ministry of Energy has already spent approximately $1,000,000 with PHD Media in 2016-17 and is forecasting expense of approximately $2,500,000 in 2017-18.

4) NOTE the Ministry of Energy will return to TB/MBC to request a transfer of funds to the Ministry of Energy from the Bulk Media Buy program in Treasury Board Secretariat to fully recover the costs for the public education campaign.

5) APPROVE the creation of a new transfer payment line entitled "Price Mitigation Support Initiatives" under Vote/Item 2905-01, Electricity Price Mitigation, with a $1,000 placeholder, to support future rate mitigation initiatives.

Appendix:

- KPMG Opinion
- E&Y Opinion (including OPG Management Memo)

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FINAL DRAFT

KPMG Letter to the Independent Electricity System Operator

An Accounting Opinion on the Application of PSAS to the Consolidation of a Trust and to the Recognition and Derecognition of a Variance Account in Relation to the Proposed *Ontario Fair Hydro Plan Act, 2017*

This letter has been prepared in draft form and will be updated upon receipt of the adopted legislation (including the amendments of the Electricity Act and the OEB Act) and finalized financial structure (including the bylaws and regulations of the OPG Trust) and other relevant agreements necessary for us to provide our final opinion, of which legislation and other relevant agreements are expected to be enacted/ finalized on or before September 30, 2017.

NOTICE OF NON RELIANCE

This Notice is regarding the accompanying Letter to provide an accounting opinion on the application of Public Sector Accounting Standards to the consolidation of a trust and to the recognition and derecognition of a variance account in relation to the proposed *Ontario Fair Hydro Plan Act, 2017* (the "**Letter**") prepared by KPMG LLP for the Independent Electricity System Operator ("Client").

The following terms apply to any review of the Letter and should you not agree to these terms, please do not review the Letter and delete copy of the same.

The Letter was prepared in connection with certain services we provided to the Client and should not be used for any other purpose or regarded as suitable for use by any person or persons other than the Client

No one other than the Client is authorized by KPMG to rely upon any information or views expressed in the Letter. KPMG shall have no responsibility or liability for loss or damages or claims, if any, to or by any third party as the Letter has not been prepared for, and is not intended for, and should not be used by, any third party or for any other purpose.

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KPMG neither warrants nor represents that the Letter is accurate, complete, sufficient or appropriate for any purpose contemplated by you or any other person or body. You shall have no right to disclose the Letter to any other party, unless disclosure is required by law or to fulfill a professional obligation required under applicable professional standards.

Yours very truly,

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May 4, 2017

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The Board of Directors

Dear Sirs,

We have been engaged to provide you with an accounting opinion on the application of Public Sector Accounting Standards to the consolidation of a trust and to the recognition and derecognition of a variance account in relation to the proposed *Ontario Fair Hydro Plan Act, 2017* ("the proposed Act") (Appendix A, Version 6, to this letter). This letter is being issued to the Independent Electricity System Operator ("IESO" or the "Company") in connection with its evaluation of the consolidation requirements and the accounting for the variance account under Canadian Public Sector Accounting Standards ("PSAS"). Our engagement has been conducted in accordance with generally accepted standards in Canada for such engagements.

The ultimate responsibility for the decision on the appropriate application of PSAS for the specific issues described below rests with management of the Company as preparers of the financial statements.

The adoption of the proposed Act (including the subsequent amendments of the Electricity Act, 1998 ("the Electricity Act") and the Ontario Energy Board ("OEB" or the "Board") Act ("the OEB Act")), and the finalization of the financing structure (including the bylaws and regulations of the OPG Trust) and other agreements will take several weeks. Accordingly, our judgment on the appropriate application of PSAS for the specific matters described below is based on the facts, circumstances and assumptions provided to us. The finalization of the legislation, regulations, financing structure and other agreements may impact the comments and conclusions set out herein. Our comments and conclusions are based on the proposed Act and related matters as they exist at the date of this letter.

The following three issues are addressed in this letter:

Issue #1: Can the IESO recognize a regulatory asset related to the variance account created by the proposed Act?

Issue #2: Is the trust to be established by Ontario Power Generation (the "OPG Trust") controlled by the IESO according to the guidance issued under PSAS 1300 *Government Reporting Entity* and therefore subject to consolidation by IESO?

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Issue #3: What is the accounting treatment for derecognition of the regulatory asset by the IESO upon transfer of the variance account to the OPG Trust?

Background for issue #1

The facts, circumstances, and assumptions relevant to the specific transactions as provided to us by the management of the Company (responsible party) are as follows:

1. The IESO's legal status is a not-for-profit, non-taxable, corporation established pursuant to Part II of the Electricity Act. Management of the IESO has determined that the Company is an Other Governmental Organization and accordingly prepares its financial statements in accordance with PSAS.

2. IESO is rate regulated by the OEB in accordance with the Electricity Act and the OEB Act.

3. *Extract from the 2016 IESO financial statements, note 3 New Accounting Policies,* audited by KPMG "As of January 1, 2016, the IESO changed its accounting policy regarding the recognition of assets and liabilities subject to rate regulation. The change was made to better reflect the economic substance of certain types of expenses that may not be directly recovered through the normal revenue requirement model. This change has been applied retroactively and has increased amounts previously unrecorded for regulatory assets and decreased amounts previously reported for accumulated deficit."

4. *Extract from the 2016 IESO financial statements, note 2(d) Summary of Significant Accounting Policies, Regulatory assets and liabilities.* "As a rate-regulated entity, the IESO, in appropriate circumstances establishes regulated assets or liabilities and thereby defers the impact on the statement of operations of certain expenses or revenues because they are probable to be collected or refunded to market participants through future billings. The IESO applies guidance from United States Generally Accepted Accounting Principles (US GAAP) Topic 980, *Regulated Operations ("ASC 980")*, in this policy."

5. *Extract from Section 78(3.3) of the OEB Act:* In approving or fixing rates under subsection (3.1),

   (a) the Board shall forecast the cost of electricity to be consumed by the consumers to whom the rates apply, taking into consideration the adjustments required under section 25.33 of the Electricity Act, 1998 and shall ensure that the rates reflect these costs; and

   (b) the Board shall take into account balances in the IESO's variance accounts established under section 25.33 of the Electricity Act, 1998 and shall make adjustments with a view to eliminating those balances within 12 months or such shorter time periods as the Minister may direct.

6. Currently, IESO recognizes two regulatory assets for unrecovered smart metering expenses and unrecovered PSAB transition items as permitted by rates approved by the OEB. In addition, in accordance with section 25.33 of the Electricity Act, IESO also recognizes variance accounts (eg. OESP, RPP and RRRP variance accounts) to record all amounts payable or receivable by it in connection with the amounts paid to generators, the Ontario Electricity Financial Corporation ("OEFC"), distributors and to entities with whom the IESO has a procurement contract.

7. The Electricity Act, OEB Act and other regulations will be amended to reflect the following *extracts of the proposed Act:*

   Section 1xx Definitions, Transfer of regulatory asset

   (3) In this Act, a reference to the transfer of a specified portion of the regulatory asset is a reference to the following, as provided for in subsection 22xx (3):

1. A reduction in the balance in the variance account.
2. The adjustment of the regulatory asset.
3. The acquisition by a financing entity of the investment interest corresponding to the specified portion of the regulatory asset.

Section 20.1xx Variance account to be established

(1) IESO shall establish and maintain a variance account for the purposes of this section.

(2) IESO shall record the following in the variance account:

1. The amount of the IESO funding shortfall for each month.
2. All payments received by IESO resulting from the exercise of the right of recovery under section 21xx and any transfer under section 22xx.
3. Such other adjustments as may be prescribed, including adjustments in respect of the period that commences after May 1, 2017 and before the day this section comes into force.

(3) Subject to the correction of any obvious error by IESO, its recording of the balance in the variance account is determinative of the balance as of the time of the recording.

(4) No change made by IESO to the balance in the variance account shall, if the previous balance was relied upon by an investment interest owner in the context of a transfer under section 22x, affect the rights of the investment interest owner acquired under the transfer.

Section 21xx Regulatory asset established

(1) Effective May 1, 2017, the IESO has the right, exercisable in accordance with this Act and the regulations, to recover the balance recorded in the variance account from specified consumers.

(2) Subject to subsection (3), the Board shall, from time to time, determine and set rates payable by specified consumers to allow for IESO to recover the balance recorded in the variance account.

(3) IESO shall not be entitled to collect all or part of the balance recorded in the variance account from specified consumers before May 1, 2021.

(4) The Board's powers under subsection (3) shall be exercised in accordance with the regulations.

Section 30.1xx Board's Authority

(2) Despite anything to the contrary in the OEB Act, the Board may exercise any of its responsibilities under this Act without a hearing.

8. It is expected that the funding shortfall recorded by the IESO in the variance account (the regulatory asset) will be transferred to an investment asset owner (ie a trust to be established by OPG) on a monthly basis and cash collected within a short period of time. The total IESO funding shortfall for the period from May 1, 2017 to April 30, 2047 is estimated at $28 billion plus interest.

Appropriate Accounting Principle for issue #1

ASC 980 Regulated Operations

– For general-purpose financial reporting, an incurred cost for which a regulator permits recovery in a future period is accounted for like an incurred cost that is reimbursable under a cost-reimbursement-type contract. [980-10-05-6]

- Unless an accounting order indicates the way a cost will be handled for rate-making purposes, it causes no economic effects that would justify deviation from the GAAP applicable to business entities in general. The mere issuance of an accounting order not tied to rate treatment does not change an entity's economic resources or obligations. In other words, the economic effect of regulatory decisions—not the mere existence of regulation—is the pervasive factor that determines the application of GAAP. [980-10-05-8]
- The guidance in the Regulated Operations Topic applies to general-purpose external financial statements of an entity that has regulated operations that meet all of the following criteria:
  (a) The entity's rates for regulated services or products provided to its customers are established by or are subject to approval by an independent, third-party regulator or by its own governing board empowered by statute or contract to establish rates that bind customers.
  (b) The regulated rates are designed to recover the specific entity's costs of providing the regulated services or products. This criterion is intended to be applied to the substance of the regulation, rather than its form.
  (c) In view of the demand for the regulated services or products and the level of competition, direct and indirect, it is reasonable to assume that rates set at levels that will recover the entity's costs can be charged to and collected from customers. This criterion requires consideration of anticipated changes in levels of demand or competition during the recovery period for any capitalized costs. [980-10-15-2]
- A cost arising from cash paid out or obligation to pay for an acquired asset or service, a loss from any cause that has been sustained and has been or must be paid for. [980-10-20] Glossary
- Failure of an entity's operations to continue to meet the criteria in paragraph 980-10-15-2 can result from different causes. Examples include the following:
  (a) Deregulation.
  (b) A change in the regulator's approach to setting rates from cost-based rate-making to another form of regulation.
  (c) Increasing competition that limits the entity's ability to sell utility services or products at rates that will recover costs (as used in paragraph 980-10-15-2).
  (d) Regulatory actions resulting from resistance to rate increases that limit the entity's ability to sell utility services or products at rates that will recover costs if the entity is unable to obtain (or chooses not to seek) relief from prior regulatory actions through appeals to the regulator or the courts. [980-20-15-2]
- Rate actions of a regulator can provide reasonable assurance of the existence of an asset. An entity shall capitalize all or part of an incurred cost that would otherwise be charged to expense if both of the following criteria are met:
  (a) It is probable (as defined in Topic 450) that future revenue in an amount at least equal to the capitalized cost will result from inclusion of that cost in allowable costs for rate-making purposes.
  (b) Based on available evidence, the future revenue will be provided to permit recovery of the previously incurred cost rather than to provide for expected levels of similar future costs. If the revenue will be provided through an automatic rate-adjustment clause, this criterion requires that the regulator's intent clearly be to permit recovery of the previously incurred cost.

A cost that does not meet these asset recognition criteria at the date the cost is incurred shall be recognized as a regulatory asset when it does meet those criteria at a later date. [980-340-25-1]

- Rate actions of a regulator can reduce or eliminate the value of an asset. If a regulator excludes all or part of a cost from allowable costs, the carrying amount of any asset recognized pursuant to paragraph 980-340-25-1 shall be reduced to the extent of the excluded cost. Whether other assets have been impaired shall be judged the same as for entities in general and the Impairment or Disposal of Long-Lived Assets Subsections of Subtopic 360-10 shall apply. [980-340-35-1]
- If at any time an entity's incurred cost no longer meets the criteria for the capitalization of an incurred cost (see paragraph 980-340-25-1), that cost shall be charged to earnings. [980-340-40-1]
- In some cases, a regulator may approve rates that are intended to recover an incurred cost over an extended period without a return on the unrecovered cost during the recovery period. [980-340-55-2]
- The regulator's action provides reasonable assurance of the existence of an asset (see paragraph 980-340-25-1). Accordingly, the regulated entity would capitalize the cost and amortize it over the period during which it will be allowed for rate-making purposes. That cost would not be recorded at discounted present value. An exception to this general rule is provided for costs of abandoned plants. [980-340-55-3]

Issue #1: Can the IESO recognize a regulatory asset related to the variance account created by the proposed Act?

As noted above, as of January 1, 2016, the IESO changed its accounting policy to recognize the economic impacts of rate regulation and now applies guidance from US GAAP Topic 980, *Regulated Operations,* as PSAS does not have any specific guidance for entities with rate-regulated activities.

IESO concluded that it met the requirements of PS2120.02, which allows them to reflect the impacts of rate regulation, as it is considered that the change of accounting policy in its 2016 financial statements resulted in a more appropriate presentation of transactions in its financial statements. The change was made to better reflect the economic substance of certain types of expenses that may not be directly recovered through the normal revenue requirement model.

The regulatory framework in Ontario relating to the generation and sale of electricity will be significantly impacted by the proposed Act. Currently, a substantial amount of the energy purchased from the generators is collected by IESO from the local distribution companies through the customer billing, with the remaining being recovered through variance accounts over a period of 12 months maximum. As mentioned above, the effect of the proposed Act is to defer the collection of a total estimated amount of $28 billion (plus interest) of energy purchased from the generators over a period of 30 years. The proposed Act will not permit IESO to collect the funding shortfall before May 1, 2021 and the recovery process will be established through regulations. Such a long-term deferred recovery plan requires IESO to consider whether the uncollected energy costs qualify for deferral as a regulatory asset and whether it continues to meet the criteria that allow IESO to use the guidance for regulated operations of Topic 980. These two accounting issues are analyzed in the two tables below.

Criteria for the recognition of regulatory assets

ASC 980-340-25-1 states that rate actions of a regulator can provide reasonable assurance of the existence of an asset. An entity shall capitalize all or part of an incurred cost that would otherwise be charged to expense if both of the following criteria are met:

Criteria	Comment	Evaluation
(a) It is probable that future revenue in an amount at least equal to the capitalized cost will result from inclusion of that cost in allowable costs for rate-making purposes. (b) Based on available evidence, the future revenue will be provided to permit recovery of the previously incurred cost rather than to provide for expected levels of similar future costs. *(emphasis added)* If the revenue will be provided through an automatic rate-adjustment clause, this criterion requires that the regulator's intent clearly be to permit recovery of the previously incurred cost.	The proposed Act states that, • *A recording of the balance in the variance account is determinative of the balance as of the time of the recording.* • *Effective May 1, 2017, IESO has the right, exercisable in accordance with this Act and the regulations, to recover the balance recorded in the variance account from specified consumers.* • *The Board shall, from time to time, determine and set rates payable by specified consumers to allow for IESO to recover the balance recorded in the variance account.* • *The IESO shall not be entitled to collect all or part of the balance recorded in the variance account from specified consumers before May 1, 2021.* Based on the proposed Act, IESO has the right to recover the balance recorded in the variance account. As a result, it is clear that IESO will be able to recover the amount previously incurred rather than to provide for expected levels of similar future costs.	Met

Criteria for the adoption and continued use of ASC 980 guidance

Deferred recovery plans are plans adopted by regulators or legislations in response to significant increases in costs (e.g. purchased power costs). These plans typically provide for rates to remain fixed or increase moderately with a variance account mechanism to capture costs in excess of the level allowed in current rates. A regulated utility subject to such plans is required to consider whether it continues to meet the criteria that allow it to use the guidance for regulated operations of Topic 980, especially criteria ASC 980-10-15-2 (b).

The proposed plan for the recovery of purchase power costs over a 30 year period is considered a deferred recovery plan as the rates for the first four years will remain fixed and subsequently the rates will increase moderately with a variance account to capture energy costs in excess of the level allowed in current rates. The following is an analysis of the ASC 980-10-15-2 criteria.

Criteria	Comment	Evaluation
(a) The entity's rates for regulated services or products provided to its customers are established by or are subject to approval by an independent, third-party	Currently, IESO recognizes regulatory assets related to smart meters and PSAS transition costs as permitted by rates approved by the OEB and regulatory liabilities related to the variance accounts (eg. OESP, RPP and RRRP variance accounts) established under section 25.33 of the Electricity Act related to the procurement of energy.	Met

Criteria	Comment	Evaluation
regulator or by its own governing board empowered by statute or contract to establish rates that bind customers.	It is important to note that both Hydro One and OPG are classified as government business enterprises and are reporting under IFRS in their consolidated financial statements, are consolidated by the modified equity method into the province's books, are regulated by the OEB, and their respective regulatory assets and liabilities are reported in the province's books.	

(b) The regulated rates are designed to recover the specific entity's costs of providing the regulated services or products.	Currently, the rates approved by the OEB are designed to recover the IESO's costs of providing the regulated services and the pass-through related to the energy purchased from the generators.
	
	As mentioned above, a regulated utility subject to a deferred recovery plan is required to consider whether it continues to meet the criteria ASC 980-10-15-2 (b).
	
	This criterion requires a cause-and-effect relationship between a reporting entity's costs and its revenue. In addition, the timing of cost recovery and the related frequency of ratemaking is important. A reporting entity should consider its rate case experience, including the design of its rates and timing of recovery, when determining whether this criterion is met. These factors are analyzed below.
	
	Frequency of rate case
	
	- Currently, IESO is subject to OEB's annual reviews
	
	- Although the recovery of purchase energy costs will be frozen at the approved rate on May 1, 2017 for the first four years, the IESO will be granted a right to recover after May 1, 2021 the funding shortfall recorded in the variance account during the four-year period.
	  - *A recording of the balance in the variance account of the balance is determinative of the balance, as of the time of the recording. (We note that this confirms that there will be no prudence review by the OEB)*
	  - *Right to recover the balance recorded in the variance account.*
	  - *Obligation on the part of the OEB to dispose the variance account in accordance with the regulation.*
	
	- Subsequent to May 1, 2021, the OEB will be required to determine and set rates payable by specified consumers to allow for IESO to recover the balance
		Met

Criteria	Comment	Evaluation
	recorded in the variance account. - *The Board shall, from time to time, determine and set rates payable by specified consumers to allow for IESO to recover the balance recorded in the variance account.* - *Despite anything to the contrary in the OEB Act, the Board may exercise any of its responsibilities under this Act without a hearing.* *Rates are designed to recover incurred costs* - There is a cause-and-effect relationship between the purchase energy costs and revenue, as IESO will be allowed to recover the costs incurred. - *A recording in the variance account of the balance in the variance account is determinative of the balance as of the time of recording (We note that this confirms that there will be no prudence review).* - *Right to recover the balance recorded in the variance account.* - *Obligation on the part of the OEB to ensure IESO will recover the balance recorded in the variance account.* *Periods of alternative ratemaking (e.g., rate freezes)* Evaluation of the second criterion requires additional judgment if the regulated utility is subject to any form of ratemaking that introduces uncertainty about the cause-and-effect relationship between costs and rates. A rate freeze period is defined as a fixed rate that is charged to customers during a period of time (more than two years) and the utilities are exposed to increases in operating and energy costs with no ability to recover the variances. This is not the case as IESO will be granted the right to recover fully the funding shortfall recorded in the variance account, including the first four-year period. - *The Board shall, from time to time, determine and set rates payable by specified consumers to allow for IESO to recover the balance recorded in the variance account.*	

Criteria	Comment	Evaluation
	Costs uncertainty As the IESO will be granted the right to fully recover the funding shortfall recorded in the variance account, there is no uncertainty about the recovery of the costs. *Disallowances of costs* The OEB has never disallowed the recovery of any material costs incurred by IESO. More importantly, as the IESO will be granted by legislation the right to fully recover the funding shortfall recorded in the variance account, there is no risk of the potential disallowance of the purchase power costs. Based on the analysis of the above factors, there are no indications that this criterion would not be met. The above factors establish that there will be a direct cause-and-effect relationship between IESO's costs and its future collection.	

(c) In view of the demand for the regulated services or products and the level of competition, direct and indirect, it is reasonable to assume that rates set at levels that will recover the entity's costs can be charged to and collected from customers. This criterion requires consideration of anticipated changes in levels of demand or competition during the recovery period for any capitalized costs."	The remaining criterion is whether limitations, including considering demand levels at the approved rates, on the extent of recovery of the regulatory asset could prevent the IESO from recognizing a regulatory asset for the entire balance in the recovery right granted to the IESO.
	The proposed Act notes that:
	- *Effective May 1, 2017, the IESO's right to recover the balance in the variance account is subject to the following:*
	  o *The Board shall, from time to time, determine and set rates payable by specified customers to allow for IESO to recover the balance recorded in the variance account.*
	  o *IESO shall not be entitled to collect the variance account from specified consumers before May 1, 2021.*
	Although the process, especially the timing of the recovery of the regulatory asset has not been established yet by the OEB, the wording and intent of the proposed legislation is clear that it is intended by law to be recoverable over the period of 30 years. Further, given the nature and extent of customer demand for the power generated and distributed in Ontario, both at this time and projected in the future, it is reasonable to conclude that there will be sufficient demand to recover the regulatory asset. As with the other criteria, this will
		Met

Criteria	Comment	Evaluation
	need to be continually evaluated throughout the recovery period.	

Management conclusion:

IESO management has concluded that the IESO can recognize a regulatory asset related to the variance account created by the proposed Act based on the foregoing analysis.

The variance account created by the proposed Act is subject to rate regulation by the OEB and the variance account will be established with the right to collect funds against the variance amount in the future. In these circumstances, the IESO is able to establish a regulated asset. The IESO financial statements are prepared in accordance with Canadian public sector accounting standards. Although PSAB does not provide specific guidance on rate regulated accounting, it does under PS 1150 *Generally Accepted Accounting Principles* allow for guidance to be followed from other accounting frameworks. IESO has applied guidance from United States Generally Accepted Accounting Principles (US GAAP) Topic 980, Regulated Operations in its accounting policies.

Our conclusion:

We have considered the foregoing analysis and management's conclusion. We concur that the variance account created by the proposed Act will meet the criteria for the recognition of a regulatory asset stated in ASC 980-340-25-1. Furthermore, we have also considered the criteria stated in ASC 980-10-15-2 and believe that IESO should be allowed to continue to use the guidance for regulated operations of Topic 980.

Background for issue #2

The facts, circumstances, and assumptions relevant to the specific transactions as provided to us by the management of the Company (responsible party), in addition to those described in the background for issue #1, are as follows:

1. The IESO currently has the right to collect the global adjustment ("GA") monthly from ratepayers through provisions in the Electricity Act. It is proposed that collection of a certain portion of the monthly GA be deferred in a regulatory asset for collection in the future, and that the right to recover the deferred GA from ratepayers be used as the basis for structured financing/ securitization.
2. In connection with the proposed Act, it is proposed that a trust to be created as a financial vehicle by OPG in connection with the deferred GA. The OPG Trust will finance the deferral of the GA by purchasing the regulatory asset from the IESO for the principal amount of the GA being deferred.
3. The OPG Trust is expected to finance these purchases from the IESO through a combination of senior secured financing raised in the capital markets, and subordinated financing from OPG (the funding for which will mostly be from equity injections from the OEFC/Province of Ontario).
4. OPG will be appointed as the Financial Services Manager and will be given the responsibility to direct the activities of the OPG Trust, through a services agreement and/or through the Trust's constating documents.

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Appropriate Accounting Principle for issue #2

PS1300 *Government Reporting Entity*:

PSAS refer to government or government organizations. For the purpose of this analysis, the PSAS guidance below relating to government or government organizations should be read and understood as being the IESO (emphasis added).

- The government reporting entity should comprise government components and those organizations that are controlled by the government. [PS 1300.07]
- Control is the power to govern the financial and operating policies of another organization with expected benefits or the risk of loss to the government from the other organization's activities. [PS 1300.08] (emphasis added).
- Whether a government controls an organization is a question of fact that must be determined by reference to the definition of control established in paragraph PS 1300.08 and the particular circumstances of each case. The determination of the fact that control exists will require the application of professional judgment. Government achieves its objectives through a wide range of organizations which individually will fall somewhere along a continuum. At one end of the continuum, it will be clear that an organization does not have the power to act independently and is controlled by the government. At the other end, the organization will have the power to act independently and, while government will have a level of influence on the organization, it will be clear that it does not have control. Along the continuum, consideration needs to be given to the nature of the relationship between the government and the organization in order to determine whether control exists. This Section provides guidance intended to assist in this assessment. [PS 1300.10]
- In applying this guidance, it is necessary to determine the substance of the relationship between the government and the organization. The true nature of certain relationships may not be completely reflected by their legal form. All relevant aspects and implications of the relationship would be considered in determining whether or not the government controls the organization. Where various aspects of the relationship are designed, in effect, to achieve an overall objective, they would be viewed as a whole. [PS 1300.11]
- Financial and operating policies are principles and practices that determine how an organization conducts its activities. The ability to govern these policies is an important element of government control because it establishes the fundamental basis for the conduct of the organization's operations and the achievement of its mission and mandate. [PS 1300.13]
- There are a variety of ways to govern the financial and operating policies of an organization. For example:
  (a) a government may establish an organization's fundamental purpose and eliminate or significantly limit the ability of the organization to make future decisions by predetermining the financial and operating policies of the organization;
  (b) a government may direct the financial and operating policies of an organization on an ongoing basis; or
  (c) a government may veto, overrule or modify the financial and operating policies established by an organization. [PS 1300.14]
- A government does not need to manage an organization's activities on a day-to-day basis to control the organization. It is the government's existing authority to determine the policies governing those activities that is important. [PS 1300.15]

– For the purposes of this Section, it is assumed that where the government has the power to govern the financial and operating policies of an organization, it expects to derive a financial or non-financial benefit. The government may also be exposed to the risk of loss. [PS 1300.16]

Issue #2: Is the trust to be established by Ontario Power Generation (the "OPG Trust") controlled by the IESO according to the guidance issued under PSAS 1300 *Government Reporting Entity* and, therefore, subject to consolidation by IESO?

Under PSAS, IESO is required to consolidate all entities that are considered to be part of its reporting entity, applying the guidance provided in *Section PS 1300 Government Reporting Entity.* Under PS 1300, IESO must consolidate all entities it "controls".

In determining whether or not the OPG Trust should be consolidated by IESO, it must first be determined whether or not the IESO exercises control as a consequence of power to govern the financial and operating policies of the OPG Trust resulting in expected benefits to the IESO or the risk of loss from the activities of the OPG Trust.

PS 1300.17 indicates that "whether a government controls an organization is a question of fact that requires the application of professional judgment based on the definition of control in this Section and the substance of the relationship in each case." Under PS 1300.08 control is defined as "the power to govern the financial and operating policies of another organization with expected benefits or the risk of loss to the government from the other organization's activities". Therefore, the determination of whether IESO will consolidate the OPG Trust will be based on an assessment of whether IESO is considered to control the OPG Trust based on the indicia of control set out in PS 1300. The assessment of the IESO's control of the OPG Trust is made based on the proposed Act, facts and nature of the relationship between the IESO and the OPG Trust and based on facts and assumptions provided by IESO. PS 1300.18 and .19 set out 11 potential indicia of control. Several of these indicia have been categorized as more persuasive of a finding of control (see the first four indicators in the table below). For each indicator that applies, the degree of government influence would determine its importance as evidence of control. Finally, the indicia are considered both collectively and individually.

A detailed analysis of the 11 Indicators of control is provided in the following table.

INDICATOR OF CONTROLS	EVIDENCE OF CONTROL	CONTROL EXIST?
Primary (more persuasive) indicators (PS 1300.18):		
Government has the power to unilaterally appoint or remove a majority of the members of the governing body of the organization	- The proposed Act states: - *OPG is appointed as the Financial Services Manager for the purposes of this Act. (Section 13xx)* - *The Financial Services Manager shall perform the duties assigned to it under this Act and may administer the investment asset on behalf of the investment interest owners. (Section 14xx (1))* - *Subject to any prescribed limitations, the Financial Services Manager may establish and charge fees to recover, the costs of doing anything the*	No

INDICATOR OF CONTROLS	EVIDENCE OF CONTROL	CONTROL EXIST?
	Financial Services Manager is required or permitted to do under this or any other Act; and any other type of expenditure, the recovery of which is permitted by the regulations. (Section 14xx (3)) - The Electricity Act, 1998 (EA) will be amended as follows: - *In addition to the objects mentioned in subsection (1), the objects of OPG include exercising the powers and rights and performing the duties and obligations assigned to it under the Ontario Fair Hydro Plan Act, 2017 and engaging in activities to facilitate the implementation of that Act, including entering into contracts and undertakings on behalf of financing entities and performing other services on behalf of financing entities, subject to the right to be paid by the financing entities for those services." (Section 53.1 (1.1))* - *"OPG may create or invest in one or more subsidiaries, trusts, partnerships or special purpose entities in order to more efficiently conduct its activities or achieve its objects." (Section 53.1 (1.2))* - OPG will establish a trust to manage the collection of the regulatory asset and related financing and administrative expenses. The Board of Trustees of the OPG Trust will be the governing body of the Trust and will be appointed by OPG. OPG will have the power to unilaterally appoint or remove all members of the Board of Trustees. - The IESO will not have any rights in respect of the appointment or replacement of the Board of Trustees of the OPG Trust.	
Government has ongoing access to the assets of the organization, has the ability to direct the ongoing use of those assets, or has ongoing responsibility for losses	- Section 23xx of the proposed Act states: - *A transfer of a specified portion of the regulatory asset under section 22xx constitutes a valid and enforceable absolute assignment, conveyance and sale of the corresponding investment interest to the transferee.* - *Without limiting subsection (1), any transfer agreement that states an intention of the parties for*	No

INDICATOR OF CONTROLS	EVIDENCE OF CONTROL	CONTROL EXIST?
	IESO to dispose of a specified portion of the regulatory asset and to assign, convey or sell a corresponding investment interest shall be treated for all purposes as an absolute assignment, conveyance, disposition and sale of IESO's right to recover the corresponding amount in the variance account and not merely as a security interest. - *At the time a transfer of the regulatory asset is made under section 22xx, the transfer shall be deemed to have been and shall be perfected, vested, valid and binding as against the transferor and all other persons who have claims of any kind against the transferor.* - Based on the proposed Act, *upon transfer by IESO of a portion of the regulatory asset to the OPG Trust, the investment asset resulting from the transfer is immediately vested in the OPG Trust, free and clear of any adverse claim.* (Section 24xx (1.1)) - Therefore, upon transfer of the regulatory asset to the OPG Trust, IESO will no longer have access/ability to direct the regulatory asset nor have the ongoing responsibility for losses. - The credit risk related to the collection of the investment asset is borne by the OPG Trust.	
Government holds the majority of the voting shares or a "golden share" that confers the power to govern the financial and operating policies of the organization	- IESO will not have any ownership in the OPG Trust and will not have the power to govern the financial and operating policies of the OPG Trust.	No
Government has the unilateral power to dissolve the organization and thereby access its assets and become responsible for its obligations	- IESO will not have the power to dissolve the organization.	No

INDICATOR OF CONTROLS	EVIDENCE OF CONTROL	CONTROL EXIST?
Other indicators that may provide evidence of control exist when government has the power to (PS 1300.18):		
Provide significant input into the appointment of members of the governing body of the organization by appointing a majority of those members from a list of nominees provided by others or being otherwise involved in the appointment or removal of a significant number of members	- OPG will have the power to unilaterally appoint or remove all members of the Board of Trustees of the OPG Trust. - IESO will not provide input in the appointment of members of the Board of Trustees.	No
Appoint or remove the CEO or other key personnel	- OPG will have the power to unilaterally appoint or remove all members of the Board of Trustees of the OPG Trust and other key personnel.	No
Establish or amend the mission or mandate of the organization	- The Trust will be established by OPG and the mandate of the Trust will be set based on the proposed Act.	No

Approve the business plans or budgets for the organization and require amendments, either on a net or line-by-line basis	- The proposed Act states:
	  - *OPG is appointed as the Financial Services Manager for the purposes of this Act. (Section 13xx)*
	  - *"The Financial Services Manager shall prepare a written plan entitled the Financing Plan to be used by the Financial Services Manager to evaluate whether potential funding obligations should be incurred for the purposes of acquiring and financing an investment asset in accordance with this Act or for the purposes of refinancing a funding obligation." (Section 16 (1))*
	- OPG is the Financial Services Manager, not IESO.
	- IESO is not involved in the preparation or approval of the business plans or budget of the OPG Trust.
		No

Establish borrowing or investment limits or restrict the organization's investments	- Section 17 of the proposed Act states: - *The Financial Services Manager shall ensure that funding obligations incurred for the purposes*	No

INDICATOR OF CONTROLS	EVIDENCE OF CONTROL	CONTROL EXIST?
	of this Act are incurred in a manner that is consistent with the applicable Financing Plan. - OPG not IESO, is responsible for ensuring that the borrowings of the OPG Trust meet the above conditions.	
Restrict the revenue-generating capacity of the organization, notably the sources of revenue	- N/A	No
Establish or amend the policies that the organization uses to manage, such as those relating to accounting, personnel, compensation, collective bargaining or deployment of resources	- As mentioned above, OPG will be granted by legislation the power to establish or amend the policies of the OPG Trust and the ability to appoint and remove all members of the Board of Trustees.	No

Management Conclusion:

IESO management has concluded that the OPG Trust to be established would not be controlled by the IESO and therefore is not subject to consolidation by the IESO.

Based on the foregoing analysis of the 11 indicators of control as defined in Section PS 1300 *Government Reporting Entity,* considered both individually and collectively there is no evidence of control by the IESO in respect of the OPG Trust. The IESO will not have the power to govern the Trust, nor have ongoing access to Trust's assets. The IESO will also not have any voting shares or future rights to the Trust nor the power to dissolve the Trust. Without control, the Trust is not subject to consolidation within the IESO financial statements.

Our Conclusion:

We have considered the foregoing analysis and management's conclusion. We concur that based on the Proposed Act, none of the four primary (more persuasive) indicators of control are considered to be met, and none of the seven other indicators of control are considered to be met. Accordingly, we concur that the IESO does not control the OPG Trust under the proposed Act and hence would not consolidate the OPG Trust.

The adoption of the proposed Act (including the subsequent amendments of the Electricity Act and the OEB Act) and the finalization of the financing structure (including the bylaws and regulations of the OPG Trust) and other agreements will take several weeks. Accordingly, our judgment on the appropriate application of PSAS to the conclusion on control may change subject to further analysis of any changes to the terms of the proposed Act or review of the final regulations, financing structure and other agreements.

KPMG

Background for issue #3

The facts, circumstances, and assumptions relevant to the specific transactions as provided to us by the management of the Company (responsible party), in addition to those described in the background for issues #1 and 2, are as follows:

1. The total IESO funding shortfall for the period from May 1, 2017 to April 30, 2047 is estimated at $28 billion plus interest and will be recorded by the IESO in a variance account recognized as a regulatory asset.
2. The IESO does not currently have the financial capability to finance the regulatory asset and will transfer the variance account to an investment asset owner (i.e. OPG Trust) on a monthly basis.
3. The IESO will obtain a written legal opinion as to the validity and enforceability of the transfer and sale of the regulatory asset.
4. Based on an assessment of control performed under the issue #2, IESO will not consolidate the OPG Trust. We understand that an assessment of control under International Financial Reporting Standards ("IFRS") has been performed by OPG and they have concluded that the OPG Trust will be consolidated by OPG; we note that the financial reporting framework used by OPG in preparing its financial statements for consolidation into the Province's books is IFRS.
5. The Electricity Act, OEB Act and other regulations will be amended to reflect the following *extracts from the proposed Act:*

   Section 11xx IESO to receive amounts

   (2) The IESO shall, as an agent of the investment interest owners, receive amounts in respect of the clean energy adjustment paid to it from electricity vendors in accordance with the regulations and the market rules made under section 32 of the *Electricity Act, 1998.*

   (4) All amounts received by the IESO in respect of the clean energy adjustment shall, until paid to or for the benefit of the investment interest owner, be received and held in trust by the IESO for the investment interest owners.

   (5) The IESO shall remit amounts received by it in respect of the clean energy adjustment, inclusive of interest earned on the accounts referred to in subsection (2), to or for the benefit of the investment interest owners in accordance with the regulations.

   Section 12xx Pro rating of payments

   (3) If an electricity vendor receives a payment made by or on behalf of a specified consumer in respect of amounts payable under one or more invoices and the amount paid is less than the total amount payable, the electricity vendor shall allocate the payment on a pro rata basis to the clean energy adjustment and other amounts payable under the relevant invoices in respect of electricity charges in respect of the same invoice period.

   Section 22xx Transfer of regulatory asset

   (1) The IESO may from time to time, in accordance with this Act and the regulations, transfer a specified portion of the regulatory asset to a financing entity in accordance with this section.

   (2) An agreement between the IESO and a financing entity in relation to the transfer of a specified portion of the regulatory asset shall provide for consideration of a payment by the financing entity to the IESO in an amount equal to the amount of the specified portion.

(3) Upon receipt by the IESO of the payment by the financing entity,

(a) the balance in the variance account shall be reduced by the amount of the payment;

(b) the regulatory asset shall be adjusted accordingly;

(c) the financing entity shall acquire a corresponding investment interest; and

(d) the IESO shall retain no further right, title or interest in the investment interest.

Section 23xx Validity of transfer

(1) A transfer of a specified portion of the regulatory asset under section 22xx constitutes a valid and enforceable absolute assignment, conveyance and sale of the corresponding investment interest to the transferee.

(2) Without limiting subsection (1), any transfer agreement that states an intention of the parties for IESO to dispose of a specified portion of the regulatory asset and to assign, convey or sell a corresponding investment interest shall be treated for all purposes as an absolute assignment, conveyance, disposition and sale of IESO's right to recover the corresponding amount in the variance account and not merely as a security interest.

(3) At the time a transfer of the regulatory asset is made under section 22xx, the transfer shall be deemed to have been and shall be perfected, vested, valid and binding as against the transferor and all other persons who have claims of any kind against the transferor.

(4) Subsection (3) applies regardless of whether the persons who have claims have received notice of the transfer and the property rights and interests acquired by the transferee shall have priority over any liens in favour of those persons.

Section 25xx Investment asset established

(1) The investment asset constitutes a current and irrevocable property right and interest consisting, collectively, of the following rights and interests of investment interest owners:

1. The right and interest to impose, invoice, collect, receive and recover the clean energy adjustment from specified consumers, including the right to determine the clean energy adjustment in accordance with this Act.

2. The right to receive, collect and recover the clean energy adjustment that are imposed, invoiced and recoverable under this Act, including any amounts in respect of the clean energy adjustment that are held by electricity vendors, IESO and other prescribed parties.

Section 26xx Transfer of investment interest

(2) An investment interest owner may transfer all or a portion of an investment interest to any other investment interest owner, including by way of a transfer of a divided or an undivided interest, in accordance with the Financing Plan.

Section 28xx Investment interest owner may grant security interest

(1) An investment interest owner may grant a security interest over all or a specified portion of its right, title and interest in, to and under the investment interest to or in favour of any person to secure a funding obligation.

(3) All provisions of the Personal Property Security Act shall apply to the investment asset and each investment interest on the basis that the investment asset and each investment interest is intangible personal property, except as otherwise provided for in this section, and any granting of a security interest by an investment interest owner to secure a funding obligation shall, subject to the terms of the funding obligation, give rise to a security interest in respect of which that Act applies and may be perfected by filing a financing statement under that Act on that basis.

6. The terms of the transfer agreement between the IESO and the OPG Trust that will be signed and executed upon transfer of the regulatory assets will be in compliance with the dispositions of the proposed Act.

Appropriate Accounting Principle for issue #3

The Derecognition Section of ASC 980-20-40 provides guidance on determining whether and when an entity should remove an item from the financial statements. For example, the entity would derecognize an asset because it no longer has rights to the asset or it would derecognize a liability because it no longer has any obligation. [ASC 980-20-40]

Failure of an entity's operations to continue to meet the criteria in paragraph 980-10-15-2 can result from different causes. Examples include the following:

(e) Deregulation.

(f) A change in the regulator's approach to setting rates from cost-based rate-making to another form of regulation.

(g) Increasing competition that limits the entity's ability to sell utility services or products at rates that will recover costs (as used in paragraph 980-10-15-2).

(h) Regulatory actions resulting from resistance to rate increases that limit the entity's ability to sell utility services or products at rates that will recover costs if the entity is unable to obtain (or chooses not to seek) relief from prior regulatory actions through appeals to the regulator or the courts. [ASC 980-20-15-2]

PS1000 *Financial statement concepts*:

- This Section is to be used by preparers and auditors of financial statements in exercising their professional judgment as to the application of generally accepted accounting principles and in establishing accounting policies in areas in which accounting principles are developing. [PS1000.03]
- Financial statements should communicate information that is relevant to the needs of those for whom the statements are prepared, reliable, comparable, understandable and clearly presented in a manner that maximizes its usefulness. [PS1000.24]
- An item is not an asset of a government if it lacks one or more of the essential characteristics listed in the preceding paragraph [PS3210.04]. Thus, for example, an item does not qualify as an asset of a government if the item involves:
  - (a) no future economic benefit;
  - (b) future economic benefit, but the government cannot obtain it; or
  - (c) future economic benefit that the government may obtain, but the events or circumstances that give the government control of the benefit have not yet occurred. [PS1000.37]

PS3210 *Assets*:

- Assets are economic resources controlled by a public sector entity as a result of past transactions or events and from which future economic benefits are expected to be obtained. [PS3210.03]
- Assets have three essential characteristics:
  (a) They embody future economic benefits that involve a capacity, singly or in combination with other assets, to provide goods and services, to provide future cash inflows, or to reduce cash outflows.
  (b) The public sector entity can control the economic resource and access to the future economic benefits.
  (c) The transaction or event giving rise to the public sector entity's control has already occurred. [PS3210.04]
- Control of an economic resource and of access to the future economic benefits are essential characteristics of an asset, whereas possession or ownership is not. [PS3210.22]

PS3430 *Restructuring transactions* [1]

- Individual assets and liabilities transferred in a restructuring transaction should be derecognized by the transferor if they no longer meet the definitions of assets and liabilities and applicable recognition criteria at the restructuring date. [PS3430.21]
- When a transferor continues to be involved in the individual assets and/or liabilities it transferred to a recipient subsequent to the restructuring date, it would assess the nature and extent of its continued involvement against the definitions of assets and liabilities and applicable recognition criteria to evaluate whether:
  (a) derecognition of the asset and liability transferred would be appropriate; and
  (b) its continued involvement gives rise to a new asset or new liability that needs to be recognized. [PS3430.24]
- A new asset or new liability may arise from a restructuring due to a transferor's continued involvement in the individual assets and liabilities transferred (for example, if it agrees to guarantee repayment of all or a portion of a transferred liability or leases back a portion of a transferred asset). As the new asset or new liability is not transferred, together with related program or operating responsibilities, they are not part of the restructuring transaction. They would be accounted for in accordance with individual Sections of the PSA Handbook by both the transferors and recipients. [PS3430.25]

1 This Section applies to fiscal years beginning on or after April 1, 2018. [...] Earlier adoption is permitted."

Issue #3: What is the accounting treatment for derecognition of the regulatory asset by the IESO upon transfer of the variance account to the OPG Trust?

Although ASC 980-20-40 states that

> *"Derecognition Section provides guidance on determining whether and when an entity should remove an item from the financial statements. For example, the entity would derecognize an asset because it no longer has rights to the asset or it would derecognize a liability because it no longer has any obligation."*

Subtopic 980-20 relates to discontinuation of rate-regulated accounting when an entity no longer meets the criteria in paragraph 980-10-15-2. ASC 980-20-15-2 provides examples of when an entity no longer meets the criteria, including deregulation and change of the form of regulation. Thus, ASC 980 does not provide clear guidance for the derecognition of a regulatory asset other than in connection with the discontinuation of rate-regulated accounting.

The above guidance in ASC 980-20-40 provides general principles for the derecognition of assets.

It should also be noted that PSASs provide limited guidance on derecognition of non-financial assets and liabilities. Section 3430 *Restructuring transactions,* which is applicable for fiscal years on or after April 1, 2018 with early application permitted, has guidance for the derecognition of assets and liabilities.

- Paragraph 21 states that individual assets and liabilities transferred in a restructuring transaction should be derecognized by the transferor if they no longer meet the definitions of assets and liabilities and applicable recognition criteria at the restructuring date.
- As stated in paragraph 24, when a transferor continues to be involved in the individual assets and/or liabilities it transferred to a recipient subsequent to the restructuring date, it would assess the nature and extent of its continued involvement against the definitions of assets and liabilities and applicable recognition criteria to evaluate whether derecognition of the asset and liability transferred would be appropriate and whether its continued involvement gives rise to a new asset or new liability that needs to be recognized.

Recognizing the proposed transaction is not a restructuring transaction, Section 3430, which has recently been issued by PSAB, provides current evidence of thinking in the application of the general PSAS principles in respect of the recognition and derecognition of assets and liabilities. Accordingly, the analysis as to whether the regulatory asset transferred to the OPG Trust can be derecognized is based on the foregoing guidance.

Criteria for the recognition of an asset

PS3210.03 states that assets are economic resources controlled by a public sector entity as a result of past transactions or events and from which future economic benefits are expected to be obtained. More generally, PSAS PS1000.37 suggests that an asset would no longer be recognized when it fails to meet the definition of an asset:

Criteria	Comment	Evaluation
Assets (PS3210.04/ PS1000.36): Assets have three essential characteristics: (a) They embody future economic benefits that involve a capacity, singly or in combination with other assets, to provide goods and services, to provide future cash inflows,	Based on the guidance, the regulatory asset does not qualify as an asset of IESO if it cannot obtain the future economic benefits. Upon transfer of the regulatory asset, IESO will have no further rights or obligations in connection with the asset transferred. - *IESO may from time to time, in accordance with this Act and the regulations, transfer a specified portion of the regulatory asset to a financing entity in accordance with this section.* - *Upon receipt by IESO of the payment by the financing entity, IESO shall retain no further right, title or interest in the corresponding investment interest.*	Not Met

Criteria	Comment	Evaluation
or to reduce cash outflows. (b) The public sector entity can control the economic resource and access to the future economic benefits. (c) The transaction or event giving rise to the public sector entity's control has already occurred. *Financial statement concepts (PS1000.37):* An item is not an asset of a government if it lacks one or more of the essential characteristics listed in the preceding paragraph [see above]. Thus, for example, an item does not qualify as an asset of a government if the item involves: (a) no future economic benefit (b) future economic benefit, but the government cannot obtain it.	- *A transfer of a specified portion of the regulatory asset under section 22xx constitutes a valid and enforceable absolute assignment, conveyance and sale of the corresponding investment interest to the transferee.* - *Without limiting subsection (1), any transfer agreement that states an intention of the parties for IESO to dispose of a specified portion of the regulatory asset and to assign, convey or sell a corresponding investment interest shall be treated for all purposes as an absolute assignment, conveyance, disposition and sale of IESO's right to recover the corresponding amount in the variance account and not merely as a security interest.* - *At the time a transfer of the regulatory asset is made, the transfer shall be deemed to have been and shall be perfected, vested, valid and binding as against the transferor and all other persons who have claims of any kind against the transferor."* Upon transfer of the regulatory asset, the OPG Trust will have the right to sell the asset to another party or to grant a security interest in favour of any person to secure a funding obligation. - *Upon transfer, the financing entity becomes an investment asset owner and acquires an investment interest."* - *An investment interest owner may transfer all or a portion of an investment interest to any other investment interest owner, including by way of a transfer of a divided or an undivided interest, in accordance with the Financing Plan.* - *An investment interest owner may grant a security interest over all or a specified portion of its right, title and interest in, to and under the investment interest to or in favour of any person to secure a funding obligation.* Based on the proposed Act, it is clear that IESO will have no rights to the benefits associated with the future cash inflows related to the regulatory asset as it will have transferred its right to recover the IESO funding shortfall to the OPG Trust. Further, it is also clear that IESO will have lost control over the regulatory asset once it is transferred to OPG Trust.	

Management conclusion:

IESO management has concluded that the regulatory asset will be derecognized upon transfer of the variance account to the OPG Trust.

The transfer of the variance account transfers the control and the benefits associated with the right to collect funds in the future against the variance amount to the OPG Trust. This will eliminate the IESO asset by the amount of the transfer as the IESO will no longer control an economic resource or have access to future economic benefits for that amount. The funds collected from the transfer will in turn reduce the associated debt held by the IESO, maintaining the IESO's net $ nil balance in the market accounts.

Our conclusion:

We have considered the foregoing analysis and management's conclusion. We concur that the regulatory asset should be derecognized on transfer to the OPG Trust as IESO no longer has rights or future economic benefits associated with the asset.

Other Matters

The ultimate responsibility for the decision on the appropriate application of PSAS for the specific transactions rests with management as preparers of the financial statements. Our judgment on the appropriate application of PSAS for the specific transaction is based solely on the facts, circumstances and assumptions provided to us as described above. Should these facts and circumstances differ, our conclusion may change.

This letter has been prepared in draft form and will be updated upon receipt of the adopted legislation (including the amendments of the Electricity Act and the OEB Act) and finalized financial structure (including the bylaws and regulations of the OPG Trust) and other relevant agreements necessary for us to provide our final opinion, of which legislation and other relevant agreements are expected to be enacted/ finalized on or before June 30, 2017. This letter will not be updated as a consequence of pronouncements by the Public Sector Accounting Board, or any other authoritative bodies, that occur subsequent to the date of this letter.

This letter is intended solely for the information and use of the Board of Directors and management of the Company, and is not intended to be and should not be used, quoted, relied upon by, or otherwise referred to by anyone other than these specified parties or for any other purpose.

No one other than the Board of Directors and management of the Company is authorized by KPMG to rely upon any information or views expressed herein. KPMG shall have no responsibility or liability for loss or damages or claims, if any, to or by any third party as this letter has not been prepared for, and is not intended for, and should not be used by, any third party or for any other purpose.

Yours very truly,

per Michel Picard
Partner
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Appendix A:

Draft of the Ontario Fair Hydro Plan Act, 2017

Version 6

This confidential draft document is provided for discussion purposes only. It should not be construed as representing the position adopted by the Government of Ontario on any of the topics included or not included in this document. The notes included in this document are intended only to help facilitate a discussion of the topics to which they relate. Any potential legislation is subject to the approval of the Ontario Legislature.

Confidential Draft

A proposal to create Legislation.

Ontario Fair Hydro Plan Act, 2017, if enacted

A proposal to create Legislation.

Ontario Fair Hydro Plan Act, 2017, if enacted

EXPLANATORY NOTE TO BE ADDED BY LEGISLATIVE COUNSEL TO ANY FINAL BILL PRIOR TO INTRODUCTION.

Confidential Draft

Preamble

The Government of Ontario is committed to fostering the development of a clean, modern and reliable electricity system with a diverse supply mix. The Government is also committed to removing barriers to and promoting opportunities for renewable and clean energy projects.[1] These commitments can only be achieved if costs are shared fairly among consumers, today and in the future.

Electricity rates have risen for two key reasons. First, decades of under-investment in the electricity system resulted in the need to invest more than $50 billion in generation, transmission and distribution assets to ensure the system is clean and reliable. Second, the decision to eliminate Ontario's use of coal and produce clean, renewable power has created additional costs.

The actions taken to achieve a clean, modern and reliable electricity system have resulted in significant costs to residential consumers. The burden of financing these system improvements and funding key programs has unfairly fallen almost entirely on the shoulders of those consumers.

The Government of Ontario is committed to ensuring that the costs of financing these investments and the associated charges to consumers are allocated fairly among present and future generations.

Recognizing that the electricity infrastructure that has been built and the policy decisions that have been made will create benefits for years to come, costs should be allocated fairly over time, so that residential consumers in the future pay their fair share for the benefits that they receive from the investments already made.

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PART I
GENERAL

Interpretation
Definitions

1xx. (1) In this Act,

"Board" means the Ontario Energy Board; ("French")

"clean energy adjustment" means the amount determined under section 10xx and payable by specified consumers; ("French")

"clean energy benefits" means the value of the benefits determined to be derived by or accruing to specified consumers as a result of the clean energy initiative, including as a result of clean energy costs; ("French")

"clean energy costs" means the value of the costs allocated to specified consumers as a result of the clean energy initiative, including as a result of past, present and expected costs incurred in respect of,

(a) the amounts to be paid or reflected by IESO in adjustments made under section 25.33 of the *Electricity Act, 1998* or any provision that is the successor to that provision, which relate to contracts or amounts for,

(i) renewable energy generation or capacity,

(ii) conservation and demand management,

(iii) energy storage,

(iv) energy efficiency,

(v) natural gas generation and capacity, excluding contracts relating to amounts payable by IESO under section 78.2 of the *Ontario Energy Board Act, 1998* and excluding such other contracts as may be prescribed,

(b) payments made or expected to be made under section 78.5 of the *Ontario Energy Board Act, 1998*, and

(c) such other costs or estimated costs as may be prescribed; ("French")

"clean energy initiative" means the policies of the Government of Ontario related to,

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(a) eliminating coal generation and fostering the growth of and investment in clean, modern and reliable energy sources and technologies,

(b) removing barriers to and promoting opportunities for clean and renewable energy sources and technologies,

(c) promoting conservation, demand management and energy efficiency, and

(d) investing in energy infrastructure to ensure a clean, modern and reliable system; ("French")

"electricity vendor"[2] means,

(a) a licensed distributor,

(b) a licensed retailer,

(c) IESO in circumstances where it directly invoices a specified consumer for electricity used in Ontario, or

(d) such other person as may be prescribed; ("French")

"fair allocation amount" means an amount calculated under section 15xx; ("French")

"finance amount" means the finance amount determined in accordance with the regulations; ("French")

"financing entity" means an entity established or caused to be established as described in subsection 17xx (3); ("French")

"Financial Services Manager" means the Financial Services Manager appointed under section 13xx; ("French")

"Financing Plan" means a plan prepared under section 16xx; ("French")

"funding obligation" means a payment obligation incurred by or on behalf of an investment interest owner to fund its ownership of an investment interest or a payment obligation that meets such other criteria as may be prescribed; ("French")

[2] FLS - this is similar to the definition of "electricity vendor" in the Ontario Rebate for Electricity Consumers Act, 2016

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"funding rebate" means a payment obligation incurred by IESO as part of the transfer of the regulatory asset; ("French")

"IESO" means the Independent Electricity System Operator continued under Part II of the *Electricity Act, 1998*; ("SIERE")

"IESO deferral" means the amount determined under section 20xx; ("French")

"investment asset" means the rights and interests described in section 25xx; ("French")

"investment interest owner" means a financing entity that has acquired and holds an investment interest; ("French")

"investment interest" means,

(a) an ownership interest in the investment asset, and

(b) in circumstances where the ownership interest is transferred, the rights and benefits specified in the agreement under which the interest is transferred; ("French")

"licensed distributor" means a person licensed under Part V of the *Ontario Energy Board Act, 1998* to own or operate a distribution system within the meaning of the *Electricity Act, 1998*; ("French")

"licensed retailer" means a person who is licensed under Part V of the *Ontario Energy Board Act, 1998* to retail electricity; ("French")

"Minister" means the Minister of Energy or such other member of the Executive Council as may be assigned the administration of this Act under the *Executive Council Act*; ("ministre")

"Ontario Power Generation Inc." means the corporation incorporated as Ontario Power Generation Inc. under the *Business Corporations Act* on December 1, 1998; ("Ontario Power Generation Inc.")

"prescribed" means prescribed by the regulations; ("prescrit")

"reference period" means,

(a) the period beginning on July 1, 2017 and ending on October 31, 2017, and

(b) during the period beginning on November 1, 2017 and ending on April 30, 2047 or ending on such later day as may be prescribed,

(i) every six-month period following the period mentioned in clause (a); or

(ii) any period shorter than six months, as may be prescribed; ("French")

"refinancing" means, subject to the regulations, the incurrence of debt in connection with a redemption, repayment or repurchase of a funding obligation; ("French")

"regulation" means a regulation made under this Act; ("règlement")

"regulatory asset" means the right and interest established under section 21xx; ("French")

"specified consumer" means,

(a) a person who has an account with an electricity vendor for the supply of electricity in Ontario and meets the criteria set out in subsection (2); or

(b) such other person as may be prescribed; ("French")

"transfer" includes, when used in relation to an investment interest, the assignment, conveyance, disposition or sale of the investment interest; ("French")

"true up amount" means a true up amount determined in accordance with the regulations; ("French")

"unit sub-metering" has the same meaning as in the *Energy Consumer Protection Act, 2010*; ("activités liées aux compteurs divisionnaires d'unité")

"unit sub-meter provider" has the same meaning as in the *Energy Consumer Protection Act, 2010*; ("fournisseur de compteurs divisionnaires d'unité")

"variance account" means the variance account established by IESO under subsection 20.1xx (1). ("French")

Specified consumer

(2) For the purposes of clause (a) of the definition of "specified consumer" in subsection (1), the person must meet any one of the following criteria:

1. The person has a demand for electricity of 50 kilowatts or less, or such other amount as may be prescribed.

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2. The person annually uses not more than 250,000 kilowatt hours of electricity, or such other amount as may be prescribed.

3. The person carries on a business that is a farming business for the purposes of the *Farm Registration and Farm Organizations Funding Act, 1993* and either holds a valid registration number assigned under that Act or has had the obligation to file a farming business registration form waived pursuant to an order made under subsection 22 (6) of that Act.

4. The person's account with the electricity vendor relates to,

   i. a dwelling,

   ii. a property within the meaning of the *Condominium Act, 1998*,

   iii. a residential complex within the meaning of subsection 2 (1) of the *Residential Tenancies Act, 2006*, without regard to section 5 of that Act, or

   iv. a property that includes one or more housing units and that is owned or leased by a co-operative within the meaning of the *Co-operative Corporations Act*.

5. The person satisfies such criteria as may be prescribed.

Transfer of regulatory asset

(3) In this Act, a reference to the transfer of a specified portion of the regulatory asset is a reference to the following, as provided for in subsection 22xx (3):

1. A reduction in the balance in the variance account.

2. The adjustment of the regulatory asset.

3. The acquisition by a financing entity of the investment interest corresponding to the specified portion of the regulatory asset.

Effect of invalidity, etc.[3]

2xx. (1) For greater certainty, all of the provisions of this Act remain in full force and effect, even if one or more provisions are held to be invalid, the intention of the

[3] FLS: this is from the *Climate Change Mitigation and Low-carbon Economy Act, 2016*

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Legislature being to give separate and independent effect to the extent of its powers to every provision contained in this Act.

Same, funding obligation

(2) The fact that any provision of this Act is held to be invalid or ceases to be in effect for any reason does not affect the validity or enforceability of a funding obligation incurred before the day that the provision is held to be invalid or ceases to be in effect, or any rights or obligations associated with the funding obligation.

Purpose

3xx. (1) The purposes of this Act are,[4]

(a) to ensure that clean energy costs and clean energy benefits are fairly allocated among present and future specified consumers;

(b) to recognize that clean energy benefits have accrued and will accrue over time and will continue to benefit present and future electricity consumers in the Province; and

(c) to align clean energy costs with clean energy benefits, in order to provide fairness for specified consumers.

Crown bound

4xx. This Act binds the Crown.

Protection and assurances

Prohibition

5xx. (1) No action or omission by the Board, the Minister or the Crown shall be effective to reduce, impair, postpone or terminate the obligations of specified consumers to pay amounts in respect of the clean energy adjustment or to impair or postpone the invoicing, collection or remittance of the clean energy adjustment.

Agreements

(2) The Minister and the Minister of Finance may together, with the approval of the Lieutenant Governor in Council, enter into agreements on behalf of the Province of Ontario with any person in respect of this Act, including agreements regarding the performance of IESO or electricity vendors under this Act or similar transactions.

Guarantee, indemnification

(3) The Lieutenant Governor in Council may by order,

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[4] FLS: Please see the *Electricity Act, 1998* for much of the wording proposed in this section.

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(a) authorize the Minister and the Minister of Finance, acting together on behalf of the Province,

(i) to agree to guarantee or indemnify any debts, obligations, securities or undertakings associated with an investment interest, and

(ii) to determine terms and conditions of the guarantee or indemnity and the maximum liability for the guarantee or indemnity;

(b) specify terms and conditions that must be included in any guarantee or indemnity given by the Minister and the Minister of Finance; and

(c) specify a maximum liability for the guarantee or indemnity.

PART II
FAIR ADJUSTMENT

Definitions

6xx. In this Part,

"regulated rate consumer" means a specified consumer who meets the following criteria:

1. The consumer is a member of the class of consumers prescribed by the regulations made under the *Ontario Energy Board Act, 1998* for the purposes of subsection 79.16 (1) of that Act.

2. The consumer would, if the consumer were not subject to this Act, be invoiced the rate determined by the Board under clause 79.16 (1) (b) of the *Ontario Energy Board Act, 1998*. ("French")

Regulated rate consumer, first adjustments

6.1xx (1) Despite any order under subsection 78 (3.1) of the *Ontario Energy Board Act, 1998* and despite section 79.16 of that Act, the electricity rates payable by regulated rate consumers for the period beginning on July 1, 2017 and ending on April 30, 2018 are the rates, as determined by the Board, that would achieve the following outcome: a fictional regulated rate consumer who meets the prescribed criteria would be charged an invoice amount that is 25 per cent less than the invoice amount that would have been charged to that consumer under the comparison rates described in subsection (2).

Comparison rates

(2) The comparison rates are the rates that would have been effective May 1, 2017 if they had been determined by the Board solely using the method prescribed by the

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regulations made under clause 79.16 (1) (b) of the *Ontario Energy Board Act, 1998*, without taking into account any forecasted impact of any other provisions of this Act.

Invoice amounts

(3) Each invoice amount mentioned in subsection (1) shall be determined in accordance with the regulations.

Other specified consumers, first adjustment

6.2xx (1) For the period beginning on July 1, 2017 and ending on April 30, 2018, the adjustments made by the IESO under section 25.33 of the *Electricity Act, 1998* shall, with respect to specified consumers who are not regulated rate consumers, be further adjusted by electricity vendors in accordance with the determinations of the Board under subsection (2).

Board to make determinations

(2) The Board shall, in accordance with the regulations, determine the adjustments to be made by electricity vendors.

Same, regulations

(3) The regulations may specify different adjustments to be made in respect of prescribed classes of specified consumers who are not regulated rate consumers.

Determinations by Board

6.3xx The Board shall make the determinations mentioned in sections 6.1xx and 6.2xx no later than fifteen business days after the day this section receives Royal Assent and, regardless of whether the Board makes the determinations before or after July 1, 2017, the determinations shall be effective as of July 1, 2017.

Implementation by electricity vendors

6.4xx (1) As soon as possible after the Board makes determinations under section 6.3xx, each electricity vendor shall, in respect of electricity used on or after July 1, 2017, ensure that its invoices reflect the determinations of the Board.

Same

(2) The electricity vendor shall ensure that, if any of its specified consumers have been invoiced in a manner that does not reflect the determinations of the Board under section 6.3xx, the specified consumer receives the difference between the amounts shown on the invoice and the amounts reflecting the Board's determinations, provided as a lump sum credit on the first invoice issued after the electricity vendor has adapted its invoices or by such other means as may be prescribed.

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Subsequent adjustments

7xx. (1) Despite clause 79.16 (1) (b) of the *Ontario Energy Board Act, 1998* and subject to subsection (2), the Lieutenant Governor in Council may prescribe the methodology to be applied by the Board after April 30, 2018 for the purpose of determining,

(a) electricity rates for specified consumers; or

(b) adjustments to be applied by electricity vendors to the adjustments made by the IESO under section 25.33 of the *Electricity Act, 1998* in respect of prescribed classes of specified consumers.

Limitation

(2) Any prescribed methodology to be applied in respect of a period after June 30, 2021 shall have regard to the following:

1. The fair allocation amount in respect of the period.

2. Any clean energy adjustments payable in respect of the period.

3. Such other matters as may be prescribed.

Sub-metering

7.1xx (1) This section applies if a specified consumer provides to another person electricity in respect of which a determination of the Board referred to in section 6.3xx or section 7xx applies.

Same

(2) If an invoice for the electricity is issued to the person by the specified consumer or a unit sub-meter provider providing unit sub-metering for the specified consumer, the amount payable for the electricity by the person who is liable to pay the invoice shall be determined in accordance with the regulations.

PART III
CLEAN ENERGY ADJUSTMENT

Specified consumers to pay

8xx. (1) Upon receipt of an invoice from an electricity vendor that includes an amount in respect of the clean energy adjustment, a specified consumer shall pay the amount to the electricity vendor, as agent of the investment interest owners.

Same

(2) For greater certainty, subsection (1) applies regardless of,

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(a) whether the clean energy adjustment was determined in a manner that was inconsistent with this Act; and

(b) whether the amount payable in respect of the clean energy adjustment relates to funding obligations that were incurred in a manner that was inconsistent with the Financing Plan, including in a manner that failed to provide for the reasonable alignment of the estimated finance amount with the fair allocation amount.

Terms

(3) The payment shall be made in accordance with such terms of payment as may be specified in the invoice, which may include terms relating to late payment fees and interest charges.

Indebtedness of specified consumer

(4) An unpaid amount that is required to be paid by a specified consumer under this section constitutes indebtedness of the specified consumer to each investment interest owner to the extent of each owner's respective interest in the investment asset.

Same

(5) The indebtedness mentioned in subsection (4) is a single and separate debt obligation owed by the specified consumer and may be enforced independently from any other payment obligation or indebtedness owing by the specified consumer.

Unit sub-metering

(6) A specified consumer who provides electricity through sub-metering may collect amounts in respect of the clean energy adjustment payable under this section in accordance with the regulations.

Irrevocability of amount

9xx. (1) An amount in respect of the clean energy adjustment shown on an invoice issued to a specified consumer under this Act is determinative of the amount of the consumer's indebtedness resulting from the clean energy adjustment and is irrevocable upon invoicing the consumer and may not be set off or by passed.

Exception

(2) Subsection (1) does not apply to the extent that the invoice reflects a clerical, typographical or calculation-related error.

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Determination of clean energy adjustment
Financial Services Manager to determine

10xx. (1) The Financial Services Manager shall determine the clean energy adjustment payable by all specified consumers in respect of each month in a reference period by taking the following steps:

1. Calculate the sum of the following:

    i. The estimated finance amount in respect of the reference period.

    ii. The true up amount in respect of the reference period.

2. Divide the sum calculated under paragraph 1 by the number of months in the reference period.

Regulations re true up amount

(3) The Lieutenant Governor in Council shall, in making regulations with respect to the determination of the true up amount, have regard to the following principles:

1. The true up amount should serve to ensure that the collection of the clean energy adjustment is sufficient to pay the finance amount when it is due.

2. The method for determining the true up amount should take into account historical and reasonably foreseeable,

    i. differences between the estimated and actual finance amount for the applicable reference period,

    ii. differences between amounts invoiced and amounts collected due to various factors, including applicable taxes, consumer defaults and delays, billing lags and write-offs, and

    ii. variations in billings due to variations in electricity consumption.

Financial Services Manager to notify Board

(4) The Financial Services Manager shall, in accordance with the regulations, notify the Board of the clean energy adjustment in respect of a reference period and such other information related to the determination of the clean energy adjustment as may be prescribed.

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Board to determine rates

(5) Without changing the clean energy adjustment, the Board shall, in accordance with the regulations, determine the rate at which specified consumers are invoiced to recover the clean energy adjustment in respect of the reference period.

IESO to receive amounts

11xx. (2) IESO shall, as an agent of the investment interest owners, receive amounts in respect of the clean energy adjustment paid to it from electricity vendors in accordance with the regulations and the market rules made under section 32 of the *Electricity Act, 1998*.

Account

(3) All of the following amounts received by IESO shall, until paid to or for the benefit of the investment interest owners in accordance with subsection (5), be deposited promptly into an account established for the purposes of receiving those amounts:

1. Amounts described in subsection 11xx (2).

2. Payments made by specified consumers directly to IESO as electricity vendor under subsection 8xx (1).

3. Proceeds of amounts described in paragraphs 1 and 2.

Same, held in trust

(4) All amounts received by IESO in respect of the clean energy adjustment shall, until paid to or for the benefit of the investment interest owners, be received and held in trust by IESO for the investment interest owners.

IESO to remit

(5) IESO shall remit amounts received by it in respect of the clean energy adjustment, inclusive of interest earned on the accounts referred to in subsection (2), to or for the benefit of the investment interest owners in accordance with the regulations.

Electricity vendor to invoice specified consumers

12xx. (1) Each electricity vendor shall issue an invoice to each of its specified consumers for the amount payable by the consumer in respect of the clean energy adjustment, as determined by applying the rate set by the Board under subsection 10xx (5) and in accordance with the regulations.

Electricity vendor to report

(1.1) Each electricity vendor shall, in accordance with the regulations, promptly report to IESO the total amount invoiced to its specified consumers in respect of the clean

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energy adjustment, the amount collected and such other information as may be prescribed.

Electricity vendor to collect

(2) Each electricity vendor shall, as agent of the investment interest owners, collect amounts in respect of the clean energy adjustment from specified consumers in accordance with the regulations.

Pro rating of payments

(3) If an electricity vendor receives a payment made by or on behalf of a specified consumer in respect of amounts payable under one or more invoices and the amount paid is less than the total amount payable, the electricity vendor shall allocate the payment on a pro rata basis to the clean energy adjustment and other amounts payable under the relevant invoices in respect of electricity charges in respect of the same invoice period.

Held in trust

(4) Payments received by an electricity vendor from or on behalf of specified consumers in respect of the clean energy adjustment and all proceeds of the payments shall, until paid to or for the benefit of the investment interest owners in accordance with subsection (5), be received by and held by each electricity vendor in trust for the benefit of the investment interest owners.

Remittance to IESO

(5) Each electricity vendor shall remit amounts in respect of the clean energy adjustment to IESO for the benefit of the investment interest owners in accordance with the regulations.

PART IV
IMPLEMENTATION

FINANCIAL SERVICES MANAGER

Appointment

13xx. Ontario Power Generation Inc. is appointed as the Financial Services Manager for the purposes of this Act.

Duties and powers

14xx. (1) The Financial Services Manager shall perform the duties assigned to it under this Act and may administer the investment asset on behalf of the investment interest owners.

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Same

(2) The administration of the investment asset may include providing information to IESO in respect of obligations under Part III and such other activities as may be prescribed.

Fees, etc.

(3) Subject to any prescribed limitations, the Financial Services Manager may establish and charge fees in relation to such matters as may be prescribed in accordance with the regulations.

Same, Board approval

(4) Before establishing fees under subsection (3), the Financial Services Manager shall submit them to the Board for approval in accordance with the regulations.

FAIR ALLOCATION AMOUNT

Minister to calculate fair allocation amount

15xx. (1) Subject to subsections (2) and (3), before the first funding obligation is incurred, the Minister shall calculate a fair allocation amount in respect of each reference period, applying such method as the Minister considers appropriate and in accordance with the following steps:

1. Determine the estimated clean energy costs and estimated clean energy benefits allocated to specified consumers in respect of the reference period.

2. Determine the estimated reduction in the amounts payable by specified consumers as a result of rates determined under Part II in respect of all previous reference periods, including the estimated reduction in clean energy costs described in clause (a) of the definition of "clean energy costs" in subsection 1 (1) that would otherwise have been payable by specified consumers in the absence of this Act.

3. Determine the amount, if any, by which the determination under paragraph 1 exceeds the determination under paragraph 2.

4. Calculate the sum of the amount determined under paragraph 3 and such other amounts as may be prescribed.

Principles

(2) In calculating the fair allocation amount, the Minister shall have regard to the following principles:

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1. The purpose of calculating the fair allocation amount is to measure and allocate the estimated clean energy costs and estimated clean energy benefits fairly among the specified consumers in respect of each reference period.

2. Calculations should be made having regard to the need to align each fair allocation amount with the estimated finance amount payable during the reference period.

3. Estimated clean energy costs allocated to specified consumers in respect of a reference period should be allocated in proportion to the estimated clean energy benefits attributed to the specified consumers in respect of the reference period.

4. Such other principles as may be prescribed.

Assumptions

(3) In calculating the fair allocation amount, the Minister shall make such assumptions as the Minister considers to be reasonable regarding the following:

1. The time value of money or the rate of inflation, for the purpose of equating nominal amounts over time.

2. The expected number of specified consumers in respect of each reference period.

3. The expected electricity consumption rates in respect of each reference period.

4. Such other assumptions as may be prescribed.

Minister to provide amount to Financial Services Manager

(4) The Minister shall provide the fair allocation amount in respect of each reference period to the Financial Services Manager.

Recalculation

(5) A calculation of the fair allocation amount under this Part may be changed by such person as may be prescribed in accordance with such requirements as may be prescribed.

Same

(6) No change under subsection (5) shall affect any clean energy adjustment that has already been determined under section 10xx or any funding obligations that have already been incurred before the change.

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Information

(7) The Minister, IESO, the Financial Services Manager, the Board and electricity vendors shall provide such information as may be prescribed in accordance with the regulations for the purposes of facilitating a change to a calculation of the fair allocation amount.

FINANCING PLAN

Financial Services Manager to prepare Financing Plan

16xx. (1) The Financial Services Manager shall prepare a written plan entitled the Financing Plan to be used by the Financial Services Manager to evaluate whether potential funding obligations should be incurred for the purposes of acquiring and financing an investment asset in accordance with this Act or for the purposes of a refinancing.

Plan to be provided to Minister

(1.1) The Financial Services Manager shall provide the Financing Plan to the Minister.

Principles

(2) In preparing the Financing Plan, the Financial Services Manager shall have regard to the following principles:

1. Funding obligations should be incurred such that, along with any funding obligations already incurred, the estimated finance amount that would, subject to any refinancing, become due and payable during a reference period will reasonably align with the fair allocation amount determined in respect of the reference period, in each case after reducing the fair allocation amount to reflect determinations of the Board under Part II in respect of the reference period.

2. Incurrences should be implemented in a manner that, in the opinion of the Financial Services Manager, is reasonable, cost effective and that reflects prevailing market terms and conditions.

3. Reasonable assumptions should be made regarding such matters as may be prescribed.

Limitation

(4) In respect of each reference period from May 1, 2017 to April 30, 2021, no funding obligation shall be incurred that would result in amounts payable in respect of the clean energy adjustment in respect of the reference period unless,

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(a) the amounts are payable in respect of a reference period in respect of which the Board has not made any determinations under Part II; or

(b) if the Board has made a determination under Part II in respect of the reference period, the funding obligations incurred would not result in amounts payable in respect of the clean energy adjustment during the reference period in an amount that exceeds the limit determined in accordance with the regulations.

Other reports

(3.1) The Financial Services Manager shall submit to the Minister such reports and information as the Minister may require from time to time and shall, if required by the Minister to do so, examine, report and advise on any question relating to the Financing Plan.

Amendments to plan

(6) The Financial Services Manager may amend the Financing Plan at any time.

Same

(7) In the event that the Financing Plan is amended, any reference in this section to the Financing Plan is deemed to be a reference to the plan as amended.

Implementation of Financing Plan

17xx. (1) The Financial Services Manager shall ensure that funding obligations incurred for the purposes of this Act are incurred in a manner that is consistent with the applicable Financing Plan.

Financing entities

(3) In accordance with the Financing Plan, the Financial Services Manager may establish or cause to be established one or more financing entities that may incur funding obligations.

Prohibition

(3.1) The Financial Services Manager shall not provide for funding obligations to be incurred with any recourse to any assets of an electricity vendor, the Board, Ontario Power Generation Inc., the Province or the Lieutenant Governor in Council, except to the extent that any of these persons or entities may be liable to perform obligations or duties arising under this Act or under the express terms of a funding obligation or other agreement.

Effect of amendment to fair allocation amount

(4) Each funding obligation incurred and each transfer made by a financing entity is deemed to be consistent with the Financing Plan and to provide for the reasonable alignment of the estimated finance amount with the fair allocation amount.

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Same

(2) For greater certainty, subsection (4) applies despite the failure of the Financial Services Manager to comply with subsection (1).

PART V
THE REGULATORY ASSET

IESO deferral

20xx. (1) The IESO deferral for each month, commencing May 1, 2017, shall be determined by IESO in accordance with the regulations.

Same, retrospective amounts

(1.1) For greater certainty, the regulations may provide for the IESO deferral to include an amount that was incurred by IESO on or after May 1, 2017 and before the day this Act comes into force.

Electricity vendors to provide information

(2) Electricity vendors shall provide to IESO such information as IESO may reasonably request for the purposes of determining the IESO deferral under subsection (1) and such further information as may be prescribed.

Same

(3) IESO may rely on information provided by electricity vendors for the purposes of the determination under subsection (1).

Variance account to be established, maintained

20.1xx (1) IESO shall establish and maintain a variance account for the purposes of this section.

Recording in variance account

(2) IESO shall record the following in the variance account:

1. The IESO deferral for each month.

2. All payments received by IESO resulting from the exercise of the right of recovery under section 21xx and any transfer under section 22xx.

3. Such other adjustments as may be prescribed, including adjustments in respect of the period that commences on or after May 1, 2017 and before the day this section comes into force.

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Recording determinative

(3) Subject to the correction of any obvious error by IESO, its recording of the balance in the variance account is determinative of the balance as of the time of the recording.

Rights of investment interest owner

(4) No change made by IESO to the balance in the variance account shall, if the previous balance was relied upon by an investment interest owner in the context of a transfer under section 22x, affect the rights acquired by the investment interest owner under the transfer.

Regulatory asset established

21xx. (1) Effective May 1, 2017, IESO has the right, exercisable in accordance with this Act and the regulations, to recover the balance recorded in the variance account from specified consumers.

Board to set rates

(2) Subject to subsection (3), the Board shall, from time to time, determine and set rates payable by specified consumers to allow for IESO to recover the balance recorded in the variance account.

Limitation

(3) IESO shall not be entitled to collect all or part of the balance recorded in the variance account from specified consumers before May 1, 2021.

Same, limitations

(4) The Board's powers under subsection (3) shall be exercised in accordance with the regulations.

Transfer of regulatory asset

22xx. (1) IESO may from time to time, in accordance with this Act and the regulations, transfer a specified portion of the regulatory asset to a financing entity in accordance with this section.

Agreement

(2) An agreement between IESO and a financing entity in relation to the transfer of a specified portion of the regulatory asset shall provide for consideration of a payment by the financing entity to IESO in an amount equal to the amount of the specified portion.

Effect of payment

(3) Upon receipt by IESO of the payment by the financing entity,

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(a) the balance in the variance account shall be reduced by the amount of the payment;

(b) the regulatory asset shall be adjusted accordingly;

(c) the financing entity shall acquire a corresponding investment interest; and

(d) IESO shall retain no further right, title or interest in the corresponding investment interest.

Validity of transfer

23xx. (1) A transfer of a specified portion of the regulatory asset under section 22xx constitutes a valid and enforceable absolute assignment, conveyance and sale of the corresponding investment interest to the transferee.

Same

(2) Without limiting subsection (1), any transfer agreement that states an intention of the parties for IESO to dispose of a specified portion of the regulatory asset and to assign, convey or sell a corresponding investment interest shall be treated for all purposes as an absolute assignment, conveyance, disposition and sale of IESO's right to recover the corresponding amount in the variance account and not merely as a security interest.

Deemed perfection, etc.

(3) At the time a transfer of the regulatory asset is made under section 22xx, the transfer shall be deemed to have been and shall be perfected, vested, valid and binding as against the transferor and all other persons who have claims of any kind against the transferor.

Priority of transfer

(4) Subsection (3) applies regardless of whether the persons who have claims have received notice of the transfer and the property rights and interests acquired by the transferee shall have priority over any liens in favour of those persons.

PART VI
THE INVESTMENT ASSET

Effect of transfer

24xx. (1) The transfer of a specified portion of the regulatory asset under section 22x creates an investment asset or, if it is not the first transfer, adds to the investment asset.

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Same

(1.1) Upon transfer of a specified portion of the regulatory asset under section 22xx to a financing entity, the investment asset resulting from the transfer is immediately vested in the financing entity, free and clear of any adverse claim.

Investment asset established

25xx. (1) The investment asset constitutes a current and irrevocable property right and interest consisting, collectively, of the following rights and interests of investment interest owners:

1. The right and interest to impose, invoice, collect, receive and recover the clean energy adjustment from specified consumers, including the right to determine the clean energy adjustment in accordance with this Act.

2. The right to receive, collect and recover the clean energy adjustment that are imposed, invoiced and recoverable under this Act, including any amounts in respect of the clean energy adjustment that are held by electricity vendors, IESO and other prescribed parties.

3. All rights and entitlements under such accounts as may be prescribed by regulation and all amounts on deposit in such accounts.

4. The right to enforce the duties and obligations under this Act of each electricity vendor to impose, attribute, charge and invoice for the clean energy adjustment.

5. The right to enforce the duties and obligations under this Act of each electricity vendor and IESO to collect, receive and remit amounts received by it in respect of the clean energy adjustment, including all collections and the proceeds of any enforcement action undertaken by any electricity vendor to recover payment of the clean energy adjustment.

6. All rights of any kind related to any of the other property rights or interests that comprise the investment interest, including any rights to receive funding rebates.

7. All revenue, collections, claims, payments, money and proceeds of or derived from the rights described in paragraphs 1 to 6, regardless of whether it is invoiced, collected and maintained together with or commingled with other revenue, collections, claims, payments, money and proceeds.

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Not affected by failure to impose etc. clean energy adjustment

(1.1) An investment interest is not affected by any failure to impose, attribute, invoice, accrue or collect amounts in respect of the clean energy adjustment.

No set off, etc.

(2) The investment asset shall not be set off,

(a) by a consumer, an electricity vendor, IESO, an agent of the investment interest owners or an owner in the Province of a distribution system within the meaning of the *Electricity Act, 1998*;

(b) in connection with any default of a person mentioned in clause (a); or

(c) by any affiliate or successor of a person mentioned in clause (a).

Exercise of rights

(3) The rights of the investment interest owners to collect and enforce their rights and interests in, to and in respect of the investment asset against a specified consumer shall be exercised in accordance with Part III of this Act.

Collective action required

(4) If one investment interest owner owns a right or interest in the investment asset that comprises less than the entire property right and interest constituted by the investment asset, the right or interest shall only be enforced by the investment interest owner collectively and in coordination with all other investment interest owners, and any agreement among that collective in furtherance of the collective action shall be valid and binding on the investment interest owners as a collective in accordance with its terms.

Transfer of investment interest

26xx. An investment interest owner may transfer all or a portion of an investment interest to any other investment interest owner, including by way of a transfer of a divided or an undivided interest, in accordance with the Financing Plan.

Validity of transfer

27xx. (1) A transfer of an investment interest under this Act is a valid and enforceable sale and absolute transfer of the investment interest and confers upon the transferee a valid property right and interest in, to and under the applicable investment interest acquired in accordance with the terms of the transfer.

Same

(2) Without limiting subsection (1), a transfer that by its terms is intended to constitute a sale or absolute transfer shall be treated for all purposes as an absolute transfer of an investment interest owner's right, title and interest in, to and under an

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investment interest, and not merely as a security interest, and upon such absolute transfer the transferor shall retain no right, title or interest in the investment interest, subject to the transfer, including all rights to the investment interest arising after the transfer.

Deemed perfection, etc.

(3) At the time a transfer of an investment interest is made, the transfer shall be deemed to have been and shall be perfected as described in the *Personal Property Security Act*, vested, valid and binding as against the transferor and all other persons who have claims of any kind against the transferor.

Priority of transfer, assignment, etc.

(4) Subsection (3) applies regardless of whether the persons who have claims have received notice of the transfer, and the property rights and interests acquired by the investment interest owner shall have priority over any liens in favour of such other persons.

Investment interest owner may grant security interest

28xx. (1) An investment interest owner may grant a security interest over all or a specified portion of its right, title and interest in, to and under the investment interest to or in favour of any person to secure a funding obligation.

Validity

(2) A security interest granted under this Act shall be valid and enforceable in accordance with its terms.

Perfection and priority of security interests

(3) All provisions of the *Personal Property Security Act* shall apply to the investment asset and each investment interest on the basis that the investment asset and each investment interest is intangible personal property, except as otherwise provided for in this section, and any granting of a security interest by an investment interest owner to secure a funding obligation shall, subject to the terms of the funding obligation, give rise to a security interest in respect of which that Act applies and may be perfected by filing a financing statement under that Act on that basis.

Proceeds

(4) All proceeds of an investment interest that are subject to the security interest and that are received by the applicable investment interest owner shall immediately be subject to the security interest and shall be perfected without any physical delivery of the proceeds, registration of any financing statement or any further act.

Perfection

(5) The security interest shall be a continuously perfected security interest and shall have priority over any other lien, created by operation of law or otherwise, that may

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subsequently attach to the property rights and interests in the investment interest subject to the security interest, subject to the written consent of the person to whom the security interest has been granted.

Same

(6) The person to whom the security interest has been granted shall have a perfected security interest in revenues or other proceeds that are deposited in any account of any electricity vendor, an agent of an electricity vendor or other person who may have commingled such revenues or other proceeds with other funds.

Notice required

(7) The secured party shall be entitled to exercise the rights of an investment interest owner only after the secured party has given notice of the enforcement of its security interest to IESO.

Definition

(8) For the purposes of this section, a security interest is perfected when it is perfected as described in the *Personal Property Security Act*.

PART VII
MISCELLANEOUS

Appointment of agent, invoicing or collection

29xx. If a prescribed circumstance applies, the Lieutenant Governor in Council may by regulation appoint a person to carry out some or all of the obligations of an electricity vendor under this Act in the place of an electricity vendor with respect to invoicing or collection.

Not Crown agent

30xx. For greater certainty, a person appointed under section 29xx is not an agent of the Crown for any purpose, despite the *Crown Agency Act*.

Board's authority

30.1xx (1) Each electricity vendor, IESO and the Financial Services Manager shall maintain such accounts and provide such information to the Board as the Board may require for the purposes of carrying out its responsibilities under this Act, in the form and manner and within the time required by the Board.

No hearing required

(2) Despite anything to the contrary in the *Ontario Energy Board Act, 1998*, the Board may exercise any of its responsibilities under this Act without a hearing.

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Sequestration

31xx. (1) A court in the Province may, upon application by an investment interest owner or a secured party, order the sequestration and payment of amounts in respect of the clean energy adjustment, collections and remittances, as applicable, for the benefit of the investment interest owner or secured party by any person or entity authorized to collect amounts in respect of the clean energy adjustment, including defaults on any required remittance of amounts in respect of the clean energy adjustment, collections or remittances.

Same

(2) An order under subsection (1) does not limit any other remedies available to the applicant.

Choice of law

32xx. The law governing, as applicable, the validity, enforceability, attachment, perfection, priority and exercise of remedies with respect to a transfer under this Act or the creation of a security interest in the regulatory asset, the investment asset, the clean energy adjustment or the undertaking of the Crown under section 5XX shall be the laws of the Province.

Conflict

33xx. The provisions of this Act and the regulations apply despite any provision of any other Act regarding the attachment, assignment or perfection, or the effect of perfection or priority of any transfer or security interest.

No further approvals, etc.

34xx. Despite any requirement under any Act, no approvals, notices or authorizations other than those specified in this Act are required to be taken under the Financing Plan or in relation to the determination of the fair allocation amount.

Liability

35xx. (1) No action or other civil proceeding shall be commenced against any employee of the Province or Ontario Power Generation Inc. for any act done in good faith in the exercise or performance or the intended exercise or performance of a power or duty under this Act, the regulations under this Act or for any alleged neglect or default in the exercise or performance in good faith of such a power or duty.

Same

(2) Nothing in subsection (1) shall be read as limiting the effect of subsection 19 (1) of the *Electricity Act, 1998* or subsection 11 (1) of the *Ontario Energy Board Act, 1998*.

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Same

(3) Despite subsections 5 (2) and (4) of the *Proceedings Against the Crown Act*, subsection (1) does not relieve the Crown of liability in respect of a tort committed by a person mentioned in subsection (1) to which it would otherwise be subject.

References in marketing materials and offering documents

36xx. No person shall include, in marketing materials or offering documents relating to the financing of funding obligations, references to any rights, obligations, guarantees or undertakings arising under section 5xx unless the prescribed requirements, if any, are satisfied.

Regulations

38xx. (1) The Lieutenant Governor in Council may make regulations in respect of the following matters:

1. [5]Governing anything that is required or permitted to be prescribed or that is required or permitted to be done by, or in accordance with, the regulations or as authorized, specified or provided in the regulations.

2. Defining, for the purposes of a regulation, words and expressions used in this Act that are not defined in the Act.

3. Prescribing types of payment obligations that constitute funding obligations.

4. Governing the determination of classes of specified consumers, which may include determination based on the manner in which rates are determined for different classes of specified consumers.

5. Governing the determination of the finance amount and the true-up amount and how those amounts are to be applied to the clean energy adjustment.

6. Governing the inclusion of information under this Act on or with invoices, which may include requiring notice to be provided by electricity vendors to specified consumers and other prescribed persons regarding the adjustments, including providing for different requirements in different circumstances and for different classes of specified consumers.

7. Governing the inclusion of information about the clean energy adjustment and any other matters provided for under this Act on or with invoices issued to specified consumers, including the form that the information must take and the

[5] FLS - see s. 78 (1) of the Climate Change Mitigation and Low-carbon Economy Act, 2016 - paras. 1 and 2.

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form of the invoices and the form of any notice to be provided to the specified consumer under this Act[6];

8. Governing the manner by which invoices or notices provided for under this Act are to be provided to specified consumers and other prescribed persons.

9. Governing the Financial Services Manager's power to establish and charge fees, including the ability to recover costs and expenditures and to earn a return.

9.1 Providing for a right of compensation for investment interest owners affected by a breach of section 25xx and the manner in which such a right may be enforced under this Act.

10. Prescribing the time within which any action required by this Act may be required to be done.

11. Providing for such other matters as the Lieutenant Governor in Council considers advisable to carry out the purpose of this Act.

Limitation

(2) Despite subsection (1) or any other Act, no regulation under this Act shall have the effect of reducing, impairing, postponing or terminating the obligations of specified consumers to pay amounts in respect of the clean energy adjustment or impairing or postponing the invoicing, collection, remittance or recovery of the clean energy adjustment.

PART VIII[7]
AMENDMENTS TO OTHER ACTS

ELECTRICITY ACT, 1998

200x. (1) Subsection 6 (1) of the *Electricity Act, 1998* would be amended by adding the following clauses:

(q.0.1) to exercise the powers and rights and to perform the duties and obligations assigned to it under the *Ontario Fair Hydro Plan Act, 2017* and to engage in activities to facilitate the implementation of the *Ontario Fair Hydro Plan Act, 2017*, including,

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[6] FLS - see *OEBA s.79.17 and 88(1)(z.11) and (z.12)*

[7] FLS: These amendments are drawn from previous drafting contained in gov2016.146.e05 (which was drafted as amendments to the EA, 1998).

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(i) entering into agreements or arrangements with any person for the purposes of the *Ontario Fair Hydro Plan Act, 2017*;

(ii) engaging in activities related to making payments to and receiving payments as contemplated under the *Ontario Fair Hydro Plan Act, 2017* and to engage in related settlement activities;

(iii) engaging in activities related to the transfer and administration of the regulatory asset created under the *Ontario Fair Hydro Plan Act, 2017*, which activities may include,

(A) incurring liabilities in relation to the regulatory asset,

(B) transferring the regulatory asset under section 22x for consideration, and

(C) acting as a recovery agent under the *Ontario Fair Hydro Plan Act, 2017*;

200.1xx (1) Subsection 25.33 (1) of the Act would be amended by striking out "and" at the end of clause (a), by adding "and" at the end of clause (b) and by adding the following clause:

(c) such amounts as may be prescribed that are paid or incurred by IESO in relation to the *Ontario Fair Hydro Plan Act, 2017*;

(1.1) Subsection 25.33 (2) of the Act would be amended by striking out "and" at the end of clause (a), by adding "and" at the end of clause (b) and by adding the following clause:

(c) such amounts as may be prescribed that are paid or incurred by IESO in relation to the *Ontario Fair Hydro Plan Act, 2017*;

(2) Subsection 25.33 (3) of the Act would be amended by adding the following paragraph:

4. A consumer who is a specified consumer within the meaning of the *Ontario Fair Hydro Plan Act, 2017* or such other consumer as may be prescribed.

(3) Clause 25.33 (4) (b) of the Act would be amended by adding "or as may be required by a regulation made under this Act or the *Ontario Fair Hydro Plan Act, 2017*" at the end.

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(4) Subsection 25.33 (5) of the Act would be amended by adding "or under the *Ontario Fair Hydro Plan Act, 2017*" at the end

201x. Section 53.1 of the Act would be amended by adding the following subsections:

Same, *Ontario Fair Hydro Plan Act, 2017*

53.1 (1.1) In addition to the objects mentioned in subsection (1), the objects of Ontario Power Generation Inc. include exercising the powers and rights and performing the duties and obligations assigned to it under the *Ontario Fair Hydro Plan Act, 2017* and engaging in activities to facilitate the implementation of that Act, including entering into contracts and undertakings on behalf of financing entities and performing other services on behalf of financing entities, subject to the right to be paid by the financing entities for those services.

Subsidiaries, etc.

(1.2) Ontario Power Generation Inc. may create or invest in one or more subsidiaries, trusts, partnerships or special purpose entities in order to more efficiently conduct its activities or achieve its objects.

Deemed assets, non-subsidiary

(1.3) Despite any other provision of this Act, the *Business Corporations Act* or any other Act, if a financing entity is not a subsidiary of Ontario Power Generation Inc.,

(a) the assets and liabilities of the financing entity shall not form part of the assets and liabilities of Ontario Power Generation Inc. or any of its subsidiaries; and

(b) the assets and liabilities of Ontario Power Generation Inc. or any of its subsidiaries shall not form part of the assets and liabilities of the financing entity.

Deemed assets, subsidiary

(1.4) Despite any other provision of this Act, the *Business Corporations Act* or any other Act, if a financing entity is a subsidiary of Ontario Power Generation Inc.,

(a) the assets and liabilities of that financing entity shall not form part of the assets and liabilities of Ontario Power Generation Inc. or any of its other subsidiaries; and,

(b) the assets and liabilities of Ontario Power Generation Inc. or any of its other subsidiaries shall not form part of the assets and liabilities of that financing entity.

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Definition, financing entity

(1.5) For the purposes of this section, "financing entity" has the same meaning as in the *Fair Hydro Plan Act, 2017.*

AMENDMENTS TO ONTARIO ENERGY BOARD ACT, 1998

205x. Subsection 70 (2.1) of the Act would be amended by adding the following paragraph:

4. The licensee is required to comply with the *Ontario Fair Hydro Plan Act, 2017.*

205.1x Section 70 of the Act would be amended by adding the following subsection:

(2.3) Every licence issued to a unit sub-meter provider is deemed to contain the condition that the unit sub-meter provider is required to comply with the *Ontario Fair Hydro Plan Act; 2017* and the regulations made under it.

206x. Section 78.1 of the Act would be amended by adding the following subsection:

Same, limitation re Ontario Power Generation Inc.

(3) The determination of a payment to Ontario Power Generation Inc. under this section shall not include any consideration of amounts related to activities of Ontario Power Generation Inc. carried out in relation to the *Ontario Fair Hydro Plan Act, 2017.*

Same

(3.1) The amounts referred to in subsection (3) include, without limitation, the following:

1. Amounts related to the appointment of Ontario Power Generation Inc. as the Financial Services Manager under the *Ontario Fair Hydro Plan Act, 2017.*

2. Amounts related to the charging of fees for performing duties as the Financial Services Manager.

3. Amounts related to exercising the powers and performing the duties of the Financial Services Manager.

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4. Amounts related to the consolidation of the assets and liabilities for accounting purposes of any special purpose financing entities established under and for the purposes of that Act.

207xx. Subsection 79.16 (3) of the Act would be repealed.

PART IX
COMMENCEMENT AND SHORT TITLE

Short Title - this proposal for legislation would, if approved by the Legislature, have a short title to be determined by Government.

Timing – this proposal for legislation would, if approved by the Legislature, come into force on a date to be established by Government.

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FINAL DRAFT

KPMG Letter to the Independent Electricity System Operator

An Accounting Opinion on the Application of PSAS to the Consolidation of a Trust and to the Recognition and Derecognition of a Variance Account in Relation to the Proposed *Ontario Fair Hydro Plan Act, 2017*

This letter has been prepared in draft form and will be updated upon receipt of the adopted legislation (including the amendments of the Electricity Act and the OEB Act) and finalized financial structure (including the bylaws and regulations of the OPG Trust) and other relevant agreements necessary for us to provide our final opinion, of which legislation and other relevant agreements are expected to be enacted/ finalized on or before September 30, 2017.

NOTICE OF NON RELIANCE

This Notice is regarding the accompanying Letter to provide an accounting opinion on the application of Public Sector Accounting Standards to the consolidation of a trust and to the recognition and derecognition of a variance account in relation to the proposed *Ontario Fair Hydro Plan Act, 2017* (the "**Letter**") prepared by KPMG LLP for the Independent Electricity System Operator ("Client").

The following terms apply to any review of the Letter and should you not agree to these terms, please do not review the Letter and delete copy of the same.

The Letter was prepared in connection with certain services we provided to the Client and should not be used for any other purpose or regarded as suitable for use by any person or persons other than the Client

No one other than the Client is authorized by KPMG to rely upon any information or views expressed in the Letter. KPMG shall have no responsibility or liability for loss or damages or claims, if any, to or by any third party as the Letter has not been prepared for, and is not intended for, and should not be used by, any third party or for any other purpose.

KPMG in no way accepts any duty of care to you or any other person or accepts any agreement or other arrangement of a contractually binding nature between our firm and such parties.

KPMG neither warrants nor represents that the Letter is accurate, complete, sufficient or appropriate for any purpose contemplated by you or any other person or body. You shall have no right to disclose the Letter to any other party, unless disclosure is required by law or to fulfill a professional obligation required under applicable professional standards.

Yours very truly,

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The Special Committee of the Board of Directors
Ontario Power Generation Inc. (the "Company")
700 University Avenue
Toronto, ON M5G 1X6

May 5 2017

Dear Sirs/Madames:

This letter is being issued to the Special Committee to assist them in their evaluation of management's analysis of the application of International Financial Reporting Standards ("IFRS") as adopted by the International Accounting Standards Board ("IASB")) to the specific transaction described in the Company's memorandum entitled *OPG Accounting Considerations of Ontario Fair Hydro* dated May 2 2017, herein referred to as "the Management Memorandum". We are issuing this letter in our role as auditors of the Company for the year ending December 31, 2017. As the Province consolidates OPG on an IFRS basis, this letter pertains solely to management's IFRS analysis as contained in the Management Memorandum.

We have read the Management Memorandum and we agree with management's analysis therein, subject to all of the assumptions and limitations identified therein. Specifically, we concur that the existing in draft legislation, along with the yet undrafted Regulation and special purpose vehicle (TRUST) documents, and various other agreements assuming they include the required criteria that Management has identified as outstanding in its Appendix A, would be sufficient to support consolidation of the TRUST with OPG Inc.

Additionally, we specifically refer you to the section entitled "Conclusion" in the Management Memorandum, which indicates that their analysis is based on draft legislation as well as their assumptions regarding the terms and conditions of certain contractual arrangements and other documentary evidence that is not yet drafted. Therefore, the Management Memorandum will be required to be updated to reflect the final contents of the legislation and other relevant contractual arrangements and documentary evidence. We will review the updated Management Memorandum once it is available, and update you on our viewpoints once our review of such updated Management Memorandum is completed.

The scope of this letter and any views expressed herein are limited to the transactions, facts, circumstances and assumptions provided to us by management or the Company as described in the Management Memorandum. If such facts, circumstances or assumptions differ, our conclusions may change.

We have not performed an audit or a review of the Management Memorandum. Additionally, we have not performed an audit as of any date or for any period subsequent to December 31, 2016.

May 2, 2017

ONTARIO POWER GENERATION

OPG ACCOUNTING CONSIDERATIONS OF ONTARIO FAIR HYDRO PLAN

Purpose:

The purpose of this document is to summarize the preliminary views of Ontario Power Generation (OPG) on the ability for OPG to consolidate the Financing Entity Trust associated with the Ontario Fair Hydro Plan.

This memo is assessed against the Legislation proposal 'Ontario Fair Hydro Plan Act, 2017, if enacted V6' sent by Carolyn Calwell on May 1, 2017. Note that this assessment is preliminary pending the finalization of the Legislation, the Trust indentures, Regulations, financing structure and other detailed terms, and all related documentary evidence. This assessment will be updated once final documentation is available.

Background:

On March 2, 2017, the Province of Ontario (the Province) announced Ontario's Fair Hydro Plan (the Plan) aimed at reducing electricity bills by 25 percent on average for all residential consumers in the province. As part of the Plan, the Province has proposed financing a portion of the Global Adjustment costs over a longer time period for Regulated Price Plan eligible customers (e.g., residential, farm, small businesses).

On April 13th, the Province requested that OPG consider administering the financing associated with the Plan, because of OPG's participation in the market, regulatory knowledge and the potential ability to consolidate the related financing activities. To undertake this financing, OPG will establish a Financing Entity Trust (the Trust) to finance and administer the Global Adjustment costs through a mixture of external financing and an equity injection from the Ontario Financing Authority. It is expected that OPG will control the Trust for accounting purposes and that its financial position and results will be consolidated within OPG's consolidated financial statements.

Assumptions made to perform accounting analysis which are not yet addressed in Legislation – it is expected that these matters will be addressed in Regulations, Trust documents, and various other agreements:

- The Regulation must require interest, carrying and administrative costs to be paid to the Trust in cash on a monthly basis, so that the Trust is able to recognize appropriate revenue to offset any ongoing costs.
- The Regulations, Trust documents and various agreements will provide that OPG will have significant variability and exposure from the activities of the Trust relative to the rate of return that OPG would recognize from its role as the Financial Services Manager of the Trust. The performance fee will be meaningful and allow OPG to make decisions that will significantly impact its returns.
- The Minister of Energy will have the ability to replace the Financial Services Manger (OPG) if there is a failure to perform. There will be a bifurcation of roles where the Province could not remove OPG as manager/administrator with respect to the existing debt placed by the Trust, but could remove OPG's responsibility/right to prepare the Financing Plan going forward. The ability for the Minister of Energy to remove OPG as the Financial Services Manager should not impact the recoverability of existing intangible assets.

- The calculation of the Fair Allocation Amount will be performed by the Minister of Energy.
- OPG has the ability to appoint and remove the Trustee (or Board of Trustees) and there are no veto rights by the Province. No party has the ability to remove OPG from its role and authority in the Trust.
- Neither the OEB nor any other party can discretionally reduce the management fee or performance fee except due to a calculation error.
- The margin on the interest rates associated with Tranche B and Tranche C which will be recovered from the ratepayers will be reflective of the risk profile of the debt and the associated market terms.
- The indemnification provided to the Trust by the Minister of Finance on behalf of the Province as described in *Part I – General - Section 5.3 Guarantee, indemnification Protection and assurances* will be subject to terms and conditions in a separate Provincial support agreement. The guarantee is expected to be in place only in the event of a Payment Guarantee Event, such as if the Legislative Assembly of Ontario repeals the Fair Hydro Act or amends the Act in a way that adversely impacts the ability of the Trust to fully recover an intangible asset in order to pay the obligations of the Trust.
- The approval by the Ontario Energy Board of the Financial Services Manager (i.e. OPG's) fees as described in *Part IV – Implementation - Section 14.4 Same, Board Approval* will not allow them to change or limit the management fee structure, but only ensure that it is prudent by ensuring it is calculated in accordance with the Regulations.
- In the event that a different Financial Services Manager is appointed by the Minister of Energy, the IESO is required to continue to make cash payments for interest to the Trust for the existing debt. Principal repayments on existing debt will continue to be repaid by ratepayers to the Trust in accordance with the terms of the issued debt.
- All other items as indicated in *Appendix A.*

Accounting Analysis:

In order to meet the accounting definition of 'control', accounting guidance must be considered. There are no bright lines to determine whether OPG has exposure, or rights, to variable returns from its involvement with the Trust, or whether it has the ability to affect the returns of the Trust through its power over the Trust. Rather, all facts and circumstances are considered when assessing whether an entity has control over another entity.

In order to consolidate the Trust, OPG must be able to demonstrate that it controls the Trust.

Control

An investor controls an investee if and only if the investor has all the following:

a) *power over the investee;*
b) *exposure, or rights, to variable returns from its involvement with the investee; and*
c) *the ability to use its power over the investee to affect the amount of the investor's returns.* [IFRS 10, paragraph 7]

Purpose and design of the investee *When assessing control of an investee, an investor shall consider the purpose and design of the investee in order to identify the relevant activities, how decisions about the relevant activities are made, who has the current ability to direct those activities and who receives returns from those activities.* [IFRS 10, paragraph B5]	
Criteria	**Analysis**
Purpose and design of the Trust	The purpose of the Trust is to allow OPG to earn a return on the Intangible Asset from the IESO by effectively managing financing to earn a spread, earn management fees, and earn interest fees.

Purpose and design of the investee *When assessing control of an investee, an investor shall consider the purpose and design of the investee in order to identify the relevant activities, how decisions about the relevant activities are made, who has the current ability to direct those activities and who receives returns from those activities.* [IFRS 10, paragraph B5]	
Relevant activities of the Trust and how decisions are made about those activities	Relevant activities: The relevant activities of the Trust are: • To evaluate and make decisions on financing alternatives, duration, and the strategy to minimize financing costs. • To effectively manage funding obtained through the capital markets and be able to make or lose any spread from financing • To provide funding to the IESO in return for an interest in a future cash flow stream • To obtain funding through the capital markets and other vehicles available to OPG to be able to provide the IESO funding. • To make capital and funding decisions required to meet the Fair Allocation Plan objectives as set out in Legislation • To finance the requirements associated with the short-fall amount • To raise debt, pay bond debt holders, and determine capacity for the Trust to raise additional financing Financing Plan (Legislation: Part IV – Implementation) • OPG's plan for managing the assets of the Trust will be dictated through a 'Financing Plan'. • The Financial Services Manager (i.e. the Trust) shall provide the Financing Plan to the Minister. The Financing Plan is expected to follow Principles as stipulated in the Legislation which indicate that the assumptions must be reasonable and that the Trust has the power to determine what is reasonable and cost-effective. The Trust makes all the decisions in determining the relevant activities as listed above. • OPG can amend the Financing Plan at any time without the approval of the Minister. Fair Allocation Amount (Legislation: Part IV – Implementation) • The 'Fair Allocation Amount' ("FAA") is the amount of the deferral for the reference period and includes finance amounts. The current Legislation dictates that the Minister of Energy is to calculate the FAA. • This does not impact OPG's relevant activities in the Trust as OPG's variable returns are based on financing decisions which are not dictated by the FAA. OPG can choose to accept or reject the purchase of the intangible asset which is based on the Fair Allocation Amount.

Purpose and design of the investee *When assessing control of an investee, an investor shall consider the purpose and design of the investee in order to identify the relevant activities, how decisions about the relevant activities are made, who has the current ability to direct those activities and who receives returns from those activities.* [IFRS 10, paragraph B5]	
	Decisions made and voting rights of the Trust: OPG has the ability to appoint and remove the Trustee (and if applicable Board of Trustees) and there are no veto rights by the Province. No party has the ability to remove OPG from its role and authority in the Trust. **[NOT YET ADDRESSED IN CURRENT LEGISLATION]** *Voting of members:* Except as otherwise stated, all decisions of the members (if applicable) shall be made by the Trustee who will be appointed by OPG. Termination Rights OPG cannot be removed from its role in the Trust. The Province has the right to remove OPG as the 'Financial Services Manager' for failure to perform. This will not impact debt that has already been issued for which OPG is already managing through the Trust or the recoverability of existing intangible assets. It the right is exercised, it serves to reduce or eliminate the scope of new business activities of the Trust but it does not affect OPG's ability to control the Trust. Should a new Financial Services Manager be appointed, a separate assessment would be made as to which party if any would control it.
Assessment	The purpose of the Trust is to allow OPG to earn a return on the Intangible Asset from the IESO by effectively managing financing to earn a spread, earn management fees, and earn interest fees. For the reasons noted above, OPG has control over the decisions to be made about the relevant activities.

Power over the investee	
Criteria	**Analysis**
Identify whether OPG's rights give it the current ability to direct the relevant activities of the Trust (Substantive rights)	See above for relevant activities of the Trust.
Assessment	OPG has the ability to direct the relevant activities of the Trust. OPG can amend the Financing Plan at any time, without approval from the Minister. Further, if the Minister of Energy chooses not to continue with OPG's current Financing Plan, OPG can withdraw its Financing Plan, without impacting the existing debt and related intangible assets that is already in the Trust. The Province would just appoint a new party to participate in future securitizations and OPG would continue to manage the debt that already exists in the Trust. If future financing transactions are with a different SPV, a separate consolidation analysis would be prepared at that time as to which party if any would consolidate the SPV.

Exposure or rights to variable returns	
Criteria	**Analysis**
Dividends, other distributions of economic benefits from an investee and changes in the value of the investor's investment in that investee [IFRS 10, paragraph B57(a)]	OPG is expected to realize management fees from its activities with the Trust.
Remuneration for servicing an investee's assets or liabilities, fees and exposure to loss from providing credit or liquidity support, residual interests in the investee's assets and liabilities on liquidation of that investee, tax benefits, and access to future liquidity that an investor has from its involvement with an investee [IFRS 10, paragraph B57(b)]	**[NOT YET ADDRESSED IN CURRENT LEGISLATION]** OPG has exposure and rights to variable returns from the Trust in the form of the following: • The Regulations, Trust documents and various agreements will provide that OPG will have significant variability and exposure from the activities of the Trust relative to the rate of return that OPG would recognize from its role as the Financial Services Manager of the Trust. The performance fee will be meaningful and allow OPG to make decisions that will significantly impact its returns. • OPG, through ownership of the most subordinated debt, is exposed to risk of non-collection. Given that the program is expected to run until 2047, this 30 year time period results in uncertainty about the future collection of OPG's amount at risk. OPG and the OFA (5% out of 44% contribution) would be the last parties to get paid in the event that the program stops running due to a change in Government, if electricity demand is not high enough to allow for collection from ratepayers in a timely manner, etc. The end date of 2047 that is prescribed in the Legislation results in uncertainty toward whether this program will continue and whether OPG will have collected its amount at risk at that time. • In the event that there is a market disruption whereby OPG is not able to obtain debt from the financial markets (e.g. due to a recession), the Province will provide funding in the event that OPG wishes to continue purchasing intangible assets from the IESO. This is considered to be a protective right as it does not impact the relevant activities of the Trust, but is designed to protect both parties and does not give either party more or less power over the Trust. It is designed to allow OPG to keep purchasing intangible assets if it wishes to. • Protective rights are typically held to prohibit fundamental changes in the activities of an investee that the holder does not agree with and usually apply only in exceptional circumstances (i.e., upon a contingent event). This is true for this right as it is only applicable if there is a market disruption and the Trust is not able to obtain financing from external markets. Further, the fundamental activities of the Trust would change if it were not able to obtain financing from external markets.
Returns that are not available to	• OPG will have synergistic benefits from combining operating

Exposure or rights to variable returns	
other interest holders. For example, an investor might use its assets in combination with the assets of the investee, such as combining operating functions to achieve economies of scale, cost savings, sourcing scarce products, gaining access to proprietary knowledge or limiting some operations or assets, to enhance the value of the investor's other assets [IFRS 10, paragraph B57 (c)]	functions with the Trust given its extensive knowledge on the market and current regulatory knowledge.
Assessment	To determine which party is the most 'at risk' in the event that the loans default, expected loss rates were obtained from Moody's and DBRS. Using the *Moody's Investors Service – Loss Given Default for Speculative Grade Companies* dated December 4, 2015, the 4-year Idealized Expected Loss ranges from 0.00% for a triple A rated bond to 0.30% for an A3 rated bond. DBRS Expected Loss Ratings give an indication of the expected loss of a loan portfolio. As per a November 2016 publication, the 10-year expected loss rates range from 0.1% for a AAA rated bond to 1.7% for an A (low) rated bond. Given that OPG's subordinated debt is equal to 5% of the total debt, which is higher than the default rates above, 100% of the risk is with both OPG and the OFA since they are the last parties to get paid should there be any default with the debt. OPG is also exposed to variable returns from the Trust from its performance on decisions made on financing alternatives, duration, and the strategy to minimize financing costs through the variable fee component of the management fee. Therefore, OPG has the exposure to variable returns from the Trust.

Ability to use power to affect returns	
Criteria	**Analysis**
Ability of investor to use its power to affect the investor's returns from its involvement with the investee	OPG needs to have both power over the Trust (i.e. as a Principal, not an agent), exposure or rights to the variable returns from the Trust, and the ability to use its power to affect OPG's returns from its involvement with the Trust OPG has the ability to use its power over the relevant activities of the Trust to affect its returns from its involvement with the Trust through the variable fee component.

Ability to use power to affect returns	
	Further, the Trust's ability to use its power to affect returns is in a manner that is consistent with being a principal. See *Appendix B* for Principal-Agent analysis.
Assessment	OPG has the ability to use its power to affect returns of the Trust.

Conclusion:

Based on the current **[May 1, 2017]** draft of the legislation, the conditions to ensure the ability of OPG to consolidate the operations of the Trust have not fully been reflected. As noted in Appendix A, several conditions must be evident in the Regulations, Trust documents, and various other agreements which are not yet drafted and therefore not yet available for our review and assessment. In OPG's assessment, while no current clause of the Legislation would hamper the ability to effect a consolidation within OPG Inc.'s financial statements, there are several key conditions for consolidation that are currently not present within the Legislation. On the assumption that future Regulations, Trust documents and various other agreements fully capture these operating conditions, and that no new conditions that would conflict with OPG's control of the trust are introduced, OPG believes that consolidation of the Trust is supportable.

APPENDIX A:

Terms necessary for OPG to consolidate the Global Adjustment Trust

Note that these are assessed against the Legislation proposal 'Ontario Fair Hydro Plan Act, 2017, if enacted V6' sent by Carolyn Calwell on May 1, 2017. These are subject to change as subsequent drafts of the Legislation are issued.

Legend:

✓ - Addressed by the Legislation drafted May 1, 2017

RT – Not addressed by Legislation and must be addressed in Regulations, Trust Documentation or various other agreements

Ω - Will not be addressed in Legislation/Regulations or Trust but is the intended plan

Issue	No.	Requirements
Directive	1 ✓	The Trust must be undertaken by OPG as a business initiative on its merits. A Shareholder Directive is to be limited to direct OPG to investigate the option of establishing a Trust vehicle to administer, finance and operate the Global Adjustment plan and the operation of that Trust and the control, risk and rewards of that Trust will determine its consolidation into OPG as a business enterprise. ***MET - The Province will not direct OPG to participate in the Fair Hydro Plan. A letter was issued from the Minister of Energy to OPG on April 13th requesting OPG's involvement in the implementation of the Fair Hydro Plan. OPG's Board Chair responded to the Minister on April 18th committing OPG to work with the IESO and OEB to develop a plan. OPG will have the option to prepare, implement and amend a financing plan (in accordance with principles set out in legislation) and propose the adoption of such plan as the 'Financing Plan'. OPG will have the right to withdraw its financing plan at any time.***
Trust	2 RT	The Trust should not operate in a predetermined way such that OPG does not have decision-making authority over the Trust's ongoing activities after its formation (i.e. should not operate on 'autopilot'). ***OPG will be the sole unit holder of the Trust. All decisions over the relevant activities of the Trust (as described above) will be made by OPG.***
	3 RT	OPG must have the ability to appoint and remove the Trustee (or Board of Trustees), with no veto right by the Province. No party shall have the ability to remove OPG from its role and authority in the Trust. ***OPG will be the sole unit holder of the Trust. The Province will be involved in the Board of Trustees, but OPG is expected to have the majority vote.***

<table>
<tr><th>Issue</th><th>No.</th><th>Requirements</th></tr>
<tr><td></td><td></td><td></td></tr>
<tr><td></td><td>4
RT</td><td>The Province cannot have the right to veto OPG's decisions about the relevant activities of the Trust. OPG must have the power over the relevant activities of the Trust and be compensated. The relevant activities of the Trust include (but are not limited to) the evaluation and decisions on financing alternatives, duration, and the strategy to minimize financing costs. OPG must have the power to establish operating and capital budgets of the Trust.

OPG will have the ability to make decisions about the financing alternatives, duration, and the strategy to minimize financing costs. OPG will have the power to establish operating and capital budgets of the Trust with no veto right by the Province.</td></tr>
<tr><td></td><td>5
RT</td><td>OPG must have the power to determine or change operating and financing policies of the Trust, which will affect the variability of risks and returns.

The Regulations, Trust documents and various agreements will provide that OPG will have significant variability and exposure from the activities of the Trust relative to the rate of return that OPG would recognize from its role as the Financial Services Manager of the Trust. The performance fee will be meaningful and allow OPG to make decisions that will significantly impact its returns.</td></tr>
<tr><td></td><td>6
Ω</td><td>The Province or its agencies must not directly or indirectly fund (through debt or equity) more than 50% of the following:
a. The Trust
b. The most subordinated debt of the Trust

See below for financing structure.

<table>
<tr><th></th><th>Risk Profile</th><th>Source</th><th>% of Total Funding Requirement</th></tr>
<tr><td>Tranche A Senior Debt</td><td>the least risky</td><td>Capital Markets</td><td>51%</td></tr>
<tr><td>Tranche B Sub Debt</td><td>In between A&C</td><td>OPG via OEFC</td><td>39%</td></tr>
<tr><td>Tranche C</td><td>the most risky</td><td>OPG via OEFC</td><td>5%</td></tr>
<tr><td>Sub Debt</td><td></td><td>OPG via Capital Markets</td><td>5%</td></tr>
</table>
</td></tr>
<tr><td></td><td>7
Ω</td><td>OPG must own at least 50% of the most subordinated debt and must be no less than 5% of the debt of the Trust. Such ownership must be financed entirely by OPG through operating cash flows or external debt, without assistance from Provincial sources.

See chart in Point 6 above.</td></tr>
</table>

Issue	No.	Requirements
	8 RT	OPG must have the ability to earn variable returns by exercising its authority, which shall be accomplished as follows: a. The cash flow from the restructured asset shall include interest determined based on a relevant benchmark that is appropriate relative to the restructured asset, plus an appropriate margin consistent with the relevant market and other risks ***The cash flow from the restructured asset will include interest income that is equal to the interest expense (i.e. interest expense is passed back to the ratepayers). The Trust will also receive a margin as discussed in the 'Exposure or rights to variable returns' section above.***
	✓	b. OPG shall have the authority to determine the financing strategy, which will vary the financing costs with the objective of enabling the Trust to achieve a more favourable return compared to the benchmark for interest on the restructured asset ***OPG will determine the financing strategy through the proposal of its 'Financing Plan'. The 'Financing Plan' will only be required to follow general Parameters and Principles as set forth in the Legislation but funding decisions will be made entirely by OPG. The Trust will also receive a margin as discussed in the 'Exposure or rights to variable returns' section above.***
	Ω	c. The Trust shall establish classes of liabilities (senior, subordinated and the most subordinated). The classes would allow the Trust to delineate financing of lower risk investment and investment that would bear higher residual risk. The delineation would limit OPG's self-funded investment to a reasonable level in order to allow OPG to remain a self-sustaining entity. ***OPG's portion of the most subordinated debt will be limited to a reasonable level. If it is determined that OPG's portion is not at a reasonable level, OPG has the option to withdraw its Financing Plan.***
	RT	c. OPG shall, through its ownership of the most subordinated liability, be able to capture and retain the pricing difference between cost of financing and benchmark for interest on the restructured asset, or any residual risk of restructured asset. The targeted return of the subordinated liability should be reflective of the underlying risks and compensate holders for active management that would be required.

Issue	No.	Requirements
		OPG will be able to capture the pricing difference between cost of financing and benchmark for interest through the performance fee which is described in point 5) above and the 'Exposure or rights to variable returns' section above.
	Ω	d. OPG should participate in the detailed design of the above and the Trust documentation to ensure that it has substantive power and variability, which will allow OPG's Board of Directors to evaluate the opportunity as a business initiative instead of through a shareholder directive. ***OPG will be involved in the Trust documentation.***
	RT	Defined Forced Majeure for emergency events (e.g. unlikely credit market event or disruption where it is not possible to borrow from the market at a reasonable rate), OFA may provide bridge financing beyond the designated percentage for a defined period. ***This will be structured through a separate indemnification agreement. This is not expected to impact consolidation of the Trust because this is seen as a protective right which is only in affect when a contingency arises and not as a result of the relevant activities of the Trust.***
Legislation	9 ✓	The Legislation must require interest, carrying and administrative costs to be paid to the Trust on a monthly basis, so that the Trust is able to recognize appropriate revenue to offset any ongoing costs. ***Under Part III – Clean Energy Adjustment – Section 8.3 Terms, of the Legislation, the expectation is that the Legislation will allow for interest payments to be paid to the Trust on a monthly basis in cash. The Trust will not accrue interest to the current intangible asset balances but this interest amount could form part of future intangible assets that are purchased from the IESO.***
	10 RT	The Legislation must dictate the manner in which the restructured asset would be determined, collected, and the period of collection, so that the determination of the restructured asset will not be subject to the Province's decisions on an ongoing basis, but determined based on a formula. Alternatively, the Legislation may allow for an adjustment to the pre-determined deferral formula based on specific parameters that would limit the adjustment to the restructured asset. Adjustments beyond the specific parameters would require approval by the Board of Trustee. **The Regulations are expected to dictate the 'Fair Allocation Plan' which will be based on high level Principles and Parameters of the Plan, including the attribution methodology. The Legislation or Regulation determines the following principles:** • **25% Reduction (June 1, 2017) where the average bill will**

Issue	No.	Requirements
		reduce by 25% including of HST and social programs noted above • **Inflation Period (November 2017 – April 2022) where bill increases are capped at inflation** • **Straight-line Increase Period (May 2022 – April 2027) where bills increased at a straight-line rate (i.e., 8% per year) which is set so that borrowing will not exceed the Trust's capacity.** • **Amortization Period (May 2027 – April 2047) where debt built up over the previous periods is repaid by ratepayers.** **OPG will determine the manner in which the intangible asset, once purchased from the IESO will be collected and the period of collection.** **The recoverability of the existing intangible assets cannot be impacted by the Province.** **Although the Province may determine the Principles and Parameters around the 'Fair Allocation Plan', it does not impact the activities of the Trust once OPG has purchased the intangible asset.**
	11 **RT**	The Legislation must be written to avoid legal or constitutional challenges and be irrevocable to reduce the cost of borrowing and with a specific formula which determines the deferral amount. **See above.**
	12 **RT**	The spirit of the above terms should be reflected in the Trust Indenture Agreement as well as Legislation, wherever possible. ***Trust Indenture and Regulations still outstanding.***

APPENDIX B:

Link between power and returns: principal-agency situations

The third criterion for having control is that the investor must have the ability to use its power over the investee to affect the amount of the investor's returns. When decision-making rights have been delegated or are being held for the benefit of others, it is necessary to assess whether the decision-maker is a principal or an agent to determine whether it has control. This is because if the decision-maker has been delegated rights that give it power, the decision-maker must assess whether those rights give it power for its own benefit, or merely power for the benefit of others. As an agent cannot have control over the investee, it does not consolidate the investee. A principal may have control over the investee, and if so, would consolidate the investee.

A decision maker shall consider the overall relationship between itself, the investee being managed and other parties involved with the investee, in particular all the factors below, in determining whether it is an agent:

a) the scope of its decision-making authority over the investee

As discussed above, OPG has decision-making authority over the Trust and its relevant activities. The Province has no right to determine what sort of funding decisions OPG should make to fund the intangible assets that they will purchase and OPG can choose not to purchase future intangible asset purchases.
Terms and Conditions to support this point: 1, 2, 3, 4, 5

b) the rights held by other parties (paragraphs B64–B67).

There are no substantive removal rights held by the Province for debt that already exists in the Trust.

Terms and Conditions to support this point: 3, 4, 5

c) the remuneration to which it is entitled in accordance with the remuneration agreement(s) (paragraphs B68–B70).

See section on 'Exposure or rights to variable returns' above.

Terms and Conditions to support this point: 6, 7, 8, 9

d) the decision maker's exposure to variability of returns from other interests that it holds in the investee (paragraphs B71 and B72).

See section on 'Exposure or rights to variable returns' above.

OPG will receive a 44% equity injection from the Province of Ontario, indirectly through the Ontario Financing Authority. Given that currently, the majority (currently 51%) of the Trust debt will be from External Markets and not the Province, it can be argued that OPG did not receive the majority of its interest in the investee as a contribution or loan from the Province. This shows that OPG is a principal, not a de-facto agent.

Terms and Conditions to support this point: 6, 7, 8, 9

Conclusion: OPG is not an agent for the Province as the arrangement does not provide for the Province to directly absorb any variability associated with the structure. If the Province decides to intervene at a later date due to evolving market conditions, an assessment would be made at that future date.

Analysis on whether OPG is an agent for ratepayers

OPG is not an agent for the ratepayers because OPG has substantive exposure to risk of loss of its own funds. The ratepayers do not have any of their own funds in any of the subordinated tranches and further, no decision making authority is delegated to the ratepayers relating to the relevant activities of the Trust.

Analysis on whether OPG is an agent for the IESO

OPG is not an agent of the IESO because the IESO faces no continuing risk of loss after sale of the intangible asset to OPG.

Fair Hydro Act, 2017

EXPLANATORY NOTE

The Bill enacts a new Act and makes amendments to the *Electricity Act, 1998* and the *Ontario Energy Board Act, 1998*.

SCHEDULE 1
ONTARIO FAIR HYDRO PLAN ACT, 2017

The Schedule enacts the *Ontario Fair Hydro Plan Act, 2017*. The Act establishes a framework under which the costs and benefits associated with the "clean energy initiative" are to be allocated among present and future consumers of electricity. The "clean energy initiative" is defined in Part I as consisting of the policies of the Government of Ontario related to such matters as eliminating coal generation and fostering the growth of and investment in clean, modern and reliable energy sources and technologies.

Under Part II, the Ontario Energy Board is required to determine reduced electricity rates and to determine other adjustments to be made for certain classes of consumers in respect of specified periods of time. For example, for the class of consumers referred to as "regulated rate consumers", the electricity rates payable for the period beginning on July 1, 2017 and ending on April 30, 2018 are the rates, as determined by the Board, that would achieve a 25 per cent reduction in certain costs for a hypothetical member of the class who meets prescribed criteria. Details regarding the determinations are prescribed by regulations.

Part III requires certain electricity consumers to pay an amount in respect of the "clean energy adjustment". The clean energy adjustment is determined by the Financial Services Manager in accordance with rules set out in the Act and the regulations. (Section 18 of the Act appoints Ontario Power Generation Inc. as the Financial Services Manager.) Part III also specifies the roles and responsibilities of electricity vendors and the Independent Electricity System Operator ("IESO") with respect to the collection and remittance of amounts in respect of the clean energy adjustment.

Part IV requires the Minister of Energy to calculate a "fair allocation amount" by taking specified steps in accordance with principles and assumptions set out in the Act. For example, the Act provides that the purpose of calculating the fair allocation amount is to measure and allocate the estimated clean energy costs and estimated clean energy benefits fairly among certain consumers. Part IV also requires the Financial Services Manager to prepare a written

plan entitled the "Financing Plan", which is to be used to evaluate whether potential funding obligations should be incurred. Principles and limitations regarding the preparation and implementation of the plan are provided.

Part V requires the IESO to determine the "IESO deferral" in accordance with the regulations and to establish and maintain a variance account in which it records the IESO deferral each month. A "regulatory asset" is created under section 25; the IESO has the right to recover the balance recorded in the variance account from certain consumers. The IESO is authorized to transfer a specified portion of the regulatory asset to a financing entity; this transfer results in the creation of the investment asset and the acquisition by the transferee of a corresponding "investment interest". Various rules respecting the validity and priority of such a transfer are set out.

In Part VI, rules in respect of the "investment asset" are provided. Section 29 provides that the investment asset constitutes a current and irrevocable property right and interest, consisting collectively of various specified rights and interests of investment interest owners. Rules respecting the validity and priority of such a transfer and the granting of a security interest by an investment interest owner are included.

Part VII deals with various miscellaneous matters, including regulation-making authority of the Lieutenant Governor in Council.

The *Electricity Act, 1998* and the *Ontario Energy Board Act, 1998* are amended to address various matters relating to the enactment of the new Act. For example, the objects of the IESO and Ontario Power Generation Inc. are expanded to address powers and duties under the new Act.

SCHEDULE 2
AMENDMENTS TO THE ONTARIO ENERGY BOARD ACT, 1998

The *Ontario Energy Board Act, 1998* is amended. Among the amendments:

1. Section 79 of the Act is amended so that compensation for the rate protection provided to certain classes of rural or remote consumers may be funded out of money appropriated by the Legislature, rather than by consumers.

2. Section 79.2 of the Act, which governs the Ontario Electricity Support Program, is repealed and replaced. The program is continued, but will be funded out of money appropriated by the Legislature after the variance account maintained by the Independent Electricity System Operator, formerly established under the Plan, is exhausted, rather than by consumers. There are provisions relating to the sharing, use and disclosure of information relating to the administration of the Ontario Electricity Support Program.

3. Programs are established to aid certain distribution rate-protected residential consumers and on-reserve consumers.

4. Various amendments of a technical and administrative nature are made to support the implementation and oversight of these programs including provisions related to auditing, record-keeping, inspections and inquiries, offences and penalties.

Bill **2017**

An Act to enact the Ontario Fair Hydro Act, 2017 and to make amendments to the Electricity Act, 1998 and the Ontario Energy Board Act, 1998

Her Majesty, by and with the advice and consent of the Legislative Assembly of the Province of Ontario, enacts as follows:

Contents of this Act

1. This Act consists of this section, sections 2 and 3 and the Schedules to this Act.

Commencement

2. (1) Subject to subsections (2) and (3), this Act comes into force on the day it receives Royal Assent.

Schedules

(2) The Schedules to this Act come into force as provided in each Schedule.

Different dates for same Schedule

(3) If a Schedule to this Act provides that any of its provisions are to come into force on a day to be named by proclamation of the Lieutenant Governor, a proclamation may apply to one or more of those provisions, and proclamations may be issued at different times with respect to any of those provisions.

Short title

3. The short title of this Act is the *Fair Hydro Act, 2017*.

SCHEDULE 1
ONTARIO FAIR HYDRO PLAN ACT, 2017

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Preamble

The Government of Ontario is committed to fostering the development of a clean, modern and reliable electricity system with a diverse supply mix. The Government is also committed to removing barriers to and promoting opportunities for renewable and clean energy projects. These commitments can only be achieved if costs are shared fairly among consumers, today and in the future.

Electricity rates have risen for two key reasons. First, decades of under-investment in the electricity system resulted in the need to invest more than $50 billion in generation, transmission and distribution assets to ensure the system is clean and reliable. Second, the decision to eliminate Ontario's use of coal and produce clean, renewable power has created additional costs.

The actions taken to achieve a clean, modern and reliable electricity system have resulted in significant costs to residential consumers. The burden of financing these system improvements and funding key programs has unfairly fallen almost entirely on the shoulders of those consumers.

The Government of Ontario is committed to ensuring that the costs of financing these investments and the associated charges to consumers are allocated fairly among present and future generations.

Recognizing that the electricity infrastructure that has been built and the policy decisions that have been made will create benefits for years to come, costs should be allocated fairly over time, so that residential consumers in the future pay their fair share for the benefits that they receive from the investments already made.

PART I
GENERAL

Interpretation

Definitions

1. (1) In this Act,

"Board" means the Ontario Energy Board; ("Commission")

"clean energy adjustment" means the amount determined under section 15 and payable by specified consumers; ("ajustement pour l'énergie propre")

"clean energy benefits" means the value of the benefits determined to be derived by or accruing to specified consumers as a result of the clean energy initiative, including as a result of clean energy costs; ("avantages de l'énergie propre")

"clean energy costs" means the value of the costs allocated to specified consumers as a result of the clean energy initiative, including as a result of past, present and expected costs incurred in respect of,

(a) the amounts to be paid or reflected by the IESO in adjustments made under section 25.33 of the *Electricity Act, 1998* or any provision that is the successor to that provision, which relate to contracts or amounts for,

(i) renewable energy generation or capacity,

(ii) conservation and demand management,

(iii) energy storage,

(iv) energy efficiency,

(v) natural gas generation and capacity, excluding contracts relating to amounts payable by the IESO under section 78.2 of the *Ontario Energy Board Act, 1998* and excluding such other contracts as may be prescribed,

(b) payments made or expected to be made under section 78.5 of the *Ontario Energy Board Act, 1998*, and

(c) such other costs or estimated costs as may be prescribed; ("coûts de l'énergie propre")

"clean energy initiative" means the policies of the Government of Ontario related to,

(a) eliminating coal generation and fostering the growth of and investment in clean, modern and reliable energy sources and technologies,

(b) removing barriers to and promoting opportunities for clean and renewable energy sources and technologies,

(c) promoting conservation, demand management and energy efficiency, and

(d) investing in energy infrastructure to ensure a clean, modern and reliable system; ("initiative pour l'énergie propre")

"electricity vendor" means,

(a) a licensed distributor,

(b) a licensed retailer,

(c) the IESO in circumstances where it directly invoices a specified consumer for electricity used in Ontario, or

(d) such other person as may be prescribed; ("vendeur d'électricité")

"fair allocation amount" means an amount calculated under section 20; ("French")

"finance amount" means the finance amount determined in accordance with the regulations; ("French")

"Financial Services Manager" means the Financial Services Manager appointed under section 18; ("gestionnaire des services financiers")

"financing entity" means an entity established or caused to be established by the Financial Services Manager as described in subsection 22 (2); ("entité de financement")

"Financing Plan" means the plan prepared under section 21; ("plan de financement")

"funding obligation" means a payment obligation incurred by or on behalf of an investment interest owner to fund its ownership of an investment interest or a payment obligation that meets such other criteria as may be prescribed; ("obligation financière")

"funding rebate" means a payment obligation incurred by the IESO as part of the transfer of the regulatory asset; ("French")

"IESO" means the Independent Electricity System Operator continued under Part II of the *Electricity Act, 1998*; ("SIERE")

"IESO deferral" means the amount determined under section 23; ("French")

"investment asset" means the rights and interests described in section 29; ("actif d'investissement")

"investment interest" means,

(a) an ownership interest in the investment asset, and

(b) in circumstances where the ownership interest is transferred, the rights and benefits specified in the agreement under which the interest is transferred; ("participation d'investissement")

"investment interest owner" means a financing entity that has acquired and holds an investment interest; ("propriétaire de l'actif d'investissement")

"licensed distributor" means a person licensed under Part V of the *Ontario Energy Board Act, 1998* to own or operate a distribution system within the meaning of that Act; ("distributeur titulaire d'un permis")

"licensed retailer" means a person who is licensed under Part V of the *Ontario Energy Board Act, 1998* to retail electricity; ("détaillant titulaire d'un permis")

"Minister" means the Minister of Energy or such other member of the Executive Council as may be assigned the administration of this Act under the *Executive Council Act*; ("ministre")

"Ontario Power Generation Inc." means the corporation incorporated as Ontario Power Generation Inc. under the *Business Corporations Act* on December 1, 1998; ("Ontario Power Generation Inc.")

"prescribed" means prescribed by the regulations; ("prescrit")

"reference period" means,

(a) the period beginning on July 1, 2017 and ending on October 31, 2017, and

(b) during the period beginning on November 1, 2017 and ending on either April 30, 2047 or such later day as may be prescribed,

(i) every six-month period following the period mentioned in clause (a); or

(ii) any period shorter than six months, as may be prescribed; ("période de référence")

"refinancing" means, subject to the regulations, the incurrence of debt in connection with a redemption, repayment or repurchase of a funding obligation; ("refinancement")

"regulation" means a regulation made under this Act; ("règlement")

"regulatory asset" means the right established under section 25; ("actif réglementaire")

"specified consumer" means,

(a) a person who has an account with an electricity vendor for the supply of electricity in Ontario and meets the criteria set out in subsection (2), or

(b) such other person as may be prescribed; ("consommateur déterminé")

"transfer" includes, when used in relation to an investment interest, the assignment, conveyance, disposition or sale of the investment interest; ("transfert")

"true up amount" means a true up amount determined in accordance with the regulations; ("French")

"unit sub-metering" has the same meaning as in the *Energy Consumer Protection Act, 2010;* ("activités liées aux compteurs divisionnaires d'unité")

"unit sub-meter provider" has the same meaning as in the *Energy Consumer Protection Act, 2010;* ("fournisseur de compteurs divisionnaires d'unité")

"variance account" means the variance account established by the IESO under subsection 24 (1). ("French")

Specified consumer

(2) For the purposes of clause (a) of the definition of "specified consumer" in subsection (1), the person must meet any one of the following criteria:

1. The person has a demand for electricity of not more than 50 kilowatts, or such other amount as may be prescribed.

2. The person annually uses not more than 250,000 kilowatt hours of electricity, or such other amount as may be prescribed.

3. The person carries on a business that is a farming business for the purposes of the *Farm Registration and Farm Organizations Funding Act, 1993* and either holds a valid registration number assigned under that Act or has had the

obligation to file a farming business registration form waived pursuant to an order made under subsection 22 (6) of that Act.

4. The person's account with the electricity vendor relates to,

   i. a dwelling,

   ii. a property within the meaning of the *Condominium Act, 1998*,

   iii. a residential complex within the meaning of subsection 2 (1) of the *Residential Tenancies Act, 2006*, without regard to section 5 of that Act, or

   iv. a property that includes one or more housing units and that is owned or leased by a co-operative within the meaning of the *Co-operative Corporations Act*.

5. The person satisfies such criteria as may be prescribed.

Transfer of regulatory asset

(3) In this Act, a reference to the transfer of a specified portion of the regulatory asset is a reference to the following, as provided for in subsection 26 (3):

1. A reduction in the balance in the variance account.

2. The adjustment of the regulatory asset.

3. The acquisition by a financing entity of the investment interest corresponding to the specified portion of the regulatory asset.

Effect of invalidity

2. (1) For greater certainty, all of the provisions of this Act remain in full force and effect, even if one or more provisions are held to be invalid, the intention of the Legislature being to give separate and independent effect to the extent of its powers to every provision contained in this Act.

Same, funding obligation

(2) The fact that any provision of this Act is held to be invalid or ceases to be in effect for any reason does not affect the validity or enforceability of a funding obligation incurred before the day that the provision is held to be invalid or ceases to be in effect, or any rights or obligations associated with the funding obligation.

Purposes

3. The purposes of this Act are,

(a) to ensure that clean energy costs and clean energy benefits are fairly allocated among present and future specified consumers;

(b) to recognize that clean energy benefits have accrued and will accrue over time and will continue to benefit present and future electricity consumers in the Province; and

(c) to align clean energy costs with clean energy benefits, in order to provide fairness for specified consumers over time.

Crown bound

4. This Act binds the Crown.

Protection and assurances

Prohibition

5. (1) No action or omission by the Board, the Minister or the Crown shall be effective to reduce, impair, postpone or terminate the obligations of specified consumers to pay amounts in respect of the clean energy adjustment or to impair or postpone the invoicing, collection or remittance of the clean energy adjustment.

Agreements

(2) The Minister and the Minister of Finance may together, with the approval of the Lieutenant Governor in Council, enter into agreements on behalf of the Province of Ontario with any person in respect of this Act, including agreements regarding the performance of the IESO or electricity vendors under this Act or related transactions.

Guarantee, indemnification

(3) The Lieutenant Governor in Council may by order,

(a) authorize the Minister and the Minister of Finance, acting together on behalf of the Province,

(i) to agree to guarantee or indemnify any debts, obligations, securities or undertakings associated with an investment interest, and

(ii) to determine terms and conditions of the guarantee or indemnity and the maximum liability for the guarantee or indemnity;

(b) specify terms and conditions that must be included in any guarantee or indemnity given by the Minister and the Minister of Finance; and

(c) specify a maximum liability for the guarantee or indemnity.

PART II
FAIR ADJUSTMENT

Definitions

6. In this Part,

"regulated rate consumer" means a specified consumer who meets the following criteria:

1. The consumer is a member of the class of consumers prescribed by the regulations made under the *Ontario Energy Board Act, 1998 for the purposes of subsection 79.16 (1) of that Act.*

2. The consumer would, if the consumer were not subject to this Act, be invoiced the rates determined by the Board under clause 79.16 (1) (b) of the *Ontario Energy Board Act, 1998*. ("French")

Regulated rate consumers, first adjustments

7. (1) Despite any order under subsection 78 (3.1) of the *Ontario Energy Board Act, 1998 and despite section 79.16 of that Act, t*he electricity rates payable by regulated rate consumers for the period beginning on July 1, 2017 and ending on April 30, 2018 are the rates, as determined by the Board, that would result in a hypothetical regulated rate consumer who meets the prescribed criteria being charged an invoice amount that is 25 per cent less than the invoice amount that would have been charged to that consumer under the comparison rates described in subsection (2).

Comparison rates

(2) The comparison rates are the rates that would have been effective May 1, 2017 if they had been determined by the Board *solely using the method prescribed by the regulations made under clause 79.16 (1) (b) of the Ontario Energy Board Act, 1998*, without taking into account any forecasted impact of any other provisions of this Act.

Invoice amounts

(3) The types of amounts to be included or excluded in each invoice amount mentioned in subsection (1) are the types of amounts specified in the regulations.

Other specified consumers, first adjustments

8. (1) For the period beginning on July 1, 2017 and ending on April 30, 2018, the adjustments made by the IESO under section 25.33 of the *Electricity Act, 1998 shall, with respect to specified consumers who are not regulated rate consumers, be further adjusted*

*by e*lectricity vendors in accordance with the determinations of the Board under subsection (2).

Board to make determinations

(2) The Board shall, in accordance with the regulations, determine the adjustments to be made by electricity vendors.

Same, regulations

(3) The regulations may specify different adjustments to be made in respect of prescribed classes of specified consumers who are not regulated rate consumers.

Determinations by Board

9. The Board shall make the determinations mentioned in sections 7 and 8 no later than 15 business days after the day this section receives Royal Assent and, regardless of whether the Board makes the determinations before or after July 1, 2017, the determinations shall be effective as of July 1, 2017.

Implementation by electricity vendors

10. (1) As soon as possible after the Board makes determinations under section 9, each electricity vendor shall, in respect of electricity used on or after July 1, 2017, ensure that its invoices reflect the determinations of the Board.

Same

(2) The electricity vendor shall ensure that, if any of its customers who are specified consumers have been invoiced in a manner that does not reflect the determinations of the Board under section 9, the specified consumer receives the difference between the amounts shown on the invoice and the amounts reflecting the Board's determinations, provided as a lump sum credit on the first invoice issued after the electricity vendor has adapted its invoices or by such other means as may be prescribed.

Subsequent adjustments

11. (1) Despite clause 79.16 (1) (b) of the *Ontario Energy Board Act, 1998 and* subject to subsection (2), the Lieutenant Governor in Council may prescribe the methodology to be applied by the Board after April 30, 2018 for the purpose of determining,

(a) electricity rates for regulated rate consumers; or

(b) adjustments to be applied by electricity vendors to the adjustments made by the IESO under section 25.33 of the *Electricity Act, 1998 in respect of prescribed classes of specified consumers who are not regulated rate consumers.*

Limitation

(2) Any prescribed methodology shall have regard to the following:

1. The purposes of this Act.

2. The clean energy costs borne by specified consumers over time.

3. Such other matters as may be prescribed.

Sub-metering

12. (1) This section applies if a specified consumer provides to another person electricity in respect of which a determination of the Board referred to in section 9 or 11 applies.

Same

(2) If an invoice for the electricity is issued to the person by the specified consumer or a unit sub-meter provider providing unit sub-metering for the specified consumer, the amount payable for the electricity by the person who is liable to pay the invoice shall be determined in accordance with the regulations.

PART III
CLEAN ENERGY ADJUSTMENT

Specified consumers to pay

13. (1) Upon receipt of an invoice from an electricity vendor that includes an amount in respect of the clean energy adjustment, a specified consumer shall pay the amount to the electricity vendor as agent of the investment interest owners.

Same

(2) For greater certainty, subsection (1) applies regardless of,

(a) whether the clean energy adjustment was determined in a manner that was inconsistent with this Act; and

(b) whether the amount payable in respect of the clean energy adjustment relates to funding obligations that were incurred in a manner that was inconsistent with the Financing Plan, including in a manner that failed to provide for the reasonable alignment of the estimated finance amount with the fair allocation amount.

Terms

(3) The payment shall be made in accordance with such terms of payment as may be specified in the invoice, which may include terms relating to late payment fees and interest charges.

Indebtedness of specified consumer

(4) An unpaid amount that is required to be paid by a specified consumer under this section constitutes indebtedness of the specified consumer to each investment interest owner to the extent of each owner's respective interest in the investment asset.

Same

(5) The indebtedness mentioned in subsection (4) is a single and separate debt obligation owed by the specified consumer and may be enforced independently from any other payment obligation or indebtedness owing by the specified consumer.

Unit sub-metering

(6) A specified consumer who provides electricity through unit sub-metering may collect amounts in respect of the clean energy adjustment payable under this section in accordance with the regulations.

Irrevocability of amount

14. (1) An amount in respect of the clean energy adjustment shown on an invoice issued to a specified consumer under this Act is determinative of the amount of the consumer's indebtedness resulting from the clean energy adjustment and is irrevocable upon invoicing the consumer and may not be set off or bypassed.

Exception

(2) Subsection (1) does not apply to the extent that the invoice reflects a clerical, typographical or calculation-related error.

Determination of clean energy adjustment
Financial Services Manager to determine

15. (1) The Financial Services Manager shall determine the clean energy adjustment payable by all specified consumers in respect of each month in a reference period by taking the following steps:

1. Calculate the sum of the following:

    i. The estimated finance amount in respect of the reference period.

    ii. The true up amount in respect of the reference period.

2. Divide the sum calculated under paragraph 1 by the number of months in the reference period.

Regulations re true up amount

(2) The Lieutenant Governor in Council shall, in making regulations with respect to the determination of the true up amount, have regard to the following principles:

1. The true up amount should serve to ensure that the collection of the clean energy adjustment is sufficient to pay the finance amount when it is due.

2. The method for determining the true up amount should take into account historical and reasonably foreseeable,

    i. differences between the estimated and actual finance amount for the applicable reference period,

    ii. differences between amounts invoiced and amounts collected due to various factors, including applicable taxes, consumer defaults and delays, billing lags and write-offs, and

    iii. variations in billings due to variations in electricity consumption.

Financial Services Manager to notify Board

(3) The Financial Services Manager shall, in accordance with the regulations, notify the Board of the clean energy adjustment in respect of a reference period and such other information related to the determination of the clean energy adjustment as may be prescribed.

Board to determine rates

(4) Without changing the clean energy adjustment, the Board shall, in accordance with the regulations, determine the rates at which specified consumers are invoiced to recover the clean energy adjustment in respect of the reference period.

IESO to receive amounts

16. (1) The IESO shall, as agent of the investment interest owners, receive amounts in respect of the clean energy adjustment paid to it from electricity vendors in accordance with the market rules made under section 32 of the *Electricity Act, 1998 or the regulations*.

Account

(2) All of the following amounts received by the IESO shall, until remitted to or for the benefit of the investment interest owners in accordance with subsection (4), be

deposited promptly into an account established for the purposes of receiving those amounts:

1. Amounts described in subsection (1).

2. Payments made by specified consumers directly to the IESO as electricity vendor under subsection 13 (1).

3. Proceeds of amounts described in paragraphs 1 and 2.

Same, held in trust

(3) All amounts received by the IESO in respect of the clean energy adjustment shall, until remitted to or for the benefit of the investment interest owners, be held in trust by the IESO for the investment interest owners.

IESO to remit

(4) The IESO shall remit amounts received by it in respect of the clean energy adjustment, inclusive of interest earned on the amounts referred to in subsection (1), to or for the benefit of the investment interest owners in accordance with the regulations.

Electricity vendor to invoice specified consumers

17. (1) Each electricity vendor shall issue an invoice to each of its customers who is a specified consumer for the amount payable by the consumer in respect of the clean energy adjustment, as determined by applying the rate set by the Board under subsection 15 (4) and in accordance with the regulations.

Electricity vendor to report

(2) Each electricity vendor shall, in accordance with the regulations, promptly report to the IESO the total amount invoiced to its customers who are specified consumers in respect of the clean energy adjustment, the amount collected and such other information as may be prescribed.

Electricity vendor to collect

(3) Each electricity vendor shall, as agent of the investment interest owners, collect amounts in respect of the clean energy adjustment from specified consumers in accordance with the regulations.

Pro rating of payments

(4) If an electricity vendor receives a payment made by or on behalf of a specified consumer in respect of amounts payable under one or more invoices and the amount paid is less than the total amount payable, the electricity vendor shall allocate the payment on a pro rata basis to the clean energy adjustment and other amounts payable under the relevant invoices in respect of electricity charges in respect of the same invoice period.

Held in trust

(5) Payments received by an electricity vendor from or on behalf of specified consumers in respect of the clean energy adjustment and all proceeds of the payments shall, until remitted to the IESO for the benefit of the investment interest owners in accordance with subsection (6), be held by each electricity vendor in trust for the benefit of the investment interest owners.

Remittance to IESO

(6) Each electricity vendor shall remit amounts in respect of the clean energy adjustment to the IESO for the benefit of the investment interest owners in accordance with the regulations.

PART IV
IMPLEMENTATION

FINANCIAL SERVICES MANAGER

Appointment

18. Ontario Power Generation Inc. is appointed as the Financial Services Manager for the purposes of this Act.

Duties and powers

19. (1) The Financial Services Manager shall perform the duties assigned to it under this Act and may administer the investment asset on behalf of the investment interest owners.

Same

(2) The administration of the investment asset may include providing information to the IESO in respect of obligations under Part III and such other activities as may be prescribed.

Fees

(3) Subject to any prescribed limitations, the Financial Services Manager may establish and charge fees in relation to such matters as may be prescribed in accordance with the regulations, which regulations may provide for the ability to recover costs and expenditures and to earn a return.

Same, Board approval

(4) Before establishing fees under subsection (3), the Financial Services Manager shall submit them to the Board for approval in accordance with the regulations.

FAIR ALLOCATION AMOUNT

Minister to calculate fair allocation amount

20. (1) Subject to subsections (2) and (3), before the first funding obligation is incurred the Minister shall calculate a fair allocation amount in respect of each reference period, applying such method as the Minister considers appropriate and in accordance with the following steps:

1. Determine the estimated clean energy costs and estimated clean energy benefits allocated to specified consumers in respect of the reference period.

2. Determine the estimated reduction in the amounts payable by specified consumers as a result of determinations of the Board under Part II in respect of all previous reference periods, including the estimated reduction in clean energy costs described in clause (a) of the definition of "clean energy costs" in subsection 1 (1) that would otherwise have been payable by specified consumers in the absence of this Act.

3. Determine the amount, if any, by which the determination under paragraph 1 exceeds the determination under paragraph 2.

4. Calculate the sum of the amount determined under paragraph 3 and such other amounts as may be prescribed.

Principles

(2) In calculating the fair allocation amount, the Minister shall have regard to the following principles:

1. The purpose of calculating the fair allocation amount is to measure and allocate the estimated clean energy costs and estimated clean energy benefits fairly among the specified consumers in respect of each reference period.

2. Calculations should be made having regard to the need to align each fair allocation amount with the estimated finance amount payable during the reference period.

3. Estimated clean energy costs allocated to specified consumers in respect of a reference period should be allocated in proportion to the estimated clean energy benefits attributed to the specified consumers in respect of the reference period.

4. Such other principles as may be prescribed.

Assumptions

(3) In calculating the fair allocation amount, the Minister shall make such assumptions as the Minister considers to be reasonable regarding the following:

1. The time value of money or the rate of inflation, for the purpose of equating nominal amounts over time.

2. The expected number of specified consumers in respect of each reference period.

3. The expected electricity consumption rates in respect of each reference period.

4. Such other assumptions as may be prescribed.

Minister to provide amount to Financial Services Manager

(4) The Minister shall provide the fair allocation amount in respect of each reference period to the Financial Services Manager.

Recalculation

(5) A calculation of the fair allocation amount under this Part may be changed by such person as may be prescribed in accordance with such requirements as may be prescribed.

Same

(6) No change under subsection (5) shall affect any clean energy adjustment that has already been determined under section 15 or any funding obligations that have already been incurred before the change.

Information

(7) The Minister, the IESO, the Financial Services Manager, the Board and electricity vendors shall provide such information as may be prescribed in accordance with the regulations for the purposes of facilitating a change to a calculation of the fair allocation amount.

FINANCING PLAN

Financial Services Manager to prepare Financing Plan

21. (1) The Financial Services Manager shall prepare a written plan entitled the Financing Plan to be used by the Financial Services Manager to evaluate whether potential funding obligations should be incurred for the purposes of acquiring and financing an investment asset in accordance with this Act or for the purposes of a refinancing.

Plan to be provided to Minister

(2) The Financial Services Manager shall provide the Financing Plan to the Minister.

Principles

(3) In preparing the Financing Plan, the Financial Services Manager shall have regard to the following principles:

1. Funding obligations should be incurred such that, along with any funding obligations already incurred, the estimated finance amount that would, subject to any refinancing, become due and payable during a reference period will reasonably align with the fair allocation amount determined in respect of the reference period, in each case after reducing the fair allocation amount to reflect determinations of the Board under Part II in respect of the reference period.

2. Incurrences should be implemented in a manner that, in the opinion of the Financial Services Manager, is reasonable, cost effective and that reflects prevailing market terms and conditions.

3. Reasonable assumptions should be made regarding such matters as may be prescribed.

4. Such other principles as may be prescribed.

Limitation

(4) In respect of each reference period from July 1, 2017 to April 30, 2021, no funding obligation shall be incurred that would result in amounts payable in respect of the clean energy adjustment in respect of the reference period unless,

(a) the amounts are payable in respect of a reference period in respect of which the Board has not made any determinations under Part II; or

(b) if the Board has made a determination under Part II in respect of the reference period, the funding obligations incurred would not result in amounts payable in respect of the clean energy adjustment during the reference period in an amount that exceeds the limit determined in accordance with the regulations.

Other reports

(5) The Financial Services Manager shall submit to the Minister such reports and information as the Minister may require from time to time and shall, if required by the Minister to do so, examine, report and advise on any question relating to the Financing Plan.

Amendments to plan

(6) The Financial Services Manager may amend the Financing Plan at any time.

Same

(7) In the event that the Financing Plan is amended, any reference in this Act to the Financing Plan is deemed to be a reference to the plan as amended.

Incurrence of funding obligations

22. (1) The Financial Services Manager shall ensure that funding obligations incurred for the purposes of this Act are incurred in a manner that is consistent with the applicable Financing Plan.

Financing entities

(2) In accordance with the Financing Plan, the Financial Services Manager may establish or cause to be established one or more financing entities that may incur funding obligations.

Prohibition

(3) The Financial Services Manager shall not provide for funding obligations to be incurred with any recourse to any assets of an electricity vendor, the Board, Ontario Power Generation Inc., the Province or the Lieutenant Governor in Council, except to the extent that any of these persons or entities may be liable to perform obligations or duties arising under this Act or under the express terms of a funding obligation or other agreement.

Effect of amendment to fair allocation amount

(4) Each funding obligation incurred and each transfer made by a financing entity is deemed to be consistent with the Financing Plan and to provide for the reasonable alignment of the estimated finance amount with the fair allocation amount.

Same

(5) For greater certainty, subsection (4) applies despite the failure of the Financial Services Manager to comply with subsection (1).

PART V
THE REGULATORY ASSET

IESO deferral

23. (1) The IESO deferral for each month, commencing May 1, 2017, shall be determined by the IESO in accordance with the regulations.

Same, retrospective amounts

(2) For greater certainty, the regulations may provide for the IESO deferral to include an amount that was incurred by the IESO on or after May 1, 2017 and before the day this section comes into force.

Electricity vendors to provide information

(3) Electricity vendors shall provide to the IESO such information as the IESO may reasonably request for the purposes of determining the IESO deferral under subsection (1) and such further information as may be prescribed.

Same

(4) The IESO may rely on information provided by electricity vendors for the purposes of the determination under subsection (1).

Variance account to be established, maintained

24. (1) The IESO shall establish and maintain a variance account in which it records the following:

1. The IESO deferral for each month.

2. All payments received by the IESO resulting from the exercise of the right of recovery under section 25 and any transfer under section 26.

3. Such other adjustments as may be prescribed, including adjustments in respect of the period that commences on or after May 1, 2017 and before the day this section comes into force.

Recording determinative

(2) Subject to the correction of any obvious error by the IESO, its recording of the balance in the variance account is determinative of the balance as of the time of the recording.

Rights of investment interest owner

(3) No change made by the IESO to the balance in the variance account shall, if the previous balance was relied upon by an investment interest owner in the context of a transfer under section 26, affect the rights acquired by the investment interest owner under the transfer.

Regulatory asset established

25. (1) Effective May 1, 2017, the IESO has the right, exercisable in accordance with this Act and the regulations, to recover the balance recorded in the variance account from specified consumers.

Board to set rates

(2) Subject to subsection (3), the Board shall, from time to time and in accordance with the regulations, determine and set rates payable by specified consumers to allow for the IESO to recover the balance recorded in the variance account.

Limitation

(3) The IESO shall not be entitled to collect all or part of the balance recorded in the variance account from specified consumers before May 1, 2021.

Transfer of regulatory asset

26. (1) The IESO may from time to time, in accordance with this Act and the regulations, transfer a specified portion of the regulatory asset to a financing entity in accordance with this section.

Agreement

(2) An agreement between the IESO and a financing entity in relation to the transfer of a specified portion of the regulatory asset shall provide for consideration of a payment by the financing entity to the IESO in an amount equal to the amount of the specified portion.

Effect of payment

(3) Upon receipt by the IESO of the payment by the financing entity,

(a) the balance in the variance account shall be reduced by the amount of the payment;

(b) the regulatory asset shall be adjusted accordingly;

(c) the financing entity shall acquire a corresponding investment interest; and

(d) the IESO shall retain no further right, title or interest in the corresponding investment interest.

Validity of transfer

27. (1) A transfer of a specified portion of the regulatory asset under section 26 constitutes a valid and enforceable absolute assignment, conveyance and sale of the corresponding investment interest to the transferee.

Same

(2) Without limiting subsection (1), any transfer agreement that states an intention of the parties for the IESO to dispose of a specified portion of the regulatory asset and to assign, convey or sell a corresponding investment interest shall be treated for all purposes as an absolute assignment, conveyance, disposition and sale of the IESO's right to

recover the corresponding amount in the variance account and not merely as a security interest.

Deemed perfection, etc.

(3) At the time a transfer of the regulatory asset is made under section 26, the transfer shall be deemed to have been and shall be perfected, vested, valid and binding as against the transferor and all other persons who have claims of any kind against the transferor.

Priority of transfer

(4) Subsection (3) applies regardless of whether the persons who have claims have received notice of the transfer and the property rights and interests acquired by the transferee shall have priority over any liens in favour of those persons.

PART VI
THE INVESTMENT ASSET

Investment asset established

28. (1) The transfer of a specified portion of the regulatory asset under section 26 creates an investment asset or, if it is not the first transfer, adds to the investment asset.

Same

(2) Upon transfer of a specified portion of the regulatory asset under section 26 to a financing entity, the investment asset resulting from the transfer is immediately vested in the financing entity, free and clear of any adverse claim.

Investment asset, irrevocable rights and interests

29. (1) The investment asset constitutes a current and irrevocable property right and interest consisting, collectively, of the following rights and interests of investment interest owners:

1. The right and interest to impose, invoice, collect, receive and recover the clean energy adjustment from specified consumers, including the right to determine the clean energy adjustment in accordance with this Act.

2. The right to receive, collect and recover the clean energy adjustment that is imposed, invoiced and recoverable under this Act, including any amounts in respect of the clean energy adjustment that are held by electricity vendors, the IESO and other prescribed parties.

3. All rights and entitlements under such accounts as may be prescribed by regulation and all amounts on deposit in such accounts.

4. The right to enforce the duties and obligations under this Act of each electricity vendor to impose, attribute, charge and invoice for the clean energy adjustment.

5. The right to enforce the duties and obligations under this Act of each electricity vendor and the IESO to collect, receive and remit amounts received by it in respect of the clean energy adjustment, including all collections and the proceeds of any enforcement action undertaken by any electricity vendor to recover payment of the clean energy adjustment.

6. All rights of any kind related to any of the other property rights or interests that comprise the investment interest, including any rights to receive funding rebates.

7. All revenue, collections, claims, payments, money and proceeds of or derived from the rights described in paragraphs 1 to 6, regardless of whether it is invoiced, collected and maintained together with or commingled with other revenue, collections, claims, payments, money and proceeds.

Not affected by failure to impose etc. clean energy adjustment

(2) An investment interest is not affected by any failure to impose, attribute, invoice, accrue or collect amounts in respect of the clean energy adjustment.

No set off, etc.

(3) The investment asset shall not be set off,

(a) by a consumer, an electricity vendor, the IESO, an agent of the investment interest owners or an owner in the Province of a distribution system within the meaning of the *Electricity Act, 1998*;

(b) in connection with any default of a person mentioned in clause (a); or

(c) by any affiliate or successor of a person mentioned in clause (a).

Exercise of rights

(4) The rights of the investment interest owners to collect and enforce their rights and interests in, to and in respect of the investment asset against a specified consumer shall be exercised in accordance with Part III of this Act.

Collective action required

(5) If one investment interest owner owns a right or interest in the investment asset that comprises less than the entire property right and interest constituted by the investment asset, the right or interest shall only be enforced by the investment interest

owner collectively and in coordination with all other investment interest owners, and any agreement among that collective in furtherance of the collective action shall be valid and binding on the investment interest owners as a collective in accordance with its terms.

Transfer of investment interest

30. An investment interest owner may transfer all or a portion of an investment interest to any other investment interest owner, including by way of a transfer of a divided or an undivided interest, in accordance with the Financing Plan.

Validity of transfer

31. (1) A transfer of an investment interest under this Act is a valid and enforceable sale and absolute transfer of the investment interest and confers upon the transferee a valid property right and interest in, to and under the applicable investment interest acquired in accordance with the terms of the transfer.

Same

(2) Without limiting subsection (1), a transfer that by its terms is intended to constitute a sale or absolute transfer shall be treated for all purposes as an absolute transfer of an investment interest owner's right, title and interest in, to and under an investment interest, and not merely as a security interest, and upon such absolute transfer the transferor shall retain no right, title or interest in the investment interest, subject to the transfer, including all rights to the investment interest arising after the transfer.

Deemed perfection, etc.

(3) At the time a transfer of an investment interest is made, the transfer shall be deemed to have been and shall be perfected as described in the *Personal Property Security Act*, vested, valid and binding as against the transferor and all other persons who have claims of any kind against the transferor.

Priority of transfer, assignment, etc.

(4) Subsection (3) applies regardless of whether the persons who have claims have received notice of the transfer, and the property rights and interests acquired by the investment interest owner shall have priority over any liens in favour of such other persons.

Investment interest owner may grant security interest

32. (1) An investment interest owner may grant a security interest over all or a specified portion of its right, title and interest in, to and under the investment interest to or in favour of any person to secure a funding obligation.

Validity

(2) A security interest granted under this Act shall be valid and enforceable in accordance with its terms.

Perfection and priority of security interests

(3) All provisions of the *Personal Property Security Act* shall apply to the investment asset and each investment interest on the basis that the investment asset and each investment interest is intangible personal property, except as otherwise provided for in this section, and any granting of a security interest by an investment interest owner to secure a funding obligation shall, subject to the terms of the funding obligation, give rise to a security interest in respect of which that Act applies and may be perfected by filing a financing statement under that Act on that basis.

Proceeds

(4) All proceeds of an investment interest that are subject to the security interest and that are received by the applicable investment interest owner shall immediately be subject to the security interest and shall be perfected without any physical delivery of the proceeds, registration of any financing statement or any further act.

Perfection

(5) The security interest shall be a continuously perfected security interest and shall have priority over any other lien, created by operation of law or otherwise, that may subsequently attach to the property rights and interests in the investment interest subject to the security interest, subject to the written consent of the person to whom the security interest has been granted.

Same

(6) The person to whom the security interest has been granted shall have a perfected security interest in revenues or other proceeds that are deposited in any account of any electricity vendor, an agent of an electricity vendor or other person who may have commingled such revenues or other proceeds with other funds.

Notice required

(7) The secured party shall be entitled to exercise the rights of an investment interest owner only after the secured party has given notice of the enforcement of its security interest to the IESO.

Definition

(8) For the purposes of this section, a security interest is perfected when it is perfected as described in the *Personal Property Security Act.*

PART VII
MISCELLANEOUS

Appointment of agent, invoicing or collection

33. (1) If a prescribed circumstance applies, the Lieutenant Governor in Council may by regulation appoint a person to carry out some or all of the obligations of an electricity vendor under this Act in the place of an electricity vendor with respect to invoicing or collection.

Same, not Crown agent

(2) For greater certainty, a person appointed under this section is not an agent of the Crown for any purpose, despite the *Crown Agency Act*.

Board's authority

34. (1) Each electricity vendor, the IESO and the Financial Services Manager shall maintain such accounts and provide such information to the Board as the Board may require for the purposes of carrying out its responsibilities under this Act, in the form and manner and within the time required by the Board.

No hearing required

(2) Despite anything to the contrary in the *Ontario Energy Board Act, 1998*, the Board may exercise any of its responsibilities under this Act without a hearing.

Sequestration

35. (1) A court in the Province may, upon application by an investment interest owner or a secured party, order the sequestration and payment of amounts in respect of the clean energy adjustment, collections and remittances, as applicable, for the benefit of the investment interest owner or secured party by any person or entity authorized to collect amounts in respect of the clean energy adjustment, including defaults on any required remittance of amounts in respect of the clean energy adjustment, collections or remittances.

Same

(2) An order under subsection (1) does not limit any other remedies available to the applicant.

Choice of law

36. The law governing, as applicable, the validity, enforceability, attachment, perfection, priority and exercise of remedies with respect to a transfer under this Act or the creation of a security interest in the regulatory asset, the investment asset, the clean energy adjustment or the undertaking of the Crown under section 5 shall be the laws of the Province.

Conflict

37. The provisions of this Act and the regulations apply despite any provision of any other Act regarding the attachment, assignment or perfection, or the effect of perfection or priority of any transfer or security interest.

No further approvals, etc.

38. Despite any requirement under any Act, no approvals, notices or authorizations other than those specified in this Act are required to be taken under the Financing Plan or in relation to the determination of the fair allocation amount.

Liability

39. (1) No action or other civil proceeding shall be commenced against any employee of the Province or Ontario Power Generation Inc. for any act done in good faith in the exercise or performance or the intended exercise or performance of a power or duty under this Act, the regulations under this Act or for any alleged neglect or default in the exercise or performance in good faith of such a power or duty.

Same

(2) Nothing in subsection (1) shall be read as limiting the effect of subsection 19 (1) of the *Electricity Act, 1998* or subsection 11 (1) of the *Ontario Energy Board Act, 1998.*

Same

(3) Despite subsections 5 (2) and (4) of the *Proceedings Against the Crown Act, subsection (1) does not relieve the Crown of liability in respect of a tort committed by a person mentioned in subsection (1) to which it would otherwise be subject.*

References in marketing materials and offering documents

40. No person shall include, in marketing materials or offering documents relating to the financing of funding obligations, references to any rights, obligations, guarantees or undertakings arising under section 5 unless the prescribed requirements, if any, are satisfied.

Regulations

41. (1) The Lieutenant Governor in Council may make regulations in respect of the following matters:

1. Governing anything that is required or permitted to be prescribed or that is required or permitted to be done by, or in accordance with, the regulations or as authorized, specified or provided in the regulations.

2. Defining, for the purposes of a regulation, words and expressions used in this Act that are not defined in the Act.

3. Governing the incurrence of debt for the purposes of the definition of "refinancing" in subsection 1 (1).

4. Governing the inclusion of information under this Act on or with invoices, which may include requiring notice to be provided by electricity vendors to specified consumers and other prescribed persons regarding the adjustments, including providing for different requirements in different circumstances and for different classes of specified consumers.

5. Governing the inclusion of information about the clean energy adjustment and any other matters provided for under this Act on or with invoices issued to specified consumers, including the form that the information must take and the form of the invoices and the form of any notice to be provided to the specified consumer under this Act.

6. Governing the manner by which invoices or notices provided for under this Act are to be provided to specified consumers and other prescribed persons.

7. Providing for a right of compensation for investment interest owners affected by a breach under section 29 and the manner in which such a right may be enforced under this Act.

8. Prescribing the time within which any action required by this Act may be required to be done.

9. Providing for such other matters as the Lieutenant Governor in Council considers advisable to carry out the purpose of this Act.

Limitation

(2) Despite subsection (1) or any other Act, no regulation under this Act shall have the effect of reducing, impairing, postponing or terminating the obligations of specified consumers to pay amounts in respect of the clean energy adjustment or impairing or postponing the invoicing, collection, remittance or recovery of the clean energy adjustment.

PART VIII
AMENDMENTS TO OTHER ACTS

Electricity Act, 1998

42. (1) Subsection 6 (1) of the *Electricity Act, 1998* is amended by adding the following clause:

(q.1) to exercise the powers and rights and to perform the duties and obligations assigned to it under the *Ontario Fair Hydro Plan Act, 2017* and to engage in activities to facilitate the implementation of the *Ontario Fair Hydro Plan Act, 2017*, including,

(i) entering into agreements or arrangements with any person for the purposes of the *Ontario Fair Hydro Plan Act, 2017*,

(ii) engaging in activities related to making payments to and receiving payments as contemplated under the *Ontario Fair Hydro Plan Act, 2017* and to engage in related settlement activities,

(iii) engaging in activities related to the transfer and administration of the regulatory asset created under the *Ontario Fair Hydro Plan Act, 2017*, which activities may include,

(A) incurring liabilities in relation to the regulatory asset,

(B) transferring the regulatory asset under section 26 for consideration, and

(C) acting as a recovery agent under the *Ontario Fair Hydro Plan Act, 2017*;

(2) Subsection 25.33 (1) of the Act is amended by striking out "and" at the end of clause (a), by adding "and" at the end of clause (b) and by adding the following clause:

(c) such amounts as may be prescribed that are paid or incurred by the IESO in relation to the *Ontario Fair Hydro Plan Act, 2017*.

(3) Subsection 25.33 (2) of the Act is amended by striking out "and" at the end of clause (a), by adding "and" at the end of clause (b) and by adding the following clause:

(c) such amounts as may be prescribed that are paid or incurred by the IESO in relation to the *Ontario Fair Hydro Plan Act, 2017*.

(4) Clause 25.33 (4) (b) of the Act is amended by adding "or as may be required by a regulation made under this Act or the Ontario Fair Hydro Plan Act, 2017" at the end.

(5) Subsection 25.33 (5) of the Act is amended by adding "or under the Ontario Fair Hydro Plan Act, 2017" at the end.

(6) Section 53.1 of the Act is amended by adding the following subsections:

Same, *Ontario Fair Hydro Plan Act, 2017*

(1.1) In addition to the objects mentioned in subsection (1), the objects of Ontario Power Generation Inc. include exercising the powers and rights and performing the duties and obligations assigned to it under the *Ontario Fair Hydro Plan Act, 2017* and engaging in activities to facilitate the implementation of that Act, including entering into contracts and undertakings on behalf of financing entities and performing other services on behalf of financing entities, subject to the right to be paid by the financing entities for those services.

Subsidiaries, etc.

(1.2) Ontario Power Generation Inc. may create or invest in one or more subsidiaries, trusts, partnerships or special purpose entities in order to more efficiently conduct its activities or achieve its objects.

Deemed assets, non-subsidiary

(1.3) Despite any other provision of this Act, the *Business Corporations Act* or any other Act, if a financing entity is not a subsidiary of Ontario Power Generation Inc.,

(a) the assets and liabilities of the financing entity shall not form part of the assets and liabilities of Ontario Power Generation Inc. or any of its subsidiaries; and

(b) the assets and liabilities of Ontario Power Generation Inc. or any of its subsidiaries shall not form part of the assets and liabilities of the financing entity.

Deemed assets, subsidiary

(1.4) Despite any other provision of this Act, the *Business Corporations Act* or any other Act, if a financing entity is a subsidiary of Ontario Power Generation Inc.,

(a) the assets and liabilities of that financing entity shall not form part of the assets and liabilities of Ontario Power Generation Inc. or any of its other subsidiaries; and

(b) the assets and liabilities of Ontario Power Generation Inc. or any of its other subsidiaries shall not form part of the assets and liabilities of that financing entity.

Definition, financing entity

(1.5) For the purposes of this section,

"financing entity" has the same meaning as in the *Fair Hydro Plan Act, 2017.*

Ontario Energy Board Act, 1998

43. (1) Subsection 70 (2.1) of the *Ontario Energy Board Act, 1998* is amended by adding the following paragraph:

4. The licensee is required to comply with the *Ontario Fair Hydro Plan Act, 2017.*

(2) Section 70 of the Act is amended by adding the following subsection:

Deemed condition of licences, unit sub-meter provider, *Ontario Fair Hydro Plan Act, 2017*

(2.4) Every licence issued to a unit sub-meter provider is deemed to contain the condition that the unit sub-meter provider is required to comply with the *Ontario Fair Hydro Plan Act, 2017* and the regulations made under it.

(3) Section 78.1 of the Act is amended by adding the following subsections:

Same, limitation re Ontario Power Generation Inc.

(3) The determination of a payment to Ontario Power Generation Inc. under this section shall not include any consideration of amounts related to activities of Ontario Power Generation Inc. carried out in relation to the *Ontario Fair Hydro Plan Act, 2017.*

Same

(3.1) The amounts referred to in subsection (3) include, without limitation, the following:

1. Amounts related to the appointment of Ontario Power Generation Inc. as the Financial Services Manager under the *Ontario Fair Hydro Plan Act, 2017.*

2. Amounts related to the charging of fees for performing duties as the Financial Services Manager.

3. Amounts related to exercising the powers and performing the duties of the Financial Services Manager.

4. Amounts related to the consolidation of the assets and liabilities for accounting purposes of any special purpose financing entities established under and for the purposes of that Act.

(4) Subsection 79.16 (3) of the Act is repealed.

PART IX
COMMENCEMENT AND SHORT TITLE

Commencement

44. This Schedule comes into force on the day the *Fair Hydro Act, 2017* receives Royal Assent.

Short title

45. The short title of the Act set out in this Schedule is the *Ontario Fair Hydro Plan Act, 2017*.

SCHEDULE 2
AMENDMENTS TO THE ONTARIO ENERGY BOARD ACT, 1998

1. (1) Subsection 79 (4) of the *Ontario Energy Board Act, 1998* is repealed and the following substituted:

Liability

(4) All consumers are required, in accordance with the regulations, to contribute towards the amount of any compensation required under subsection (3) that is not otherwise provided under subsection (4.1).

Payments for certain classes

(4.1) Compensation required under subsection (3) may be provided with respect to one or more prescribed classes of consumers who receive rate protection under this section, in a manner provided for in the regulations.

Money appropriated by the Legislature

(4.2) The compensation provided for in subsection (4.1) shall be paid for out of the money appropriated for those purposes by the Legislature.

Information, etc.

(4.3) If provided for in the regulations, the Board, the IESO and distributors, or any of them, shall provide such information and reports to the Ministry of Energy and to one another as are necessary to facilitate the implementation, administration, funding and delivery of the rate protection or of anything else provided for in this section.

(2) Clause 79 (5) (e) of the Act is repealed and the following substituted:

(e) prescribing rules respecting the amounts that must be collected to compensate distributors, taking into account any compensation provided under subsection (4.1), including rules,

(i) respecting the calculation of those amounts,

(ii) respecting the calculation of any off-set to the liability of consumers under subsection (3) having regard to those amounts,

(iii) establishing the time and manner of collection,

(iv) requiring the amounts to be paid in instalments and requiring the payment of interest or penalties on late payments,

(v) prescribing methods of ensuring that the amounts required cannot be bypassed, and

(vi) respecting the distribution of those amounts to consumers;

(e.1) prescribing classes of consumers for the purposes of subsection (4.1), and governing how and when the compensation is to be provided with respect to the rate protection provided to them, including, without restricting the generality of the foregoing, requiring the IESO to receive payments or amounts from the Minister of Energy and to make payments to licensed distributors or to prescribed persons and prescribing how and when payments are to be made;

2. Section 79.2 of the Act is repealed and the following substituted:

Rate assistance

79.2 (1) The Minister shall make provision for rate assistance for rate-assisted consumers having regard to their economic circumstances, and where the Minister makes such provision, shall do so out of the money provided for in subsection (4).

OESP

(2) The program known as the "Ontario Electricity Support Program" in English and "Programme ontarien d'aide relative aux frais d'électricité" in French is continued for the purpose of providing rate assistance to rate-assisted consumers having regard to their economic circumstances.

Administered by Board

(3) The Ontario Electricity Support Program shall be administered by the Board, or when the regulations so provide, by a Minister of the Crown or other entity provided for in the regulations.

Money appropriated by the Legislature

(4) The money required for the purposes of the Ontario Electricity Support Program shall be paid out of the money appropriated for those purposes by the Legislature, once the amounts recorded in the variance account referred to in subsection (5) are no longer sufficient to provide for the funding of the program when taken on their own.

Variance account

(5) The money required for the purposes of the Ontario Electricity Support Program shall be provided out of the credit balance in the variance account maintained by the IESO under the Program as it existed before the coming into force of section 2 of Schedule 2 to the *Fair Hydro Act, 2017* until the amounts recorded in the account are no longer sufficient, when taken on their own, to fund the Program.

Variance account depleted

(6) The IESO shall provide the Ministry of Energy with advance notice, on a timely basis, of the time the IESO estimates that the amounts reflected in the variance account would be less than the amount required to meet its obligations related to funding the Ontario Electricity Support Program for the upcoming month.

How provided

(7) Rate assistance provided under this section shall be provided with respect to consumers prescribed in the regulations, and shall be provided at the times provided for in the regulations and in the amounts and in the manner provided for in the regulations.

Payments with respect to prior use

(8) The regulations may require provision of rate assistance to prescribed classes of rate-assisted consumers with respect to electricity consumed during a period prior to the date of the making of the regulation, but no such rate assistance shall be required under the regulations with respect to electricity consumed before January 1, 2016.

Transitional

(9) The regulations may require the provision of rate assistance for a rate-assisted consumer with respect to a period prior to the date on which the consumer became a rate-assisted consumer if the consumer meets all of the criteria prescribed by the regulations.

Distributors, etc.

(10) A distributor, a unit sub-meter provider and any other person or entity that may be prescribed is entitled to be compensated from the money referred to in subsection (4) or subsection (5), as the case may be, for any lost revenue resulting from the provision of rate assistance under the Ontario Electricity Support Program.

Deemed licence conditions, IESO, settlements, payments, etc.

(11) Every licence issued to the IESO, a distributor or unit sub-meter provider or a retailer of electricity shall be deemed to contain conditions requiring the licensee to do anything necessary to implement and administer the provision of rate assistance under this section as may be required by the regulations or the Board, including requirements with respect to,

(a) making payments to the IESO, distributors, unit sub-meter providers and other persons and entities identified by the regulations;

(b) receiving payments or other amounts from the IESO, distributors, unit sub-meter providers and other persons and entities identified by the Minister;

(c) requiring licensees to pass any rate assistance provided for under this section through to rate-assisted consumers in the manner provided for in the regulations;

(d) engaging in settlement activities;

(e) providing information to and receiving information from the Ministry of Energy, the Board, the IESO, distributors, unit sub-meter providers, retailers of electricity and any other prescribed persons and entities in the time and in the manner provided for by the Board or as may be prescribed; and

(f) entering into agreements or arrangements with licensees and other persons.

Information, etc.

(12) If provided for in the regulations, the Board, the IESO, distributors, retailers of electricity and unit sub-meter providers, or any of them, shall provide such information and reports to the Ministry of Energy and to one another as are necessary to facilitate the implementation, administration, funding and delivery of rate-assistance or of anything else required under this section.

Conflicts, etc.

(13) Where any conflict exists between an order of the Board, a code issued by the Board or a licence condition and this section or a regulation made under this section, this section or the regulation made under this section shall prevail to the extent of the conflict.

Regulations

(14) The Lieutenant Governor in Council may make regulations governing anything dealt with in this section and without limiting the generality of the foregoing, may make regulations,

(a) governing anything that is described in this section as being prescribed or as being provided for in the regulations or that is required to be done in accordance with the regulations;

(b) governing the time or times at which rate assistance shall be paid or become payable to rate-assisted consumers;

(c) governing the determination of classes of consumers who are rate-assisted consumers, including providing for different classes of rate-assisted consumers;

(d) requiring that certain costs and expenditures related to the Ontario Electricity Support Program be only incurred with the prior approval of the Minister, and governing those costs and expenditures;

(e) establishing rules for the calculation of the amount of the rate assistance to be provided;

(f) governing payments under this section, including determining the method or methods of calculating the amount of rate assistance to be provided;

(g) setting maximum amounts of the total annual value of rate assistance that may be provided;

(h) requiring a distributor, the IESO or a unit sub-meter provider or other prescribed person or entity to make or receive payments in respect of rate assistance, including requiring them to make or receive payments directly to or from the Ministry of Energy or to receive overpayments directly or indirectly from consumers or other persons entitled to receive the rate assistance and prescribing the circumstances in which such payments are to be made and received and such overpayments are to be received as well as methods for determining the amounts payable or to be received;

(i) requiring the IESO to receive payments from the Minister and requiring the IESO to make payments to the Board, to licensed distributors, to unit sub-meter providers or to prescribed persons, in respect of the rate assistance provided under this section and governing methods for determining the amounts payable;

(j) governing the Board's or other prescribed entity's administration and program-related costs in administering the Ontario Electricity Support Program;

(k) governing transitional matters arising from the changes made to the Ontario Electricity Support Program as a result of the enactment of the *Fair Hydro Financing Plan Act, 2017*.

Retroactivity

(15) A regulation made under this section is, if it so provides, effective with reference to a period before it is filed.

General or particular

(16) A regulation under this section may be general or particular in application, may provide for different classes of persons and entities and may prescribe different rules for different persons or entities or different classes of persons or entities.

Verification of eligibility

(17) Section 11 of the *Ministry of Revenue Act* applies with respect to the Ontario Electricity Support Program as a government assistance program administered by the Board.

Definitions

(18) In this section,

"Government assistance program" has the meaning provided for in subsection 11 (2) of the *Ministry of Revenue Act*; "(programme d'aide gouvernementale)"

"rate-assisted consumer" means a consumer referred to in subsection (7). "(consommateur admissible à l'aide tarifaire)"

3. The Act is amended by adding the following section:

Confidentiality, information sharing, etc.

79.2.1 (1) For the purposes of section 79.2, the Board or the Minister or entity having responsibility for administering the Ontario Electricity Support Program may enter into an agreement with the Minister of Community and Social Services to provide the services to the public listed in subsection (2) on behalf of the Board, Minister or the entity, as the case may be, in relation to the administration of the Ontario Electricity Support Program.

Agreement, etc.

(2) The services that may be included in an agreement referred to in subsection (1) are the following:

1. Providing documents and information about the Ontario Electricity Support Program.

2. Processing applications for the Ontario Electricity Support Program.

Arrangements with others

(3) The Minister of Community and Social Services may arrange with another person or entity to provide, on behalf of that Minister, services that that Minister is authorized to provide under an agreement referred to in subsection (1).

Personal information

(4) The Minister of Community and Social Services is authorized to collect, use, disclose and retain personal information necessary to provide the services authorized by

an agreement referred to in subsection (1), but shall not collect, use, disclose or retain more personal information than is reasonably necessary to provide the services.

Limitation

(5) Except where otherwise authorized under subsection (7), the Minister of Community and Social Services shall not collect, use, disclose or retain personal information provided for in subsection (4) without the consent of the individual to whom the information relates.

Duty to transfer personal information

(6) The Minister of Community and Social Services shall transfer an individual's personal information provided for in subsection (4) into the control of the Board, Minister or entity responsible for administering the Ontario Electricity Support Program promptly after processing an application for the Ontario Electricity Support Program, but may retain such personal information as is reasonably necessary to confirm that an individual has been provided a service.

Use of personal information, etc.

(7) The Minister of Community and Social Services may use personal information maintained by that Minister in connection with the administration of the Ontario Disability Support Program and the program established pursuant to the *Ontario Works Act, 1997*, for the purpose of identifying and contacting individuals eligible for the rate assistance provided under the Ontario Electricity Support Program, and to provide services authorized under an agreement referred to in subsection (1).

Deemed compliance

(8) The use of personal information as allowed by subsection (7) is deemed to comply with section 41 of the *Freedom of Information and Protection of Privacy Act.*

Disclosure of list

(9) In order to assist the Minister of Community and Social Services to identify individuals eligible for rate assistance, the Board or the Minister or entity having responsibility for administering the Ontario Electricity Support Program shall, as soon as practicable after the coming into force of this section, disclose to the Minister of Community and Social Services a list of individuals who are enrolled in the Ontario Electricity Support Program, together with their mailing address and other contact information.

Use of list

(10) The Minister of Community and Social Services may use the information on the list provided under subsection (9) to determine whether an individual who is currently enrolled in the Ontario Disability Support Program or the program established under the *Ontario Works Act, 1997* is also enrolled in the Ontario Electricity Support Program.

Destruction of list

(11) The Minister of Community and Social Services shall destroy the list provided under subsection (9) no later than one year after receiving the list.

Notification about the management of personal information

(12) The Minister of Community and Social Services shall ensure that a notice is published on a website describing,

(a) the purpose for which that Minister collects, uses, discloses and retains personal information in connection with the Ontario Electricity Support Program;

(b) the types of personal information that may be collected, used, disclosed and retained in connection with the Ontario Electricity Support Program, and the circumstances in which the personal information may be collected, used, disclosed and retained in connection with that Program; and

(c) the title, and contact information, including an email address, of an employee who can answer an individual's questions about the use of the personal information under this section.

4. The Act is amended by adding the following sections:

Distribution rate-protected consumers

79.3 (1) The Minister shall provide for distribution rate protection to distribution rate-protected residential consumers having regard to the costs of the distribution of electricity to such consumers with respect to electricity consumed on or after the date prescribed by the regulations.

Money appropriated by the Legislature

(2) The money required for the purposes of the provision of distribution rate protection under this section shall be paid out of the money appropriated for those purposes by the Legislature.

Maximum charge

(3) Despite any order of the Board, or anything else under this Act, where the regulations so provide, a prescribed distributor who distributes electricity to distribution rate-protected residential consumers shall not charge those consumers, or a prescribed class of those consumers, any amount for monthly base distribution charges more than,

(a) the maximum amount for the charge that is provided for in the regulations; or

(b) the amount determined by the Board after applying any calculations, processes or methods provided for in the regulations.

Distributors

(4) A distributor who is prescribed under this section is entitled to be compensated from the money referred to in subsection (2) for lost revenue resulting from the provision of the distribution rate protection to distribution rate-protected residential consumers under this section.

Information, etc.

(5) If provided for in the regulations, the Board, the IESO and distributors, or any of them shall provide such information and reports to the Ministry of Energy and to one another as are necessary to facilitate the implementation, administration, funding and delivery of distribution rate protection or of anything else required under this section.

Limitation periods for distribution rate protection, consumer

(6) Despite any past entitlement of a consumer who is eligible to distribution rate protection under this section, no distribution rate protection is payable to a consumer after a limitation period prescribed by the regulations in respect of the consumer, other than in such circumstances as may be prescribed by the regulations.

Limitation, reimbursement of distributor, etc.

(7) Despite any requirement under this Act to reimburse a prescribed distributor or other person for distribution rate protection provided by them to distribution rate-protected residential consumers under this section, no amounts for reimbursement are payable to the prescribed distributor or other person after a limitation period prescribed by the regulations in respect of the prescribed distributor or other person, where such reimbursement is based on a consumer's past entitlement under this section which has not yet been paid or reimbursed under this section, other than in such circumstances as may be prescribed by the regulations.

Transitional

(8) If, for technical or operational reasons, a distributor referred to in subsection (3) is unable to adapt its invoices to comply with this section and the regulations by the time it issues its first invoice for electricity consumed after the prescribed date in respect of an account of a consumer who is eligible for distribution rate protection under this section,

(a) the distributor shall adapt its invoices as soon as possible and, in any event, no later than a date prescribed in the regulations; and

(b) consumers continue to be entitled to receive the distribution rate protection to which they are entitled under this Act and may receive it as a lump sum credit

on the invoice for the first billing period after the invoices have been adapted or by such other means as may be prescribed by the regulations.

Regulations

(9) The Lieutenant Governor in Council may make regulations,

(a) prescribing consumers or classes of consumers as distribution rate-protected residential consumers for the purposes of this section;

(b) prescribing dates for the purposes of subsections (1) and (8);

(c) prescribing distributors for the purposes of this section;

(d) governing anything that is described in this section as being prescribed or as being provided for in the regulations or that is required to be done in accordance with the regulations;

(e) governing the provision of distribution rate protection by the Minister in respect of distribution rate-protected residential consumers under this section including determining the method or methods of calculating the amount of rate protection to be provided;

(f) requiring the IESO to receive payments from the Minister and to make payments to licensed distributors, or to persons prescribed by the regulations, in respect of the distribution rate protection provided for under this section and prescribing methods for determining the amounts payable to distributors or distribution rate-protected residential consumers in respect of that protection.

Interpretation

(10) In this section,

"distribution rate-protected residential consumer" has the meaning provided for in the regulations; **(French)**

"monthly base distribution charges" has the meaning provided for in the regulations. (frais de distribution mensuels de base)

Delivery credit for on-reserve consumers

79.4 (1) The Minister shall provide a delivery credit to on-reserve consumers who meet the criteria prescribed under this section with respect to electricity consumed on or after the date prescribed by the regulations.

Money appropriated by the Legislature

(2) The money required for the purposes of the provision of the credits required under this section shall be paid out of the money appropriated for those purposes by the Legislature.

Eligible costs

(3) The eligible costs for the delivery credit referred to in subsection (1) are,

(a) the sum of the following charges for which the consumer would otherwise be liable,

(i) all variable and fixed distribution charges,

(ii) all charges based on the retail transmission network service rate,

(iii) all charges based on the retail transmission connection service rate,

(iv) all charges related to losses incurred in the distribution of electricity, except for such amounts that are included in regulatory charges provided for in the regulations, and

(v) any other charges that may be prescribed in the regulations; or

(b) where no separate charges for delivery are provided for by the distributor or other person or entity that may be prescribed in the regulations, the monthly service charge or such other amount as may be prescribed for or in respect of a prescribed distributor.

Delivery credit

(4) A distributor, person or entity shall, unless the regulations provide otherwise, provide the delivery credit referred to in subsection (1) by crediting the account of an on-reserve consumer.

Same

(5) The regulations may require that distributors and any other persons or entities provide a delivery credit to an on-reserve consumer who is entitled to a delivery credit under subsection (1) in such manner or in accordance with such methods as may be prescribed.

Same

(6) A distributor or any person or entity as may be prescribed is entitled to be compensated from the money referred to in subsection (2) for any lost revenue resulting from the provision of the delivery credits under this section.

Information, etc.

(7) If provided for in the regulations, the Board, the IESO and distributors, and other persons or entities, or any of them, shall provide such information and reports to the Ministry of Energy and to one another as are necessary to facilitate the implementation, administration, funding and delivery of the delivery credits or of anything else required under this section.

Limitation periods for delivery credit, consumer

(8) Despite any past entitlement of an on-reserve consumer who is eligible for a delivery credit under this section, no delivery credit is payable to an on-reserve consumer after a limitation period prescribed by the regulations in respect of the on-reserve consumer, other than in such circumstances as may be prescribed by the regulations.

Limitation, reimbursement of distributor, etc.

(9) Despite any requirement under this Act to reimburse a distributor or other persons or entities for delivery credits provided by them to on-reserve consumers under this section, no amounts for reimbursement are payable to the distributor or other persons or entities after a limitation period prescribed by the regulations in respect of the distributor or other persons or entities, where such reimbursement is based on an on-reserve consumer's past entitlement under this section which has not yet been paid or reimbursed under this section, other than in such circumstances as may be prescribed by the regulations.

Transitional

(10) If, for technical or operational reasons, a distributor referred to in subsection (4) is unable to adapt its invoices to comply with this section and the regulations by the time it issues its first invoice for electricity consumed after the prescribed date in respect of an eligible account,

(a) the distributor shall adapt its invoices as soon as possible and, in any event, no later than a date prescribed in the regulations; and

(b) on-reserve consumers continue to be entitled to receive the delivery credit to which they are entitled under this Act and may receive it as a lump sum credit on the invoice for the first billing period after the invoices have been adapted or by such other means as may be prescribed by the regulations.

Regulations

(11) The Lieutenant Governor in Council may make regulations,

(a) governing who is an on-reserve consumer for the purposes of this section and, without limiting the generality of the foregoing, may provide that consumers

who occupy certain areas are on-reserve consumers, and may do so without regard to whether those areas constitute a "reserve" under any other Act or law;

(b) prescribing dates for the purposes of subsections (1) and (10);

(c) governing provision of the delivery credits provided to on-reserve consumers under this section and, without restricting the generality of the foregoing, governing anything that under this section is to be prescribed or provided for in the regulations, or that is to be done in accordance with the regulations;

(d) determining the method or methods of calculating the amount of the delivery credits to be provided by the Minister in respect of on-reserve consumers under this section;

(e) requiring the IESO to make and receive payments to and from the Minister and to make payments to licensed distributors, or to persons prescribed by the regulations, in respect of the delivery credits provided for under this section and prescribing methods for determining the amounts payable to distributors or on-reserve consumers in respect of the credits provided.

Interpretation

(12) In this section,

"on-reserve consumer" has the meaning provided for in the regulations.

Application

79.5 Sections 79.6 through 79.11 apply to the programs provided for under sections 79, 79.2, 79.3 and 79.4 to the extent that they are funded by money appropriated for those purposes by the Legislature.

Definition

79.6 In sections 79.7 to 79.11,

"Finance Minister" means the Minister of Finance or such other member of the Executive Council to whom the administration of those sections is assigned under the *Executive Council Act*.

Records

79.7 (1) Every distributor and every other person prescribed by regulation shall keep at a location in Ontario such records as are necessary to determine and verify compliance with sections 79, 79.2, 79.3 and 79.4 and the regulations associated with them and any records required by those regulations to be kept.

Electronic records

(2) If a person keeps records in an electronic form, the person shall ensure that, from the time the records are first made and for as long as they are required to be retained,

(a) they remain complete and unaltered, apart from any changes or additions made in the normal course of communication, storage or display; and

(b) they are capable of being printed and of being produced in electronically readable format for inspection, examination or audit.

Retention of records

(3) Records required to be kept under subsection (1) shall not be destroyed unless authorization has been given in writing by the Finance Minister.

Offence

(4) Every person who fails to keep records in accordance with this section is guilty of an offence and, on conviction, is liable to a fine of not less than $50 and not more than $5,000.

Inspections and inquiries

79.8 (1) The Finance Minister may appoint one or more inspectors who are authorized to exercise any of the powers and perform any of the duties of a person authorized by the Minister under subsection 31 (1) of the *Retail Sales Tax Act* for any purpose related to the administration and enforcement of sections 79, 79.2, 79.3 and 79.4 of this Act.

Same

(2) Subsections 31 (1), (2), (2.1) and (2.2) of the *Retail Sales Tax Act* apply, with necessary modifications, with respect to the administration and enforcement of sections 79, 79.2, 79.3 and 79.4 of this Act.

Admission of evidence

(3) The Finance Minister, or a person authorized by the Finance Minister, may, for any purpose related to the administration of sections 79, 79.2, 79.3 and 79.4 or the regulations made in association with them, reproduce from original data stored electronically any information previously submitted as required under those sections or regulations in any form by any person, and the electronically reproduced document shall be admissible in evidence and shall have the same probative force as the original document would have had if it had been proved in the ordinary way.

Inquiry

(4) The Finance Minister may, for any purpose related to the administration of sections 79, 79.2, 79.3 and 79.4 of this Act or the regulations made in association with

them, authorize any person, whether or not the person is an employee in the Ministry of the Finance Minister, to make such inquiry as the Finance Minister considers necessary with reference to anything relating to the administration of this Act or the regulations.

Copies

(5) If a book, record or other document is examined or produced under this section, the person by whom it is examined or to whom it is produced or any officer of the Ministry may make, or cause to be made, one or more copies of it, and a document purporting to be certified by the person to be a copy made pursuant to this section is admissible in evidence and has the same probative force as the original document would have if proved in the ordinary way.

Compliance

(6) No person shall hinder or molest or interfere with any person doing anything that the person is authorized by this section to do or prevent or attempt to prevent any person doing any such thing.

Same

(7) Despite any other law to the contrary, every person shall, unless the person is unable to do so, do everything the person is required by this section to do.

Administration of oaths

(8) Declarations or affidavits in connection with statements of information submitted pursuant to this section may be taken before any person having authority to administer an oath or before any person specially authorized for that purpose by the Lieutenant Governor in Council, but any person so specially authorized shall not charge any fee for doing so.

Application of *Public Inquiries Act, 2009*

(9) Section 33 of the *Public Inquiries Act, 2009* applies to an inquiry under subsection (4).

Recovery of overpayments

Definitions

79.9. (1) In this section,

"inspector" means an inspector referred to in section 79.8; ("inspecteur")

"overpayment" means an amount received by a person in excess of that to which the person is entitled under sections 79, 79.2, 79.3 and 79.4 or the regulations made in association with them. ("trop-perçu")

Notice of overpayment

(2) If it appears to an inspector that a person has received an overpayment, the Finance Minister may send a written notice to the person advising the person of the following:

1. That the person has received an overpayment.

2. The amount of the overpayment and how it was calculated.

3. The required steps to be taken by the person with respect to the overpayment.

4. The date, not more than six months after the date of the notice, by which these steps must be completed.

5. That the Finance Minister has the authority to assess the person for the amount of the overpayment, plus interest, if the person fails to complete the required steps by the specified date.

Calculation of amount of overpayment

(3) For the purposes of this section, an inspector shall calculate an overpayment or the outstanding balance of an overpayment in the manner and form and using such procedures as the Finance Minister considers adequate and expedient.

Assessment

(4) If a person fails to complete the steps required in a notice under subsection (2) within the time specified in the notice, and any additional time requested by the person and permitted by the Finance Minister, the Finance Minister may assess or reassess the amount of the overpayment, or the outstanding balance of the overpayment, based on the inspector's calculation described in subsection (3).

Penalty

(5) If the Finance Minister makes an assessment or reassessment under subsection (4) and is satisfied that the person's non-compliance with the required steps in the notice was attributable to neglect, carelessness, wilful default or fraud, the Finance Minister may assess a penalty against the person equal to the outstanding balance of the overpayment when the penalty is assessed.

Time limit

(6) The Finance Minister shall not assess or reassess under subsection (4) more than 48 months after the end of the month in which the person received the overpayment.

Exception, where misrepresentation, etc.

(7) Subsection (6) does not apply if the Finance Minister establishes that the person has made a misrepresentation that is attributable to neglect, carelessness or wilful default or has committed any fraud in supplying information under this Act or the regulations or in omitting to disclose information.

Deeming

(8) An amount assessed or reassessed by the Finance Minister under this section is deemed, for the purposes of the administration and enforcement of this Act, to be a debt retirement charge owing and payable, as defined in subsection 85 (1) of the *Electricity Act, 1998,* that has been collected, on the last day of the month in which the person received the overpayment, by the person as a collector appointed under subsection 85.3 (1) of the *Electricity Act, 1998* and, for those purposes,

(a) sections 85.11, 85.12, 85.14, 85.17 and 85.30 of that Act apply with necessary modifications;

(b) in the application of sections 85.11 and 85.14 of that Act and without limiting the generality of clause (a) of this subsection, references to the Financial Corporation are read as references to the Minister of Finance and references to the Minister of Finance are read as references to the Finance Minister as defined in section 79.6 of this Act;

(c) the regulations made under that Act for the purposes of calculating the rate or rates of interest payable under section 85.11 of that Act and the manner of calculating the amount of interest apply with necessary modifications; and

(d) sections 23 and 36, subsections 37 (1), (1.1) and (2) and sections 37.1, 38 and 39 of the *Retail Sales Tax Act* apply with necessary modifications.

Disposition of repaid amounts

(9) If all or part of an overpayment is repaid to the Finance Minister, the Minister of Energy shall make such financial arrangements and payments as may be necessary to ensure that any person entitled to all or part of the overpayment receives the appropriate amount.

Confidentiality

79.10 (1) Except as authorized by this section, no person employed by the Government of Ontario shall,

(a) knowingly communicate or knowingly allow to be communicated to any person any information obtained by or on behalf of the Minister of Energy or

the Finance Minister for the purposes of sections 79, 79.2, 79.3 and 79.4 or the regulations made in association with them; or

(b) knowingly allow any person to inspect or to have access to any record or thing obtained by or on behalf of either Minister for the purposes of this Act.

Testimony

(2) No person employed by the Government of Ontario shall be required, in connection with any legal proceedings,

(a) to give evidence relating to any information obtained by or on behalf of the Minister of Energy or Finance Minister for the purposes of this Act; or

(b) to produce any record or thing obtained by or on behalf of either Minister for the purposes of this Act.

Exception

(3) Subsections (1) and (2) do not apply in respect of,

(a) criminal proceedings under any Act of the Parliament of Canada;

(b) proceedings in respect of the trial of any person for an offence under an Act of the Legislature; or

(c) proceedings relating to the administration or enforcement of this Act or Part V.1 or VI of the *Electricity Act, 1998*.

Communication

(4) A person employed by the Government of Ontario may, in the course of duties in connection with the administration or enforcement of sections 79, 79.2, 79.3 and 79.4 or the regulations made in association with them,

(a) communicate or allow to be communicated to another person employed by the Government of Ontario in the administration or enforcement of any law or to an employee of the Board information obtained by or on behalf of either Minister for the purposes of sections 79, 79.2, 79.3 and 79.4 or the regulations made in association with them; and

(b) allow another person employed by the Government of Ontario in the administration or enforcement of any law or an employee of the Board to inspect or have access to any record or thing obtained by or on behalf of either Minister for the purposes of sections 79, 79.2, 79.3 and 79.4 or the regulations made in association with them.

Reciprocal communication

(5) A person who receives information or obtains access to any record or thing under subsection (4) has a duty to communicate or furnish to that Minister on a reciprocal basis any information, record or thing obtained by the person that affects the administration or enforcement of this Act.

Use of information

(6) Any information, record or thing communicated or furnished under this section may be used only for the administration or enforcement of sections 79, 79.2, 79.3 and 79.4 or the regulations made in association with them or an Act that is administered or enforced by the person receiving the information, record or thing.

Same

(7) The Finance Minister may permit information or a copy of any record or thing obtained by or on behalf of the Finance Minister for the purposes of sections 79, 79.2, 79.3 and 79.4 or the regulations made in association with them to be given to,

(a) the person from whom the information, record or thing was obtained;

(b) any person by whom an amount is payable or has been paid under sections 79, 79.2, 79.3 and 79.4 or the regulations made in association with them; or

(c) the legal representative of a person mentioned in clause (a) or (b) or the agent of the person authorized in writing in that behalf.

Information

(8) The Finance Minister may permit information or a copy of any record or thing obtained by or on behalf of the Finance Minister for the purposes of sections 79, 79.2, 79.3 and 79.4 or the regulations made in association with them to be given to any person employed by any government if,

(a) the information, record or thing obtained by that government for the purpose of any Act that imposes a tax or duty are communicated or furnished on a reciprocal basis to the Minister; and

(b) the information, record or thing will not be used for any purpose other than the administration or enforcement of a law that provides for the imposition of a tax or duty.

Offence

(9) Every person who contravenes any provision of this section is guilty of an offence and on conviction is liable to a fine of not more than $2,000.

Offences

False statements, etc., and fraud

79.11 (1) Every person who engages in any of the following acts or omissions is guilty of an offence:

1. Making, participating in, assenting to or acquiescing in the making of a false or deceptive statement in any document or answer required or submitted under sections 79, 79.2, 79.3 and 79.4 or the regulations made in association with them.

2. Destroying, altering, mutilating, hiding or otherwise disposing of information or records of any person, for the purpose of evading compliance with sections 79, 79.2, 79.3 and 79.4 or the regulations made in association with them.

3. Making, assenting to or acquiescing in the making of a false or deceptive entry of a material particular in a record of any person required to maintain records for the purposes of sections 79, 79.2, 79.3 and 79.4 or the regulations made in association with them.

4. Omitting to make or assenting to or acquiescing in the omission of an entry of a material particular in a record of any person required to maintain records for the purposes of sections 79, 79.2, 79.3 and 79.4 or the regulations made in association with them.

5. Wilfully evading or attempting to evade, in any manner, compliance with an obligation under sections 79, 79.2, 79.3 and 79.4 or the regulations made in association with them.

Penalty upon conviction

(2) A person convicted of an offence under subsection (1) is liable to either or both of the following penalties in addition to any other penalty assessed under this Act:

1. A fine in an amount that is not less than $1,000 and not more than $10,000.

2. Imprisonment for a term of not more than two years.

General offence

(3) Every person who contravenes, by any act or omission, any other requirement imposed under sections 79, 79.2, 79.3 and 79.4 is guilty of an offence and, on conviction, is liable, where no other penalty is provided for the offence, to a fine of not less than $50 and not more than $5,000.

Limitation period

(4) A proceeding to prosecute an offence provided for in this section must be commenced within six years after the date on which the matter of the offence arose.

Payment of fines

(5) Fines imposed on conviction of an offence provided for in this section are payable to the Finance Minister on behalf of the Crown in right of Ontario.

Commencement

5. (1) Subject to subsection (2), this Schedule comes into force on the day the *Fair Hydro Act, 2017* receives Royal Assent.

(2) Section 2 comes into force on a day to be named by proclamation of the Lieutenant Governor.

Ontario

LEGISLATION AND REGULATIONS COMMITTEE: MINISTRY APPROVAL FORM

+LRC Tracking #: (DLEG-847)
EVista Tracking #: (SUB—DL-2017-00665)

Ministry of Energy

Ontario Fair Hydro Act, 2017
Legislation

Profile at a Glance

Priority: Key
Public Interest: Very High
Key Stakeholder Interest: High
New Costs/Burdens: Yes for Government, Yes for Stakeholders
New Savings/Opportunities: Yes for Stakeholders; No for Government

Proposed Items for Review

1. New legislation titled the Ontario Fair Hydro Act, 2017

Approvals required prior to LRC

	Committee and date	Cabinet Date
Policy	Cabinet approval received March 1	
TB/MBC	TB/MBC approval received March 9	

Deputy Minister _____ Date _____

Minister _____ Date _____

s. 1 Proposal and Context

- On March 2, 2017, the government announced Ontario's Fair Hydro Plan (OFHP), intended to lower bills on average by 25% for a typical residential consumer, starting in the summer of 2017. About half a million small businesses and farms are also expected to benefit.

- Any rate increases for residential consumers over four years would be held to the rate of inflation.

- These measures include the 8% rebate introduced in January and builds on previously announced initiatives to deliver broad-based rate relief on electricity bills.

- The OFHP also announced enhancements to a number of existing programs targeted at more vulnerable electricity consumers, including funding some or all of the costs of these programs from the tax base rather than the electricity ratebase.

- OFHP is part of a significant system restructuring that will address long-standing policy challenges and ensure greater fairness.

- To implement OFHP, the Ministry has prepared the Fair Hydro Act, 2017 in close collaboration with key ministries (i.e., Treasury Board, Finance, Attorney General, Cabinet Office), agencies (i.e., OEB, IESO, OPG) and third party financial advisors and local distribution companies (LDCs).
    - The proposed Fair Hydro Act, 2017 would be an omnibus bill with 2 schedules: the Ontario Fair Hydro Plan Act, 2017 and amendments to the Ontario Energy Board Act, 1998 and Electricity Act, 1998.

- The proposed OFHP legislation, supporting regulations and amendments to existing legislation (e.g., Electricity Act and Ontario Energy Board Act) will, if passed, enable implementation of the following key components of the Plan:

    A. Refinancing the Global Adjustment (GA) – The proposed legislation outlines how costs would be fairly allocated among eligible consumers over time.

    B. Helping Vulnerable Electricity Consumers – The proposed legislation broadens the Rural or Remote Rate Protection Program (RRRP) by creating a new distribution rate protection component, expands the Ontario Electricity Support Program (OESP) and establishes a new On-Reserve First Nations Delivery Credit. The legislation also allows for these programs to be funded (partially for RRRP) through the tax-base.

A. GA Refinancing

- The purpose of the proposed legislation is to support the Government of Ontario's commitment to ensure that the costs of investments in clean energy initiatives are allocated fairly among present and future generations of consumers.

- Refinancing the Global Adjustment (GA) would be achieved through the proposed stand-alone legislation, regulations and amendments to existing legislation and regulations.

- Costs to be allocated include clean and renewable generation facilities, conservation, demand management, energy efficiency programs.

- The supporting legislation defines the mechanisms and framework that would achieve the refinancing of the GA. These mechanisms are described below.

B. Social Programs

- The proposed Ontario Fair Hydro Plan would help vulnerable electricity consumers by enhancing electricity support programs and shifting program costs onto the tax-base:
    - Enable Rural or Remote Electricity Rate Protection (RRRP) costs to be funded through provincial revenues;
    - Enhance Rate Protection through creation of new tax-base funded Distribution Rate Protection (DRP);
    - Enable Ontario Electricity Support Program (OESP) costs to be moved to tax base;
    - Create a new First Nation On-Reserve Delivery Credit, funded through provincial revenues

s. 2 Approach and Intended Outcomes

A. GA Refinancing

- The Fair Hydro Act, 2017 attempts to balance several key factors including financeability, accounting requirements and legal considerations.

- Following an extensive consultation process with internal and external experts, the proposed legislation strikes a balance between these three factors by:
    - Supporting financeability through a number of features, including enabling a provincial guarantee and provisions intended to provide certainty to investors in order to reduce borrowing costs and attract a wide investor base;

  - Addressing the necessary accounting requirements through mechanisms to record funding, interest and the transfer of regulatory assets to avoid a fiscal impact to the province; and
  - Mitigating legal risk by developing a methodology that attempts to fairly aligns costs and benefits.

- The purpose of the proposed legislation is to support the Government of Ontario's commitment to ensure that the costs of clean energy initiatives are allocated fairly among present and future generations of consumers.
  - Costs to be allocated include clean and renewable generation facilities, conservation, demand management, energy efficiency programs.

- The proposed legislation would outline:
  - Roles and responsibilities for the OEB, IESO, OPG and the Province;
  - A detailed Preamble, Purpose and Definitions;
  - Details with respect to cost allocation, rate reduction methodology, implementation and financing;
  - Scope of provincial undertaking and enabling the Province to provide guarantees and indemnities to back stop that undertaking; and
  - Amendments to other acts.

- The associated amendments to existing legislation and regulations include:
  - Electricity Act, 1998: amendments to provide OPG with the authority to establish a special purpose vehicle (SPV) for the investment asset and Ontario Energy Board Act, 1998: amendments to allow for OEB to set rates recognizing GA refinancing.

Preamble and Purpose

- The preamble of the proposed legislation establishes the rationale for the allocation of "clean energy costs" over time. That is, the development of a clean, modern and reliable electricity system has increased costs for ratepayers.

- The purpose of the proposed legislation is to support the Government of Ontario's commitment to ensure that the costs of these investments are allocated fairly among present and future generations of consumers.
  - Costs to be allocated include clean and renewable generation facilities, conservation, demand management, energy efficiency programs.

- The supporting legislation defines the mechanisms and framework that would achieve the refinancing of the Global Adjustment. Note: These mechanisms are described below.

- The legislation also restricts the OEB, Minister of Energy and the Crown from reducing, impairing or ending Clean Energy Adjustments in the future:
  - The Lieutenant Governor in Council may authorize the Ministers of Finance and Energy to enter into guarantees and indemnities related to the Act.

- The proposed legislation aligns eligibility with the Ontario Rebate for Electricity Consumers Act, 2016.

Fair Adjustment

- Sets out the mechanism for the Ontario Energy Board (OEB) to determine the "relief", including the initial decrease in rates to achieve the 25% decrease, for a typical residential consumer, and to achieve comparable bill reductions for other eligible consumers, for the period July 1, 2017 to April 30, 2018.
    - Under the legislation, the OEB must determine the amount within 15 business days of the legislation receiving Royal Assent.

- The Fair Adjustment also allows the LGIC to make regulations prescribing electricity rates after April 30, 2018.

Clean Energy Adjustment

- The Clean Energy Adjustment is the mechanism to recover the under-collection of GA from eligible consumers during the recovery period.

- The proposed Act outlines:
    - The process for determining the total Clean Energy Adjustment amount;
    - The obligation on individual ratepayers for the repayment of the amount; and
    - The inability to offset or bypass re-collection of the amount.

Fair Allocation Amount

- The Fair Allocation Amount is a calculation and allocation of clean energy costs and clean energy benefits over time.
    - The Minister of Energy is to calculate the Fair Allocation Amount and provide the amount to the Financial Services Manager. Subsequent calculations may be undertaken by other agents as prescribed by the Minister.
    - It is expected that the calculation would lead to decreased rates in the near term with upward pressure on rates in the long term.

- Under the legislation the calculation of the Fair Allocation Amount is guided by the principles and purposes of the Act including the proportional allocation of clean energy costs and benefits.

Financial Services Manager

- The legislation appoints OPG as the Financial Services Manager.

Financing Plan

- The Fair Allocation Amount is a calculation and allocation of clean energy costs and clean energy benefits over time.

- The Minister of Energy is to calculate the Fair Allocation Amount and provide the amount to the Financial Services Manager. Subsequent calculations may be undertaken by other agents as prescribed by the Minister.
- It is expected that the calculation would lead to decreased rates in the near term with upward pressure on rates in the long term.

- Under the legislation the calculation of the Fair Allocation Amount is guided by the principles and purposes of the Act including the proportional allocation of clean energy costs and benefits.

Regulatory Asset

- IESO will have a funding deferral resulting from the reduction in amounts collected during the first four years.

- The legislation enables IESO to record the under-collection of GA in a variance account, and deems the rights associated with this under-collected amount to be a Regulatory Asset.
  - OEB would determine rates to allow IESO to recover under-collection recorded in its variance account in the event the Regulatory Asset is not sold:

- IESO is authorized to sell all or a portion to the OPG Special Purpose Vehicle (SPV)/Trust.

Investment Asset

- The sale of the regulatory asset from IESO to the OPG Special Purpose Vehicle (SPV)/Trust creates an "Investment Asset".

  - The legislation establishes property rights for the Investment Asset such as the right to collect principal and interest and financing costs in the form of the clean energy adjustment from eligible consumers.

- The Investment Asset may in turn be sold to other investors or group of investors.

- Through the legislation, the Board, Minister and Crown undertake not to hinder the charging and remittance or collection of clean energy adjustments.
  - The Province, through the Minister of Finance and the Minister of Energy may agree to guarantee performance, any debts and obligations and backstop its undertaking.

Amendments to Other Acts

- The legislation stipulates required amendments to existing legislation such as:
  - The Electricity Act, 1998 – to expand the objects of IESO and OPG to enable them to perform their rights and obligations in the proposed Act

- The Ontario Energy Board Act, 1998 – to address license conditions and the determination of regulated payments.

B. Social Programs

- The proposed legislation provides the authority to implement two new rate mitigation programs and expands upon two existing programs.

- To date, a number of electricity support programs are funded through the electricity rate-base. There is opportunity to provide support to a more targeted subset of customers who are disproportionately affected by increased electricity costs and to shift these costs to the tax base.

- The proposed legislation is intended to provide rate relief and assistance for:

  - **High Distribution Cost Customers**: Some customers in rural areas where the cost to distribute electricity is high can experience difficulty in reducing their electricity bill through conservation, particularly when reliant on electric heating.
  - **Low-Income Customers**: Rising electricity costs make up a disproportionally large amount of the household expenditures for low-income households.
  - **First Nation On-Reserve Customers**: On-Reserve First Nations customers experience challenges with energy affordability and are seeking to address historical grievances associated with electricity system infrastructure.

Proposed Changes to the Ontario Energy Board Act, 1998 ("OEBA" or "Act")

- The Ontario Energy Board Act, 1998 would be amended to facilitate the roll out, expansion or change in funding of the following programs.

i. Rural or Remote Rate Protection (RRRP)

- RRRP is an existing program currently funded by ratepayers through the regulatory line of the electricity bill. Currently costs $1.58/month for a 750kWh consumer.
- Part of the program helps fund the costs of Hydro One customers classified into the "R2" residential rate class. There are approximately 330,000 R2 customers across the Province. These customers have some of the highest distribution costs in the Province. For R2 customers the enhanced RRRP, or Distribution Rate Protection (DRP), is provided in addition to the RRRP the customers are already eligible for under the existing RRRP.

- Section 79 would be amended to provide the government the ability to fund a portion of the Rural or Remote Rate Protection Program through the tax base by prescribing certain classes of consumers who will be funded through a legislative appropriation.

- This includes the ability to pass regulations respecting the making of rules for the compensation of distributors with the money appropriated flowing from the legislature through the IESO to the various LDCs who would then provide the rate relief directly on consumers' bills.
- Should the legislation pass, Energy proposes to amend O. Reg 442/04 to enable provincial funding to compensate Hydro One for provision of RRRP to its R2 customers.

ii. Expanded RRRP - Distribution Rate Protection

- While the RRRP helps mitigate some of the higher distribution costs for Hydro One R2 customers, there is an opportunity to provide further relief to consumers in relatively high-distribution cost outlier LDCs. This relief would be financed from the tax base.
- Mitigation would be provided by harmonizing distribution rates for prescribed LDCs, as set by the Ontario Energy Board. The mechanism for determining this rate would be set out in regulation.

- The new section 79.3 of the Act would enable Distribution Rate Protection, which satisfies the commitment to expand RRRP.
  - The section includes the power to pass regulations prescribing LDCs, the classes of consumers or consumers designated as distribution rate protected consumers, the maximum amount of the monthly base distribution charge, limitation periods, and the type of information required by the Board and Ministry to implement and administer the program, including financial transactions.

iii. Ontario Electricity Support Program (OESP)

- Section 79.2 would be repealed and replaced in order to provide the government with the ability to shift funding for the OESP (once existing rate-based pooled funding has been depleted) from the rate base to the tax base, and the ability to share information with MCSS to coordinate OESP and social assistance programs. The Ministry has already completed a regulatory amendment that, effective May 1, 2017:
  - Increases the existing OESP credit scales by an additional 50%; and
  - Expands the categories of OESP credits.
  - Provides for OESP to be funded from the tax-base once the IESO's OESP variance account has been depleted.

- The legislative amendments would provide authority to make regulations to replace existing O. Reg. 314/15 to implement these changes.

- The total fiscal impacts to the province from the newly enhanced OESP will amount to: $140 million in 2017-18, $261 million in 2018-19, $325 million in 2019-20 and $375 million in 2020-21.

- Schedule 2 amends the OESP provisions by prescribing the ability to fund the program from the tax base.
    - The section also provides that the Ontario Energy Board or any other entity prescribed in legislation would be responsible for administering the program.
    - In addition, the licenses of LDCs, the IESO, unit-sub meter providers or electricity retailers are deemed to include anything which is necessary to administer and implement the program as may be set out in regulations or by the Board.
    - The section also requires that the Ontario Energy Board continue funding the program using the amounts previously accumulated in the IESO's OESP variance account which is the difference between funds collected through the regulatory charge and expended on OESP to date, until these amounts are depleted and the program shifts to the tax-base.
    - The section provides for broad regulation making power and includes the provision for the creation of different classes of rate assisted consumers and establishing rules for the calculation of the rate assistance to be provided.
    - New provisions also provide the necessary authority to allow the OEB and the Ministry of Community and Social Services (MCSS) to share data on customers in the future to support increased participation in the OESP program among social assistance clients.

- Note: the intended approach involves proclaiming s.79.2 into force on a future date to be named by proclamation. This would allow time for the funds accumulated in the IESO's OESP variance account to be more fully expended prior to the repeal and replacement of s.79.2.
    - However, the MCSS data sharing provisions, along with ss. Amendments to s. 79.2.1, the new sections 79.3 and 79.4, would come into force upon Royal Assent.
    - The OESP charge has been removed from electricity bills, however a surplus account has been accumulated which the OEB will continue to use until depleted.

iv. First Nations On-Reserve Delivery Credit

- On June 27, 2016, following discussions on Hydro One shares and rates at COO's All Chiefs Conference, the Minister of Energy issued a letter directing the OEB to prepare a report providing "*advice on options for an appropriate electricity rate (or rate assistance) for on-reserve First Nations electricity consumers*".

- The program is premised around the findings in the OEB report on a First Nations Delivery Rate Assistance. The proposed program features include:
    - Eliminating the delivery charge, or monthly service charge for those customers served by LDCs that do not have a delivery charge, from the bills of prescribed on-reserve customers. Regulations would then prescribe those on reserve consumers which are eligible for the on reserve credit.

- Continue to provide eligibility to OESP while not disturbing eligibility for the Low Income Energy Assistance Program (LEAP) currently funded by distributors outside of these amendments to the OEBA; and
- The program would be carried out by the 11 affected LDCs serving on-reserve consumers identified by the OEB in its report, including; Algoma Power Inc., Attawapiskat Power Corporation, Bluewater Power Distribution Corporation, Cat Lake Power Utility Ltd., Cornwall Electric Distribution, Hydro One Networks Inc. Hydro One Remote Communities Inc., PUC Distribution Inc., and Thunder Bay Hydro Electricity Distribution.

- The program is anticipated to have a fiscal impact on Government of $20 million, as estimated by the Ontario Energy Board, to implement.

- The new section 79.4 of the Act would establish the First Nation On-Reserve Delivery Credit. The section provides that for all prescribed consumers, living on-reserve, the entirety of their delivery line items will be removed from their bill as a delivery credit.
  - The program would be entirely funded through the tax base.
  - The section includes the power to make regulations prescribing further program details such as eligibility and funding parameters.

v. *Ministry of Finance Accountability Provisions*

- The social programs all involve the expenditure of tax money to fund the partial or entire program costs. As a result, the Ministry of Finance and Treasury Board Secretariat require that such money be tracked and accounted for throughout the process.

- Therefore, the OEBA has been amended to include new provisions between ss. 79.5 to 79.11 as follows
  - Section 79.5 – imposes information sharing and auditing requirements for the Ministry of Finance.
  - Section 79.6 – Defines the Finance Minister as the Minister responsible for ss. 79.7 to 79.11.
  - Section 79.7 – mandates record keeping, retention and content requirements.
  - Section 79.8 – enables the Minister of Finance to appoint inspectors who may carry out inquiries
  - Section 79.9 – sets out the regime for the recovery of overpayments
  - Section 79.10 – imposes confidentiality requirements on Ministry staff for the collection of information
  - Section 79.11 – creates offences for false or deceptive statements, fraud and the unlawful destruction of records.

A. GA Refinancing

- On March 2, 2017, the government announced Ontario's Fair Hydro Plan (OFHP), which will lower bills for residential consumers as well as most small businesses and farms. The initiative was announced as starting in the summer of 2017.

- The legislation for GA refinancing requires the OEB to make further rate adjustments no later than fifteen business days after the legislation receives Royal Assent for Regulated Price Plan (RPP) consumers to achieve the full 25% for a typical residential consumer, and for other eligible consumers to also receive a comparable bill reduction.

- The full reduction from the OFHP is expected to be addressed through a July 1st RPP rate adjustment.

B. Social Programs

- The direction for the creation and implementation of the social programs is found in a variety of sources including the Cabinet Minute, throne speech given on the government's efforts to mitigate the high price of electricity in Ontario, and public commitments made by the Minister and other key government spokespeople.

- The program has been announced to commence as of July 1, 2017. This includes both local announcements and organized speeches and press conferences.

s. 4 Impact Assessment and Costs

A. GA Refinancing

- The Ministry has worked closely with third-party financial advisors in advance of and throughout the drafting process to help to ensure that the proposed legislation enables refinancing of the GA.
    - The proposed legislation enables the province to provide assurances in the form of a "provincial guarantee" to OPG and investors regarding the permanence of the GA Refinancing framework and the authority of the legislature to pass the legislation. The intent is to ensure that the full value of any investment is recovered.
    - The legislation also enables the Province to guarantee borrowing of the trust in the event of a market disruption to mitigate OPG's financing risk. Specifics of these guarantees will be determined in agreements to be negotiated later this year.

- It is still possible that the full value of the Regulatory Asset may not be purchased.

- In such cases, IESO may be able to retain the unsold amounts recorded in its variance account for a short period of time.

- In order to provide financing, OPG would develop a special purpose vehicle (SPV) which will use 100% debt financing to purchase the regulatory asset, financing 51% through capital markets as senior debt, with the remaining 49% being provided by OPG as subordinated debt.
  - The 49% subordinated debt from OPG will be financed through debt OPG issues in its own capacity, through capital markets (up to 5%) with the remainder (44-49%) financed through equity injections from the Province. This will help to ensure OPG's capital structure remains in line.
  - The Ministry of Energy has received an appropriation for $1.1 billion operating asset to support these injections for the fiscal year 2017/18, and will report back through PRRT for future funding. Based on the final fair allocation amount calculation, the equity injections would be required until the period of recovery begins.
  - The injections will be fiscally neutral for the province as they will be offset with the value of shares purchased from OPG.

- OPG will seek to achieve the highest possible credit rating (AAA is possible) in order to reduce borrowing costs and attract a wide investor base. Credit ratings will depend on provisions in legislation, regulation and agreements as well as the capital structure of the SPV/Trust. Despite these factors, rating agencies may see the Province's rating forming a ceiling given the contingent guarantees that the Province will provide (described above).

B. Social Programs

i. Social Programs

Government Impact

- As approved in the TB/MBC submission of Mach 1st, 2017 and confirmed in Vote-Item 2905-1, the financial impacts on Government of the social programs for the period July 1 2017- March 31 2018 are anticipated to be as follows:

Program	2017-18 Budget
Rural or Remote Rate Protection	344,000,000
Ontario Electricity Support Program	140,000,000
On-Reserve First Nations Delivery Credit	15,000,000

- ENERGY will report back to TB/MBC in fall 2017-18 with an update on out-year projections following analysis on rate applications before the Ontario Energy Board.

Stakeholder Impact

The Schedule 2 social programs will impact Local Distribution Companies and their consumers.

- For example, the Distribution Rate Protection program would involve 8 LDCs, the First Nations On-Reserve Delivery Credit will involve 11 LDCs and the only impacted LDC from the changes to the legacy RRRP program is Hydro One Networks Inc. (the R2 rate class).
- There may be modest impacts on unit sub-meter providers and retailers, due to the requirement to flow financial assistance through to consumers served such entities.

- The compliance costs for LDCs will involve the expenditure of money to alter their billing systems in order to carry out the program. This includes costs to alter the bill presentment and to include a new line on the bill that highlights the First Nations On-Reserve Delivery Credit.

Agency Impact

- The Ontario Energy Board would have a role in continuing to administer the OESP and in setting the harmonized monthly base distribution charge for the purposes of the Distribution Rate Protection Program.

- The Independent Electricity System Operator would be responsible for for flowing the funds used to reimburse/compensate LDCs for the costs of delivering the social programs from the money appropriated for such purposes from the legislature. This requires the IESO to monitor program specific variance accounts and flow the amounts necessary to compensate LDCs for the costs incurred in carrying out the programs.

- The proposal advances the government's overarching goal of reducing the cost of electricity paid by residential customers, especially those facing the highest costs of delivery.

s. 5 Implementation

A. GA Refinancing

- On April 20, 2017, the Ontario Energy Board (OEB) announced new Regulated Price Plan (RPP) rates effective May 1 that include a portion of the bill reduction proposed under the OFHP.

- These new RPP rates will include 50% of the estimated reduction in GA. This reduction in RPP rates, along with the removal of the OESP charge and the existing 8% rebate, will mean that May bills will be 17% lower than they would otherwise have been for an average consumer (15% lower for the typical Toronto Hydro consumer).

- The legislation for GA refinancing requires the OEB to make further rate adjustments no later than fifteen business days after the legislation receives Royal Assent for

RPP consumers to achieve the full 25% for a typical consumer and for other eligible consumers to receive a comparable bill reduction.

- The full reduction from the OFHP is expected to be addressed through a July 1st RPP rate adjustment.

- Regulations will be required to supplement the framework of the legislation to ensure that the OEB can make the required rate adjustments and to enable the financing contemplated by OPG SPV/Trust.

- The regulations are anticipated to be brought forward in mid and late June.

B. Social Programs

- The social programs would be implemented through subsequent regulations to follow that will expand upon the legislative framework to provide actual program specifications.

- The regulations are anticipated to be brought forward by late June, to allow for a July 1st program implementation.

- The efforts required to implement the programs would primarily fall upon the impacted LDCs who would need to adjust their billing systems in order to carry out the program.
    - For the OESP, the legislation contains transitional retroactive application of the provisions to offset any potential lapses in implementation.
    - The transitional retroactivity powers mitigate the risk of LDCs being unable to actualize the necessary OESP-related changes to their billings systems in time for the July 1st roll out and provides the utilities an extra prescribed time period (anticipated to be in the range of three months) to sort out any billing system alterations.
    - For the high-cost distribution rate protection and the on-reserve credit, there are more limited transitional provisions provide distributors with a prescribed time by which they must have adapted their billing systems while maintaining program eligibility for the rate assistance being provided.

C. Legal Considerations

- In principle, refinancing the Global Adjustment (GA) to spread the costs of generation and conservation assets over the useful life of the assets presents only a "low" risk of being an unconstitutional tax, as each cohort of consumers pays for a proportion of the GA cost roughly equal to the proportion of the benefit they receive from the useful life of the assets.

- Legal risk arises if it becomes apparent that the Government is not spreading cost so that it is shared proportionately by future consumers who cause a need for or benefit from the generation asset, but rather is doing so in order to lower the price in the "short" term by increasing the price in the long term. If the proposed financing served to encumber future consumers with a premium payment to cover the GA financing in

order to subsidize current ratepayers, then there would be a moderately high constitutional risk that the financing proposal would result in an unconstitutional tax.

- Former Supreme Court Justice Ian Binnie has provided a legal opinion concluding that the current proposal is at a moderately high risk of being a tax, for the following reasons:
    - The degree of constitutional risk is in direct proportion to the extent the government is not able to show a proper match between the cost of providing facilities for electricity generation and the group of consumers who benefit year to year from electricity generated by those facilities.
    - If the government fails to establish that the relevant electricity generating assets will continue to perform economically over the 30-year period, or if the GA charge is in the opinion of the Court disproportionately backend loaded, the GA will not qualify as a regulatory charge (and would be characterized as a tax).
    - By shifting costs to the 20-30 year customers, the government may in reality be disproportionately back-end loading the GA with the effect that the 20-30 year consumers will be subsidizing the 1-20 year consumers.
    - The judges can be expected to be aware of the difficult political problem of high energy costs in in Ontario, and will take a careful look at the government's evidence in support of the re-allocation of the GA.

- The legislation contains provisions to mitigate the constitutional law risks, including requiring the Minister of Energy to reallocate estimated clean energy costs attributable to each reference period in a way that takes into account the need to align those costs with the estimated clean energy benefits attributable to the same period. Limiting the near-term rate reductions to such amounts which can be justified as counterbalancing disproportionate GA payments during the 2005-2017 period ensures that the statutory 25% reduction is consistent with proportionate reallocation.

- The bill provides for provincial assurances, guarantees and a statutory cause of action.

- **The provincial assurance provision** is intended to mirror as closely as possible the language of a similar provision that appears in legislation in the United States that purports to limit a state legislature's ability to enact legislation that would affect the transaction.

- The main legal risk associated with the provision is that its precise legal purpose and intended effect are not clear. Under Canadian law, it is not possible for legislation to limit the future exercise of legislative power by the Legislature, including the power to amend or repeal statutory provisions or to expropriate private rights conferred under past statutes.

- In light of this limitation, the U.S. provision has been modified to focus on possible actions by the executive branch of government that might undermine the value of the proposed securities (including regulation-making), rather than seeking to constrain the Legislature's powers. However, in the absence of some future statutory amendment, it is not clear what, if any, executive action could have the effect of undermining the payment obligation that would be imposed on consumers under the

Act and, therefore, it is not clear what practical risk the provision is designed to mitigate against. This uncertainty creates a risk that a reviewing court could construe the provision in unanticipated ways.

- **The guarantee provisions** are intended to backstop the provincial assurance provision and provide that:
  - the Minister of Energy and Minister of Finance may, with LGIC approval, enter into agreements regarding the performance of IESO or electricity vendors; and
  - the Minister of Energy and Minister of Finance may, pursuant to LGIC order, agree to guarantee and indemnify any debt, obligation, security or undertaking associated with an investment interest.

Legal risk to the province will be assessed as the agreements are negotiated and drafted.

A statutory cause of action may be created by LGIC regulation. Much like the provincial assurance provision, the statutory cause of action provision is intended to mirror features of US legislation. Legal risk to the province will be assessed as the regulation defining the statutory cause of action is developed.

s. 6 Delivery and Results Tracking

A. GA Refinancing

- The Minister of Energy is to calculate the Fair Allocation Amount and provide the amount to the Financial Services Manager (OPG). Subsequent calculations may be undertaken by other agents as prescribed by the Minister. Such update calculations will be required given uncertainty related to electricity demand, interest rates and actual GA costs.

- The legislation establishes a framework for processes once the ratepayer relief is set. There is limited control once the plan is set, which could represent challenges for electricity planning and rate mitigation in future Long-Term Energy Plans.

- Under the legislation, OPG, as the Financial Services Manager, must prepare a Financing Plan and submit it to the Minister.
  - The Financing Plan sets out the funding obligations and amounts related to the financing of the under-collected GA amounts.

B. Social Programs

- As the social programs are funded through the tax-base, and in keeping with normal practice, Treasury Board Secretariat and the Ministry of Finance require that provisions be included that track the flow of tax money and hold all parties accountable for the proper allocation of tax money (proposed new OEBA s. 79.5-79.11).

- The actual implementation of the programs would be required to be shown on the bill (timelines will be in stated in the regulations). This timeline is in accordance with the feedback provided to the Ministry and the Board by affected LDCs.

s.7 Stakeholder Consultations

A. GA Refinancing

- In the development of the proposed legislation, the Ministry of Energy has worked closely with key ministries (i.e., TBS-OPCD, MOF-OFA/IGS, MAG, CO), OEB, IESO, OPG and their independent advisors (lawyers and accountants) and third party financiers (i.e., investment dealers).

- In addition, the Ministry hosted LDC workshop sessions on March 16 and April 19, 2017. Nearly 40 LDC representatives attended in person or by phone and were briefed on OFHP, including implementation.

B. Social Programs

- The Ministry has consulted with Energy agencies such as the Ontario Energy Board and the Independent Electricity System Operator on their respective roles and responsibilities.

- The Chief of Ontario (COO) have publicly supported the introduction of the First Nations Delivery Credit. ENERGY met with COO on April 26, 2017 to discuss implementation.

- The Ministry held working groups with all affected LDCs:
    - The Ministry received several quantitative data submissions from LDCs to help support the program and to buttress the implementation issues flagged by the utilities.
    - The consultations occurred in person and over teleconference.

- The consultations respecting the RRRP, the DRP and the On-Reserve First Nations Delivery Credit revealed concerns from LDCs over the costs of implementation and the timelines and obstacles to implementing the billing system changes.
- The feedback from the OEB helped to shape the estimates for the program costs of the proposed On-Reserve First Nations Delivery Credit as well as implementation timelines for the aforementioned program.

- Other key Ministries such as the Ministry of Finance and Treasury Board Secretariat were consulted as their will be a role for them to play in overseeing the implementation of the program funding.

s.8 Other Jurisdictions and Harmonization

A. GA Refinancing

- The program would not impact upon any other jurisdiction.
- GA refinancing does not harmonize Ontario rules with other jurisdictions and are not comparable to other Canadian jurisdictions.

B. Social Programs

- The program would not impact upon any other jurisdiction.
- The social programs do not harmonize Ontario rules with other jurisdictions and are not comparable to other Canadian jurisdictions.

s. 9 Communications

A. GA Refinancing

- The communications for GA refinancing will be referenced in ongoing announcements related to OFHP broadly, and as necessary targeted communications for specific stakeholder group can be developed.
- Energy has prepared a Communications Snapshot which summarizes the approach to communications.

B. Social Programs

- Energy has prepared a Communications Snapshot which summarizes the approach to communications.
- In respect of the First Nations On-Reserve Delivery Credit, the LDCs will work in collaboration with the Chiefs of Ontario and the Ministry to promote and advertise the availability of the credit to all eligible on-reserve customers.

s. 10 **Contacts and Appendices**

Contacts

	Name	Phone Number
Ministry Policy/Program	Tim Christie/Sunita Chander	5-6708/5-6594
Ministry Legal	Carolyn Calwell	2-8392
Ministry Communications		
Assistant or Deputy Minister's Office		
Cabinet Office Policy		

Appendices

Appendix A: Variance Memo
Appendix B: Compendium
Appendix C: Draft Legislation

Ontario

LEGISLATION AND REGULATIONS COMMITTEE: MINISTRY APPROVAL FORM

+LRC Tracking #: (DLEG-847)
EVista Tracking #: (SUB—DL-2017-00665)

Ministry of Energy

Ontario Fair Hydro Act, 2017
Legislation

Profile at a Glance

Priority: Key
Public Interest: Very High
Key Stakeholder Interest: High
New Costs/Burdens: Yes for Government, Yes for Stakeholders
New Savings/Opportunities: Yes for Stakeholders; No for Government

Proposed Items for Review

1. New legislation titled the Ontario Fair Hydro Act, 2017

Approvals required prior to LRC

	Committee and date	Cabinet Date
Policy	Cabinet approval received March 1	
TB/MBC	TB/MBC approval received March 9	

Deputy Minister _____ Date _____

Minister _____ Date _____

s. 1 Proposal and Context

- On March 2, 2017, the government announced Ontario's Fair Hydro Plan (OFHP), intended to lower bills on average by 25% for a typical residential consumer, starting in the summer of 2017. About half a million small businesses and farms are also expected to benefit.

- Any rate increases for residential consumers over four years would be held to the rate of inflation.

- These measures include the 8% rebate introduced in January and builds on previously announced initiatives to deliver broad-based rate relief on electricity bills.

- The OFHP also announced enhancements to a number of existing programs targeted at more vulnerable electricity consumers, including funding some or all of the costs of these programs from the tax base rather than the electricity ratebase.

- OFHP is part of a significant system restructuring that will address long-standing policy challenges and ensure greater fairness.

- To implement OFHP, the Ministry has prepared the Fair Hydro Act, 2017 in close collaboration with key ministries (i.e., Treasury Board, Finance, Attorney General, Cabinet Office), agencies (i.e., OEB, IESO, OPG) and third party financial advisors and local distribution companies (LDCs).
    - The proposed Fair Hydro Act, 2017 would be an omnibus bill with 2 schedules: the Ontario Fair Hydro Plan Act, 2017 and amendments to the Ontario Energy Board Act, 1998 and Electricity Act, 1998.

- The proposed OFHP legislation, supporting regulations and amendments to existing legislation (e.g., Electricity Act and Ontario Energy Board Act) will, if passed, enable implementation of the following key components of the Plan:

    A. Refinancing the Global Adjustment (GA) – The proposed legislation outlines how costs would be fairly allocated among eligible consumers over time.

    B. Helping Vulnerable Electricity Consumers – The proposed legislation broadens the Rural or Remote Rate Protection Program (RRRP) by creating a new distribution rate protection component, expands the Ontario Electricity Support Program (OESP) and establishes a new On-Reserve First Nations Delivery Credit. The legislation also allows for these programs to be funded (partially for RRRP) through the tax-base.

A. GA Refinancing

- The purpose of the proposed legislation is to support the Government of Ontario's commitment to ensure that the costs of investments in clean energy initiatives are allocated fairly among present and future generations of consumers.

- Refinancing the Global Adjustment (GA) would be achieved through the proposed stand-alone legislation, regulations and amendments to existing legislation and regulations.

- Costs to be allocated include clean and renewable generation facilities, conservation, demand management, energy efficiency programs.

- The supporting legislation defines the mechanisms and framework that would achieve the refinancing of the GA. These mechanisms are described below.

B. Social Programs

- The proposed Ontario Fair Hydro Plan would help vulnerable electricity consumers by enhancing electricity support programs and shifting program costs onto the tax-base:
    - Enable Rural or Remote Electricity Rate Protection (RRRP) costs to be funded through provincial revenues;
    - Enhance Rate Protection through creation of new tax-base funded Distribution Rate Protection (DRP);
    - Enable Ontario Electricity Support Program (OESP) costs to be moved to tax base;
    - Create a new First Nation On-Reserve Delivery Credit, funded through provincial revenues

s. 2 Approach and Intended Outcomes

A. GA Refinancing

- The Fair Hydro Act, 2017 attempts to balance several key factors including financeability, accounting requirements and legal considerations.

- Following an extensive consultation process with internal and external experts, the proposed legislation strikes a balance between these three factors by:
    - Supporting financeability through a number of features, including enabling a provincial guarantee and provisions intended to provide certainty to investors in order to reduce borrowing costs and attract a wide investor base;

  - Addressing the necessary accounting requirements through mechanisms to record funding, interest and the transfer of regulatory assets to avoid a fiscal impact to the province; and
  - Mitigating legal risk by developing a methodology that attempts to fairly aligns costs and benefits.

- The purpose of the proposed legislation is to support the Government of Ontario's commitment to ensure that the costs of clean energy initiatives are allocated fairly among present and future generations of consumers.
  - Costs to be allocated include clean and renewable generation facilities, conservation, demand management, energy efficiency programs.

- The proposed legislation would outline:
  - Roles and responsibilities for the OEB, IESO, OPG and the Province;
  - A detailed Preamble, Purpose and Definitions;
  - Details with respect to cost allocation, rate reduction methodology, implementation and financing;
  - Scope of provincial undertaking and enabling the Province to provide guarantees and indemnities to back stop that undertaking; and
  - Amendments to other acts.

- The associated amendments to existing legislation and regulations include:
  - Electricity Act, 1998: amendments to provide OPG with the authority to establish a special purpose vehicle (SPV) for the investment asset and Ontario Energy Board Act, 1998: amendments to allow for OEB to set rates recognizing GA refinancing.

Preamble and Purpose

- The preamble of the proposed legislation establishes the rationale for the allocation of "clean energy costs" over time. That is, the development of a clean, modern and reliable electricity system has increased costs for ratepayers.

- The purpose of the proposed legislation is to support the Government of Ontario's commitment to ensure that the costs of these investments are allocated fairly among present and future generations of consumers.
  - Costs to be allocated include clean and renewable generation facilities, conservation, demand management, energy efficiency programs.

- The supporting legislation defines the mechanisms and framework that would achieve the refinancing of the Global Adjustment. Note: These mechanisms are described below.

- The legislation also restricts the OEB, Minister of Energy and the Crown from reducing, impairing or ending Clean Energy Adjustments in the future:
  - The Lieutenant Governor in Council may authorize the Ministers of Finance and Energy to enter into guarantees and indemnities related to the Act.

- The proposed legislation aligns eligibility with the Ontario Rebate for Electricity Consumers Act, 2016.

Fair Adjustment

- Sets out the mechanism for the Ontario Energy Board (OEB) to determine the "relief", including the initial decrease in rates to achieve the 25% decrease, for a typical residential consumer, and to achieve comparable bill reductions for other eligible consumers, for the period July 1, 2017 to April 30, 2018.
    - Under the legislation, the OEB must determine the amount within 15 business days of the legislation receiving Royal Assent.

- The Fair Adjustment also allows the LGIC to make regulations prescribing electricity rates after April 30, 2018.

Clean Energy Adjustment

- The Clean Energy Adjustment is the mechanism to recover the under-collection of GA from eligible consumers during the recovery period.

- The proposed Act outlines:
    - The process for determining the total Clean Energy Adjustment amount;
    - The obligation on individual ratepayers for the repayment of the amount; and
    - The inability to offset or bypass re-collection of the amount.

Fair Allocation Amount

- The Fair Allocation Amount is a calculation and allocation of clean energy costs and clean energy benefits over time.
    - The Minister of Energy is to calculate the Fair Allocation Amount and provide the amount to the Financial Services Manager. Subsequent calculations may be undertaken by other agents as prescribed by the Minister.
    - It is expected that the calculation would lead to decreased rates in the near term with upward pressure on rates in the long term.

- Under the legislation the calculation of the Fair Allocation Amount is guided by the principles and purposes of the Act including the proportional allocation of clean energy costs and benefits.

Financial Services Manager

- The legislation appoints OPG as the Financial Services Manager.

Financing Plan

- The Fair Allocation Amount is a calculation and allocation of clean energy costs and clean energy benefits over time.

- The Minister of Energy is to calculate the Fair Allocation Amount and provide the amount to the Financial Services Manager. Subsequent calculations may be undertaken by other agents as prescribed by the Minister.
- It is expected that the calculation would lead to decreased rates in the near term with upward pressure on rates in the long term.

- Under the legislation the calculation of the Fair Allocation Amount is guided by the principles and purposes of the Act including the proportional allocation of clean energy costs and benefits.

Regulatory Asset

- IESO will have a funding deferral resulting from the reduction in amounts collected during the first four years.

- The legislation enables IESO to record the under-collection of GA in a variance account, and deems the rights associated with this under-collected amount to be a Regulatory Asset.
  - OEB would determine rates to allow IESO to recover under-collection recorded in its variance account in the event the Regulatory Asset is not sold.

- IESO is authorized to sell all or a portion to the OPG Special Purpose Vehicle (SPV)/Trust.

Investment Asset

- The sale of the regulatory asset from IESO to the OPG Special Purpose Vehicle (SPV)/Trust creates an "Investment Asset".
  - The legislation establishes property rights for the Investment Asset such as the right to collect principal and interest and financing costs in the form of the clean energy adjustment from eligible consumers.

- The Investment Asset may in turn be sold to other investors or group of investors.

- Through the legislation, the Board, Minister and Crown undertake not to hinder the charging and remittance or collection of clean energy adjustments.
  - The Province, through the Minister of Finance and the Minister of Energy may agree to guarantee performance, any debts and obligations and backstop its undertaking.

Amendments to Other Acts

- The legislation stipulates required amendments to existing legislation such as:
  - The Electricity Act, 1998 – to expand the objects of IESO and OPG to enable them to perform their rights and obligations in the proposed Act

- The Ontario Energy Board Act, 1998 – to address license conditions and the determination of regulated payments.

B. Social Programs

- The proposed legislation provides the authority to implement two new rate mitigation programs and expands upon two existing programs.

- To date, a number of electricity support programs are funded through the electricity rate-base. There is opportunity to provide support to a more targeted subset of customers who are disproportionately affected by increased electricity costs and to shift these costs to the tax base.

- The proposed legislation is intended to provide rate relief and assistance for:

  - **High Distribution Cost Customers**: Some customers in rural areas where the cost to distribute electricity is high can experience difficulty in reducing their electricity bill through conservation, particularly when reliant on electric heating.
  - **Low-Income Customers**: Rising electricity costs make up a disproportionally large amount of the household expenditures for low-income households.
  - **First Nation On-Reserve Customers**: On-Reserve First Nations customers experience challenges with energy affordability and are seeking to address historical grievances associated with electricity system infrastructure.

Proposed Changes to the Ontario Energy Board Act, 1998 ("OEBA" or "Act")

- The Ontario Energy Board Act, 1998 would be amended to facilitate the roll out, expansion or change in funding of the following programs.

i. Rural or Remote Rate Protection (RRRP)

- RRRP is an existing program currently funded by ratepayers through the regulatory line of the electricity bill. Currently costs $1.58/month for a 750kWh consumer.
- Part of the program helps fund the costs of Hydro One customers classified into the "R2" residential rate class. There are approximately 330,000 R2 customers across the Province. These customers have some of the highest distribution costs in the Province. For R2 customers the enhanced RRRP, or Distribution Rate Protection (DRP), is provided in addition to the RRRP the customers are already eligible for under the existing RRRP.

- Section 79 would be amended to provide the government the ability to fund a portion of the Rural or Remote Rate Protection Program through the tax base by prescribing certain classes of consumers who will be funded through a legislative appropriation.

- This includes the ability to pass regulations respecting the making of rules for the compensation of distributors with the money appropriated flowing from the legislature through the IESO to the various LDCs who would then provide the rate relief directly on consumers' bills.
- Should the legislation pass, Energy proposes to amend O. Reg 442/04 to enable provincial funding to compensate Hydro One for provision of RRRP to its R2 customers.

ii. Expanded RRRP - Distribution Rate Protection

- While the RRRP helps mitigate some of the higher distribution costs for Hydro One R2 customers, there is an opportunity to provide further relief to consumers in relatively high-distribution cost outlier LDCs. This relief would be financed from the tax base.
- Mitigation would be provided by harmonizing distribution rates for prescribed LDCs, as set by the Ontario Energy Board. The mechanism for determining this rate would be set out in regulation.

- The new section 79.3 of the Act would enable Distribution Rate Protection, which satisfies the commitment to expand RRRP.
  - The section includes the power to pass regulations prescribing LDCs, the classes of consumers or consumers designated as distribution rate protected consumers, the maximum amount of the monthly base distribution charge, limitation periods, and the type of information required by the Board and Ministry to implement and administer the program, including financial transactions.

iii. Ontario Electricity Support Program (OESP)

- Section 79.2 would be repealed and replaced in order to provide the government with the ability to shift funding for the OESP (once existing rate-based pooled funding has been depleted) from the rate base to the tax base, and the ability to share information with MCSS to coordinate OESP and social assistance programs. The Ministry has already completed a regulatory amendment that, effective May 1, 2017:
  - Increases the existing OESP credit scales by an additional 50%; and
  - Expands the categories of OESP credits.
  - Provides for OESP to be funded from the tax-base once the IESO's OESP variance account has been depleted.

- The legislative amendments would provide authority to make regulations to replace existing O. Reg. 314/15 to implement these changes.

- The total fiscal impacts to the province from the newly enhanced OESP will amount to: $140 million in 2017-18, $261 million in 2018-19, $325 million in 2019-20 and $375 million in 2020-21.

- Schedule 2 amends the OESP provisions by prescribing the ability to fund the program from the tax base.
    - The section also provides that the Ontario Energy Board or any other entity prescribed in legislation would be responsible for administering the program.
    - In addition, the licenses of LDCs, the IESO, unit-sub meter providers or electricity retailers are deemed to include anything which is necessary to administer and implement the program as may be set out in regulations or by the Board.
    - The section also requires that the Ontario Energy Board continue funding the program using the amounts previously accumulated in the IESO's OESP variance account which is the difference between funds collected through the regulatory charge and expended on OESP to date, until these amounts are depleted and the program shifts to the tax-base.
    - The section provides for broad regulation making power and includes the provision for the creation of different classes of rate assisted consumers and establishing rules for the calculation of the rate assistance to be provided.
    - New provisions also provide the necessary authority to allow the OEB and the Ministry of Community and Social Services (MCSS) to share data on customers in the future to support increased participation in the OESP program among social assistance clients.

- Note: the intended approach involves proclaiming s.79.2 into force on a future date to be named by proclamation. This would allow time for the funds accumulated in the IESO's OESP variance account to be more fully expended prior to the repeal and replacement of s.79.2.
    - However, the MCSS data sharing provisions, along with ss. Amendments to s. 79.2.1, the new sections 79.3 and 79.4, would come into force upon Royal Assent.
    - The OESP charge has been removed from electricity bills, however a surplus account has been accumulated which the OEB will continue to use until depleted.

iv. First Nations On-Reserve Delivery Credit

- On June 27, 2016, following discussions on Hydro One shares and rates at COO's All Chiefs Conference, the Minister of Energy issued a letter directing the OEB to prepare a report providing "*advice on options for an appropriate electricity rate (or rate assistance) for on-reserve First Nations electricity consumers*".

- The program is premised around the findings in the OEB report on a First Nations Delivery Rate Assistance. The proposed program features include:
    - Eliminating the delivery charge, or monthly service charge for those customers served by LDCs that do not have a delivery charge, from the bills of prescribed on-reserve customers. Regulations would then prescribe those on reserve consumers which are eligible for the on reserve credit.

- Continue to provide eligibility to OESP while not disturbing eligibility for the Low Income Energy Assistance Program (LEAP) currently funded by distributors outside of these amendments to the OEBA; and
- The program would be carried out by the 11 affected LDCs serving on-reserve consumers identified by the OEB in its report, including; Algoma Power Inc., Attawapiskat Power Corporation, Bluewater Power Distribution Corporation, Cat Lake Power Utility Ltd., Cornwall Electric Distribution, Hydro One Networks Inc. Hydro One Remote Communities Inc., PUC Distribution Inc., and Thunder Bay Hydro Electricity Distribution.

- The program is anticipated to have a fiscal impact on Government of $20 million, as estimated by the Ontario Energy Board, to implement.

- The new section 79.4 of the Act would establish the First Nation On-Reserve Delivery Credit. The section provides that for all prescribed consumers, living on-reserve, the entirety of their delivery line items will be removed from their bill as a delivery credit.
  - The program would be entirely funded through the tax base.
  - The section includes the power to make regulations prescribing further program details such as eligibility and funding parameters.

v. Ministry of Finance Accountability Provisions

- The social programs all involve the expenditure of tax money to fund the partial or entire program costs. As a result, the Ministry of Finance and Treasury Board Secretariat require that such money be tracked and accounted for throughout the process.

- Therefore, the OEBA has been amended to include new provisions between ss. 79.5 to 79.11 as follows
  - Section 79.5 – imposes information sharing and auditing requirements for the Ministry of Finance.
  - Section 79.6 – Defines the Finance Minister as the Minister responsible for ss. 79.7 to 79.11.
  - Section 79.7 – mandates record keeping, retention and content requirements.
  - Section 79.8 – enables the Minister of Finance to appoint inspectors who may carry out inquiries
  - Section 79.9 – sets out the regime for the recovery of overpayments
  - Section 79.10 – imposes confidentiality requirements on Ministry staff for the collection of information
  - Section 79.11 – creates offences for false or deceptive statements, fraud and the unlawful destruction of records.

A. GA Refinancing

- On March 2, 2017, the government announced Ontario's Fair Hydro Plan (OFHP), which will lower bills for residential consumers as well as most small businesses and farms. The initiative was announced as starting in the summer of 2017.

- The legislation for GA refinancing requires the OEB to make further rate adjustments no later than fifteen business days after the legislation receives Royal Assent for Regulated Price Plan (RPP) consumers to achieve the full 25% for a typical residential consumer, and for other eligible consumers to also receive a comparable bill reduction.

- The full reduction from the OFHP is expected to be addressed through a July 1st RPP rate adjustment.

B. Social Programs

- The direction for the creation and implementation of the social programs is found in a variety of sources including the Cabinet Minute, throne speech given on the government's efforts to mitigate the high price of electricity in Ontario, and public commitments made by the Minister and other key government spokespeople.

- The program has been announced to commence as of July 1, 2017. This includes both local announcements and organized speeches and press conferences.

s. 4 Impact Assessment and Costs

A. GA Refinancing

- The Ministry has worked closely with third-party financial advisors in advance of and throughout the drafting process to help to ensure that the proposed legislation enables refinancing of the GA.
    - The proposed legislation enables the province to provide assurances in the form of a "provincial guarantee" to OPG and investors regarding the permanence of the GA Refinancing framework and the authority of the legislature to pass the legislation. The intent is to ensure that the full value of any investment is recovered.
    - The legislation also enables the Province to guarantee borrowing of the trust in the event of a market disruption to mitigate OPG's financing risk. Specifics of these guarantees will be determined in agreements to be negotiated later this year.

- It is still possible that the full value of the Regulatory Asset may not be purchased.

- In such cases, IESO may be able to retain the unsold amounts recorded in its variance account for a short period of time.

- In order to provide financing, OPG would develop a special purpose vehicle (SPV) which will use 100% debt financing to purchase the regulatory asset, financing 51% through capital markets as senior debt, with the remaining 49% being provided by OPG as subordinated debt.
  - The 49% subordinated debt from OPG will be financed through debt OPG issues in its own capacity, through capital markets (up to 5%) with the remainder (44-49%) financed through equity injections from the Province. This will help to ensure OPG's capital structure remains in line.
  - The Ministry of Energy has received an appropriation for $1.1 billion operating asset to support these injections for the fiscal year 2017/18, and will report back through PRRT for future funding. Based on the final fair allocation amount calculation, the equity injections would be required until the period of recovery begins.
  - The injections will be fiscally neutral for the province as they will be offset with the value of shares purchased from OPG.

- OPG will seek to achieve the highest possible credit rating (AAA is possible) in order to reduce borrowing costs and attract a wide investor base. Credit ratings will depend on provisions in legislation, regulation and agreements as well as the capital structure of the SPV/Trust. Despite these factors, rating agencies may see the Province's rating forming a ceiling given the contingent guarantees that the Province will provide (described above).

B. Social Programs

i. Social Programs

Government Impact

- As approved in the TB/MBC submission of Mach 1st, 2017 and confirmed in Vote-Item 2905-1, the financial impacts on Government of the social programs for the period July 1 2017- March 31 2018 are anticipated to be as follows:

Program	2017-18 Budget
Rural or Remote Rate Protection	344,000,000
Ontario Electricity Support Program	140,000,000
On-Reserve First Nations Delivery Credit	15,000,000

- ENERGY will report back to TB/MBC in fall 2017-18 with an update on out-year projections following analysis on rate applications before the Ontario Energy Board.

Stakeholder Impact

The Schedule 2 social programs will impact Local Distribution Companies and their consumers.

- For example, the Distribution Rate Protection program would involve 8 LDCs, the First Nations On-Reserve Delivery Credit will involve 11 LDCs and the only impacted LDC from the changes to the legacy RRRP program is Hydro One Networks Inc. (the R2 rate class).
- There may be modest impacts on unit sub-meter providers and retailers, due to the requirement to flow financial assistance through to consumers served such entities.

- The compliance costs for LDCs will involve the expenditure of money to alter their billing systems in order to carry out the program. This includes costs to alter the bill presentment and to include a new line on the bill that highlights the First Nations On-Reserve Delivery Credit.

Agency Impact

- The Ontario Energy Board would have a role in continuing to administer the OESP and in setting the harmonized monthly base distribution charge for the purposes of the Distribution Rate Protection Program.

- The Independent Electricity System Operator would be responsible for for flowing the funds used to reimburse/compensate LDCs for the costs of delivering the social programs from the money appropriated for such purposes from the legislature. This requires the IESO to monitor program specific variance accounts and flow the amounts necessary to compensate LDCs for the costs incurred in carrying out the programs.

- The proposal advances the government's overarching goal of reducing the cost of electricity paid by residential customers, especially those facing the highest costs of delivery.

s. 5 Implementation

A. GA Refinancing

- On April 20, 2017, the Ontario Energy Board (OEB) announced new Regulated Price Plan (RPP) rates effective May 1 that include a portion of the bill reduction proposed under the OFHP.

- These new RPP rates will include 50% of the estimated reduction in GA. This reduction in RPP rates, along with the removal of the OESP charge and the existing 8% rebate, will mean that May bills will be 17% lower than they would otherwise have been for an average consumer (15% lower for the typical Toronto Hydro consumer).

- The legislation for GA refinancing requires the OEB to make further rate adjustments no later than fifteen business days after the legislation receives Royal Assent for

RPP consumers to achieve the full 25% for a typical consumer and for other eligible consumers to receive a comparable bill reduction.

- The full reduction from the OFHP is expected to be addressed through a July 1st RPP rate adjustment.

- Regulations will be required to supplement the framework of the legislation to ensure that the OEB can make the required rate adjustments and to enable the financing contemplated by OPG SPV/Trust.

- The regulations are anticipated to be brought forward in mid and late June.

B. Social Programs

- The social programs would be implemented through subsequent regulations to follow that will expand upon the legislative framework to provide actual program specifications.

- The regulations are anticipated to be brought forward by late June, to allow for a July 1st program implementation.

- The efforts required to implement the programs would primarily fall upon the impacted LDCs who would need to adjust their billing systems in order to carry out the program.
    - For the OESP, the legislation contains transitional retroactive application of the provisions to offset any potential lapses in implementation.
    - The transitional retroactivity powers mitigate the risk of LDCs being unable to actualize the necessary OESP-related changes to their billings systems in time for the July 1st roll out and provides the utilities an extra prescribed time period (anticipated to be in the range of three months) to sort out any billing system alterations.
    - For the high-cost distribution rate protection and the on-reserve credit, there are more limited transitional provisions provide distributors with a prescribed time by which they must have adapted their billing systems while maintaining program eligibility for the rate assistance being provided.

C. Legal Considerations

- In principle, refinancing the Global Adjustment (GA) to spread the costs of generation and conservation assets over the useful life of the assets presents only a "low" risk of being an unconstitutional tax, as each cohort of consumers pays for a proportion of the GA cost roughly equal to the proportion of the benefit they receive from the useful life of the assets.

- Legal risk arises if it becomes apparent that the Government is not spreading cost so that it is shared proportionately by future consumers who cause a need for or benefit from the generation asset, but rather is doing so in order to lower the price in the "short" term by increasing the price in the long term. If the proposed financing served to encumber future consumers with a premium payment to cover the GA financing in

order to subsidize current ratepayers, then there would be a moderately high constitutional risk that the financing proposal would result in an unconstitutional tax.

- Former Supreme Court Justice Ian Binnie has provided a legal opinion concluding that the current proposal is at a moderately high risk of being a tax, for the following reasons:
    - The degree of constitutional risk is in direct proportion to the extent the government is not able to show a proper match between the cost of providing facilities for electricity generation and the group of consumers who benefit year to year from electricity generated by those facilities.
    - If the government fails to establish that the relevant electricity generating assets will continue to perform economically over the 30-year period, or if the GA charge is in the opinion of the Court disproportionately backend loaded, the GA will not qualify as a regulatory charge (and would be characterized as a tax).
    - By shifting costs to the 20-30 year customers, the government may in reality be disproportionately back-end loading the GA with the effect that the 20-30 year consumers will be subsidizing the 1-20 year consumers.
    - The judges can be expected to be aware of the difficult political problem of high energy costs in in Ontario, and will take a careful look at the government's evidence in support of the re-allocation of the GA.

- The legislation contains provisions to mitigate the constitutional law risks, including requiring the Minister of Energy to reallocate estimated clean energy costs attributable to each reference period in a way that takes into account the need to align those costs with the estimated clean energy benefits attributable to the same period. Limiting the near-term rate reductions to such amounts which can be justified as counterbalancing disproportionate GA payments during the 2005-2017 period ensures that the statutory 25% reduction is consistent with proportionate reallocation.

- The bill provides for provincial assurances, guarantees and a statutory cause of action.

- **The provincial assurance provision** is intended to mirror as closely as possible the language of a similar provision that appears in legislation in the United States that purports to limit a state legislature's ability to enact legislation that would affect the transaction.

- The main legal risk associated with the provision is that its precise legal purpose and intended effect are not clear. Under Canadian law, it is not possible for legislation to limit the future exercise of legislative power by the Legislature, including the power to amend or repeal statutory provisions or to expropriate private rights conferred under past statutes.

- In light of this limitation, the U.S. provision has been modified to focus on possible actions by the executive branch of government that might undermine the value of the proposed securities (including regulation-making), rather than seeking to constrain the Legislature's powers. However, in the absence of some future statutory amendment, it is not clear what, if any, executive action could have the effect of undermining the payment obligation that would be imposed on consumers under the

Act and, therefore, it is not clear what practical risk the provision is designed to mitigate against. This uncertainty creates a risk that a reviewing court could construe the provision in unanticipated ways.

- **The guarantee provisions** are intended to backstop the provincial assurance provision and provide that:
  - the Minister of Energy and Minister of Finance may, with LGIC approval, enter into agreements regarding the performance of IESO or electricity vendors; and
  - the Minister of Energy and Minister of Finance may, pursuant to LGIC order, agree to guarantee and indemnify any debt, obligation, security or undertaking associated with an investment interest.

Legal risk to the province will be assessed as the agreements are negotiated and drafted.

A statutory cause of action may be created by LGIC regulation. Much like the provincial assurance provision, the statutory cause of action provision is intended to mirror features of US legislation. Legal risk to the province will be assessed as the regulation defining the statutory cause of action is developed.

s. 6 Delivery and Results Tracking

A. GA Refinancing

- The Minister of Energy is to calculate the Fair Allocation Amount and provide the amount to the Financial Services Manager (OPG). Subsequent calculations may be undertaken by other agents as prescribed by the Minister. Such update calculations will be required given uncertainty related to electricity demand, interest rates and actual GA costs.

- The legislation establishes a framework for processes once the ratepayer relief is set. There is limited control once the plan is set, which could represent challenges for electricity planning and rate mitigation in future Long-Term Energy Plans.

- Under the legislation, OPG, as the Financial Services Manager, must prepare a Financing Plan and submit it to the Minister.
  - The Financing Plan sets out the funding obligations and amounts related to the financing of the under-collected GA amounts.

B. Social Programs

- As the social programs are funded through the tax-base, and in keeping with normal practice, Treasury Board Secretariat and the Ministry of Finance require that provisions be included that track the flow of tax money and hold all parties accountable for the proper allocation of tax money (proposed new OEBA s. 79.5-79.11).

- The actual implementation of the programs would be required to be shown on the bill (timelines will be in stated in the regulations). This timeline is in accordance with the feedback provided to the Ministry and the Board by affected LDCs.

s.7 Stakeholder Consultations

A. GA Refinancing

- In the development of the proposed legislation, the Ministry of Energy has worked closely with key ministries (i.e., TBS-OPCD, MOF-OFA/IGS, MAG, CO), OEB, IESO, OPG and their independent advisors (lawyers and accountants) and third party financiers (i.e., investment dealers).

- In addition, the Ministry hosted LDC workshop sessions on March 16 and April 19, 2017. Nearly 40 LDC representatives attended in person or by phone and were briefed on OFHP, including implementation.

B. Social Programs

- The Ministry has consulted with Energy agencies such as the Ontario Energy Board and the Independent Electricity System Operator on their respective roles and responsibilities.

- The Chief of Ontario (COO) have publicly supported the introduction of the First Nations Delivery Credit. ENERGY met with COO on April 26, 2017 to discuss implementation.

- The Ministry held working groups with all affected LDCs:
    - The Ministry received several quantitative data submissions from LDCs to help support the program and to buttress the implementation issues flagged by the utilities.
    - The consultations occurred in person and over teleconference.

- The consultations respecting the RRRP, the DRP and the On-Reserve First Nations Delivery Credit revealed concerns from LDCs over the costs of implementation and the timelines and obstacles to implementing the billing system changes.
- The feedback from the OEB helped to shape the estimates for the program costs of the proposed On-Reserve First Nations Delivery Credit as well as implementation timelines for the aforementioned program.

- Other key Ministries such as the Ministry of Finance and Treasury Board Secretariat were consulted as their will be a role for them to play in overseeing the implementation of the program funding.

s.8 Other Jurisdictions and Harmonization

A. GA Refinancing

- The program would not impact upon any other jurisdiction.
- GA refinancing does not harmonize Ontario rules with other jurisdictions and are not comparable to other Canadian jurisdictions.

B. Social Programs

- The program would not impact upon any other jurisdiction.
- The social programs do not harmonize Ontario rules with other jurisdictions and are not comparable to other Canadian jurisdictions.

s. 9 Communications

A. GA Refinancing

- The communications for GA refinancing will be referenced in ongoing announcements related to OFHP broadly, and as necessary targeted communications for specific stakeholder group can be developed.
- Energy has prepared a Communications Snapshot which summarizes the approach to communications.

B. Social Programs

- Energy has prepared a Communications Snapshot which summarizes the approach to communications.
- In respect of the First Nations On-Reserve Delivery Credit, the LDCs will work in collaboration with the Chiefs of Ontario and the Ministry to promote and advertise the availability of the credit to all eligible on-reserve customers.

s. 10 **Contacts and Appendices**

Contacts

	Name	Phone Number
Ministry Policy/Program	Tim Christie/Sunita Chander	5-6708/5-6594
Ministry Legal	Carolyn Calwell	2-8392
Ministry Communications		
Assistant or Deputy Minister's Office		
Cabinet Office Policy		

Appendices

Appendix A: Variance Memo
Appendix B: Compendium
Appendix C: Draft Legislation

Fair Hydro Act, 2017

COMPENDIUM

The proposed Bill, the *Fair Hydro Act, 2017*, if enacted, would enact the *Ontario Fair Hydro Plan Act, 2017* and amend various Acts according to the provisions of Schedules 1 and 2 set out in greater detail below.

Schedule 1
Ontario Fair Hydro Plan Act, 2017

Schedule 1 enacts the *Ontario Fair Hydro Plan Act, 2017*. The Act establishes a framework under which the costs and benefits associated with the "clean energy initiative" are to be allocated among present and future consumers of electricity. The "clean energy initiative" describes the policies of the Government of Ontario related to fostering the development of a clean, modern and reliable electricity system.

Part I of the Act sets out the purposes of the Act and includes protections and assurances related to investor interests.

Under Part II of the Act, the Ontario Energy Board is required to determine reduced electricity rates that would achieve a 25% reduction in monthly invoice amounts from July 1, 2017 to April 30, 2018 for a hypothetical "regulated rate consumer" who meets prescribed criteria. The methodology to be applied by the Ontario Energy Board to determine electricity rates after April 30, 2018 would be prescribed by regulations.

Part III of the Act requires "specified consumers" to pay an amount in respect of the "clean energy adjustment". The clean energy adjustment is determined by the Financial Services Manager in accordance with rules set out in the Act and the regulations. Part III also specifies the roles and responsibilities of electricity vendors and the Independent Electricity System Operator ("IESO") with respect to the collection and remittance of amounts in respect of the clean energy adjustment.

Part IV of the Act requires the Minister of Energy to calculate a "fair allocation amount" by taking specified steps in accordance with principles and assumptions set out in the Act. The purpose of calculating the fair allocation amount is to measure and allocate the estimated clean energy costs and estimated clean energy benefits fairly among specified consumers.

Also under Part IV, Ontario Power Generation Inc. is appointed as the Financial Services Manager. The Financial Services Manager is required to prepare a written "Financing Plan" to evaluate whether potential funding obligations should be incurred to acquire and

finance investment assets (under Part V). Constraints are placed on incurring funding obligations that would result in amounts becoming payable in respect of the clean energy adjustment from July 1, 2017 to April 30, 2021. In accordance with the Financing Plan, the Financial Services Manager may establish financing entities that may incur funding obligations.

Part V of the Act requires the IESO to determine the "IESO deferral" in accordance with the regulations and to establish and maintain a variance account in which it records the IESO deferral for each month. The balance in the variance account becomes a "regulatory asset", which the IESO has the right to recover from specified consumers through rates set by the Ontario Energy Board. The IESO is authorized to transfer a specified portion of the regulatory asset to a financing entity. The transfer results in the financing entity acquiring a corresponding "investment interest". The Act sets out various rules respecting the validity and priority of such a transfer.

In Part VI, the Act provides various rules in respect of the "investment asset" created by the transfer under Part V of a specified portion of the regulatory asset. Part VI provides that the investment asset constitutes a current and irrevocable property right and interest, consisting collectively of various specified rights and interests of investment interest owners. The Act also includes rules respecting the validity and priority of transfers of investment interests and the granting of a security interest in an investment interest by an investment interest owner.

Part VII deals with various administrative and miscellaneous matters, including regulation-making authority of the Lieutenant Governor in Council.

Part VIII includes consequential amendments to the *Electricity Act, 1998* and the *Ontario Energy Board Act, 1999* to address various matters relating to the enactment of the new Act.

Schedule 2
Amendments to the Ontario Energy Board Act, 1998

Schedule 2 amends the *Ontario Energy Board Act, 1998*.

Section 79 of the Act is amended so that the rate protection provided to certain classes of rural or remote rate protected (RRRP) consumers may be funded out of money appropriated by the Legislature, rather than by consumers. Consumers would still be required to fund the remaining portion of RRRP not funded through appropriations.

Section 79.2 of the Act, which governs the Ontario Electricity Support Program (OESP), is repealed and replaced on a date to be named by proclamation of the LGIC. Once s.79.2 is proclaimed, the program would be continued, but will be funded out of money

appropriated by the Legislature after the variance account maintained by the IESO is exhausted, rather than by consumers. There are provisions relating to the sharing, use and disclosure of information relating to the administration of the OESP.

New provisions are created in the Act to establish programs to provide rate protection to certain distribution rate-protected residential consumers and a delivery credit to on-reserve consumers.

The Schedule also contains various amendments of a technical and administrative nature to support the implementation and oversight of these programs including provisions related to auditing, record-keeping, inspections and inquiries, offences and penalties.

The Schedule contains regulation-making authority in order to specify the details required to implement the various government-funded.

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Ontario

PRIVILEGED AND CONFIDENTIAL

Memorandum To: The Honourable Glen Murray
Chair of the Legislation and Regulations Committee

From: Carolyn Calwell
Director, Legal Services Branch

Date: May 5, 2017

Re: Ontario's Fair Hydro Plan
An Act to enact the Ontario Fair Hydro Act, 2017 and to make amendments to the Electricity Act, 1998 and the Ontario Energy Board Act, 1998

I have examined the draft of the above-referenced item being submitted to Legislation and Regulations Committee on May 10, 2017 and have compared that draft with the policy approved by Cabinet on March 1, 2017.

As a result of this comparison, I am able to advise you that the draft corresponds to the approved policy with the exception of the variances identified on the attached chart.

_____
Carolyn Calwell
Director

Ontario's Fair Hydro Plan
An Act to enact the Ontario Fair Hydro Act, 2017
and to make amendments to the Electricity Act, 1998 and the Ontario Energy Board Act, 1998

Minute Item	Approved Policy/Policy Sought to be Approved	Proposed Variance	Degree of Variance	Rationale/Commentary
1.A	Total projected bill increases will be kept in line with Consumer Price Index (CPI) **until the end of 2021.**	Bill increases will be prescribed by regulation for the period May 1, 2018 **to June 30, 2021**.	Low	June 30, 2021 aligns with public communications that rate increases will be held to inflation over the next four years. This regulation making authority would enable the government to keep bill increases in line with CPI.
1.A	Cap bill increases due to repayments at around 10% of the total bill.	Bill increases will not be capped.	High	Consultation with stakeholders and external advisors revealed that a legislated cap would undermine investors' certainty in recovering their investment. However, the debt rating will be impaired if modelling suggests that rates could increase more than 10%, providing a cap in practical terms.

Ontario

Implementation of Ontario's Fair Hydro Plan

Ministry of Energy

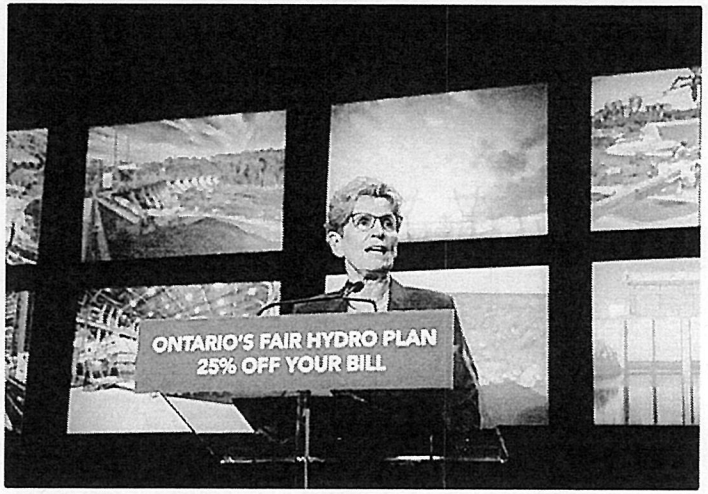
May 10, 2017

Minister	Deputy Minister

Ontario

Context

- On March 2, 2017, the government announced Ontario's Fair Hydro Plan (OFHP), which will lower bills by 25% for a typical residential consumer, starting in the summer of 2017. About half a million small businesses and farms are also expected to benefit.



- Any rate increases for residential consumers over four years would be held to the rate of inflation.

- These measures include the 8% rebate introduced in January and builds on previously announced initiatives to deliver broad-based rate relief on electricity bills.

- The OFHP is part of a significant system restructuring that will address long-standing policy challenges and ensure greater fairness.

- The legislative framework required to fully implement OFHP is set out in this presentation.

Ontario

Context

- Ontario's Fair Hydro Plan (OFHP) has the following major components:

1. Refinancing the Global Adjustment (GA);

2. Helping vulnerable electricity consumers;
   - Ontario Electricity Support Program (OESP);
   - Rural or Remote Rate Protection (RRRP) program;
   - On-Reserve First Nations Delivery Credit; and
   - Affordability Fund.

3. Extending the Industrial Conservation Initiative (ICI);

4. Improving Sector Efficiency; and

5. Modernizing Ontario's Electricity Market.

Ontario

Context – Action To Date

- Since the announcement of Ontario's Fair Hydro Plan (OFHP), a number components have been implemented.

- In April 2017, the Affordability Fund Trust was established. It is expected that electricity distributors will be able to begin applying to the Affordability Fund Trust in Summer 2017.

- In April 2017, ICI was expanded to allow eligible electricity consumers in the manufacturing and greenhouse sectors (i.e., with North American Industry Classification Standard (NAICS) codes commencing with the digits "31", "32", "33", and "1114") in Ontario with an average monthly peak demand of greater than 500 kW and less than 1 MW to opt in to ICI.

- The recovery of the Ontario Electricity Support Program (OESP) from the rate-base was removed as of May 1, 2017.

- On April 20, 2017, the Ontario Energy Board (OEB) announced new Regulated Price Plan (RPP) rates effective May 1st that include a portion of the bill reduction proposed under the OFHP (see next slide for more details). The legislation for GA refinancing requires OEB to issue a further rate adjustment no later than 15 business days after the legislation receives Royal Assent to achieve the full 25% for a typical consumer. This means new rates are expected to be effective July 1, 2017.

Ontario

New Regulated Price Plan Rates – Effective May 1, 2017

- Effective May 1, new RPP rates released by the OEB will include 50% of the estimated reduction in the Global Adjustment (GA). This reduction in RPP rates, along with the removal of the OESP charge and the existing 8% rebate, will mean that May bills will be 17% lower than they would otherwise have been for an average consumer.
  - It is standard OEB practice to include only a portion of future costs and benefits if they are not yet certain (i.e., pending legislation).

TOU Price Periods	Existing TOU Prices	Forecast TOU Prices without consideration of the proposed Fair Hydro Plan	May 1, 2017 TOU Prices including a portion of the proposed Fair Hydro Plan
Off-Peak	8.7¢/kWh	9.1¢/kWh	7.7 ¢/kWh
Mid-Peak	13.2 ¢/kWh	13.3 ¢/kWh	11.3 ¢/kWh
On-Peak	18.0 ¢/kWh	18.5 ¢/kWh	15.7 ¢/kWh

Source: OEB

Ontario

Ontario's Fair Hydro Plan – Proposed Legislation

- To implement OFHP, the Ministry has prepared the Fair Hydro Act, 2017 in close collaboration with key ministries (i.e., Treasury Board, Finance, Attorney General, Cabinet Office), agencies (i.e., OEB, IESO, OPG) and third party financial advisors and local distribution companies (LDCs).
  - The proposed Fair Hydro Act, 2017 would be an omnibus bill with 2 schedules: the Ontario Fair Hydro Plan Act, 2017 and amendments to the Ontario Energy Board Act, 1998 and Electricity Act, 1998.

- The proposed OFHP legislation, supporting regulation and amendments to existing legislation (e.g., *Electricity Act* and *Ontario Energy Board Act*) will enable implementation of the following key components of the Plan:

  1. Refinancing the Global Adjustment (GA) – The proposed legislation outlines how costs would be fairly allocated among eligible consumers over time.

  2. Helping Vulnerable Electricity Consumers – The proposed legislation broadens the Rural or Remote Rate Program (RRRP), expands the Ontario Electricity Support Program (OESP) and establishes a new On-Reserve First Nations Delivery Credit. The legislation also allows for these programs to be funded through the tax-base.

- This presentation provides an overview of these key components of OFHP legislation.

Ontario

Ontario's Fair Hydro Plan – Critical Path

Week of May 8, 2017

- May 9 – TB/MBC Report Back
- May 10 – LRC/Cabinet
- May 11 – Introduce Legislation

Week of May 15, 2017

- May 15 – Regulatory Posting
- May 15 to18 – House Debate

Week of May 22, 2017

- May 24 – Committee Review – Public Hearings

Week of May 29, 2017

- May 29 – Committee Review – Clause by Clause
- TBD – Passage of the Legislation/Royal Assent

June 2017

- TBD – LRC for Regulations
- TBD – New OEB/RPP Rate and Issue Orders to LDCs on RRRP Charge/Benefit

July 2017

- July 1 – New RPP rates, RRRP Charge/ Benefit and FN Delivery Credit in Effect

Ontario

1) Refinancing the Global Adjustment

Ontario

GA Refinancing – Overview of Proposed Legislation

- The Fair Hydro Act, 2017 attempts to balance several key factors including financeability, accounting requirements and legal considerations.

- Following an extensive consultation process with internal and external experts, the proposed legislation strikes a balance between these three factors by:

  – Supporting financeability through a number of features, including enabling a provincial guarantee and provisions intended to provide certainty to investors in order to reduce borrowing costs and attract a wide investor base;

  – Addressing the necessary accounting requirements through mechanisms to record funding, interest and the transfer of regulatory assets to avoid a fiscal impact to the province; and

  – Mitigating legal risk by developing a methodology that attempts to fairly aligns costs and benefits.

- Slides 9 to 16 detail the mechanics of the Fair Hydro Plan Act, 2017.

Ontario

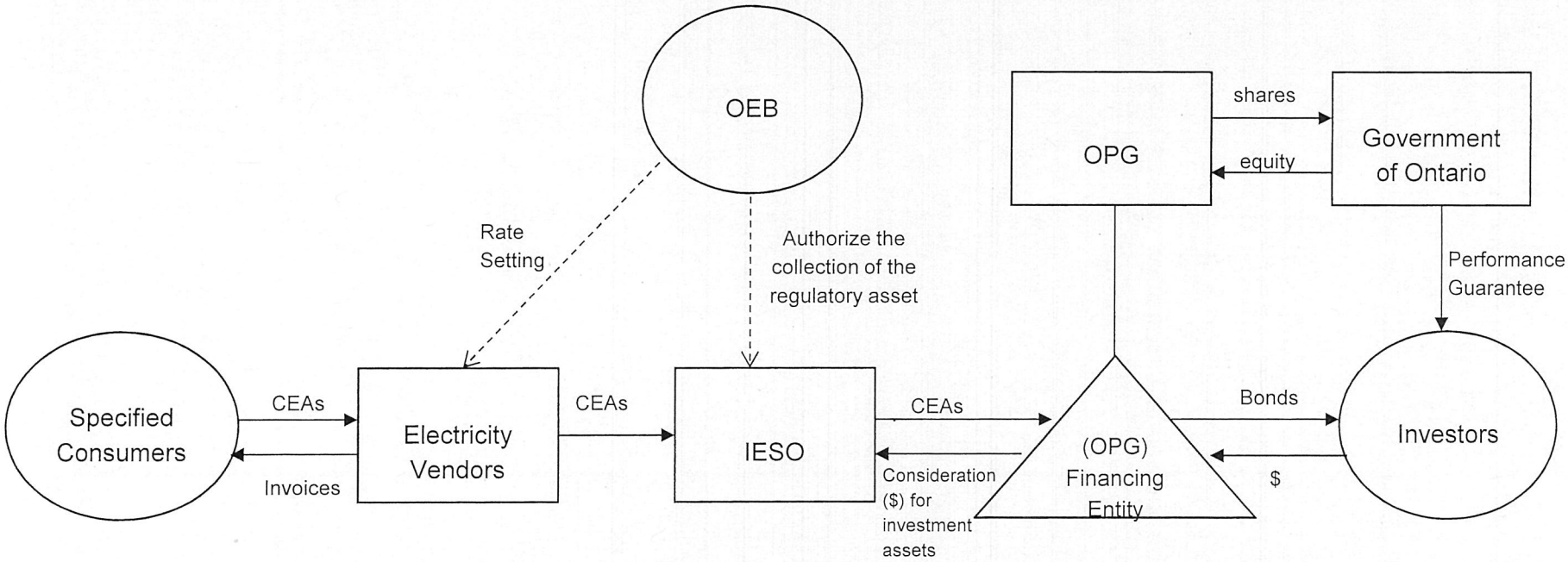
GA Refinancing – Overview of Proposed Legislation

- Refinancing the Global Adjustment would be achieved through stand-alone legislation, regulations and amendments to existing legislation and regulations.

- The proposed legislation would outline:
  - Roles and responsibilities for the OEB, IESO, OPG and the Province;
  - A detailed Preamble, Purpose and Definitions;
  - Details with respect to cost allocation, rate reduction methodology, implementation and financing;
  - Scope of provincial undertaking and enabling the Province to provide guarantees and indemnities to back stop that undertaking; and
  - Amendments to other acts.

- The associated amendments to existing legislation and regulations include:
  - *Electricity Act, 1998*: amendments to provide OPG with the authority to establish a special purpose vehicle (SPV) for the investment asset and *Ontario Energy Board Act, 1998*: amendments to allow for OEB to set rates recognizing GA refinancing.

GA Refinancing – Roles and Responsibilities



Note: CEAs are "clean energy adjustments"

Ontario

GA Refinancing – Legislative Overview

Preamble and Purpose

- The preamble of the proposed legislation establishes the rationale for the allocation of "clean energy costs" over time. That is, the development of a clean, modern and reliable electricity system has increased costs for ratepayers.

- The purpose of the proposed legislation is to support the Government of Ontario's commitment to ensure that the costs of these investments are allocated fairly among present and future generations of consumers.
  - Costs to be allocated include clean and renewable generation facilities, conservation, demand management, energy efficiency programs.

- The supporting legislation defines the mechanisms and framework that would achieve the refinancing of the Global Adjustment. Note: These mechanisms are described in the following slides.

- The legislation also restricts the OEB, Minister of Energy and the Crown from reducing, impairing or ending Clean Energy Adjustments (see slide 10) in the future:
  - The Lieutenant Governor in Council may authorize the Ministers of Finance and Energy to enter into guarantees and indemnities related to the Act.
- The proposed legislation aligns eligibility with the *Ontario Rebate for Electricity Consumers Act, 2016*.

Ontario

GA Refinancing – Legislative Overview (Cont'd)

Fair Adjustment

- Sets out the mechanism for the Ontario Energy Board (OEB) to determine the "relief", including the initial decrease in rates to achieve the 25% decrease, for the period July 1, 2017 to April 30, 2018.
  - Under the legislation, the OEB must determine the amount within 15 business days of Royal Assent.

- The Fair Adjustment also allows the Lieutenant Governor in Council (LGIC) to make regulations prescribing electricity rates for the period after May 1, 2018.

Clean Energy Adjustment

- The Clean Energy Adjustment is the mechanism to begin to recover the under-collection of GA from eligible consumers during the recovery period.
  - This is an adjustment to a consumer invoice on a monthly basis to repay principal, interest and other financing.
  - IESO and each electricity distributor will act as an agent for the financing entity to impose, invoice and collect the clean energy adjustments.

- The proposed Act outlines:
  - The process for determining the total Clean Energy Adjustment amount;
  - The obligation on individual ratepayers for the repayment of the amount; and
  - The inability to offset or bypass re-collection of the amount.

Ontario

GA Refinancing – Legislative Overview (Cont'd)

Fair Allocation Amount

- The Fair Allocation Amount is a calculation and allocation of clean energy costs and clean energy benefits over time.
  - The Minister of Energy is to calculate the Fair Allocation Amount and provide the amount to the Financial Services Manager. Subsequent calculations may be undertaken by other agents as prescribed by the Minister.

- It is expected that the calculation would lead to decreased rates in the near term with upward pressure on rates in the long term.

- Under the legislation the calculation of the Fair Allocation Amount is guided by the principles and purposes of the Act including the proportional allocation of clean energy costs and benefits.

Ontario

GA Refinancing – Legislative Overview (Cont'd)

Financial Services Manager

- The legislation appoints OPG as the Financial Services Manager.

Financing Plan

- Under the legislation, OPG, as the Financial Services Manager, is required to prepare a Financing Plan and submit it to the Minister of Energy for information purposes.

- The Financing Plan sets out the funding obligations and amounts related to the financing of the under-collected GA amounts.

- The Financing Plan shall be governed by principles, including:
  - Fair Adjustment period (July 1, 2017 to June 30, 2021);
  - Reasonable assumptions; and
  - Alignment with the Fair Allocation Amount.

Ontario

GA Refinancing – Legislative Overview (Cont'd)

- The ability to engage in the fair distribution of clean energy costs requires financing during periods where the collection of the clean energy costs is deferred to later years.

- The legislation outlines mechanisms that are required to enable the financing and meet requirements for rating agencies and investors.

Regulatory Asset

- IESO will have a funding deferral resulting from the reduction in amounts collected during the first four years.

- The legislation enables IESO to record the under-collection of GA in a variance account, and deems this under-collected amount to be a Regulatory Asset.
  - OEB would determine rates to allow IESO to recover under-collection recorded in its variance account in the event the under-collection is not sold.

- IESO is authorized to sell all or a portion to the OPG Special Purpose Vehicle (SPV)/Trust.

Ontario

GA Refinancing – Legislative Overview (Cont'd)

Investment Asset

- The sale of the regulatory asset from IESO to the OPG Special Purpose Vehicle (SPV)/Trust creates an "Investment Asset".
  - The legislation establishes property rights for the Investment Asset such as the right to collect principal and interest and financing costs in the form of the clean energy adjustment from eligible consumers.

- The Investment Asset may in turn be sold to other investors or group of investors.

Amendments to Other Acts

- The legislation includes required amendments to existing legislation such as:
  - The Electricity Act, 1998 – to expand the objects of IESO and OPG to enable them to perform their rights and obligations in the proposed Act
  - The Ontario Energy Board Act, 1998 – to address license conditions and the determination of regulated payments.

Ontario

GA Refinancing – Policy Considerations

- The proposed legislation to enable refinancing of the GA provides significant rate relief to electricity consumers that have been burdened with the costs of the necessary investments that have been made to decarbonize and modernize the province's electricity infrastructure.

- Given the long term nature of this program (i.e., approximately thirty years), the calculations related to refinancing of the GA set out in the proposed legislation will be subject to fluctuations in Ontario electricity demand, GA, and interest rates in the medium to long-term.

  – Should electricity demand be higher than forecast as a result of greater electrification, the cost of paying off the debt will be spread over a greater pool of consumption and decreasing future costs for individual ratepayers. Note: The reverse is also true in regards to decreasing demand.

  – Should interest costs increase from the assumed 5%, total borrowing costs would rise. Given that this a unique offering, managing investor confidence will be key to ensure borrowing costs don't rise.

- The Ministry has developed legislation in close collaboration with key ministries (i.e., Treasury Board, Finance, Attorney General, Cabinet Office), agencies (i.e., OEB, IESO, OPG) and third party financial advisors and local distribution companies (LDCs) to minimize risk, and to balance accounting and legal considerations and the need for financeability, where possible. Blakes has acted as the Ministry's external counsel in the development of the legislation providing expertise in securitization, constitutional law and energy law.

Ontario

GA Refinancing – Policy Considerations (cont'd)

- The legislation establishes a framework for the period after the ratepayer relief is set. By design, to achieve financing requirements there is limited control once the plan is set.

- The legislation recognizes the four-year period ending June 30, 2021, consistent with how the full reduction from OFHP are expected to be addressed through a July 1st RPP rate adjustment. Note: preliminary estimates presented in the March 1, 2017 Cabinet submission assumed calendar year 2017 to 2022.

- Bill impacts would vary between individual customers:
  - Small consumers (i.e., condo residents) will receive less than 25%;
  - Larger customers (i.e., electrically heated homes) will receive more than 25%; and
  - Lower-income Ontarians and those living in eligible rural communities would receive even greater reductions, as much as 40 to 50%.

- To support financeability, inflationary increases over the first four years would be set out in regulation rather than legislation.

Ontario

GA Refinancing – Financing Considerations

- The Ministry has worked closely with third-party financial advisors in advance of and throughout the drafting process to help to ensure that the proposed legislation enables refinancing of the GA.
  - The proposed legislation enables the province to provide assurances in the form of a "provincial guarantee" to OPG and investors regarding the permanence of the GA Refinancing framework and the authority of the legislature to pass the legislation. The intent is to ensure that the full value of any investment is recovered.
  - The legislation also enables the Province to guarantee borrowing of the trust in the event of a market disruption to mitigate OPG's financing risk. Specifics of these guarantees will be determined in agreements to be negotiated later this year.
- It is still possible that the full value of the Regulatory Asset may not be purchased.
  - In such cases, IESO may be able to retain the unsold amounts recorded in its variance account for a short period of time.
- In order to provide financing, OPG would develop a special purpose vehicle (SPV) which will use 100% debt financing to purchase the regulatory asset, financing 51% through capital markets as senior debt, with the remaining 49% being provided by OPG as subordinated debt.
  - The 49% subordinated debt from OPG will be financed through debt OPG issues in its own capacity, through capital markets (up to 5%) with the remainder (44-49%) financed through equity injections from the Province. This will help to ensure OPG's capital structure remains in line.
  - The Ministry of Energy has received an appropriation for $1.1 billion operating asset to support these injections for the fiscal year 2017/18, and will report back through PRRT for future funding. Based on the final fair allocation amount calculation, the equity injections would be required until the period of recovery begins.
  - The injections will be fiscally neutral for the province as they will be offset with the value of shares purchased from OPG.
- OPG will seek to achieve the highest possible credit rating (AAA is possible) in order to reduce borrowing costs and attract a wide investor base. Credit ratings will depend on provisions in legislation, regulation and agreements as well as the capital structure of the SPV/Trust. Despite these factors, rating agencies may see the Province's rating forming a ceiling given the contingent guarantees that the Province will provide (described above).

Ontario

GA Refinancing – Accounting Considerations

- The legislation to enable the refinancing of the GA has benefitted from the review and input of KPMG, E&Y and OPCD.
- The proposed legislation establishes mechanisms to enable the funding, sale and transfer between IESO and OPG that respond to the accounting requirements and advice outlined in the March 1, 2017 Cabinet Submission, such as concerns regarding consolidation by the Province.
- Under the proposed legislation, OEB will issue an "accounting order" to authorize IESO to create a variance account in which it will record the funding shortfall and recover the shortfall in accordance with the legislation and regulations. KPMG advises that the variance account created by the proposed legislation meets the accounting criteria for the recognition of a "regulatory asset".
- The Auditor General (AG) may chose to comment on OFHP in an annual or special report. Ministry and agency staff have provided a technical briefing to the AG and her office.
- The proposed legislation and the associated amendments to the Electricity Act, 1998, enshrine OPG's SPV/Trust as a stand-alone entity able to conduct business separately under a Trust agreement. Note: To further support the operations and mechanics of the OPG SPV/Trust, additional work will be done through the regulations and supporting agreements/documents. E&Y concurs with OPG's assessment that accounting requirements to support "consolidation" of OPG SPV / Trust with OPG Inc. can be met.
  - OPG will have the authority to set up the SPV/Trust and assign it with powers regarding decision-making, funding and ongoing operation.
  - OPG and IESO are developing a process that will allow interest payments to occur under GA Refinancing.

Ontario

GA Refinancing – Legal Considerations

- In principle, refinancing the Global Adjustment (GA) to spread the costs of generation and conservation assets over the useful life of the assets presents only a "low" risk of being an unconstitutional tax, as each cohort of consumers pays for a proportion of the GA cost roughly equal to the proportion of the benefit they receive from the useful life of the assets.

- Legal risk arises if it becomes apparent that the Government is not spreading cost so that it is shared proportionately by future consumers who cause a need for or benefit from the generation asset, but rather is doing so in order to lower the price in the "short" term by increasing the price in the long term. If the proposed financing served to encumber future consumers with a premium payment to cover the GA financing in order to subsidize current ratepayers, then there would be a moderately high constitutional risk that the financing proposal would result in an unconstitutional tax.

- Former Supreme Court Justice Ian Binnie has provided a legal opinion concluding that the current proposal is at a moderately high risk of being a tax, for the following reasons:
  - The degree of constitutional risk is in direct proportion to the extent the government is not able to show a proper match between the cost of providing facilities for electricity generation and the group of consumers who benefit year to year from electricity generated by those facilities.
  - If the government fails to establish that the relevant electricity generating assets will continue to perform economically over the 30-year period, or if the GA charge is in the opinion of the Court disproportionately backend loaded, the GA will not qualify as a regulatory charge (and would be characterized as a tax).
  - By shifting costs to the 20-30 year customers, the government may in reality be disproportionately back-end loading the GA with the effect that the 20-30 year consumers will be subsidizing the 1-20 year consumers.
  - The judges can be expected to be aware of the difficult political problem of high energy costs in in Ontario, and will take a careful look at the government's evidence in support of the re-allocation of the GA.

- The legislation contains provisions to mitigate the constitutional law risks, including requiring the Minister of Energy to reallocate estimated clean energy costs attributable to each reference period in a way that takes into account the need to align those costs with the estimated clean energy benefits attributable to the same period. Limiting the near-term rate reductions to such amounts which can be justified as counterbalancing disproportionate GA payments during the 2005-2017 period ensures that the statutory 25% reduction is consistent with proportionate reallocation.

Ontario

GA Refinancing – Legal Considerations

- The bill provides for provincial assurances, guarantees and a statutory cause of action.

- **The provincial assurance provision** is intended to mirror as closely as possible the language of a similar provision that appears in legislation in the United States that purports to limit a state legislature's ability to enact legislation that would affect the transaction.

- The main legal risk associated with the provision is that its precise legal purpose and intended effect are not clear. Under Canadian law, it is not possible for legislation to limit the future exercise of legislative power by the Legislature, including the power to amend or repeal statutory provisions or to expropriate private rights conferred under past statutes.

- In light of this limitation, the U.S. provision has been modified to focus on possible actions by the executive branch of government that might undermine the value of the proposed securities (including regulation-making), rather than seeking to constrain the Legislature's powers. However, in the absence of some future statutory amendment, it is not clear what, if any, executive action could have the effect of undermining the payment obligation that would be imposed on consumers under the Act and, therefore, it is not clear what practical risk the provision is designed to mitigate against. This uncertainty creates a risk that a reviewing court could construe the provision in unanticipated ways.

- **The guarantee provisions** are intended to backstop the provincial assurance provision and provide that:
  - the Minister of Energy and Minister of Finance may, with LGIC approval, enter into agreements regarding the performance of IESO or electricity vendors; and
  - the Minister of Energy and Minister of Finance may, pursuant to LGIC order, agree to guarantee and indemnify any debt, obligation, security or undertaking associated with an investment interest.

- Legal risk to the province will be assessed as the agreements are negotiated and drafted.

- **A statutory cause of action** may be created by LGIC regulation. Much like the provincial assurance provision, the statutory cause of action provision is intended to mirror features of US legislation. Legal risk to the province will be assessed as the regulation defining the statutory cause of action is developed.

Ontario

2) Helping Vulnerable Electricity Consumers

Ontario

Electricity Support Programs to Help the Most Vulnerable – Overview

- To provide targeted assistance to the customers and alleviate electricity cost burden, Cabinet agreed on March 1st 2017 to:
  - **Enhance Rural or Remote Rate Protection** (RRRP) by funding its costs through the tax base and providing additional support to customers of designated Hydro One rate classes and other high distribution cost Local Distribution Companies (LDCs).
  - **Enhance Ontario Electricity Support Program** (OESP) by funding its costs through the tax base and increasing eligible benefits by 50%.
  - **Implement On-Reserve First Nations Delivery Credit**, to remove Delivery charges for on-reserve First Nations customers.
- Cabinet also agreed to establish a new Affordability Fund, which would provide energy efficiency measures at no or minimal cost to those who are ineligible for low-income conservation programs, have difficulty paying their electricity bills, and who cannot make energy efficiency upgrades without financial assistance.

Ontario

Rural or Remote Rate Protection – Broadening Rate Protection

- Rural or Remote Rate Protection (RRRP) mitigates some of the high costs of electricity distribution in rural or remote areas of the Province. It is a legacy program of the old Ontario Hydro and has existed in its current form since 2001.

Shifting RRRP Costs to the Tax-base

- Section 79 of the OEB Act is amended to provide the Ministry the authority to prescribe, through regulation, classes of consumers whose cost will be transferred from the rate-base to the tax-base.
- If the proposed legislative amendments are approved, the government intends to propose regulatory amendments that would prescribe Hydro One's R2 customers as receiving RRRP from appropriated funds effective July 1, 2017. This would fulfill the government's intention to transfer the majority of the costs of administering the RRRP program to the tax-base.

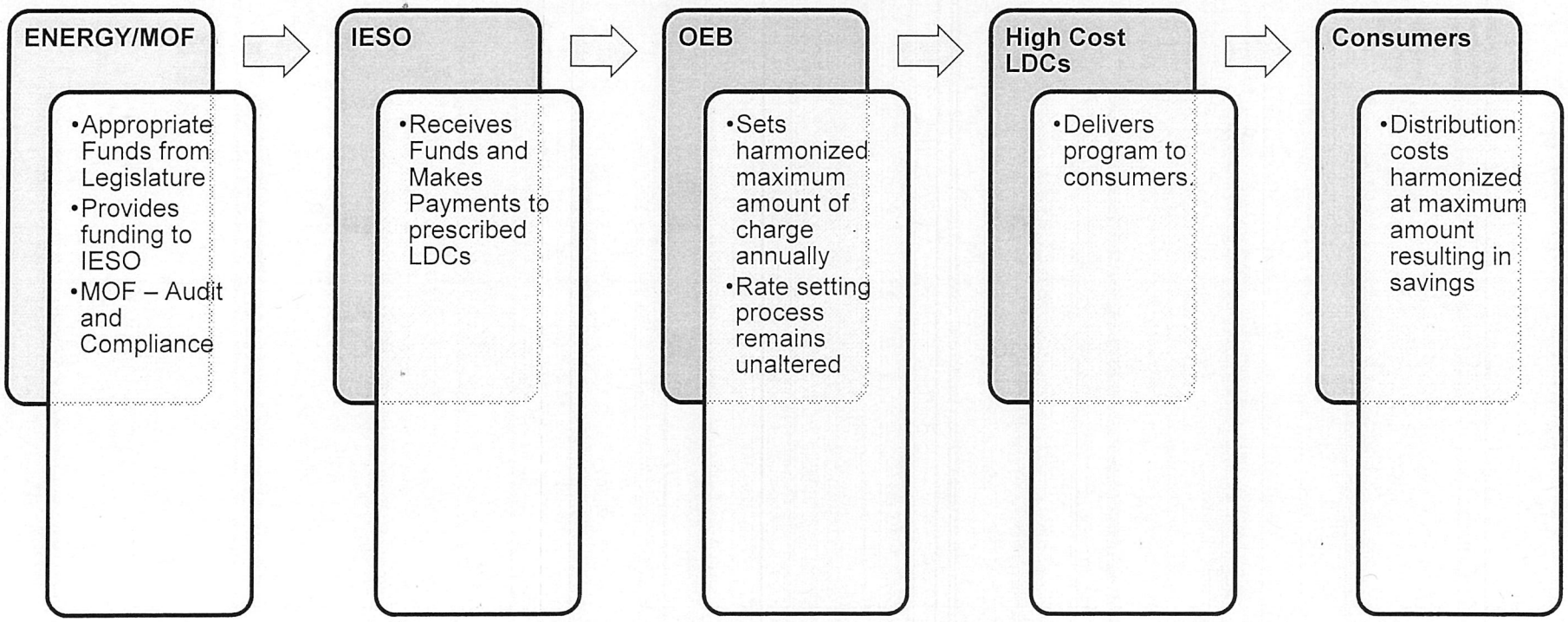
Broadened Distribution Rate Protection

- In addition, Energy is proposing legislative amendments that will broaden rate protection by creating a new distribution rate protection program to complement RRRP. This new program would be funded through appropriated funds and would provide significant benefits to prescribed residential customers.
- Distribution rate protection would be extended to eligible residential customers served by LDCs with the highest distribution costs. Roughly 800,000 customers would receive benefits from the broadened rate protection.
  - These LDCs are: Hydro One (R1 and R2 rate classes), Algoma Power, Atikokan Hydro, InnPower, Chapleau Public Utilities Commission, Sioux Lookout Hydro, Lakeland Power (Parry Sound service territory) and Northern Ontario Wires Inc.
- The legislative amendments would provide Cabinet with the authority to create regulations defining the program.

Broadening Distribution Rate Protection – Program Mechanics

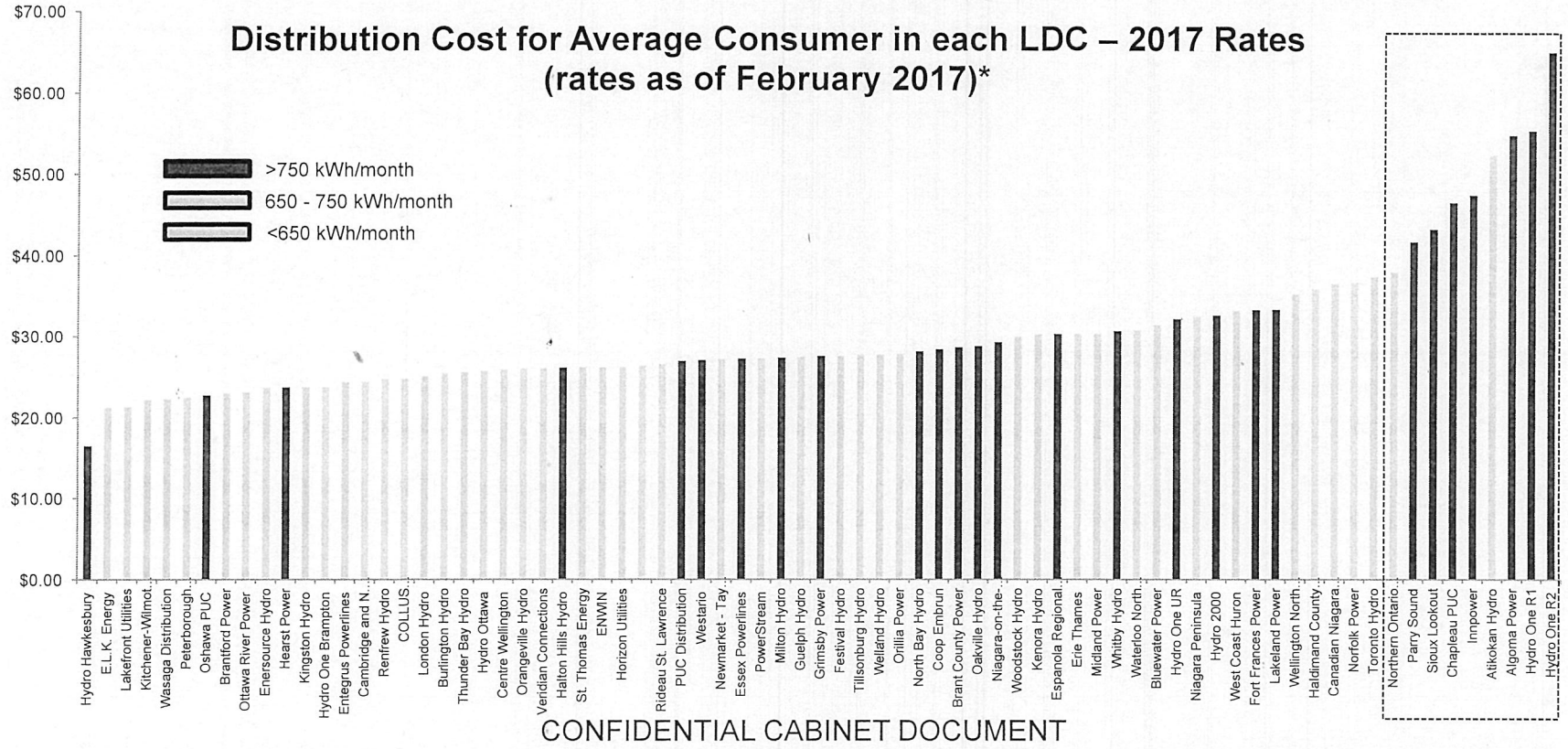
- Upon Royal Assent, Energy intends to propose regulations that would outline how the program mechanics would work.
- The maximum charge would not affect the role of the OEB in setting rates. Affected LDCs would still need to file rate applications with the OEB to assess whether or not their costs are reasonable.
- The difference between OEB-approved rates and the maximum monthly charge would be reimbursed to LDCs from the tax-base.

Roles and Responsibilities



Enhancing the Rural or Remote Protection Program (RRRP)

- The table below shows what 2017 distribution costs are projected to be for the average consumer within each LDC across the province, and highlights the highest-cost distribution rates.
- The charts on the following slides show what the benefits would be in each LDC if the fiscal plan was used to support harmonizing distribution costs for customers of the LDCs in the top ~1/8th of rate classes at $38/month.



CONFIDENTIAL CABINET DOCUMENT

**Rates may have changed due to OEB decisions.*

Ontario Electricity Support Program (OESP) – Overview

- The OESP is an income-tested, application based program that lowers electricity costs of the most vulnerable consumers by a rebate directly on bills. The OESP is currently funded by the rate base.
- OESP benefits vary by income level and family size, and there are two benefit scales that include:
  - The basic program credit ranged from $30/month to $50/month.
  - An enhanced credit that ranged from $45/month to $75/month for consumers that are either Indigenous, use electric heat or have certain medical devices.
- The OESP launched on January 1, 2016, and in just over a year:
  - Over 192,000 have been enrolled in the program representing 33% of the total targeted low-income population. Nearly 300,000 applications have been received.
  - As of March 1, 2017, over $60million in benefits have been provided to vulnerable consumers.
  - 172 intake agencies have been mobilized to assist low income consumers to apply for the OESP.
- The March 1, 2017 Cabinet Minute directed the Ministry to expand every benefit level of the OESP by 50%, move the program from a ratepayer funded program to a government funded program beginning in 2017 and pursuing additional measures to substantially increase take-up.







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Ontario

Ontario Electricity Support Program (OESP) (cont'd)

- On March 23, 2017, the OEB issued a Decision and Order to cancel the OESP charge on all customer bills on May 1 ($0.0011 per kilowatt-hour consumed), and begin using the variance account to continue financing the program (the net difference between the amount of OESP charge collected and the amount paid out)

- On April 11, 2017, amendments to the OESP regulation (O.Reg. 314/15) were filed. These amendments include expanding the credits amounts by 50% and introducing new eligibility categories so that more Ontarians are eligible for the program.
  - The proposed legislative change will allow the OESP to be funded from the tax base once the variance account is depleted, and provide Ministry of Finance with audit capabilities to ensure funds are spent as they were intended.

- The legislative change will also provide the necessary authority for the Ministry of Community and Social Services (MCSS) and the OEB to align OESP program delivery with other social assistance programs and help increase program uptake.
  - ENERGY is working with MCSS to enable automatic entitlement for Ontario Works (OW) and Ontario Disability Support Program (ODSP) participants to receive OESP.
  - ENERGY and the OEB are also working with the Canada Revenue Agency (CRA) to eliminate the CRA requirement for "wet signatures" on OESP application forms to streamline the application process.

Ontario

Ontario Electricity Support Program (OESP) (cont'd)

- The amendments to the OESP regulation (O.Reg. 314/15) are reflected below. Increases in credit amounts are in red, and the new eligibility categories are circled. These changes come into effect on May 1, 2017.

Existing OESP Benefit Scales

Sliding Scale #1		Household Size						
		1	2	3	4	5	6	7 +
Income Bracket	< $28,000	$30	$30	$34	$38	$42	$50	$50
	$28,001 - $39,000	-	-	$30	$34	$38	$42	$50
	$39,001 - $48,000	-	-	-	-	$30	$34	$38
	$48,001 - $52,000	-	-	-	-	-	-	$30

Sliding Scale #2		Household Size						
		1	2	3	4	5	6	7 +
Income Bracket	< $28,000	$45	$45	$50	$55	$60	$75	$75
	$28,001 - $39,000	-	-	$45	$50	$55	$60	$75
	$39,001 - $48,000	-	-	-	-	$45	$50	$55
	$48,001 - $52,000	-	-	-	-	-	-	$45

New Credit Amounts and Eligible Households

Sliding Scale #1		Household Size						
		1	2	3	4	5	6	7 +
Income Bracket	< $28,000	$45	$45	$51	$57	$63	$75	$75
	$28,001 - $39,000	-	$40	$45	$51	$57	$63	$75
	$39,001 - $48,000	-	-	$35	$40	$45	$51	$57
	$48,001 - $52,000	-	-	-	-	$35	$40	$45

Sliding Scale #2		Household Size						
		1	2	3	4	5	6	7 +
Income Bracket	< $28,000	$68	$68	$75	$83	$90	$113	$113
	$28,001 - $39,000	-	$60	$68	$75	$83	$90	$113
	$39,001 - $48,000	-	-	$52	$60	$68	$75	$83
	$48,001 - $52,000	-	-	-	-	$52	$60	$68

Ontario

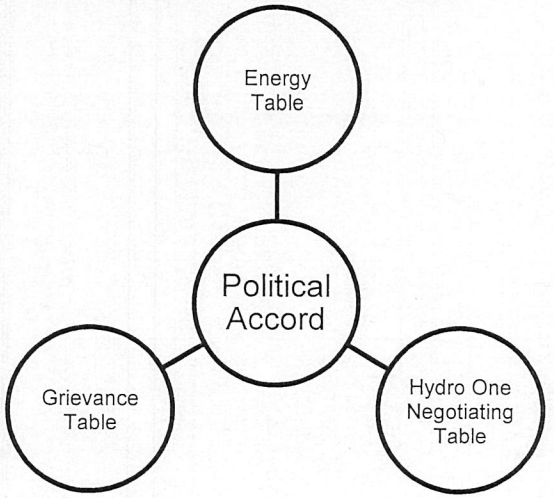
Economic Conditions on Reserve

- On-reserve First Nations customers face unique challenges that impact electricity affordability, such as the poor quality of the housing stock on-reserve. These challenges result in significantly higher electricity consumption levels and costs.
- First Nations living on reserve are particularly vulnerable low-income consumers: the average income is considerably lower compared to First Nations living off reserve and compared to non-Indigenous populations:
  - Average income of First Nations on reserve in Ontario: $21,100;
  - Average income of First Nations off reserve in Ontario: $31,527;
  - Average income of Non-Indigenous people in Ontario: $42,506; and
  - Median incomes on smaller reserves can fall below $10,000 (e.g., Cat Lake FN).
- Employment rates also differ between on-reserve First Nations, off-reserve First Nations and Non-Indigenous individuals, as well as other indices of social vulnerability:
  - 54% of Indigenous people over 15 years old and living on-reserve in Ontario are unemployed or not in the labour force;
  - The on-reserve unemployment rate is 18.3% compared to 6.4% in Ontario generally; and
  - 67% of families residing on-reserve are single parent families, compared to the Canadian equivalent of 19%.
- First Nations are seeking redress for historic grievances related to lands affected by energy developments, such as transmission or distribution infrastructure built on reserve lands and traditional territories where, in some cases, they may not have been appropriately consulted.
- Further, in some circumstances, linear infrastructure corridors cut First Nation reserves in half, significantly disturbing the use and management of an already small land base; the First Nation communities disturbed by the energy infrastructure report having experienced long wait times (e.g., 20 years) for their communities to get connected and receive the benefits of the energy derived from the local infrastructure.

Delivery Credit for On-Reserve Consumers – Overview

- On June 27, 2016, following discussions on Hydro One shares and rates at the Chiefs of Ontario's (COO's) All Chiefs Conference, the Minister of Energy issued a letter directing the OEB to prepare a report providing "advice on options for an appropriate electricity rate (or rate assistance) for on-reserve First Nations electricity consumers".

- On-Reserve First Nations customers experience challenges with energy affordability and are seeking to address historical grievances associated with electricity system infrastructure.



- On December 29, 2016, the OEB provided a report to the Minister which recommended:
  - Elimination of the delivery charge for all on-reserve First Nations residential customers served by licensed distributors, and elimination of the monthly service charge for customers of licensed distributors which charge a bundled rate (no specific delivery charge);
  - Automatically qualify on-reserve First Nations residential customers (~21,500 customers);
  - Continue to provide assistance through OESP and LEAP to eligible on-reserve First Nations customers;
  - The OEB suggested the program should be funded from the tax base as it is targeted to a particular segment of the provincial population.

- On March 1, 2017, Cabinet gave approval to establish "*a new province-wide government funded program beginning in 2017 that would eliminate the delivery charge for First Nations customers on reserve.*"

Ontario

Delivery Credit On-Reserve

- In the spirit of the political accord between the Chiefs of Ontario (COO) and the Province, the government is moving forward with legislation to enable an "On-Reserve" delivery credit.

- The new program would be implemented by amending the Ontario Energy Board Act, 1998 with a new section that would provide:
  - All prescribed on-reserve consumers, the entirety of their delivery line items would be credited.
  - It also provides that for consumers who are served by a distributor that does not have a delivery line item, the monthly service charge or similar charge would be credited (a very few distributors that serve on-reserve customers, such as remote communities, do not have a delivery line item).

- The program would be entirely funded through the tax base.

- The section includes the power to make regulations prescribing further program eligibility details such as:
  - The class of customers eligible (residential full-time, residential seasonal, band offices, commercial, etc.);
  - Whether on-reserve customers who are not status would be eligible, or whether eligibility would be restricted to status individuals only, and the method for determining status, if required;
  - Determining what is considered on-reserve; and
  - Determining the method of calculating the delivery credit.

- Specifics around eligibility, including whether non-status individuals and customers that are not residential are eligible are still subject to ongoing discussion between ENERGY and COO.

Distributor	Number of On-Reserve Residential Customers
Algoma Power Inc.	473
Attawapiskat Power Corporation	336
Bluewater Power Distribution Corporation	237
Cat Lake Power Utility Ltd.	80
Cornwall Electric Distribution	514
Hydro One Networks Inc.	16,679
Hydro One Remote Communities Inc.	2,579
PUC Distribution Inc. (Sault Ste. Marie)	264
Thunder Bay Hydro Electricity Distribution	332
Total Number of Customers	**21,494**

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Social Programs – Funding Processes

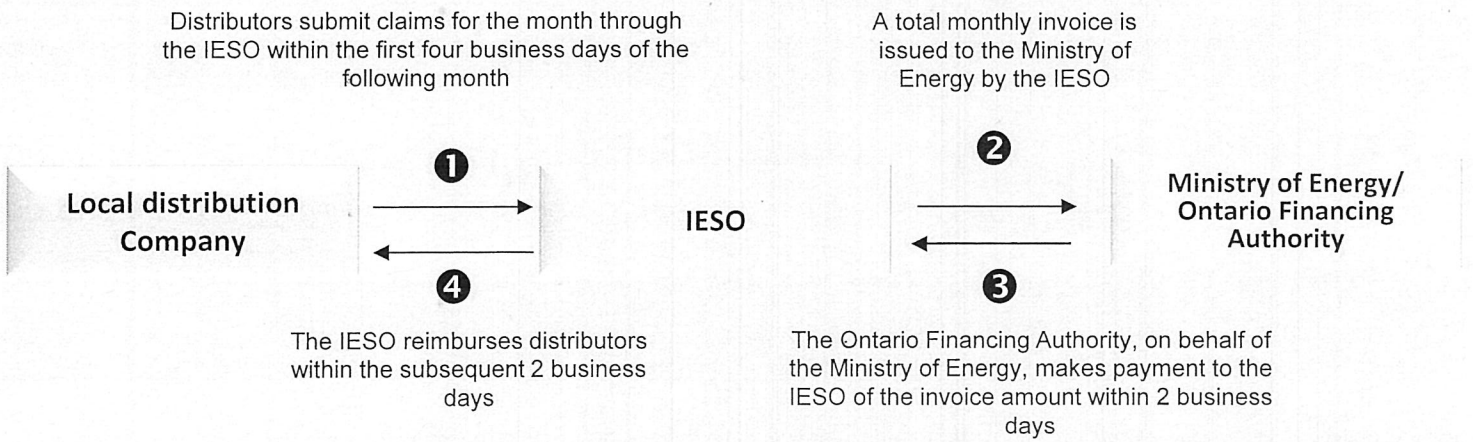
- As social programs are moved to the tax-base, LDCs are reimbursed for credits provided to customers by IESO, which is subsequently reimbursed by ENERGY. This is the same procedure followed for the reimbursement of the 8% Provincial Rebate under the *Ontario Rebate for Electricity Consumers Act, 2016* (ORECA).
- The proposed legislation includes provisions that establish the funding frameworks for these programs that mirror ORECA. These procedures would be further developed through regulation.

Ministry of Finance

- The Fair Hydro Plan Act includes several provisions granting the Ministry of Finance oversight and accountability functions to oversee the flow through of tax-payer money. These include; provisions requiring information to be shared with MOF, enhanced record keeping obligations on parties receiving funds, MOF audit and inspection powers, and offences for being non-compliant.

Independent Electricity System Operator

- The IESO is responsible for receiving payments from the Minister of Energy and compensating distributors for the lost revenue as a result of delivering the program. Each LDC will require a program specific variance account where the balances will be tracked by IESO.
- The IESO will then make payments to distributors from the money appropriated from the legislature in accordance with the outstanding balances identified in the variance accounts.



Ontario

Social Programs and OREC – Budget

- As approved in the TB/MBC submission of Mach 1st, 2017 and confirmed in Vote-Item 2905-1, the financial impacts of the social programs for the period July 1 2017- March 31 2018 are as follows:

Program	2017-18 Budget
Ontario Rebate for Electricity Consumers	$939,000,000
Rural or Remote Rate Protection	$344,000,000
Ontario Electricity Support Program	$140,000,000
On-Reserve First Nations Delivery Credit	$15,000,000
Total	**$1,438,000,000**

- The IESO manages a variance account for the OESP, which holds the difference between the amount of OESP charge collected from the rate base, and the amount of OESP paid out in the form of credits. The amount in the variance account is about $120 million as of March 1, 2017.
- These funds will be used to fund the OESP program until the variance account is depleted, at which point the transfer payment line will be used to finance the program costs.
- ENERGY will return with updated out-year figures as part of the 2018-19 PRRT process.

Ontario

Affordability Fund

- On March 2, 2017, the government announced the establishment of an Affordability Fund as part of its Fair Hydro Plan.
  - Electricity distributors and other stakeholders had indicated to the government that there is an immediate need to help customers in bill arrears and facing service disconnection.
- The Affordability Fund will provide energy efficiency measures to electricity customers who are not eligible for existing low-income conservation programs, and who are otherwise unable to make energy efficiency improvements without financial assistance.
- ENERGY worked with Hydro One to establish an independent Trust to administer the Fund. A centralized delivery model through a Trust was established to ensure independent oversight of funds and to facilitate efficient distribution of funds to electricity distributors.
  - The 'Affordability Fund Trust' was established on March 23, 2017, when the Original Trustee signed a Declaration of Trust ('Trust Deed'). The Original Trustee is Computershare, a professional Trustee company which partners with some of the largest public and private organizations in Canada and globally.
  - On March 24, 2017, ENERGY entered into a Transfer Payment Agreement with the Original Trustee to flow $100 million in fiscal year 2016/17 to the Affordability Fund Trust.
  - The Original Trustee will be replaced by a Board of Trustees, based on the recommendations of an Advisory Committee established by ENERGY, by the end of May. The Board of Trustees will be responsible for administering the Fund, including distributing funds to electricity distributors across the province based on an application process and targeted eligibility criteria. Trustees will include representatives from three electricity distributors and two social service agencies, as well as one non-voting government representative.
  - It is expected that electricity distributors will be able to start applying for funds in Summer 2017.

Ontario

COMMUNICATIONS

Ontario

Communications

Communications Objective:

- Raise awareness about Ontario's commitment to lower electricity costs for ratepayers through the rollout of Ontario's Fair Hydro Plan (OFHP) initiatives.

Strategic Approach:

- Use introduction of legislation milestone to continue increasing awareness of the OFHP and how its measures would lower electricity rates across the province.
- Raise awareness, province wide, using earned, owned, shared and purchased media.
- Support LDCs with a comprehensive communications package.
- Leverage LDC, agency and partner channels.
- Prepare reactive materials will include updated Q&As, key messages and issues management plan.

Audiences:

- All electricity consumers in Ontario.
- Consumer subgroups: residential households, low-income households, small and medium sized businesses, farms and Indigenous communities.

Ontario

Communications (cont'd)

Key Messages:

- *Ontario's Fair Hydro Plan proposes new measures to lower electricity bills by 25 per cent on average for all residential households and as many as half a million small businesses and farms. This builds on the previously announced 8 per cent rebate.*

- *Rates increases held to inflation for four years.*

- *Lower-income Ontarians and those living in eligible rural communities would receive even greater reductions, as much as a 40 to 50 per cent cut.*

- *These measures include the eight per cent rebate introduced in January and build on previously announced initiatives to deliver broad-based rate relief on all electricity bills.*

- *This is the largest reduction to electricity rates in Ontario's history.*

Ontario

Communications (cont'd)

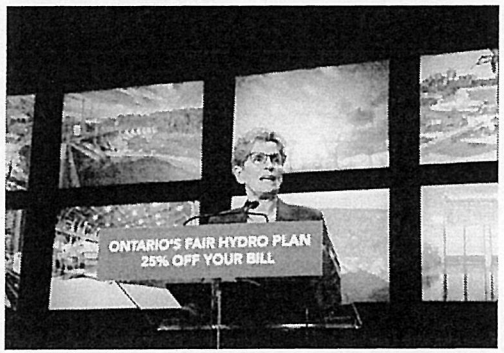
Communications – Tactical Approach

	April/May 2017	May/June 2017	June 2017 to Fall
Regional Rollout Examples: • MPP Template • Speeches • Media event • Op-ed, media pitch • Editorial board meeting	• MPP echo announcements • Minister speaking engagements (ongoing)	• MPP echo announcements • Minister speaking engagements (ongoing)	• Ministry and MPP echo news releases/announcements/Backgrounders/Key messages/ QA (dependent on relevant legislations and/or regulation passage)
Earned Examples: • News release, etc. • Remarks • Event • Calls/emails to targeted audiences • Multilingual media • Fact sheets • House Statement	• Preconditioned earned media: examples of innovative technology success stories • LDC Toolkit development (FAQs, matte stories, digital assets)	• Introduction of legislation May 11th • News release • House statement • QAs • Targeted media outreach • Deliver toolkit to LDCs	• Pitch and disseminate matte materials to community and multi-cultural channels
Digital / Social Examples: • Web content • Twitter/Facebook • Keyword / interactive web • Blogger outreach • Videos	• Web and social media content development (ongoing)	• Updated web and social media content (aligned with TV creative)	• Next phase of digital campaign • Develop sharable content with focus on bill savings
Paid *(must include budget)* Examples: • TV/radio/newspaper • Online banners/ads • Advertorial • Householder/direct mail	• Radio ads • Digital banner ads	• Prepare next wave ads – TV, digital, community channels	• TV ads (timing July)
Shared **Examples:** - Agency and utility inserts, websites, collateral social accounts etc. - Third party agreements	• Develop and share materials to support LDCs	• Bill inserts • Leverage and support agency comms (OEB, IESO) • Chambers of Commerce events	• LDC communications with customers • Bill inserts, digital content, brochureware • Canadian Manufacturers Association opportunities

Ontario

Ontario's Fair Hydro Plan Rollout To Date

- Since launch in early March, Government has undertaken extensive province-wide rollout and promotion of OFHP.
- The Premier's Speech on March 2, 2017 has been followed by 13 echo announcements in communities across Ontario.













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Ontario

Media Coverage of OFHP

"Alectra Utilities' customers could see a 27 per cent cut in their electricity costs by the summer under a proposed strategy announced by the Ontario government that promotes a 25 per cent reduction in hydro bills."
HamiltonNews.com
May 8, 2017

HamiltonNews.com

"Reducing hydro bills the fair way forward: Wynne"
Toronto Star, March 7, 2017

TORONTO STAR

"Durham households and small businesses should expect lower hydro bills"
Oshawa This Week, April 12, 2017

DurhamRegion.com

"Minister visits Orillia to outline hydro plan"
Orilia Packet and Times,
March 24, 2017

orilliapacket.com

Ontario

OFHP Advertising Phase I – Radio and Digital

- Radio campaign launched March 13th for four weeks, and was extremely successful, with 6,112,608 impressions (based on adults age 25-54) in 89 local markets across Ontario.
- Social and digital ads ran province-wide in English and French with an estimated 10,054,309 impressions.
- Multi-cultural radio followed starting March 20th for three weeks in 19 languages.



Ontario

OFHP Advertising Phase II – TV, Print, Digital

- Phase II is expected to launch early July 2017 with an integrated television advertising campaign supported by radio, print, digital and social media.

- A "slice of life" commercial is in development featuring Ontario's Fair Hydro Plan and how it helps people in their everyday lives.



Electricity Bill Inserts

- The Ministry of Energy is asking electricity utilities to include inserts on the OFHP in bills, starting in June 2017.
- In addition, utilities will be required by regulation to include further OFHP inserts in bills once a quarter for one year.
- Below is a mockup of the potential June insert:



Ontario's Fair Hydro Plan

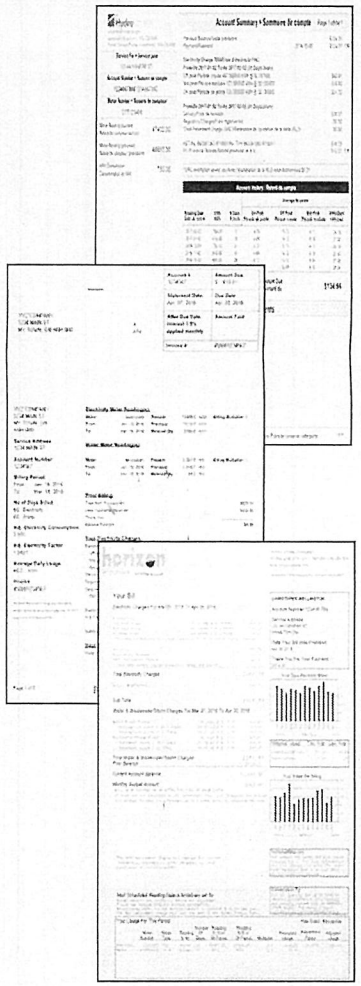
- Electricity bills would be lowered by 25 per cent on average for residential consumers
- Rates increases would be held to inflation for four years
- As many as half a million small businesses and farms would also benefit from this reduction
- Lower-income Ontarians and those living in eligible rural communities would receive even greater reductions, as much as a 40 to 50 per cent cut

The benefit would vary for individual consumers depending on electricity usage and service territory. These measures include the eight per cent rebate introduced in January 2017 and build on previous initiatives to deliver broad-based relief on all electricity bills.

To find out more, visit **Ontario.ca/FairHydroPlan**.

OFHP On-Bill Messaging – Authority Overview

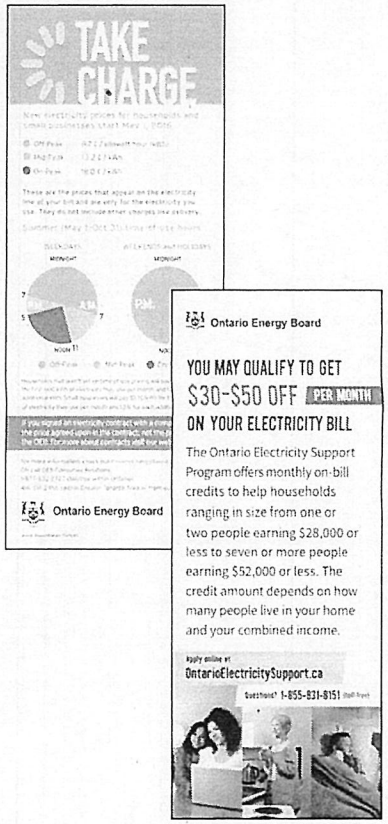
- In Ontario, most electricity customers receive bills for their consumption of electricity from their LDC.
- The government has the authority to stipulate requirements in relation to the form and content of electricity bills, including the ability to prescribe messaging related to government programs directly on bill invoices, inserts and envelopes.
- These requirements have been criticized as a patchwork of measures that limit the invoice's readability and usefulness to consumers. Customer advocates have called for more flexibility to design a more consumer-responsive invoice.
- The government obtains its authority to mandate specific content with respect to bills from the Ontario Energy Board Act, 1998, as well as a number of regulations, including:
  - **O. Reg. 275/04,** which requires bills to display specific line items, as well as a glossary of terms, consumption information and government messaging.
  - **O. Reg. 364/16,** which requires LDCs to include the 8% provincial rebate for consumers on bills, bill inserts and envelopes.
  - **O. Reg. 429/04,** which requires the GA to be disclosed on electricity bills for specified customers.
- The OEB has also established policies related to bill frequency and accuracy, which LDCs are required to follow.
- Hydro bill appearance varies widely across Ontario's approximately 70 LDCs.



OFHP On-Bill Messaging – Near Term Messaging

- To ensure LDCs can provide Ontario Fair Hydro Plan programs on-time, only minimal near-term messaging is possible.
- In the upcoming months, LDCs will provide the following messaging updates:

Date	Bill Messaging
May 2017	• LDCs required to provide an OEB bill insert indicating changes to Time-of-Use (TOU) pricing.
June 2017	• LDCs, where willing, to issue OFHP bill inserts ahead of finalized OFHP regulations. • Ministry will work with LDCs to provide messaging, artwork and translation of the June bill inserts.
July 2017	• OFHP regulations will be introduced in June 2017, which will require that as of July 1, 2017 LDCs provide: 1. General invoice messaging to explain the existence of the Ontario Fair Hydro Plan. 2. Bill insert explaining OFHP programs in greater detail using prescribed language.



Sample: OEB May 2016
TOU Bill Insert

OFHP Bill Insert – Design Options

- While some LDCs may begin providing inserts in June, all LDCs will be required by regulation to provide inserts beginning in July.
- Unlike the proposed June 2017 bill insert, LDCs would be required to comply with this second bill insert as per regulation.



Ontario's Fair Hydro Plan would lower electricity bills by 25 per cent, with rates also held to inflation for the next four years, for typical residential consumers. As many as half a million small businesses and farms would also benefit under the Plan. The benefit would vary for individual consumers depending on consumption and service territory. Lower-income Ontarians and those living in eligible rural communities would receive even greater reductions, as much as a 40 to 50 per cent cut. These measures include the eight per cent rebate introduced in January and builds on previous initiatives to deliver broad-based relief on all electricity bills.

To find out more, visit **Ontario.ca/FairHydroPlan.**

Ontario

ONTARIO'S
FAIR HYDRO PLAN

Bringing electricity prices down

Ontario's Fair Hydro Plan would lower electricity bills by 25 per cent, with rates also held to inflation for the next four years, for typical residential consumers. As many as half a million small businesses and farms would also benefit under the Plan. The benefit would vary for individual consumers depending on consumption and service territory. Lower-income Ontarians and those living in eligible rural communities would receive even greater reductions, as much as a 40 to 50 per cent cut. These measures include the eight per cent rebate introduced in January and builds on previous initiatives to deliver broad-based relief on all electricity bills.

To find out more, visit **Ontario.ca/FairHydroPlan.**

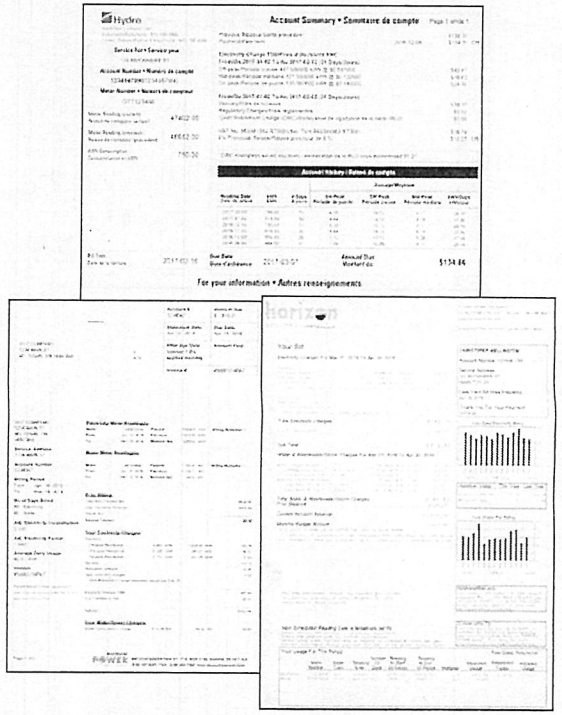
Ontario

Note: Graphic treatments are for discussion only

Ontario

Long-Term Messaging Improvements

- The Ministry believes there is opportunity for a consultation on the design of the bill, with a goal to refresh the regulatory framework to improve the value of the bill to the consumer across all LDCs.
  - Changes of this nature will require more in-depth consultation with LDCs, as well as broader regulatory amendments to simplify the requirements, necessitating a longer period to implement.
  - This refresh would also include opportunities to communicate OFHP savings in a more personalized and comprehensive manner.
- The Ministry proposes to convene with LDCs in July, once they've had sufficient time to make the backend changes necessary to implement the OFHP initiatives and general OFHP messaging, to discuss the changes they would like to see to bill presentment. We would also seek their feedback on how to improve the associated regulations.
- Consultation will also involve consumers, consumer advocates and other interested parties.
- Based on this feedback, the Ministry would aim to introduce regulatory amendments to simplify bill presentment in the Fall 2017.



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Ontario

OFHP On-Bill Messaging – Proposed Timeline

- The Ministry believes there is opportunity for redesign of the electricity bill this summer, with a goal to refresh the regulatory framework to improve the value of the bill to the consumer across all LDCs.

June 2017
OFHP Bill Inserts

- LDCs to voluntarily issue OFHP bill inserts in late June ahead of finalized OFHP regulations.
- ENERGY to provide LDCs with sample bill insert messaging, artwork and translation (possibly hard copies).

July 1, 2017
OFHP Required Messaging

- OFHP legislation and regulations to be introduced in June 2017, require LDCs to complete the following by July 1, 2017:

1. issue a second OFHP bill insert with prescribed messaging;
2. include standardized on-bill messaging; and
3. remove outdated line items and messaging (e.g., 8% provincial rebate).

July-Aug. 2017
RAP Consultations

- ENERGY to convene with LDCs in July once OFHP initiatives have been implemented.
- ENERGY would seek feedback from LDCs on the changes they would like to see to bill presentment.
- Consultations would also involve consumer advocates and other interested parties.

Fall/Winter 2017
RAP Regulatory Amendments

- ENERGY would aim to introduce regulatory amendments to simplify bill presentment in Fall 2017.

Fall/Winter 2017
Implementation

- Regulatory amendments to become effective no later than January 1, 2018.

Ontario

Cabinet Minute

1. Cabinet approved the proposed *Fair Hydro Act, 2017* for introduction, subject to the following:

    i. The Office of Legislative Counsel is authorized to prepare a French version and to make minor adjustments to the English version, for the purpose of ensuring consistency between the two versions and making other improvements or correcting mistakes discovered in the translation process.

2. ENERGY to report back, pending Royal Assent, with regulation and associated regulatory amendments for approval.

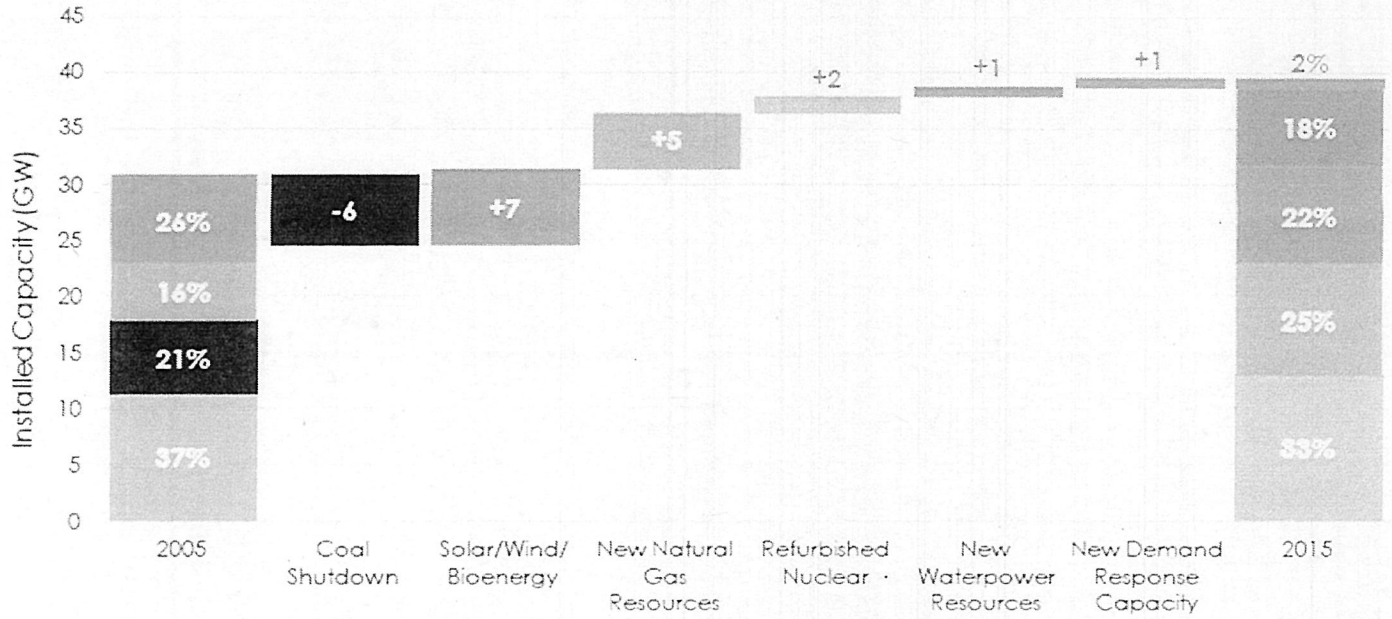
3. ENERGY work with Cabinet Office and Premier's office to develop a communications plan.

Ontario

Appendix

Infrastructure Investments

- Electricity costs are increasing as the necessary investments are made to decarbonize and modernize the province's electricity infrastructure. Since 2005, Ontario has invested more than $50 billion in generation, transmission and distribution assets to ensure the system is clean and reliable.



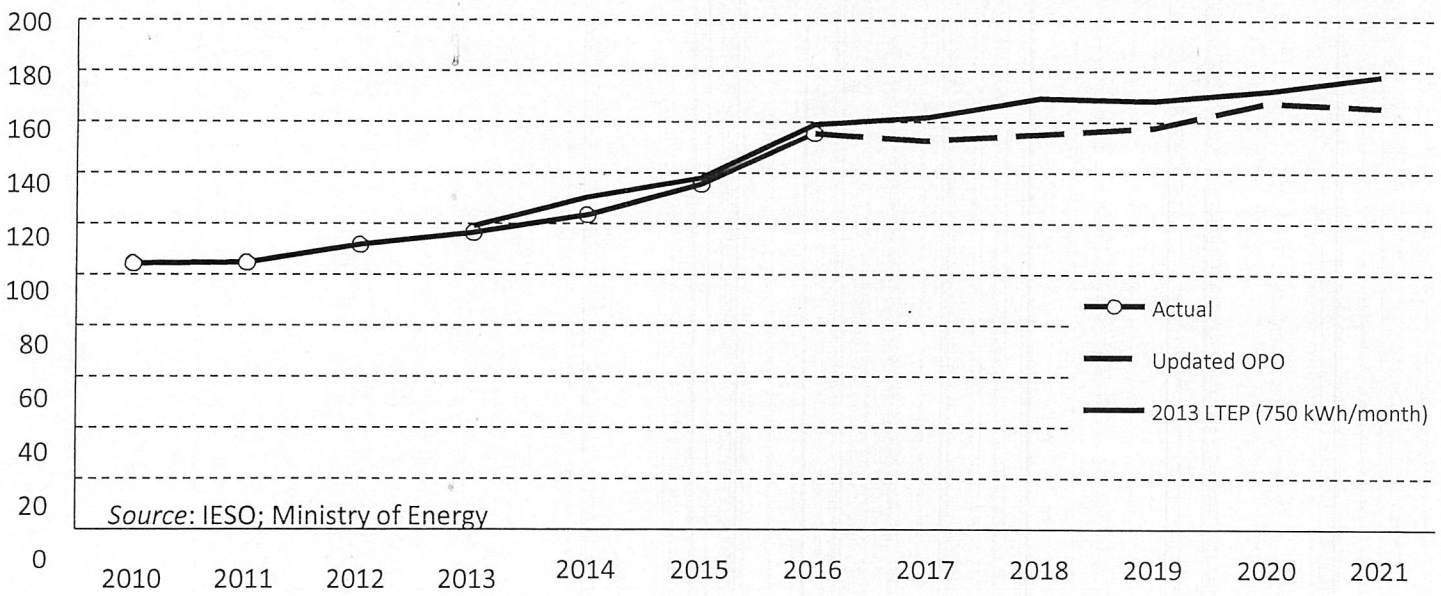
Source: IESO Ontario Planning Outlook

Electricity Prices Infrastructure Investments

- Electricity price increases have generally outpaced inflation. There have been several government policies that have impacted electricity prices over the past several years, including: HST, the Industrial Conservation Initiative (ICI), the Ontario Clean Energy Benefit (OCEB) and the Debt Retirement Charge (DRC).

- Following the 2016 Throne Speech, a number of actions were announced to further reduce electricity costs including an 8% electricity bill rebate for residential consumers.

Illustrative Typical Residential Electricity Bills
Historical and Forecast in $/month



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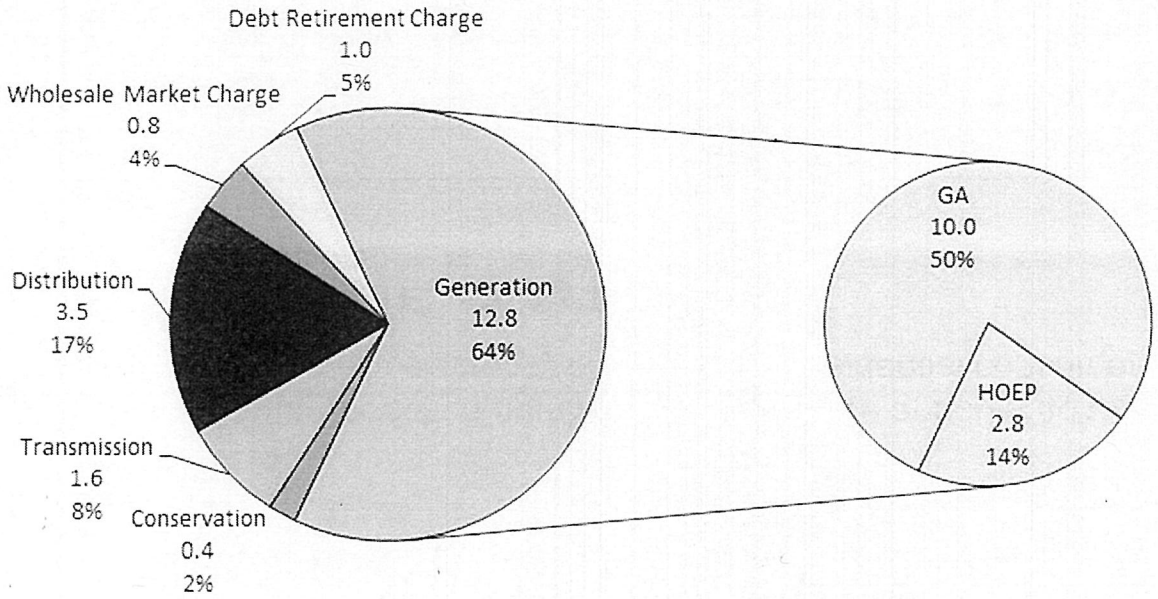
Global Adjustment

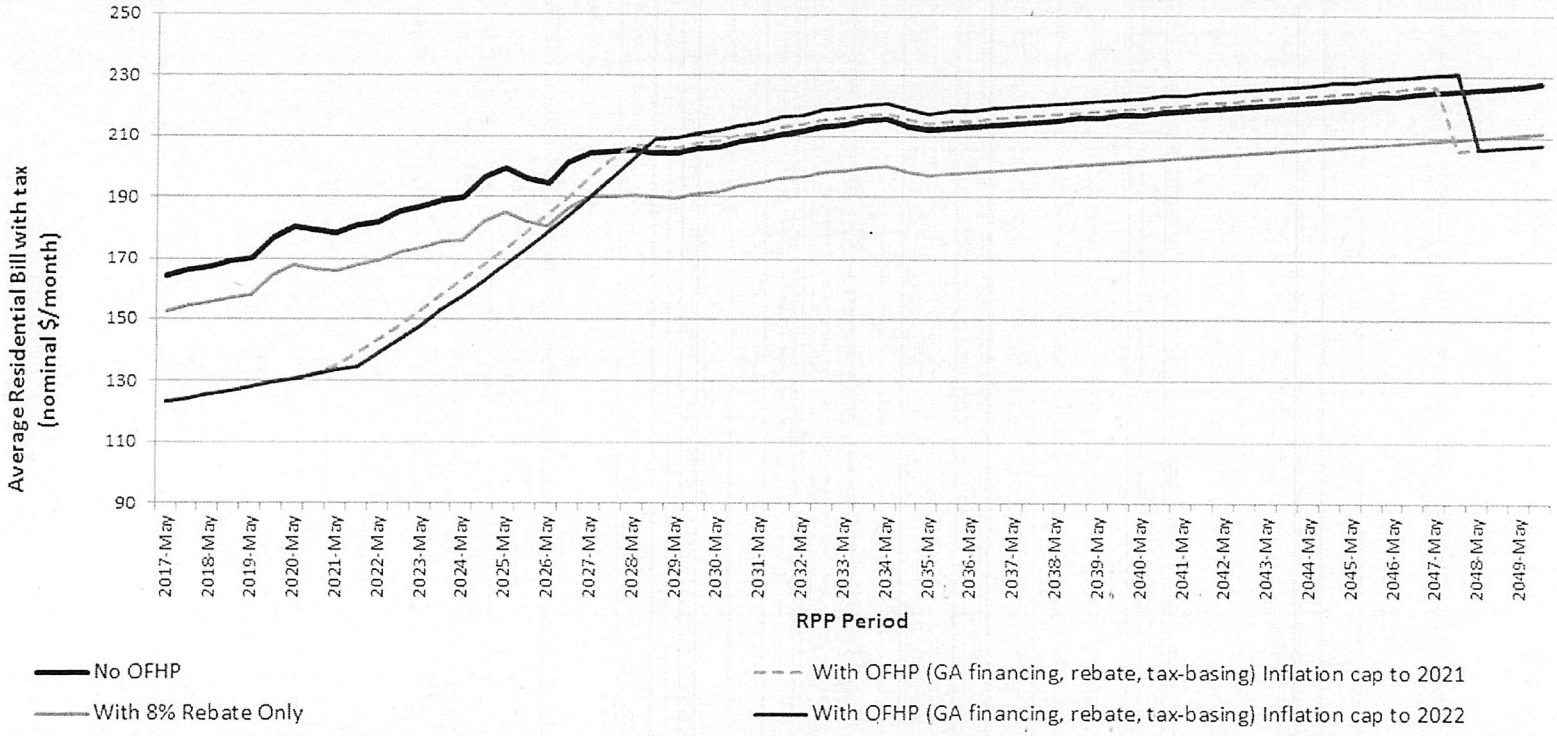
- In 2015, generation accounted for 64% of total electricity system costs. Total system costs in 2015 were $20 billion.

2015 Electricity System Cost
$ billion



***Source*:** IESO

GA Smoothing for RPP-Eligible Only (Borrow $2.5 billion in 2017, Residential Bills Lowered 25%)



	2017	2018	2019	2020	2021	2022	2023	2024	2025	2026	2027	2028	2029	2030	2031	2032	2033	2034	2035	2036	2037	2038	2039	2040	2041	2042	2043	2044	2045	2046	2047	2048
Average monthly bill with OFHP ($/month)	124	126	129	131	137	146	155	165	176	187	199	207	207	209	212	214	216	216	214	215	216	217	219	220	221	222	223	224	225	226	216	206
Year-over-year change (%)	n/a	2.01	2.01	2.01	4.25	6.44	6.44	6.44	6.44	6.44	6.44	3.61	0.08	1.20	1.29	1.14	0.93	-0.04	-0.88	0.49	0.49	0.49	0.49	0.49	0.49	0.49	0.49	0.49	0.49	0.49	-4.37	-4.61
Impact of GA financing and tax-basing ($/month)	-29.9	-30.0	-35.0	-34.4	-28.8	-24.0	-17.8	-14.2	-3.3	3.4	12.2	16.4	16.5	16.7	16.9	17.1	17.2	17.1	17.0	17.1	17.2	17.3	17.4	17.5	17.6	17.6	17.7	17.8	17.9	18.0	-3.9	-4.0
Total accumulated debt ($B)	2.5	5.2	8.2	11.6	14.7	17.5	19.9	22.0	23.5	24.1	24.2	23.7	23.1	22.5	21.8	21.0	20.1	19.2	18.3	17.2	16.1	14.9	13.7	12.3	10.9	9.3	7.7	5.9	4.1	2.1	0.0	0.0
Total change in accumulated debt ($B)	2.5	2.6	3.0	3.5	3.1	2.8	2.4	2.0	1.6	0.6	0.1	-0.5	-0.6	-0.6	-0.7	-0.8	-0.8	-0.9	-1.0	-1.0	-1.1	-1.2	-1.3	-1.4	-1.4	-1.5	-1.6	-1.7	-1.9	-2.0	-2.1	0.0

Notes: Assumes 30 year financing period and a nominal interest rate of 5% (compounded monthly). Ratepayer GA payments increase annually beyond 2020 such that the average monthly residential electricity bill increases by 6.3% per year to a maximum of $2.2 billion above the true cost of GA in any given year to cap repayment charges at around 10% of total bill. IESO forecast is based on IESO's revised OPO forecast as of February 2017. Includes the cancellation of LRP II and EFW, expansion of ICI. Does ~~not include smoothed OPG rates. Above residential bill is based on a 750 kWh~~ per month Toronto Hydro customer. Data shown above is by RPP period. Assumes RPP prices are adjusted in July 2021 instead of May 2021 to coincide with the end of the inflation cap. Fair allocation amounts subject to third party review.

Delivery and Distribution Charge – Background

- The **Delivery** line on a typical consumer bill is specific to a consumer's Local Distribution Company (LDCs) and accounts for roughly 25-35% of the total bill before taxes.
- Delivery covers the costs of getting electricity from generating stations across the province to homes and businesses and combines three cost components of the electricity sector into one line item charge:
  - **Transmission:** The costs of moving electricity across high voltage lines from generating stations to the distribution system. This cost is recovered through a variable charge that is approved by the OEB.
  - **Distribution:** The costs of moving electricity from the transmission system to homes and businesses. Depending on the LDC, distribution costs makes up about 60% to 80% of the Delivery line.
    - This cost is currently recovered through both a variable charge and fixed charge, approved by the OEB. Distribution rates are moving to a fully-fixed charge over next 5 years.
  - **Line Loss:** The costs to recover electricity that is lost as heat when its delivered over a power line. Each LDC is assigned by the OEB a specific line-loss adjustment factor to reflect their loses particular to their assets. This factor is multiplied against the monthly electricity cost to determine the monthly cost.

SAMPLE MONTHLY BILL STATEMENT

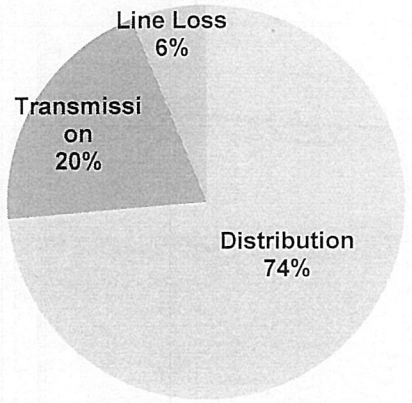
Anytown Hydro-Electric Limited

Account Number:
000 000 000 000 0000

Meter Number:
00000000

Your Electricity Charges	
Electricity	
Off-Peak @ 8.700 ¢/kWh	41.20
Mid-Peak @ 13.200 ¢/kWh	16.35
On-Peak @ 18.00 ¢/kWh	23.60
Delivery	53.07
Regulatory Charges	4.79
Debt Retirement Charge	0.00
Total Electricity Charges	**$139.00**
HST	18.07
8% Provincial Rebate	(11.12)
Total Amount	**$145.95**

Cost breakdown of Delivery Line for an Average Residential Bill*



* Toronto Hydro Bill @ 750kWhs

Ontario

Appendix: See Ministry of Energy's Implementation of Ontario's Fair Plan – Appendix

Ontario

Implementation of Ontario's Fair Hydro Plan – Appendix

Ministry of Energy

May 10, 2017

KPMG Memo

Ontario

FINAL DRAFT

KPMG Letter to the Independent Electricity System Operator

An Accounting Opinion on the Application of PSAS to the Consolidation of a Trust and to the Recognition and Derecognition of a Variance Account in Relation to the Proposed *Ontario Fair Hydro Plan Act. 2017*

This letter has been prepared in draft form and will be updated upon receipt of the adopted legislation (including the amendments of the Electricity Act and the OEB Act) and finalized financial structure (including the bylaws and regulations of the OPG Trust) and other relevant agreements necessary for us to provide our final opinion, of which legislation and other relevant agreements are expected to be enacted/ finalized on or before September 30, 2017

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NOTICE OF NON RELIANCE

This Notice is regarding the accompanying Letter to provide an accounting opinion on the application of Public Sector Accounting Standards to the consolidation of a trust and to the recognition and derecognition of a variance account in relation to the proposed *Ontario Fair Hydro Plan Act, 2017* (the "**Letter**") prepared by KPMG LLP for the Independent Electricity System Operator ("Client")

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Yours very truly,

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May 4, 2017

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The Board of Directors

Dear Sirs,

We have been engaged to provide you with an accounting opinion on the application of Public Sector Accounting Standards to the consolidation of a trust and to the recognition and derecognition of a variance account in relation to the proposed *Ontario Fair Hydro Plan Act, 2017* ("the proposed Act") (Appendix A, Version 6, to this letter). This letter is being issued to the Independent Electricity System Operator ("IESO" or the "Company") in connection with its evaluation of the consolidation requirements and the accounting for the variance account under Canadian Public Sector Accounting Standards ("PSAS"). Our engagement has been conducted in accordance with generally accepted standards in Canada for such engagements.

The ultimate responsibility for the decision on the appropriate application of PSAS for the specific issues described below rests with management of the Company as preparers of the financial statements.

The adoption of the proposed Act (including the subsequent amendments of the Electricity Act, 1998 ("the Electricity Act") and the Ontario Energy Board ("OEB" or the "Board") Act ("the OEB Act")), and the finalization of the financing structure (including the bylaws and regulations of the OPG Trust) and other agreements will take several weeks. Accordingly, our judgment on the appropriate application of PSAS for the specific matters described below is based on the facts, circumstances and assumptions provided to us. The finalization of the legislation, regulations, financing structure and other agreements may impact the comments and conclusions set out herein. Our comments and conclusions are based on the proposed Act and related matters as they exist at the date of this letter.

The following three issues are addressed in this letter:

Issue #1: Can the IESO recognize a regulatory asset related to the variance account created by the proposed Act?

Issue #2: Is the trust to be established by Ontario Power Generation (the "OPG Trust") controlled by the IESO according to the guidance issued under PSAS 1300 *Government Reporting Entity* and therefore subject to consolidation by IESO?

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Issue #3: What is the accounting treatment for derecognition of the regulatory asset by the IESO upon transfer of the variance account to the OPG Trust?

Background for issue #1

The facts, circumstances, and assumptions relevant to the specific transactions as provided to us by the management of the Company (responsible party) are as follows:

1. The IESO's legal status is a not-for-profit, non-taxable, corporation established pursuant to Part II of the Electricity Act. Management of the IESO has determined that the Company is an Other Governmental Organization and accordingly prepares its financial statements in accordance with PSAS.

2. IESO is rate regulated by the OEB in accordance with the Electricity Act and the OEB Act.

3. *Extract from the 2016 IESO financial statements, note 3 New Accounting Policies,* audited by KPMG "As of January 1, 2016, the IESO changed its accounting policy regarding the recognition of assets and liabilities subject to rate regulation. The change was made to better reflect the economic substance of certain types of expenses that may not be directly recovered through the normal revenue requirement model. This change has been applied retroactively and has increased amounts previously unrecorded for regulatory assets and decreased amounts previously reported for accumulated deficit."

4. *Extract from the 2016 IESO financial statements, note 2(d) Summary of Significant Accounting Policies, Regulatory assets and liabilities.* "As a rate-regulated entity, the IESO, in appropriate circumstances establishes regulated assets or liabilities and thereby defers the impact on the statement of operations of certain expenses or revenues because they are probable to be collected or refunded to market participants through future billings. The IESO applies guidance from United States Generally Accepted Accounting Principles (US GAAP) Topic 980, *Regulated Operations ("ASC 980")*, in this policy."

5. *Extract from Section 78(3.3) of the OEB Act:* In approving or fixing rates under subsection (3.1)

   (a) the Board shall forecast the cost of electricity to be consumed by the consumers to whom the rates apply, taking into consideration the adjustments required under section 25.33 of the Electricity Act, 1998 and shall ensure that the rates reflect these costs, and

   (b) the Board shall take into account balances in the IESO's variance accounts established under section 25.33 of the Electricity Act, 1998 and shall make adjustments with a view to eliminating those balances within 12 months or such shorter time periods as the Minister may direct.

6. Currently, IESO recognizes two regulatory assets for unrecovered smart metering expenses and unrecovered PSAB transition items as permitted by rates approved by the OEB. In addition, in accordance with section 25.33 of the Electricity Act, IESO also recognizes variance accounts (eg. OESP, RPP and RRRP variance accounts) to record all amounts payable or receivable by it in connection with the amounts paid to generators, the Ontario Electricity Financial Corporation ("OEFC"), distributors and to entities with whom the IESO has a procurement contract.

7. The Electricity Act, OEB Act and other regulations will be amended to reflect the following *extracts of the proposed Act*

   Section 1xx Definitions, Transfer of regulatory asset

   (3) In this Act, a reference to the transfer of a specified portion of the regulatory asset is a reference to the following, as provided for in subsection 22xx (3):

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1. A reduction in the balance in the variance account.
2. The adjustment of the regulatory asset.
3. The acquisition by a financing entity of the investment interest corresponding to the specified portion of the regulatory asset.

Section 20.1xx Variance account to be established

(1) IESO shall establish and maintain a variance account for the purposes of this section.

(2) IESO shall record the following in the variance account:

1. The amount of the IESO funding shortfall for each month.
2. All payments received by IESO resulting from the exercise of the right of recovery under section 21xx and any transfer under section 22xx.
3. Such other adjustments as may be prescribed, including adjustments in respect of the period that commences after May 1, 2017 and before the day this section comes into force.

(3) Subject to the correction of any obvious error by IESO, its recording of the balance in the variance account is determinative of the balance as of the time of the recording.

(4) No change made by IESO to the balance in the variance account shall, if the previous balance was relied upon by an investment interest owner in the context of a transfer under section 22x, affect the rights of the investment interest owner acquired under the transfer.

Section 21xx Regulatory asset established

(1) Effective May 1, 2017, the IESO has the right, exercisable in accordance with this Act and the regulations, to recover the balance recorded in the variance account from specified consumers.

(2) Subject to subsection (3), the Board shall, from time to time, determine and set rates payable by specified consumers to allow for IESO to recover the balance recorded in the variance account.

(3) IESO shall not be entitled to collect all or part of the balance recorded in the variance account from specified consumers before May 1, 2021.

(4) The Board's powers under subsection (3) shall be exercised in accordance with the regulations.

Section 30.1xx Board's Authority

(2) Despite anything to the contrary in the OEB Act, the Board may exercise any of its responsibilities under this Act without a hearing.

8. It is expected that the funding shortfall recorded by the IESO in the variance account (the regulatory asset) will be transferred to an investment asset owner (ie a trust to be established by OPG) on a monthly basis and cash collected within a short period of time. The total IESO funding shortfall for the period from May 1, 2017 to April 30, 2047 is estimated at $28 billion plus interest.

Appropriate Accounting Principle for Issue #1

ASC 980 Regulated Operations

– For general-purpose financial reporting, an incurred cost for which a regulator permits recovery in a future period is accounted for like an incurred cost that is reimbursable under a cost-reimbursement-type contract. [980-10-05-6]

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- Unless an accounting order indicates the way a cost will be handled for rate-making purposes, it causes no economic effects that would justify deviation from the GAAP applicable to business entities in general. The mere issuance of an accounting order not tied to rate treatment does not change an entity's economic resources or obligations. In other words, the economic effect of regulatory decisions—not the mere existence of regulation—is the pervasive factor that determines the application of GAAP. [980-10-05-8]
- The guidance in the Regulated Operations Topic applies to general-purpose external financial statements of an entity that has regulated operations that meet all of the following criteria:
  (a) The entity's rates for regulated services or products provided to its customers are established by or are subject to approval by an independent, third-party regulator or by its own governing board empowered by statute or contract to establish rates that bind customers.
  (b) The regulated rates are designed to recover the specific entity's costs of providing the regulated services or products. This criterion is intended to be applied to the substance of the regulation, rather than its form.
  (c) In view of the demand for the regulated services or products and the level of competition, direct and indirect, it is reasonable to assume that rates set at levels that will recover the entity's costs can be charged to and collected from customers. This criterion requires consideration of anticipated changes in levels of demand or competition during the recovery period for any capitalized costs. [980-10-15-2]
- A cost arising from cash paid out or obligation to pay for an acquired asset or service. a loss from any cause that has been sustained and has been or must be paid for. [980-10-20] Glossary
- Failure of an entity's operations to continue to meet the criteria in paragraph 980-10-15-2 can result from different causes. Examples include the following:
  (a) Deregulation
  (b) A change in the regulator's approach to setting rates from cost-based rate-making to another form of regulation.
  (c) Increasing competition that limits the entity's ability to sell utility services or products at rates that will recover costs (as used in paragraph 980-10-15-2).
  (d) Regulatory actions resulting from resistance to rate increases that limit the entity's ability to sell utility services or products at rates that will recover costs if the entity is unable to obtain (or chooses not to seek) relief from prior regulatory actions through appeals to the regulator or the courts. [980-20-15-2]
- Rate actions of a regulator can provide reasonable assurance of the existence of an asset. An entity shall capitalize all or part of an incurred cost that would otherwise be charged to expense if both of the following criteria are met:
  (a) It is probable (as defined in Topic 450) that future revenue in an amount at least equal to the capitalized cost will result from inclusion of that cost in allowable costs for rate-making purposes.
  (b) Based on available evidence, the future revenue will be provided to permit recovery of the previously incurred cost rather than to provide for expected levels of similar future costs. If the revenue will be provided through an automatic rate-adjustment clause, this criterion requires that the regulator's intent clearly be to permit recovery of the previously incurred cost.

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A cost that does not meet these asset recognition criteria at the date the cost is incurred shall be recognized as a regulatory asset when it does meet those criteria at a later date. [980-340-25-1]

- Rate actions of a regulator can reduce or eliminate the value of an asset. If a regulator excludes all or part of a cost from allowable costs, the carrying amount of any asset recognized pursuant to paragraph 980-340-25-1 shall be reduced to the extent of the excluded cost. Whether other assets have been impaired shall be judged the same as for entities in general and the Impairment or Disposal of Long-Lived Assets Subsections of Subtopic 360-10 shall apply. [980-340-35-1]
- If at any time an entity's incurred cost no longer meets the criteria for the capitalization of an incurred cost (see paragraph 980-340-25-1), that cost shall be charged to earnings. [980-340-40-1]
- In some cases, a regulator may approve rates that are intended to recover an incurred cost over an extended period without a return on the unrecovered cost during the recovery period. [980-340-55-2]
- The regulator's action provides reasonable assurance of the existence of an asset (see paragraph 980-340-25-1). Accordingly, the regulated entity would capitalize the cost and amortize it over the period during which it will be allowed for rate-making purposes. That cost would not be recorded at discounted present value. An exception to this general rule is provided for costs of abandoned plants. [980-340-55-3]

Issue #1: Can the IESO recognize a regulatory asset related to the variance account created by the proposed Act?

As noted above, as of January 1, 2016, the IESO changed its accounting policy to recognize the economic impacts of rate regulation and now applies guidance from US GAAP Topic 980, *Regulated Operations*, as PSAS does not have any specific guidance for entities with rate-regulated activities.

IESO concluded that it met the requirements of PS2120.02, which allows them to reflect the impacts of rate regulation, as it is considered that the change of accounting policy in its 2016 financial statements resulted in a more appropriate presentation of transactions in its financial statements. The change was made to better reflect the economic substance of certain types of expenses that may not be directly recovered through the normal revenue requirement model.

The regulatory framework in Ontario relating to the generation and sale of electricity will be significantly impacted by the proposed Act. Currently, a substantial amount of the energy purchased from the generators is collected by IESO from the local distribution companies through the customer billing, with the remaining being recovered through variance accounts over a period of 12 months maximum. As mentioned above, the effect of the proposed Act is to defer the collection of a total estimated amount of $28 billion (plus interest) of energy purchased from the generators over a period of 30 years. The proposed Act will not permit IESO to collect the funding shortfall before May 1, 2021 and the recovery process will be established through regulations. Such a long-term deferred recovery plan requires IESO to consider whether the uncollected energy costs qualify for deferral as a regulatory asset and whether it continues to meet the criteria that allow IESO to use the guidance for regulated operations of Topic 980. These two accounting issues are analyzed in the two tables below.

Criteria for the recognition of regulatory assets

ASC 980-340-25-1 states that rate actions of a regulator can provide reasonable assurance of the existence of an asset. An entity shall capitalize all or part of an incurred cost that would otherwise be charged to expense if both of the following criteria are met:

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Criteria	Comment	Evaluation
(a) It is probable that future revenue in an amount at least equal to the capitalized cost will result from inclusion of that cost in allowable costs for rate-making purposes. (b) Based on available evidence, the future revenue will be provided to permit recovery of the previously incurred cost rather than to provide for expected levels of similar future costs. *(emphasis added)* If the revenue will be provided through an automatic rate-adjustment clause, this criterion requires that the regulator's intent clearly be to permit recovery of the previously incurred cost.	The proposed Act states that, • *A recording of the balance in the variance account is determinative of the balance as of the time of the recording.* • *Effective May 1, 2017, IESO has the right, exercisable in accordance with this Act and the regulations, to recover the balance recorded in the variance account from specified consumers.* • *The Board shall, from time to time, determine and set rates payable by specified consumers to allow for IESO to recover the balance recorded in the variance account.* • *The IESO shall not be entitled to collect all or part of the balance recorded in the variance account from specified consumers before May 1, 2021.* Based on the proposed Act, IESO has the right to recover the balance recorded in the variance account. As a result, it is clear that IESO will be able to recover the amount previously incurred rather than to provide for expected levels of similar future costs.	Met

Criteria for the adoption and continued use of ASC 980 guidance

Deferred recovery plans are plans adopted by regulators or legislations in response to significant increases in costs (e.g. purchased power costs). These plans typically provide for rates to remain fixed or increase moderately with a variance account mechanism to capture costs in excess of the level allowed in current rates. A regulated utility subject to such plans is required to consider whether it continues to meet the criteria that allow it to use the guidance for regulated operations of Topic 980, especially criteria ASC 980-10-15-2 (b).

The proposed plan for the recovery of purchase power costs over a 30 year period is considered a deferred recovery plan as the rates for the first four years will remain fixed and subsequently the rates will increase moderately with a variance account to capture energy costs in excess of the level allowed in current rates. The following is an analysis of the ASC 980-10-15-2 criteria.

Criteria	Comment	Evaluation
(a) The entity's rates for regulated services or products provided to its customers are established by or are subject to approval by an independent, third-party	Currently, IESO recognizes regulatory assets related to smart meters and PSAS transition costs as permitted by rates approved by the OEB and regulatory liabilities related to the variance accounts (eg. OESP, RPP and RRRP variance accounts) established under section 25.33 of the Electricity Act related to the procurement of energy.	Met

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Criteria	Comment	Evaluation
regulator or by its own governing board empowered by statute or contract to establish rates that bind customers.	It is important to note that both Hydro One and OPG are classified as government business enterprises and are reporting under IFRS in their consolidated financial statements, are consolidated by the modified equity method into the province's books, are regulated by the OEB, and their respective regulatory assets and liabilities are reported in the province's books.	

(b) The regulated rates are designed to recover the specific entity's costs of providing the regulated services or products.	Currently, the rates approved by the OEB are designed to recover the IESO's costs of providing the regulated services and the pass-through related to the energy purchased from the generators.
	
	As mentioned above, a regulated utility subject to a deferred recovery plan is required to consider whether it continues to meet the criteria ASC 980-10-15-2 (b).
	
	This criterion requires a cause-and-effect relationship between a reporting entity's costs and its revenue. In addition, the timing of cost recovery and the related frequency of ratemaking is important. A reporting entity should consider its rate case experience, including the design of its rates and timing of recovery, when determining whether this criterion is met. These factors are analyzed below.
	
	Frequency of rate case
	
	- Currently, IESO is subject to OEB's annual reviews.
	- Although the recovery of purchase energy costs will be frozen at the approved rate on May 1, 2017 for the first four years, the IESO will be granted a right to recover after May 1, 2021 the funding shortfall recorded in the variance account during the four-year period.
	  - *A recording of the balance in the variance account of the balance is determinative of the balance, as of the time of the recording. (We note that this confirms that there will be no prudence review by the OEB)*
	  - *Right to recover the balance recorded in the variance account.*
	  - *Obligation on the part of the OEB to dispose the variance account in accordance with the regulation.*
	- Subsequent to May 1, 2021, the OEB will be required to determine and set rates payable by specified consumers to allow for IESO to recover the balance.
		Met

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Criteria	Comment	Evaluation
	recorded in the variance account. - *The Board shall, from time to time, determine and set rates payable by specified consumers to allow for IESO to recover the balance recorded in the variance account.* - *Despite anything to the contrary in the OEB Act, the Board may exercise any of its responsibilities under this Act without a hearing.* *Rates are designed to recover incurred costs* - There is a cause-and-effect relationship between the purchase energy costs and revenue, as IESO will be allowed to recover the costs incurred. - *A recording in the variance account of the balance in the variance account is determinative of the balance as of the time of recording (We note that this confirms that there will be no prudence review).* - *Right to recover the balance recorded in the variance account.* - *Obligation on the part of the OEB to ensure IESO will recover the balance recorded in the variance account.* *Periods of alternative ratemaking (e.g., rate freezes)* Evaluation of the second criterion requires additional judgment if the regulated utility is subject to any form of ratemaking that introduces uncertainty about the cause-and-effect relationship between costs and rates. A rate freeze period is defined as a fixed rate that is charged to customers during a period of time (more than two years) and the utilities are exposed to increases in operating and energy costs with no ability to recover the variances. This is not the case as IESO will be granted the right to recover fully the funding shortfall recorded in the variance account, including the first four-year period. - *The Board shall, from time to time, determine and set rates payable by specified consumers to allow for IESO to recover the balance recorded in the variance account.*	

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Criteria	Comment	Evaluation
	Costs uncertainty As the IESO will be granted the right to fully recover the funding shortfall recorded in the variance account, there is no uncertainty about the recovery of the costs. *Disallowances of costs* The OEB has never disallowed the recovery of any material costs incurred by IESO. More importantly, as the IESO will be granted by legislation the right to fully recover the funding shortfall recorded in the variance account, there is no risk of the potential disallowance of the purchase power costs. Based on the analysis of the above factors, there are no indications that this criterion would not be met. The above factors establish that there will be a direct cause-and-effect relationship between IESO's costs and its future collection.	

(c) In view of the demand for the regulated services or products and the level of competition, direct and indirect, it is reasonable to assume that rates set at levels that will recover the entity's costs can be charged to and collected from customers. This criterion requires consideration of anticipated changes in levels of demand or competition during the recovery period for any capitalized costs."	The remaining criterion is whether limitations, including considering demand levels at the approved rates, on the extent of recovery of the regulatory asset could prevent the IESO from recognizing a regulatory asset for the entire balance in the recovery right granted to the IESO.
	The proposed Act notes that:
	- *Effective May 1, 2017, the IESO's right to recover the balance in the variance account is subject to the following:*
	  - *The Board shall, from time to time, determine and set rates payable by specified customers to allow for IESO to recover the balance recorded in the variance account.*
	  - *IESO shall not be entitled to collect the variance account from specified consumers before May 1, 2021.*
	Although the process, especially the timing of the recovery of the regulatory asset has not been established yet by the OEB, the wording and intent of the proposed legislation is clear that it is intended by law to be recoverable over the period of 30 years. Further, given the nature and extent of customer demand for the power generated and distributed in Ontario, both at this time and projected in the future, it is reasonable to conclude that there will be sufficient demand to recover the regulatory asset. As with the other criteria, this will
		Met

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Criteria	Comment	Evaluation
	need to be continually evaluated throughout the recovery period.	

Management conclusion:

IESO management has concluded that the IESO can recognize a regulatory asset related to the variance account created by the proposed Act based on the foregoing analysis.

The variance account created by the proposed Act is subject to rate regulation by the OEB and the variance account will be established with the right to collect funds against the variance amount in the future. In these circumstances, the IESO is able to establish a regulated asset. The IESO financial statements are prepared in accordance with Canadian public sector accounting standards. Although PSAB does not provide specific guidance on rate regulated accounting, it does under PS 1150 *Generally Accepted Accounting Principles* allow for guidance to be followed from other accounting frameworks. IESO has applied guidance from United States Generally Accepted Accounting Principles (US GAAP) Topic 980, Regulated Operations in its accounting policies.

Our conclusion:

We have considered the foregoing analysis and management's conclusion. We concur that the variance account created by the proposed Act will meet the criteria for the recognition of a regulatory asset stated in ASC 980-340-25-1. Furthermore, we have also considered the criteria stated in ASC 980-10-15-2 and believe that IESO should be allowed to continue to use the guidance for regulated operations of Topic 980.

Background for issue #2

The facts, circumstances, and assumptions relevant to the specific transactions as provided to us by the management of the Company (responsible party), in addition to those described in the background for issue #1, are as follows:

1. The IESO currently has the right to collect the global adjustment ("GA") monthly from ratepayers through provisions in the Electricity Act. It is proposed that collection of a certain portion of the monthly GA be deferred in a regulatory asset for collection in the future, and that the right to recover the deferred GA from ratepayers be used as the basis for structured financing/ securitization.
2. In connection with the proposed Act, it is proposed that a trust to be created as a financial vehicle by OPG in connection with the deferred GA. The OPG Trust will finance the deferral of the GA by purchasing the regulatory asset from the IESO for the principal amount of the GA being deferred.
3. The OPG Trust is expected to finance these purchases from the IESO through a combination of senior secured financing raised in the capital markets, and subordinated financing from OPG (the funding for which will mostly be from equity injections from the OEFC/Province of Ontario).
4. OPG will be appointed as the Financial Services Manager and will be given the responsibility to direct the activities of the OPG Trust, through a services agreement and/or through the Trust's constating documents.

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Appropriate Accounting Principle for issue #2

PS1300 *Government Reporting Entity*

PSAS refer to government or government organizations. For the purpose of this analysis, the PSAS guidance below relating to government or government organizations should be read and understood as being the IESO (emphasis added).

- The government reporting entity should comprise government components and those organizations that are controlled by the government. [PS 1300.07]
- Control is the power to govern the financial and operating policies of another organization with expected benefits or the risk of loss to the government from the other organization's activities. [PS 1300.08] (emphasis added)
- Whether a government controls an organization is a question of fact that must be determined by reference to the definition of control established in paragraph PS 1300.08 and the particular circumstances of each case. The determination of the fact that control exists will require the application of professional judgment. Government achieves its objectives through a wide range of organizations which individually will fall somewhere along a continuum. At one end of the continuum, it will be clear that an organization does not have the power to act independently and is controlled by the government. At the other end, the organization will have the power to act independently and, while government will have a level of influence on the organization, it will be clear that it does not have control. Along the continuum, consideration needs to be given to the nature of the relationship between the government and the organization in order to determine whether control exists. This Section provides guidance intended to assist in this assessment. [PS 1300.10]
- In applying this guidance, it is necessary to determine the substance of the relationship between the government and the organization. The true nature of certain relationships may not be completely reflected by their legal form. All relevant aspects and implications of the relationship would be considered in determining whether or not the government controls the organization. Where various aspects of the relationship are designed, in effect, to achieve an overall objective, they would be viewed as a whole. [PS 1300.11]
- Financial and operating policies are principles and practices that determine how an organization conducts its activities. The ability to govern these policies is an important element of government control because it establishes the fundamental basis for the conduct of the organization's operations and the achievement of its mission and mandate. [PS 1300.13]
- There are a variety of ways to govern the financial and operating policies of an organization. For example:
  - (a) a government may establish an organization's fundamental purpose and eliminate or significantly limit the ability of the organization to make future decisions by predetermining the financial and operating policies of the organization;
  - (b) a government may direct the financial and operating policies of an organization on an ongoing basis; or
  - (c) a government may veto, overrule or modify the financial and operating policies established by an organization. [PS 1300.14]
- A government does not need to manage an organization's activities on a day-to-day basis to control the organization. It is the government's existing authority to determine the policies governing those activities that is important. [PS 1300.15]

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- For the purposes of this Section, it is assumed that where the government has the power to govern the financial and operating policies of an organization, it expects to derive a financial or non-financial benefit. The government may also be exposed to the risk of loss. (PS 1300.16)

Issue #2: Is the trust to be established by Ontario Power Generation (the "OPG Trust") controlled by the IESO according to the guidance issued under PSAS 1300 *Government Reporting Entity* and, therefore, subject to consolidation by IESO?

Under PSAS, IESO is required to consolidate all entities that are considered to be part of its reporting entity, applying the guidance provided in *Section PS 1300 Government Reporting Entity*. Under PS 1300, IESO must consolidate all entities it "controls".

In determining whether or not the OPG Trust should be consolidated by IESO, it must first be determined whether or not the IESO exercises control as a consequence of power to govern the financial and operating policies of the OPG Trust resulting in expected benefits to the IESO or the risk of loss from the activities of the OPG Trust.

PS 1300.17 indicates that "whether a government controls an organization is a question of fact that requires the application of professional judgment based on the definition of control in this Section and the substance of the relationship in each case." Under PS 1300.08 control is defined as "the power to govern the financial and operating policies of another organization with expected benefits or the risk of loss to the government from the other organization's activities". Therefore, the determination of whether IESO will consolidate the OPG Trust will be based on an assessment of whether IESO is considered to control the OPG Trust based on the indicia of control set out in PS 1300. The assessment of the IESO's control of the OPG Trust is made based on the proposed Act, facts and nature of the relationship between the IESO and the OPG Trust and based on facts and assumptions provided by IESO. PS 1300.18 and .19 set out 11 potential indicia of control. Several of these indicia have been categorized as more persuasive of a finding of control (see the first four indicators in the table below). For each indicator that applies, the degree of government influence would determine its importance as evidence of control. Finally, the indicia are considered both collectively and individually.

A detailed analysis of the 11 indicators of control is provided in the following table.

INDICATOR OF CONTROLS	EVIDENCE OF CONTROL	CONTROL EXIST?
Primary (more persuasive) indicators (PS 1300.18):		
Government has the power to unilaterally appoint or remove a majority of the members of the governing body of the organization	- The proposed Act states: - *OPG is appointed as the Financial Services Manager for the purposes of this Act. (Section 13xx)* - *The Financial Services Manager shall perform the duties assigned to it under this Act and may administer the investment asset on behalf of the investment interest owners. (Section 14xx (1))* - *Subject to any prescribed limitations, the Financial Services Manager may establish and charge fees to recover the costs of doing anything the*	No

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INDICATOR OF CONTROLS	EVIDENCE OF CONTROL	CONTROL EXIST?
	Financial Services Manager is required or permitted to do under this or any other Act, and any other type of expenditure, the recovery of which is permitted by the regulations. (Section 14xx (3)) - The Electricity Act, 1998 (EA) will be amended as follows: - *In addition to the objects mentioned in subsection (1), the objects of OPG include exercising the powers and rights and performing the duties and obligations assigned to it under the Ontario Fair Hydro Plan Act, 2017 and engaging in activities to facilitate the implementation of that Act, including entering into contracts and undertakings on behalf of financing entities and performing other services on behalf of financing entities, subject to the right to be paid by the financing entities for those services." (Section 53.1 (1.1))* - *"OPG may create or invest in one or more subsidiaries, trusts, partnerships or special purpose entities in order to more efficiently conduct its activities or achieve its objects." (Section 53.1 (1.2))* - OPG will establish a trust to manage the collection of the regulatory asset and related financing and administrative expenses. The Board of Trustees of the OPG Trust will be the governing body of the Trust and will be appointed by OPG. OPG will have the power to unilaterally appoint or remove all members of the Board of Trustees. - The IESO will not have any rights in respect of the appointment or replacement of the Board of Trustees of the OPG Trust.	
Government has ongoing access to the assets of the organization, has the ability to direct the ongoing use of those assets, or has ongoing responsibility for losses	- Section 23xx of the proposed Act states: - *A transfer of a specified portion of the regulatory asset under section 22xx constitutes a valid and enforceable absolute assignment, conveyance and sale of the corresponding investment interest to the transferee.* - *Without limiting subsection (1), any transfer agreement that states an intention of the parties for*	No

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INDICATOR OF CONTROLS	EVIDENCE OF CONTROL	CONTROL EXIST?
	IESO to dispose of a specified portion of the regulatory asset and to assign, convey or sell a corresponding investment interest shall be treated for all purposes as an absolute assignment, conveyance, disposition and sale of IESO's right to recover the corresponding amount in the variance account and not merely as a security interest. - *At the time a transfer of the regulatory asset is made under section 22xx, the transfer shall be deemed to have been and shall be perfected, vested, valid and binding as against the transferor and all other persons who have claims of any kind against the transferor.* - Based on the proposed Act, *upon transfer by IESO of a portion of the regulatory asset to the OPG Trust, the investment asset resulting from the transfer is immediately vested in the OPG Trust, free and clear of any adverse claim.* (Section 24xx (1.1)) - Therefore, upon transfer of the regulatory asset to the OPG Trust, IESO will no longer have access/ability to direct the regulatory asset nor have the ongoing responsibility for losses. - The credit risk related to the collection of the investment asset is borne by the OPG Trust.	
Government holds the majority of the voting shares or a "golden share" that confers the power to govern the financial and operating policies of the organization	- IESO will not have any ownership in the OPG Trust and will not have the power to govern the financial and operating policies of the OPG Trust.	No
Government has the unilateral power to dissolve the organization and thereby access its assets and become responsible for its obligations	- IESO will not have the power to dissolve the organization.	No

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INDICATOR OF CONTROLS	EVIDENCE OF CONTROL	CONTROL EXIST?
Other indicators that may provide evidence of control exist when government has the power to (PS 1300.18):		
Provide significant input into the appointment of members of the governing body of the organization by appointing a majority of those members from a list of nominees provided by others or being otherwise involved in the appointment or removal of a significant number of members	- OPG will have the power to unilaterally appoint or remove all members of the Board of Trustees of the OPG Trust - IESO will not provide input in the appointment of members of the Board of Trustees	No
Appoint or remove the CEO or other key personnel	- OPG will have the power to unilaterally appoint or remove all members of the Board of Trustees of the OPG Trust and other key personnel.	No
Establish or amend the mission or mandate of the organization	- The Trust will be established by OPG and the mandate of the Trust will be set based on the proposed Act	No
Approve the business plans or budgets for the organization and require amendments, either on a net or line-by-line basis	- The proposed Act states - *OPG is appointed as (the Financial Services Manager for the purposes of this Act. (Section 13(x))* - *"The Financial Services Manager shall prepare a written plan entitled the Financing Plan to be used by (the Financial Services Manager to evaluate whether potential funding obligations should be incurred for the purposes of acquiring and financing an investment asset in accordance with this Act or for the purposes of refinancing a funding obligation." (Section 16 (1))* - OPG is the Financial Services Manager, not IESO. - IESO is not involved in the preparation or approval of the business plans or budget of the OPG Trust.	No
Establish borrowing or investment limits or restrict the organization's investments	- Section 17 of the proposed Act states: - *The Financial Services Manager shall ensure that funding obligations incurred for the purposes*	No

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INDICATOR OF CONTROLS	EVIDENCE OF CONTROL	CONTROL EXIST?
	of this Act are incurred in a manner that is consistent with the applicable Financing Plan. - OPG not IESO, is responsible for ensuring that the borrowings of the OPG Trust meet the above conditions.	
Restrict the revenue-generating capacity of the organization, notably the sources of revenue	- N/A	No
Establish or amend the policies that the organization uses to manage, such as those relating to accounting personnel, compensation collective bargaining or deployment of resources	- As mentioned above, OPG will be granted by legislation the power to establish or amend the policies of the OPG Trust and the ability to appoint and remove all members of the Board of Trustees	No

Management Conclusion:

IESO management has concluded that the OPG Trust to be established would not be controlled by the IESO and therefore is not subject to consolidation by the IESO.

Based on the foregoing analysis of the 11 indicators of control as defined in Section PS 1300 *Government Reporting Entity*, considered both individually and collectively there is no evidence of control by the IESO in respect of the OPG Trust. The IESO will not have the power to govern the Trust, nor have ongoing access to Trust's assets. The IESO will also not have any voting shares or future rights to the Trust nor the power to dissolve the Trust. Without control, the Trust is not subject to consolidation within the IESO financial statements.

Our Conclusion:

We have considered the foregoing analysis and management's conclusion. We concur that based on the Proposed Act, none of the four primary (more persuasive) indicators of control are considered to be met, and none of the seven other indicators of control are considered to be met. Accordingly, we concur that the IESO does not control the OPG Trust under the proposed Act and hence would not consolidate the OPG Trust.

The adoption of the proposed Act (including the subsequent amendments of the Electricity Act and the OEB Act) and the finalization of the financing structure (including the bylaws and regulations of the OPG Trust) and other agreements will take several weeks. Accordingly, our judgment on the appropriate application of PSAS to the conclusion on control may change subject to further analysis of any changes to the terms of the proposed Act or review of the final regulations, financing structure and other agreements.

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Background for issue #3

The facts, circumstances, and assumptions relevant to the specific transactions as provided to us by the management of the Company (responsible party), in addition to those described in the background for issues #1 and 2, are as follows:

1. The total IESO funding shortfall for the period from May 1, 2017 to April 30, 2047 is estimated at $28 billion plus interest and will be recorded by the IESO in a variance account recognized as a regulatory asset.
2. The IESO does not currently have the financial capability to finance the regulatory asset and will transfer the variance account to an investment asset owner (i.e. OPG Trust) on a monthly basis
3. The IESO will obtain a written legal opinion as to the validity and enforceability of the transfer and sale of the regulatory asset.
4. Based on an assessment of control performed under the issue #2, IESO will not consolidate the OPG Trust. We understand that an assessment of control under International Financial Reporting Standards ("IFRS") has been performed by OPG and they have concluded that the OPG Trust will be consolidated by OPG. we note that the financial reporting framework used by OPG in preparing its financial statements for consolidation into the Province's books is IFRS.
5. The Electricity Act, OEB Act and other regulations will be amended to reflect the following *extracts from the proposed Act*:

Section 11xx IESO to receive amounts

(2) The IESO shall, as an agent of the investment interest owners, receive amounts in respect of the clean energy adjustment paid to it from electricity vendors in accordance with the regulations and the market rules made under section 32 of the *Electricity Act, 1998*.

(4) All amounts received by the IESO in respect of the clean energy adjustment shall, until paid to or for the benefit of the investment interest owner, be received and held in trust by the IESO for the investment interest owners.

(5) The IESO shall remit amounts received by it in respect of the clean energy adjustment, inclusive of interest earned on the accounts referred to in subsection (2), to or for the benefit of the investment interest owners in accordance with the regulations.

Section 12xx Pro rating of payments

(3) If an electricity vendor receives a payment made by or on behalf of a specified consumer in respect of amounts payable under one or more invoices and the amount paid is less than the total amount payable, the electricity vendor shall allocate the payment on a pro rata basis to the clean energy adjustment and other amounts payable under the relevant invoices in respect of electricity charges in respect of the same invoice period

Section 22xx Transfer of regulatory asset

(1) The IESO may from time to time, in accordance with this Act and the regulations, transfer a specified portion of the regulatory asset to a financing entity in accordance with this section

(2) An agreement between the IESO and a financing entity in relation to the transfer of a specified portion of the regulatory asset shall provide for consideration of a payment by the financing entity to the IESO in an amount equal to the amount of the specified portion.

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(3) Upon receipt by the IESO of the payment by the financing entity

(a) the balance in the variance account shall be reduced by the amount of the payment;

(b) the regulatory asset shall be adjusted accordingly;

(c) the financing entity shall acquire a corresponding investment interest; and

(d) the IESO shall retain no further right, title or interest in the investment interest.

Section 23xx Validity of transfer

(1) A transfer of a specified portion of the regulatory asset under section 22xx constitutes a valid and enforceable absolute assignment, conveyance and sale of the corresponding investment interest to the transferee.

(2) Without limiting subsection (1), any transfer agreement that states an intention of the parties for IESO to dispose of a specified portion of the regulatory asset and to assign, convey or sell a corresponding investment interest shall be treated for all purposes as an absolute assignment, conveyance, disposition and sale of IESO's right to recover the corresponding amount in the variance account and not merely as a security interest.

(3) At the time a transfer of the regulatory asset is made under section 22xx, the transfer shall be deemed to have been and shall be perfected, vested, valid and binding as against the transferor and all other persons who have claims of any kind against the transferor.

(4) Subsection (3) applies regardless of whether the persons who have claims have received notice of the transfer and the property rights and interests acquired by the transferee shall have priority over any liens in favour of those persons.

Section 25xx Investment asset established

(1) The investment asset constitutes a current and irrevocable property right and interest consisting, collectively, of the following rights and interests of investment interest owners:

1. The right and interest to impose, invoice, collect, receive and recover the clean energy adjustment from specified consumers, including the right to determine the clean energy adjustment in accordance with this Act.

2. The right to receive, collect and recover the clean energy adjustment that are imposed, invoiced and recoverable under this Act, including any amounts in respect of the clean energy adjustment that are held by electricity vendors, IESO and other prescribed parties.

Section 26xx Transfer of investment interest

(2) An investment interest owner may transfer all or a portion of an investment interest to any other investment interest owner, including by way of a transfer of a divided or an undivided interest, in accordance with the Financing Plan.

Section 28xx Investment interest owner may grant security interest

(1) An investment interest owner may grant a security interest over all or a specified portion of its right, title and interest in, to and under the investment interest to or in favour of any person to secure a funding obligation.

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(3) All provisions of the Personal Property Security Act shall apply to the investment asset and each investment interest on the basis that the investment asset and each investment interest is intangible personal property, except as otherwise provided for in this section, and any granting of a security interest by an investment interest owner to secure a funding obligation shall, subject to the terms of the funding obligation, give rise to a security interest in respect of which that Act applies and may be perfected by filing a financing statement under that Act on that basis.

6. The terms of the transfer agreement between the IESO and the OPG Trust that will be signed and executed upon transfer of the regulatory assets will be in compliance with the dispositions of the proposed Act.

Appropriate Accounting Principle for Issue #3

The Derecognition Section of ASC 980-20-40 provides guidance on determining whether and when an entity should remove an item from the financial statements. For example, the entity would derecognize an asset because it no longer has rights to the asset or it would derecognize a liability because it no longer has any obligation. [ASC 980-20-40]

Failure of an entity's operations to continue to meet the criteria in paragraph 980-10-15-2 can result from different causes. Examples include the following:

(e) Deregulation

(f) A change in the regulator's approach to setting rates from cost-based rate-making to another form of regulation.

(g) Increasing competition that limits the entity's ability to sell utility services or products at rates that will recover costs (as used in paragraph 980-10-15-2).

(h) Regulatory actions resulting from resistance to rate increases that limit the entity's ability to sell utility services or products at rates that will recover costs if the entity is unable to obtain (or chooses not to seek) relief from prior regulatory actions through appeals to the regulator or the courts. [ASC 980-20-15-2]

PS1000 *Financial statement concepts*:

- This Section is to be used by preparers and auditors of financial statements in exercising their professional judgment as to the application of generally accepted accounting principles and in establishing accounting policies in areas in which accounting principles are developing. [PS1000.03]
- Financial statements should communicate information that is relevant to the needs of those for whom the statements are prepared, reliable, comparable, understandable and clearly presented in a manner that maximizes its usefulness. [PS1000.24]
- An item is not an asset of a government if it lacks one or more of the essential characteristics listed in the preceding paragraph [PS3210.04]. Thus, for example, an item does not qualify as an asset of a government if the item involves:
  (a) no future economic benefit;
  (b) future economic benefit, but the government cannot obtain it; or
  (c) future economic benefit that the government may obtain, but the events or circumstances that give the government control of the benefit have not yet occurred. [PS1000.37]

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PS3210 *Assets*:

- Assets are economic resources controlled by a public sector entity as a result of past transactions or events and from which future economic benefits are expected to be obtained. [PS3210.03]
- Assets have three essential characteristics:
  (a) They embody future economic benefits that involve a capacity, singly or in combination with other assets, to provide goods and services, to provide future cash inflows, or to reduce cash outflows.
  (b) The public sector entity can control the economic resource and access to the future economic benefits.
  (c) The transaction or event giving rise to the public sector entity's control has already occurred. [PS3210.04]
- Control of an economic resource and of access to the future economic benefits are essential characteristics of an asset, whereas possession or ownership is not. [PS3210.22]

PS3430 *Restructuring transactions*[1]

- Individual assets and liabilities transferred in a restructuring transaction should be derecognized by the transferor if they no longer meet the definitions of assets and liabilities and applicable recognition criteria at the restructuring date. [PS3430.21]
- When a transferor continues to be involved in the individual assets and/or liabilities it transferred to a recipient subsequent to the restructuring date, it would assess the nature and extent of its continued involvement against the definitions of assets and liabilities and applicable recognition criteria to evaluate whether:
  (a) derecognition of the asset and liability transferred would be appropriate; and
  (b) its continued involvement gives rise to a new asset or new liability that needs to be recognized. [PS3430.24]
- A new asset or new liability may arise from a restructuring due to a transferor's continued involvement in the individual assets and liabilities transferred (for example, if it agrees to guarantee repayment of all or a portion of a transferred liability or leases back a portion of a transferred asset). As the new asset or new liability is not transferred, together with related program or operating responsibilities, they are not part of the restructuring transaction. They would be accounted for in accordance with individual Sections of the PSA Handbook by both the transferors and recipients. [PS3430.25]

[1] This Section applies to fiscal years beginning on or after April 1, 2018. | Early adoption is permitted.

Issue #3: What is the accounting treatment for derecognition of the regulatory asset by the IESO upon transfer of the variance account to the OPG Trust?

Although ASC 980-20-40 states that

"Derecognition Section provides guidance on determining whether and when an entity should remove an item from the financial statements. For example, the entity would derecognize an asset because it no longer has rights to the asset or it would derecognize a liability because it no longer has any obligation."

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Subtopic 980-20 relates to discontinuation of rate-regulated accounting when an entity no longer meets the criteria in paragraph 980-10-15-2. ASC 980-20-15-2 provides examples of when an entity no longer meets the criteria, including deregulation and change of the form of regulation. Thus, ASC 980 does not provide clear guidance for the derecognition of a regulatory asset other than in connection with the discontinuation of rate-regulated accounting.

The above guidance in ASC 980-20-40 provides general principles for the derecognition of assets.

It should also be noted that PSASs provide limited guidance on derecognition of non-financial assets and liabilities. Section 3430 *Restructuring transactions*, which is applicable for fiscal years on or after April 1 2018 with early application permitted, has guidance for the derecognition of assets and liabilities:

- Paragraph 21 states that individual assets and liabilities transferred in a restructuring transaction should be derecognized by the transferor if they no longer meet the definitions of assets and liabilities and applicable recognition criteria at the restructuring date.
- As stated in paragraph 24, when a transferor continues to be involved in the individual assets and/or liabilities it transferred to a recipient subsequent to the restructuring date, it would assess the nature and extent of its continued involvement against the definitions of assets and liabilities and applicable recognition criteria to evaluate whether derecognition of the asset and liability transferred would be appropriate and whether its continued involvement gives rise to a new asset or new liability that needs to be recognized.

Recognizing the proposed transaction is not a restructuring transaction, Section 3430, which has recently been issued by PSAB, provides current evidence of thinking in the application of the general PSAS principles in respect of the recognition and derecognition of assets and liabilities. Accordingly, the analysis as to whether the regulatory asset transferred to the OPG Trust can be derecognized is based on the foregoing guidance.

Criteria for the recognition of an asset

PS3210.03 states that assets are economic resources controlled by a public sector entity as a result of past transactions or events and from which future economic benefits are expected to be obtained. More generally, PSAS PS1000.37 suggests that an asset would no longer be recognized when it fails to meet the definition of an asset.

Criteria	Comment	Evaluation
Assets (PS3210.04/ PS1000.36) Assets have three essential characteristics: (a) They embody future economic benefits that involve a capacity, singly or in combination with other assets, to provide goods and services, to provide future cash inflows,	Based on the guidance, the regulatory asset does not qualify as an asset of IESO if it cannot obtain the future economic benefits. Upon transfer of the regulatory asset, IESO will have no further rights or obligations in connection with the asset transferred. - *IESO may from time to time, in accordance with this Act and the regulations, transfer a specified portion of the regulatory asset to a financing entity in accordance with this section* - *Upon receipt by IESO of the payment by the financing entity, IESO shall retain no further right title or interest in the corresponding investment interest*	Not Met

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Criteria	Comment	Evaluation
or to reduce cash outflows. (b) The public sector entity can control the economic resource and access to the future economic benefits. (c) The transaction or event giving rise to the public sector entity's control has already occurred. *Financial statement concepts (PS1000.37)* An item is not an asset of a government if it lacks one or more of the essential characteristics listed in the preceding paragraph [see above]. Thus, for example, an item does not qualify as an asset of a government if the item involves: (a) no future economic benefit (b) future economic benefit, but the government cannot obtain it.	- *A transfer of a specified portion of the regulatory asset under section 22xx constitutes a valid and enforceable absolute assignment, conveyance and sale of the corresponding investment interest to the transferee.* - *Without limiting subsection (1), any transfer agreement that states an intention of the parties for IESO to dispose of a specified portion of the regulatory asset and to assign, convey or sell a corresponding investment interest shall be treated for all purposes as an absolute assignment, conveyance, disposition and sale of IESO's right to recover the corresponding amount in the variance account and not merely as a security interest.* - *At the time a transfer of the regulatory asset is made, the transfer shall be deemed to have been and shall be perfected, vested, valid and binding as against the transferor and all other persons who have claims of any kind against the transferor."* Upon transfer of the regulatory asset, the OPG Trust will have the right to sell the asset to another party or to grant a security interest in favour of any person to secure a funding obligation. - *Upon transfer, the financing entity becomes an investment asset owner and acquires an investment interest."* - *An investment interest owner may transfer all or a portion of an investment interest to any other investment interest owner, including by way of a transfer of a divided or an undivided interest, in accordance with the Financing Plan.* - *An investment interest owner may grant a security interest over all or a specified portion of its right, title and interest in, to and under the investment interest to or in favour of any person to secure a funding obligation.* Based on the proposed Act, it is clear that IESO will have no rights to the benefits associated with the future cash inflows related to the regulatory asset as it will have transferred its right to recover the IESO funding shortfall to the OPG Trust. Further, it is also clear that IESO will have lost control over the regulatory asset once it is transferred to OPG Trust.	

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Management conclusion:

IESO management has concluded that the regulatory asset will be derecognized upon transfer of the variance account to the OPG Trust.

The transfer of the variance account transfers the control and the benefits associated with the right to collect funds in the future against the variance amount to the OPG Trust. This will eliminate the IESO asset by the amount of the transfer as the IESO will no longer control an economic resource or have access to future economic benefits for that amount. The funds collected from the transfer will in turn reduce the associated debt held by the IESO, maintaining the IESO's net $ nil balance in the market accounts.

Our conclusion:

We have considered the foregoing analysis and management's conclusion. We concur that the regulatory asset should be derecognized on transfer to the OPG Trust as IESO no longer has rights or future economic benefits associated with the asset.

Other Matters

The ultimate responsibility for the decision on the appropriate application of PSAS for the specific transactions rests with management as preparers of the financial statements. Our judgment on the appropriate application of PSAS for the specific transaction is based solely on the facts, circumstances and assumptions provided to us as described above. Should these facts and circumstances differ, our conclusion may change.

This letter has been prepared in draft form and will be updated upon receipt of the adopted legislation (including the amendments of the Electricity Act and the OEB Act) and finalized financial structure (including the bylaws and regulations of the OPG Trust) and other relevant agreements necessary for us to provide our final opinion, of which legislation and other relevant agreements are expected to be enacted/ finalized on or before June 30, 2017. This letter will not be updated as a consequence of pronouncements by the Public Sector Accounting Board, or any other authoritative bodies, that occur subsequent to the date of this letter.

This letter is intended solely for the information and use of the Board of Directors and management of the Company, and is not intended to be and should not be used, quoted, relied upon by, or otherwise referred to by anyone other than these specified parties or for any other purpose.

No one other than the Board of Directors and management of the Company is authorized by KPMG to rely upon any information or views expressed herein. KPMG shall have no responsibility or liability for loss or damages or claims, if any, to or by any third party as this letter has not been prepared for, and is not intended for, and should not be used by, any third party or for any other purpose.

Yours very truly,

per Michel Picard
Partner
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Appendix A:

Draft of the Ontario Fair Hydro Plan Act, 2017

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Version 6

This confidential draft document is provided for discussion purposes only. It should not be construed as representing the position adopted by the Government of Ontario on any of the topics included or not included in this document. The notes included in this document are intended only to help facilitate a discussion of the topics to which they relate. Any potential legislation is subject to the approval of the Ontario Legislature.

A proposal to create Legislation.

Ontario Fair Hydro Plan Act, 2017, if enacted

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A proposal to create Legislation.

Ontario Fair Hydro Plan Act, 2017, if enacted

EXPLANATORY NOTE TO BE ADDED BY LEGISLATIVE COUNSEL TO ANY FINAL BILL PRIOR TO INTRODUCTION.

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Preamble

The Government of Ontario is committed to fostering the development of a clean, modern and reliable electricity system with a diverse supply mix. The Government is also committed to removing barriers to and promoting opportunities for renewable and clean energy projects.[1] These commitments can only be achieved if costs are shared fairly among consumers, today and in the future.

Electricity rates have risen for two key reasons. First, decades of under-investment in the electricity system resulted in the need to invest more than $50 billion in generation, transmission and distribution assets to ensure the system is clean and reliable. Second, the decision to eliminate Ontario's use of coal and produce clean, renewable power has created additional costs.

The actions taken to achieve a clean, modern and reliable electricity system have resulted in significant costs to residential consumers. The burden of financing these system improvements and funding key programs has unfairly fallen almost entirely on the shoulders of those consumers.

The Government of Ontario is committed to ensuring that the costs of financing these investments and the associated charges to consumers are allocated fairly among present and future generations.

Recognizing that the electricity infrastructure that has been built and the policy decisions that have been made will create benefits for years to come, costs should be allocated fairly over time, so that residential consumers in the future pay their fair share for the benefits that they receive from the investments already made.

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[1] FLS: please see the preamble of the *Green Energy Act, 2009*.

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PART I
GENERAL

Interpretation
Definitions
1xx. (1) In this Act,

"Board" means the Ontario Energy Board; ("French")

"clean energy adjustment" means the amount determined under section 10xx and payable by specified consumers; ("French")

"clean energy benefits" means the value of the benefits determined to be derived by or accruing to specified consumers as a result of the clean energy initiative, including as a result of clean energy costs; ("French")

"clean energy costs" means the value of the costs allocated to specified consumers as a result of the clean energy initiative, including as a result of past, present and expected costs incurred in respect of,

(a) the amounts to be paid or reflected by IESO in adjustments made under section 25.33 of the *Electricity Act, 1998* or any provision that is the successor to that provision, which relate to contracts or amounts for,

(i) renewable energy generation or capacity,

(ii) conservation and demand management,

(iii) energy storage,

(iv) energy efficiency,

(v) natural gas generation and capacity, excluding contracts relating to amounts payable by IESO under section 78.2 of the *Ontario Energy Board Act, 1998* and excluding such other contracts as may be prescribed,

(b) payments made or expected to be made under section 78.5 of the *Ontario Energy Board Act, 1998*, and

(c) such other costs or estimated costs as may be prescribed; ("French")

"clean energy initiative" means the policies of the Government of Ontario related to,

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(a) eliminating coal generation and fostering the growth of and investment in clean, modern and reliable energy sources and technologies.

(b) removing barriers to and promoting opportunities for clean and renewable energy sources and technologies,

(c) promoting conservation, demand management and energy efficiency, and

(d) investing in energy infrastructure to ensure a clean, modern and reliable system; ("French")

"electricity vendor"[2] means,

(a) a licensed distributor,

(b) a licensed retailer,

(c) IESO in circumstances where it directly invoices a specified consumer for electricity used in Ontario, or

(d) such other person as may be prescribed; ("French")

"fair allocation amount" means an amount calculated under section 15xx; ("French")

"finance amount" means the finance amount determined in accordance with the regulations; ("French")

"financing entity" means an entity established or caused to be established as described in subsection 17xx (3); ("French")

"Financial Services Manager" means the Financial Services Manager appointed under section 13xx; ("French")

"Financing Plan" means a plan prepared under section 16xx; ("French")

"funding obligation" means a payment obligation incurred by or on behalf of an investment interest owner to fund its ownership of an investment interest or a payment obligation that meets such other criteria as may be prescribed; ("French")

[2] FLS - this is similar to the definition of "electricity vendor" in the Ontario Rebate for Electricity Consumers Act, 2016

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"funding rebate" means a payment obligation incurred by IESO as part of the transfer of the regulatory asset; ("French")

"IESO" means the Independent Electricity System Operator continued under Part II of the *Electricity Act, 1998*; ("SIERE")

"IESO deferral" means the amount determined under section 20xx; ("French")

"investment asset" means the rights and interests described in section 25xx; ("French")

"investment interest owner" means a financing entity that has acquired and holds an investment interest; ("French")

"investment interest" means,

(a) an ownership interest in the investment asset, and

(b) in circumstances where the ownership interest is transferred, the rights and benefits specified in the agreement under which the interest is transferred; ("French")

"licensed distributor" means a person licensed under Part V of the *Ontario Energy Board Act, 1998* to own or operate a distribution system within the meaning of the *Electricity Act, 1998*; ("French")

"licensed retailer" means a person who is licensed under Part V of the *Ontario Energy Board Act, 1998* to retail electricity; ("French")

"Minister" means the Minister of Energy or such other member of the Executive Council as may be assigned the administration of this Act under the *Executive Council Act*; ("ministre")

"Ontario Power Generation Inc." means the corporation incorporated as Ontario Power Generation Inc. under the *Business Corporations Act* on December 1, 1998; ("Ontario Power Generation Inc.")

"prescribed" means prescribed by the regulations; ("prescrit")

"reference period" means,

(a) the period beginning on July 1, 2017 and ending on October 31, 2017, and

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(b) during the period beginning on November 1, 2017 and ending on April 30, 2047 or ending on such later day as may be prescribed,

(i) every six-month period following the period mentioned in clause (a); or

(ii) any period shorter than six months, as may be prescribed; ("French")

"refinancing" means, subject to the regulations, the incurrence of debt in connection with a redemption, repayment or repurchase of a funding obligation; ("French")

"regulation" means a regulation made under this Act; ("règlement")

"regulatory asset" means the right and interest established under section 21xx; ("French")

"specified consumer" means,

(a) a person who has an account with an electricity vendor for the supply of electricity in Ontario and meets the criteria set out in subsection (2); or

(b) such other person as may be prescribed; ("French")

"transfer" includes, when used in relation to an investment interest, the assignment, conveyance, disposition or sale of the investment interest; ("French")

"true up amount" means a true up amount determined in accordance with the regulations; ("French")

"unit sub-metering" has the same meaning as in the *Energy Consumer Protection Act, 2010*; ("activités liées aux compteurs divisionnaires d'unité")

"unit sub-meter provider" has the same meaning as in the *Energy Consumer Protection Act, 2010*; ("fournisseur de compteurs divisionnaires d'unité")

"variance account" means the variance account established by IESO under subsection 20.1xx (1). ("French")

Specified consumer

(2) For the purposes of clause (a) of the definition of "specified consumer" in subsection (1), the person must meet any one of the following criteria:

1. The person has a demand for electricity of 50 kilowatts or less, or such other amount as may be prescribed.

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2. The person annually uses not more than 250,000 kilowatt hours of electricity, or such other amount as may be prescribed.

3. The person carries on a business that is a farming business for the purposes of the *Farm Registration and Farm Organizations Funding Act, 1993* and either holds a valid registration number assigned under that Act or has had the obligation to file a farming business registration form waived pursuant to an order made under subsection 22 (6) of that Act.

4. The person's account with the electricity vendor relates to,

   i. a dwelling,

   ii. a property within the meaning of the *Condominium Act, 1998*,

   iii. a residential complex within the meaning of subsection 2 (1) of the *Residential Tenancies Act, 2006*, without regard to section 5 of that Act, or

   iv. a property that includes one or more housing units and that is owned or leased by a co-operative within the meaning of the *Co-operative Corporations Act*.

5. The person satisfies such criteria as may be prescribed.

Transfer of regulatory asset

(3) In this Act, a reference to the transfer of a specified portion of the regulatory asset is a reference to the following, as provided for in subsection 22xx (3):

1. A reduction in the balance in the variance account.

2. The adjustment of the regulatory asset.

3. The acquisition by a financing entity of the investment interest corresponding to the specified portion of the regulatory asset.

Effect of invalidity, etc.[3]

2xx. (1) For greater certainty, all of the provisions of this Act remain in full force and effect, even if one or more provisions are held to be invalid, the intention of the

[3] FLS: this is from the *Climate Change Mitigation and Low-carbon Economy Act, 2016*

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Legislature being to give separate and independent effect to the extent of its powers to every provision contained in this Act.

Same, funding obligation

(2) The fact that any provision of this Act is held to be invalid or ceases to be in effect for any reason does not affect the validity or enforceability of a funding obligation incurred before the day that the provision is held to be invalid or ceases to be in effect, or any rights or obligations associated with the funding obligation.

Purpose

3xx. (1) The purposes of this Act are:[4]

(a) to ensure that clean energy costs and clean energy benefits are fairly allocated among present and future specified consumers;

(b) to recognize that clean energy benefits have accrued and will accrue over time and will continue to benefit present and future electricity consumers in the Province; and

(c) to align clean energy costs with clean energy benefits, in order to provide fairness for specified consumers.

Crown bound

4xx. This Act binds the Crown.

Protection and assurances

Prohibition

5xx. (1) No action or omission by the Board, the Minister or the Crown shall be effective to reduce, impair, postpone or terminate the obligations of specified consumers to pay amounts in respect of the clean energy adjustment or to impair or postpone the invoicing, collection or remittance of the clean energy adjustment.

Agreements

(2) The Minister and the Minister of Finance may together, with the approval of the Lieutenant Governor in Council, enter into agreements on behalf of the Province of Ontario with any person in respect of this Act, including agreements regarding the performance of IESO or electricity vendors under this Act or similar transactions.

Guarantee, indemnification

(3) The Lieutenant Governor in Council may by order,

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[4] FLS: Please see the *Electricity Act, 1998* for much of the wording proposed in this section.

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(a) authorize the Minister and the Minister of Finance, acting together on behalf of the Province,

(i) to agree to guarantee or indemnify any debts, obligations, securities or undertakings associated with an investment interest, and

(ii) to determine terms and conditions of the guarantee or indemnity and the maximum liability for the guarantee or indemnity;

(b) specify terms and conditions that must be included in any guarantee or indemnity given by the Minister and the Minister of Finance; and

(c) specify a maximum liability for the guarantee or indemnity.

PART II
FAIR ADJUSTMENT

Definitions

6xx. In this Part,

"regulated rate consumer" means a specified consumer who meets the following criteria:

1. The consumer is a member of the class of consumers prescribed by the regulations made under the *Ontario Energy Board Act, 1998* for the purposes of subsection 79.16 (1) of that Act.

2. The consumer would, if the consumer were not subject to this Act, be invoiced the rate determined by the Board under clause 79.16 (1) (b) of the *Ontario Energy Board Act, 1998*. ("French")

Regulated rate consumer, first adjustments

6.1xx (1) Despite any order under subsection 78 (3.1) of the *Ontario Energy Board Act, 1998* and despite section 79.16 of that Act, the electricity rates payable by regulated rate consumers for the period beginning on July 1, 2017 and ending on April 30, 2018 are the rates, as determined by the Board, that would achieve the following outcome: a fictional regulated rate consumer who meets the prescribed criteria would be charged an invoice amount that is 25 per cent less than the invoice amount that would have been charged to that consumer under the comparison rates described in subsection (2).

Comparison rates

(2) The comparison rates are the rates that would have been effective May 1, 2017 if they had been determined by the Board solely using the method prescribed by the

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regulations made under clause 79.16 (1) (b) of the *Ontario Energy Board Act, 1998*, without taking into account any forecasted impact of any other provisions of this Act.

Invoice amounts

(3) Each invoice amount mentioned in subsection (1) shall be determined in accordance with the regulations.

Other specified consumers, first adjustment

6.2xx (1) For the period beginning on July 1, 2017 and ending on April 30, 2018, the adjustments made by the IESO under section 25.33 of the *Electricity Act, 1998* shall, with respect to specified consumers who are not regulated rate consumers, be further adjusted by electricity vendors in accordance with the determinations of the Board under subsection (2).

Board to make determinations

(2) The Board shall, in accordance with the regulations, determine the adjustments to be made by electricity vendors.

Same, regulations

(3) The regulations may specify different adjustments to be made in respect of prescribed classes of specified consumers who are not regulated rate consumers.

Determinations by Board

6.3xx The Board shall make the determinations mentioned in sections 6.1xx and 6.2xx no later than fifteen business days after the day this section receives Royal Assent and, regardless of whether the Board makes the determinations before or after July 1, 2017, the determinations shall be effective as of July 1, 2017.

Implementation by electricity vendors

6.4xx (1) As soon as possible after the Board makes determinations under section 6.3xx, each electricity vendor shall, in respect of electricity used on or after July 1, 2017, ensure that its invoices reflect the determinations of the Board.

Same

(2) The electricity vendor shall ensure that, if any of its specified consumers have been invoiced in a manner that does not reflect the determinations of the Board under section 6.3xx, the specified consumer receives the difference between the amounts shown on the invoice and the amounts reflecting the Board's determinations, provided as a lump sum credit on the first invoice issued after the electricity vendor has adapted its invoices or by such other means as may be prescribed.

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Subsequent adjustments

7xx. (1) Despite clause 79.16 (1) (b) of the *Ontario Energy Board Act, 1998* and subject to subsection (2), the Lieutenant Governor in Council may prescribe the methodology to be applied by the Board after April 30, 2018 for the purpose of determining,

(a) electricity rates for specified consumers; or

(b) adjustments to be applied by electricity vendors to the adjustments made by the IESO under section 25.33 of the *Electricity Act, 1998* in respect of prescribed classes of specified consumers.

Limitation

(2) Any prescribed methodology to be applied in respect of a period after June 30, 2021 shall have regard to the following:

1. The fair allocation amount in respect of the period.

2. Any clean energy adjustments payable in respect of the period.

3. Such other matters as may be prescribed.

Sub-metering

7.1xx (1) This section applies if a specified consumer provides to another person electricity in respect of which a determination of the Board referred to in section 6.3xx or section 7xx applies.

Same

(2) If an invoice for the electricity is issued to the person by the specified consumer or a unit sub-meter provider providing unit sub-metering for the specified consumer, the amount payable for the electricity by the person who is liable to pay the invoice shall be determined in accordance with the regulations.

PART III
CLEAN ENERGY ADJUSTMENT

Specified consumers to pay

8xx. (1) Upon receipt of an invoice from an electricity vendor that includes an amount in respect of the clean energy adjustment, a specified consumer shall pay the amount to the electricity vendor, as agent of the investment interest owners.

Same

(2) For greater certainty, subsection (1) applies regardless of,

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(a) whether the clean energy adjustment was determined in a manner that was inconsistent with this Act; and

(b) whether the amount payable in respect of the clean energy adjustment relates to funding obligations that were incurred in a manner that was inconsistent with the Financing Plan, including in a manner that failed to provide for the reasonable alignment of the estimated finance amount with the fair allocation amount.

Terms

(3) The payment shall be made in accordance with such terms of payment as may be specified in the invoice, which may include terms relating to late payment fees and interest charges.

Indebtedness of specified consumer

(4) An unpaid amount that is required to be paid by a specified consumer under this section constitutes indebtedness of the specified consumer to each investment interest owner to the extent of each owner's respective interest in the investment asset.

Same

(5) The indebtedness mentioned in subsection (4) is a single and separate debt obligation owed by the specified consumer and may be enforced independently from any other payment obligation or indebtedness owing by the specified consumer.

Unit sub-metering

(6) A specified consumer who provides electricity through sub-metering may collect amounts in respect of the clean energy adjustment payable under this section in accordance with the regulations.

Irrevocability of amount

9xx. (1) An amount in respect of the clean energy adjustment shown on an invoice issued to a specified consumer under this Act is determinative of the amount of the consumer's indebtedness resulting from the clean energy adjustment and is irrevocable upon invoicing the consumer and may not be set off or by passed.

Exception

(2) Subsection (1) does not apply to the extent that the invoice reflects a clerical, typographical or calculation-related error.

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Determination of clean energy adjustment
Financial Services Manager to determine

10xx. (1) The Financial Services Manager shall determine the clean energy adjustment payable by all specified consumers in respect of each month in a reference period by taking the following steps:

1. Calculate the sum of the following:
    i. The estimated finance amount in respect of the reference period.
    ii. The true up amount in respect of the reference period.
2. Divide the sum calculated under paragraph 1 by the number of months in the reference period.

Regulations re true up amount

(3) The Lieutenant Governor in Council shall, in making regulations with respect to the determination of the true up amount, have regard to the following principles:

1. The true up amount should serve to ensure that the collection of the clean energy adjustment is sufficient to pay the finance amount when it is due.
2. The method for determining the true up amount should take into account historical and reasonably foreseeable.
    i. differences between the estimated and actual finance amount for the applicable reference period.
    ii. differences between amounts invoiced and amounts collected due to various factors, including applicable taxes, consumer defaults and delays, billing lags and write-offs, and
    ii. variations in billings due to variations in electricity consumption.

Financial Services Manager to notify Board

(4) The Financial Services Manager shall, in accordance with the regulations, notify the Board of the clean energy adjustment in respect of a reference period and such other information related to the determination of the clean energy adjustment as may be prescribed.

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Board to determine rates

(5) Without changing the clean energy adjustment, the Board shall, in accordance with the regulations, determine the rate at which specified consumers are invoiced to recover the clean energy adjustment in respect of the reference period.

IESO to receive amounts

11xx. (2) IESO shall, as an agent of the investment interest owners, receive amounts in respect of the clean energy adjustment paid to it from electricity vendors in accordance with the regulations and the market rules made under section 32 of the *Electricity Act, 1998*.

Account

(3) All of the following amounts received by IESO shall, until paid to or for the benefit of the investment interest owners in accordance with subsection (5), be deposited promptly into an account established for the purposes of receiving those amounts:

1. Amounts described in subsection 11xx (2).

2. Payments made by specified consumers directly to IESO as electricity vendor under subsection 8xx (1).

3. Proceeds of amounts described in paragraphs 1 and 2.

Same, held in trust

(4) All amounts received by IESO in respect of the clean energy adjustment shall, until paid to or for the benefit of the investment interest owners, be received and held in trust by IESO for the investment interest owners.

IESO to remit

(5) IESO shall remit amounts received by it in respect of the clean energy adjustment, inclusive of interest earned on the accounts referred to in subsection (2), to or for the benefit of the investment interest owners in accordance with the regulations.

Electricity vendor to invoice specified consumers

12xx. (1) Each electricity vendor shall issue an invoice to each of its specified consumers for the amount payable by the consumer in respect of the clean energy adjustment, as determined by applying the rate set by the Board under subsection 10xx (5) and in accordance with the regulations.

Electricity vendor to report

(1.1) Each electricity vendor shall, in accordance with the regulations, promptly report to IESO the total amount invoiced to its specified consumers in respect of the clean

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energy adjustment, the amount collected and such other information as may be prescribed.

Electricity vendor to collect

(2) Each electricity vendor shall, as agent of the investment interest owners, collect amounts in respect of the clean energy adjustment from specified consumers in accordance with the regulations.

Pro rating of payments

(3) If an electricity vendor receives a payment made by or on behalf of a specified consumer in respect of amounts payable under one or more invoices and the amount paid is less than the total amount payable, the electricity vendor shall allocate the payment on a pro rata basis to the clean energy adjustment and other amounts payable under the relevant invoices in respect of electricity charges in respect of the same invoice period.

Held in trust

(4) Payments received by an electricity vendor from or on behalf of specified consumers in respect of the clean energy adjustment and all proceeds of the payments shall, until paid to or for the benefit of the investment interest owners in accordance with subsection (5), be received by and held by each electricity vendor in trust for the benefit of the investment interest owners.

Remittance to IESO

(5) Each electricity vendor shall remit amounts in respect of the clean energy adjustment to IESO for the benefit of the investment interest owners in accordance with the regulations.

PART IV
IMPLEMENTATION

Financial Services Manager

Appointment

13xx. Ontario Power Generation Inc. is appointed as the Financial Services Manager for the purposes of this Act.

Duties and powers

14xx. (1) The Financial Services Manager shall perform the duties assigned to it under this Act and may administer the investment asset on behalf of the investment interest owners.

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Same

(2) The administration of the investment asset may include providing information to IESO in respect of obligations under Part III and such other activities as may be prescribed.

Fees, etc.

(3) Subject to any prescribed limitations, the Financial Services Manager may establish and charge fees in relation to such matters as may be prescribed in accordance with the regulations.

Same, Board approval

(4) Before establishing fees under subsection (3), the Financial Services Manager shall submit them to the Board for approval in accordance with the regulations.

FAIR ALLOCATION AMOUNT

Minister to calculate fair allocation amount

15xx. (1) Subject to subsections (2) and (3), before the first funding obligation is incurred, the Minister shall calculate a fair allocation amount in respect of each reference period, applying such method as the Minister considers appropriate and in accordance with the following steps:

1. Determine the estimated clean energy costs and estimated clean energy benefits allocated to specified consumers in respect of the reference period.

2. Determine the estimated reduction in the amounts payable by specified consumers as a result of rates determined under Part II in respect of all previous reference periods, including the estimated reduction in clean energy costs described in clause (a) of the definition of "clean energy costs" in subsection 1 (1) that would otherwise have been payable by specified consumers in the absence of this Act.

3. Determine the amount, if any, by which the determination under paragraph 1 exceeds the determination under paragraph 2.

4. Calculate the sum of the amount determined under paragraph 3 and such other amounts as may be prescribed.

Principles

(2) In calculating the fair allocation amount, the Minister shall have regard to the following principles:

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1. The purpose of calculating the fair allocation amount is to measure and allocate the estimated clean energy costs and estimated clean energy benefits fairly among the specified consumers in respect of each reference period.

2. Calculations should be made having regard to the need to align each fair allocation amount with the estimated finance amount payable during the reference period.

3. Estimated clean energy costs allocated to specified consumers in respect of a reference period should be allocated in proportion to the estimated clean energy benefits attributed to the specified consumers in respect of the reference period.

4. Such other principles as may be prescribed.

Assumptions

(3) In calculating the fair allocation amount, the Minister shall make such assumptions as the Minister considers to be reasonable regarding the following:

1. The time value of money or the rate of inflation, for the purpose of equating nominal amounts over time.

2. The expected number of specified consumers in respect of each reference period.

3. The expected electricity consumption rates in respect of each reference period.

4. Such other assumptions as may be prescribed.

Minister to provide amount to Financial Services Manager

(4) The Minister shall provide the fair allocation amount in respect of each reference period to the Financial Services Manager.

Recalculation

(5) A calculation of the fair allocation amount under this Part may be changed by such person as may be prescribed in accordance with such requirements as may be prescribed.

Same

(6) No change under subsection (5) shall affect any clean energy adjustment that has already been determined under section 10xx or any funding obligations that have already been incurred before the change.

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Information

(7) The Minister, IESO, the Financial Services Manager, the Board and electricity vendors shall provide such information as may be prescribed in accordance with the regulations for the purposes of facilitating a change to a calculation of the fair allocation amount.

FINANCING PLAN

Financial Services Manager to prepare Financing Plan

16xx. (1) The Financial Services Manager shall prepare a written plan entitled the Financing Plan to be used by the Financial Services Manager to evaluate whether potential funding obligations should be incurred for the purposes of acquiring and financing an investment asset in accordance with this Act or for the purposes of a refinancing.

Plan to be provided to Minister

(1.1) The Financial Services Manager shall provide the Financing Plan to the Minister.

Principles

(2) In preparing the Financing Plan, the Financial Services Manager shall have regard to the following principles:

1. Funding obligations should be incurred such that, along with any funding obligations already incurred, the estimated finance amount that would, subject to any refinancing, become due and payable during a reference period will reasonably align with the fair allocation amount determined in respect of the reference period, in each case after reducing the fair allocation amount to reflect determinations of the Board under Part II in respect of the reference period.

2. Incurrences should be implemented in a manner that, in the opinion of the Financial Services Manager, is reasonable, cost effective and that reflects prevailing market terms and conditions.

3. Reasonable assumptions should be made regarding such matters as may be prescribed.

Limitation

(4) In respect of each reference period from May 1, 2017 to April 30, 2021, no funding obligation shall be incurred that would result in amounts payable in respect of the clean energy adjustment in respect of the reference period unless,

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(a) the amounts are payable in respect of a reference period in respect of which the Board has not made any determinations under Part II; or

(b) if the Board has made a determination under Part II in respect of the reference period, the funding obligations incurred would not result in amounts payable in respect of the clean energy adjustment during the reference period in an amount that exceeds the limit determined in accordance with the regulations.

Other reports

(3.1) The Financial Services Manager shall submit to the Minister such reports and information as the Minister may require from time to time and shall, if required by the Minister to do so, examine, report and advise on any question relating to the Financing Plan.

Amendments to plan

(6) The Financial Services Manager may amend the Financing Plan at any time.

Same

(7) In the event that the Financing Plan is amended, any reference in this section to the Financing Plan is deemed to be a reference to the plan as amended.

Implementation of Financing Plan

17xx. (1) The Financial Services Manager shall ensure that funding obligations incurred for the purposes of this Act are incurred in a manner that is consistent with the applicable Financing Plan.

Financing entities

(3) In accordance with the Financing Plan, the Financial Services Manager may establish or cause to be established one or more financing entities that may incur funding obligations.

Prohibition

(3.1) The Financial Services Manager shall not provide for funding obligations to be incurred with any recourse to any assets of an electricity vendor, the Board, Ontario Power Generation Inc., the Province or the Lieutenant Governor in Council, except to the extent that any of these persons or entities may be liable to perform obligations or duties arising under this Act or under the express terms of a funding obligation or other agreement.

Effect of amendment to fair allocation amount

(4) Each funding obligation incurred and each transfer made by a financing entity is deemed to be consistent with the Financing Plan and to provide for the reasonable alignment of the estimated finance amount with the fair allocation amount.

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Same

(2) For greater certainty, subsection (4) applies despite the failure of the Financial Services Manager to comply with subsection (1).

PART V
THE REGULATORY ASSET

IESO deferral

20xx. (1) The IESO deferral for each month, commencing May 1, 2017, shall be determined by IESO in accordance with the regulations.

Same, retrospective amounts

(1.1) For greater certainty, the regulations may provide for the IESO deferral to include an amount that was incurred by IESO on or after May 1, 2017 and before the day this Act comes into force.

Electricity vendors to provide information

(2) Electricity vendors shall provide to IESO such information as IESO may reasonably request for the purposes of determining the IESO deferral under subsection (1) and such further information as may be prescribed.

Same

(3) IESO may rely on information provided by electricity vendors for the purposes of the determination under subsection (1).

Variance account to be established, maintained

20.1xx (1) IESO shall establish and maintain a variance account for the purposes of this section.

Recording in variance account

(2) IESO shall record the following in the variance account:

1. The IESO deferral for each month.
2. All payments received by IESO resulting from the exercise of the right of recovery under section 21xx and any transfer under section 22xx.
3. Such other adjustments as may be prescribed, including adjustments in respect of the period that commences on or after May 1, 2017 and before the day this section comes into force.

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Recording determinative

(3) Subject to the correction of any obvious error by IESO, its recording of the balance in the variance account is determinative of the balance as of the time of the recording.

Rights of investment interest owner

(4) No change made by IESO to the balance in the variance account shall, if the previous balance was relied upon by an investment interest owner in the context of a transfer under section 22x, affect the rights acquired by the investment interest owner under the transfer.

Regulatory asset established

21xx. (1) Effective May 1, 2017, IESO has the right, exercisable in accordance with this Act and the regulations, to recover the balance recorded in the variance account from specified consumers.

Board to set rates

(2) Subject to subsection (3), the Board shall, from time to time, determine and set rates payable by specified consumers to allow for IESO to recover the balance recorded in the variance account.

Limitation

(3) IESO shall not be entitled to collect all or part of the balance recorded in the variance account from specified consumers before May 1, 2021.

Same, limitations

(4) The Board's powers under subsection (3) shall be exercised in accordance with the regulations.

Transfer of regulatory asset

22xx. (1) IESO may from time to time, in accordance with this Act and the regulations, transfer a specified portion of the regulatory asset to a financing entity in accordance with this section.

Agreement

(2) An agreement between IESO and a financing entity in relation to the transfer of a specified portion of the regulatory asset shall provide for consideration of a payment by the financing entity to IESO in an amount equal to the amount of the specified portion.

Effect of payment

(3) Upon receipt by IESO of the payment by the financing entity,

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(a) the balance in the variance account shall be reduced by the amount of the payment;

(b) the regulatory asset shall be adjusted accordingly;

(c) the financing entity shall acquire a corresponding investment interest; and

(d) IESO shall retain no further right, title or interest in the corresponding investment interest.

Validity of transfer

23xx. (1) A transfer of a specified portion of the regulatory asset under section 22xx constitutes a valid and enforceable absolute assignment, conveyance and sale of the corresponding investment interest to the transferee.

Same

(2) Without limiting subsection (1), any transfer agreement that states an intention of the parties for IESO to dispose of a specified portion of the regulatory asset and to assign, convey or sell a corresponding investment interest shall be treated for all purposes as an absolute assignment, conveyance, disposition and sale of IESO's right to recover the corresponding amount in the variance account and not merely as a security interest.

Deemed perfection, etc.

(3) At the time a transfer of the regulatory asset is made under section 22xx, the transfer shall be deemed to have been and shall be perfected, vested, valid and binding as against the transferor and all other persons who have claims of any kind against the transferor.

Priority of transfer

(4) Subsection (3) applies regardless of whether the persons who have claims have received notice of the transfer and the property rights and interests acquired by the transferee shall have priority over any liens in favour of those persons.

PART VI
THE INVESTMENT ASSET

Effect of transfer

24xx. (1) The transfer of a specified portion of the regulatory asset under section 22x creates an investment asset or, if it is not the first transfer, adds to the investment asset.

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Same

(1.1) Upon transfer of a specified portion of the regulatory asset under section 22xx to a financing entity, the investment asset resulting from the transfer is immediately vested in the financing entity, free and clear of any adverse claim.

Investment asset established

25xx. (1) The investment asset constitutes a current and irrevocable property right and interest consisting, collectively, of the following rights and interests of investment interest owners:

1. The right and interest to impose, invoice, collect, receive and recover the clean energy adjustment from specified consumers, including the right to determine the clean energy adjustment in accordance with this Act.

2. The right to receive, collect and recover the clean energy adjustment that are imposed, invoiced and recoverable under this Act, including any amounts in respect of the clean energy adjustment that are held by electricity vendors, IESO and other prescribed parties.

3. All rights and entitlements under such accounts as may be prescribed by regulation and all amounts on deposit in such accounts.

4. The right to enforce the duties and obligations under this Act of each electricity vendor to impose, attribute, charge and invoice for the clean energy adjustment.

5. The right to enforce the duties and obligations under this Act of each electricity vendor and IESO to collect, receive and remit amounts received by it in respect of the clean energy adjustment, including all collections and the proceeds of any enforcement action undertaken by any electricity vendor to recover payment of the clean energy adjustment.

6. All rights of any kind related to any of the other property rights or interests that comprise the investment interest, including any rights to receive funding rebates.

7. All revenue, collections, claims, payments, money and proceeds of or derived from the rights described in paragraphs 1 to 6, regardless of whether it is invoiced, collected and maintained together with or commingled with other revenue, collections, claims, payments, money and proceeds.

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Not affected by failure to impose etc. clean energy adjustment

(1.1) An investment interest is not affected by any failure to impose, attribute, invoice, accrue or collect amounts in respect of the clean energy adjustment.

No set off, etc.

(2) The investment asset shall not be set off,

(a) by a consumer, an electricity vendor, IESO, an agent of the investment interest owners or an owner in the Province of a distribution system within the meaning of the *Electricity Act, 1998*;

(b) in connection with any default of a person mentioned in clause (a); or

(c) by any affiliate or successor of a person mentioned in clause (a).

Exercise of rights

(3) The rights of the investment interest owners to collect and enforce their rights and interests in, to and in respect of the investment asset against a specified consumer shall be exercised in accordance with Part III of this Act.

Collective action required

(4) If one investment interest owner owns a right or interest in the investment asset that comprises less than the entire property right and interest constituted by the investment asset, the right or interest shall only be enforced by the investment interest owner collectively and in coordination with all other investment interest owners, and any agreement among that collective in furtherance of the collective action shall be valid and binding on the investment interest owners as a collective in accordance with its terms.

Transfer of investment interest

26xx. An investment interest owner may transfer all or a portion of an investment interest to any other investment interest owner, including by way of a transfer of a divided or an undivided interest, in accordance with the Financing Plan.

Validity of transfer

27xx. (1) A transfer of an investment interest under this Act is a valid and enforceable sale and absolute transfer of the investment interest and confers upon the transferee a valid property right and interest in, to and under the applicable investment interest acquired in accordance with the terms of the transfer.

Same

(2) Without limiting subsection (1), a transfer that by its terms is intended to constitute a sale or absolute transfer shall be treated for all purposes as an absolute transfer of an investment interest owner's right, title and interest in, to and under an

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investment interest, and not merely as a security interest, and upon such absolute transfer the transferor shall retain no right, title or interest in the investment interest, subject to the transfer, including all rights to the investment interest arising after the transfer.

Deemed perfection, etc.

(3) At the time a transfer of an investment interest is made, the transfer shall be deemed to have been and shall be perfected as described in the *Personal Property Security Act*, vested, valid and binding as against the transferor and all other persons who have claims of any kind against the transferor.

Priority of transfer, assignment, etc.

(4) Subsection (3) applies regardless of whether the persons who have claims have received notice of the transfer, and the property rights and interests acquired by the investment interest owner shall have priority over any liens in favour of such other persons.

Investment interest owner may grant security interest

28xx. (1) An investment interest owner may grant a security interest over all or a specified portion of its right, title and interest in, to and under the investment interest to or in favour of any person to secure a funding obligation.

Validity

(2) A security interest granted under this Act shall be valid and enforceable in accordance with its terms.

Perfection and priority of security interests

(3) All provisions of the *Personal Property Security Act* shall apply to the investment asset and each investment interest on the basis that the investment asset and each investment interest is intangible personal property, except as otherwise provided for in this section, and any granting of a security interest by an investment interest owner to secure a funding obligation shall, subject to the terms of the funding obligation, give rise to a security interest in respect of which that Act applies and may be perfected by filing a financing statement under that Act on that basis.

Proceeds

(4) All proceeds of an investment interest that are subject to the security interest and that are received by the applicable investment interest owner shall immediately be subject to the security interest and shall be perfected without any physical delivery of the proceeds, registration of any financing statement or any further act.

Perfection

(5) The security interest shall be a continuously perfected security interest and shall have priority over any other lien, created by operation of law or otherwise, that may

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subsequently attach to the property rights and interests in the investment interest subject to the security interest, subject to the written consent of the person to whom the security interest has been granted.

Same

(6) The person to whom the security interest has been granted shall have a perfected security interest in revenues or other proceeds that are deposited in any account of any electricity vendor, an agent of an electricity vendor or other person who may have commingled such revenues or other proceeds with other funds.

Notice required

(7) The secured party shall be entitled to exercise the rights of an investment interest owner only after the secured party has given notice of the enforcement of its security interest to IESO.

Definition

(8) For the purposes of this section, a security interest is perfected when it is perfected as described in the *Personal Property Security Act*.

PART VII
MISCELLANEOUS

Appointment of agent, invoicing or collection

29xx. If a prescribed circumstance applies, the Lieutenant Governor in Council may by regulation appoint a person to carry out some or all of the obligations of an electricity vendor under this Act in the place of an electricity vendor with respect to invoicing or collection.

Not Crown agent

30xx. For greater certainty, a person appointed under section 29xx is not an agent of the Crown for any purpose, despite the *Crown Agency Act*.

Board's authority

30.1xx (1) Each electricity vendor, IESO and the Financial Services Manager shall maintain such accounts and provide such information to the Board as the Board may require for the purposes of carrying out its responsibilities under this Act, in the form and manner and within the time required by the Board.

No hearing required

(2) Despite anything to the contrary in the *Ontario Energy Board Act, 1998*, the Board may exercise any of its responsibilities under this Act without a hearing.

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Sequestration

31xx. (1) A court in the Province may, upon application by an investment interest owner or a secured party, order the sequestration and payment of amounts in respect of the clean energy adjustment, collections and remittances, as applicable, for the benefit of the investment interest owner or secured party by any person or entity authorized to collect amounts in respect of the clean energy adjustment, including defaults on any required remittance of amounts in respect of the clean energy adjustment, collections or remittances.

Same

(2) An order under subsection (1) does not limit any other remedies available to the applicant.

Choice of law

32xx. The law governing, as applicable, the validity, enforceability, attachment, perfection, priority and exercise of remedies with respect to a transfer under this Act or the creation of a security interest in the regulatory asset, the investment asset, the clean energy adjustment or the undertaking of the Crown under section 5XX shall be the laws of the Province.

Conflict

33xx. The provisions of this Act and the regulations apply despite any provision of any other Act regarding the attachment, assignment or perfection, or the effect of perfection or priority of any transfer or security interest.

No further approvals, etc.

34xx. Despite any requirement under any Act, no approvals, notices or authorizations other than those specified in this Act are required to be taken under the Financing Plan or in relation to the determination of the fair allocation amount.

Liability

35xx. (1) No action or other civil proceeding shall be commenced against any employee of the Province or Ontario Power Generation Inc. for any act done in good faith in the exercise or performance or the intended exercise or performance of a power or duty under this Act, the regulations under this Act or for any alleged neglect or default in the exercise or performance in good faith of such a power or duty.

Same

(2) Nothing in subsection (1) shall be read as limiting the effect of subsection 19 (1) of the *Electricity Act, 1998* or subsection 11 (1) of the *Ontario Energy Board Act, 1998*.

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Same

(3) Despite subsections 5 (2) and (4) of the *Proceedings Against the Crown Act*, subsection (1) does not relieve the Crown of liability in respect of a tort committed by a person mentioned in subsection (1) to which it would otherwise be subject.

References in marketing materials and offering documents

36xx. No person shall include, in marketing materials or offering documents relating to the financing of funding obligations, references to any rights, obligations, guarantees or undertakings arising under section 5xx unless the prescribed requirements, if any, are satisfied.

Regulations

38xx. (1) The Lieutenant Governor in Council may make regulations in respect of the following matters:

1. [5]Governing anything that is required or permitted to be prescribed or that is required or permitted to be done by, or in accordance with, the regulations or as authorized, specified or provided in the regulations.

2. Defining, for the purposes of a regulation, words and expressions used in this Act that are not defined in the Act.

3. Prescribing types of payment obligations that constitute funding obligations.

4. Governing the determination of classes of specified consumers, which may include determination based on the manner in which rates are determined for different classes of specified consumers.

5. Governing the determination of the finance amount and the true-up amount and how those amounts are to be applied to the clean energy adjustment.

6. Governing the inclusion of information under this Act on or with invoices, which may include requiring notice to be provided by electricity vendors to specified consumers and other prescribed persons regarding the adjustments, including providing for different requirements in different circumstances and for different classes of specified consumers.

7. Governing the inclusion of information about the clean energy adjustment and any other matters provided for under this Act on or with invoices issued to specified consumers, including the form that the information must take and the

[5] FLS - see s. 78 (1) of the Climate Change Mitigation and Low-carbon Economy Act, 2016 - paras. 1 and 2

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form of the invoices and the form of any notice to be provided to the specified consumer under this Act[6];

8. Governing the manner by which invoices or notices provided for under this Act are to be provided to specified consumers and other prescribed persons.

9. Governing the Financial Services Manager's power to establish and charge fees, including the ability to recover costs and expenditures and to earn a return.

9.1 Providing for a right of compensation for investment interest owners affected by a breach of section 25xx and the manner in which such a right may be enforced under this Act.

10. Prescribing the time within which any action required by this Act may be required to be done.

11. Providing for such other matters as the Lieutenant Governor in Council considers advisable to carry out the purpose of this Act

Limitation

(2) Despite subsection (1) or any other Act, no regulation under this Act shall have the effect of reducing, impairing, postponing or terminating the obligations of specified consumers to pay amounts in respect of the clean energy adjustment or impairing or postponing the invoicing, collection, remittance or recovery of the clean energy adjustment.

PART VIII[7]
AMENDMENTS TO OTHER ACTS

ELECTRICITY ACT, 1998

200x. (1) Subsection 6 (1) of the *Electricity Act, 1998* would be amended by adding the following clauses:

(q.0.1) to exercise the powers and rights and to perform the duties and obligations assigned to it under the *Ontario Fair Hydro Plan Act, 2017* and to engage in activities to facilitate the implementation of the *Ontario Fair Hydro Plan Act, 2017*, including.

[6] FLS - see *OEBA s.79.17 and 88(1)(z.11) and (z.12)*

[7] FLS. These amendments are drawn from previous drafting contained in gov2016 146.e05 (which was drafted as amendments to the EA, 1998).

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(i) entering into agreements or arrangements with any person for the purposes of the *Ontario Fair Hydro Plan Act, 2017*;

(ii) engaging in activities related to making payments to and receiving payments as contemplated under the *Ontario Fair Hydro Plan Act, 2017* and to engage in related settlement activities;

(iii) engaging in activities related to the transfer and administration of the regulatory asset created under the *Ontario Fair Hydro Plan Act, 2017*, which activities may include,

(A) incurring liabilities in relation to the regulatory asset,

(B) transferring the regulatory asset under section 22x for consideration, and

(C) acting as a recovery agent under the *Ontario Fair Hydro Plan Act, 2017*;

200.1xx (1) Subsection 25.33 (1) of the Act would be amended by striking out "and" at the end of clause (a), by adding "and" at the end of clause (b) and by adding the following clause:

(c) such amounts as may be prescribed that are paid or incurred by IESO in relation to the *Ontario Fair Hydro Plan Act, 2017*;

(1.1) Subsection 25.33 (2) of the Act would be amended by striking out "and" at the end of clause (a), by adding "and" at the end of clause (b) and by adding the following clause:

(c) such amounts as may be prescribed that are paid or incurred by IESO in relation to the *Ontario Fair Hydro Plan Act, 2017*;

(2) Subsection 25.33 (3) of the Act would be amended by adding the following paragraph:

4. A consumer who is a specified consumer within the meaning of the *Ontario Fair Hydro Plan Act, 2017* or such other consumer as may be prescribed.

(3) Clause 25.33 (4) (b) of the Act would be amended by adding "or as may be required by a regulation made under this Act or the *Ontario Fair Hydro Plan Act, 2017*" at the end.

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(4) Subsection 25.33 (5) of the Act would be amended by adding "or under the *Ontario Fair Hydro Plan Act, 2017*" at the end

201x. Section 53.1 of the Act would be amended by adding the following subsections:

Same, *Ontario Fair Hydro Plan Act, 2017*

53.1 (1.1) In addition to the objects mentioned in subsection (1), the objects of Ontario Power Generation Inc. include exercising the powers and rights and performing the duties and obligations assigned to it under the *Ontario Fair Hydro Plan Act, 2017* and engaging in activities to facilitate the implementation of that Act, including entering into contracts and undertakings on behalf of financing entities and performing other services on behalf of financing entities, subject to the right to be paid by the financing entities for those services.

Subsidiaries, etc.

(1.2) Ontario Power Generation Inc. may create or invest in one or more subsidiaries, trusts, partnerships or special purpose entities in order to more efficiently conduct its activities or achieve its objects.

Deemed assets, non-subsidiary

(1.3) Despite any other provision of this Act, the *Business Corporations Act* or any other Act, if a financing entity is not a subsidiary of Ontario Power Generation Inc.,

(a) the assets and liabilities of the financing entity shall not form part of the assets and liabilities of Ontario Power Generation Inc. or any of its subsidiaries; and

(b) the assets and liabilities of Ontario Power Generation Inc. or any of its subsidiaries shall not form part of the assets and liabilities of the financing entity.

Deemed assets, subsidiary

(1.4) Despite any other provision of this Act, the *Business Corporations Act* or any other Act, if a financing entity is a subsidiary of Ontario Power Generation Inc.,

(a) the assets and liabilities of that financing entity shall not form part of the assets and liabilities of Ontario Power Generation Inc. or any of its other subsidiaries; and,

(b) the assets and liabilities of Ontario Power Generation Inc. or any of its other subsidiaries shall not form part of the assets and liabilities of that financing entity.

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Definition, financing entity

(1.5) For the purposes of this section, "financing entity" has the same meaning as in the *Fair Hydro Plan Act, 2017.*

AMENDMENTS TO ONTARIO ENERGY BOARD ACT, 1998

205x. Subsection 70 (2.1) of the Act would be amended by adding the following paragraph:

4. The licensee is required to comply with the *Ontario Fair Hydro Plan Act, 2017.*

205.1x Section 70 of the Act would be amended by adding the following subsection:

(2.3) Every licence issued to a unit sub-meter provider is deemed to contain the condition that the unit sub-meter provider is required to comply with the *Ontario Fair Hydro Plan Act, 2017* and the regulations made under it.

206x. Section 78.1 of the Act would be amended by adding the following subsection:

Same, limitation re Ontario Power Generation Inc.

(3) The determination of a payment to Ontario Power Generation Inc. under this section shall not include any consideration of amounts related to activities of Ontario Power Generation Inc. carried out in relation to the *Ontario Fair Hydro Plan Act, 2017.*

Same

(3.1) The amounts referred to in subsection (3) include, without limitation, the following:

1. Amounts related to the appointment of Ontario Power Generation Inc. as the Financial Services Manager under the *Ontario Fair Hydro Plan Act, 2017.*

2. Amounts related to the charging of fees for performing duties as the Financial Services Manager.

3. Amounts related to exercising the powers and performing the duties of the Financial Services Manager.

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4. Amounts related to the consolidation of the assets and liabilities for accounting purposes of any special purpose financing entities established under and for the purposes of that Act.

207xx. Subsection 79.16 (3) of the Act would be repealed.

PART IX
COMMENCEMENT AND SHORT TITLE

Short Title - this proposal for legislation would, if approved by the Legislature, have a short title to be determined by Government.

Timing – this proposal for legislation would, if approved by the Legislature, come into force on a date to be established by Government.

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EY
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The Special Committee of the Board of Directors
Ontario Power Generation Inc. (the "Company")
700 University Avenue
Toronto, ON M5G 1X6

May 5 2017

Dear Sirs/Madames,

This letter is being issued to the Special Committee to assist them in their evaluation of management's analysis of the application of International Financial Reporting Standards ("IFRS") as adopted by the International Accounting Standards Board ("IASB")) to the specific transaction described in the Company's memorandum entitled *OPG Accounting Considerations of Ontario Fair Hydro* dated May 2 2017, herein referred to as "the Management Memorandum". We are issuing this letter in our role as auditors of the Company for the year ending December 31, 2017. As the Province consolidates OPG on an IFRS basis, this letter pertains solely to management's IFRS analysis as contained in the Management Memorandum.

We have read the Management Memorandum and we agree with management's analysis therein, subject to all of the assumptions and limitations identified therein. Specifically, we concur that the existing in draft legislation, along with the yet undrafted Regulation and special purpose vehicle (TRUST) documents, and various other agreements assuming they include the required criteria that Management has identified as outstanding in its Appendix A, would be sufficient to support consolication of the TRUST with OPG Inc.

Additionally, we specifically refer you to the section entitled "Conclusion" in the Management Memorandum, which indicates that their analysis is based on draft legislation as well as their assumptions regarding the terms and conditions of certain contractual arrangements and other documentary evidence that is not yet drafted. Therefore, the Management Memorandum will be required to be updated to reflect the final contents of the legislation and other relevant contractual arrangements and documentary evidence. We will review the updated Management Memorandum once it is available, and update you on our viewpoints once our review of such updated Management Memorandum is completed.

The scope of this letter and any views expressed herein are limited to the transactions, facts, circumstances and assumptions provided to us by management or the Company as described in the Management Memorandum. If such facts, circumstances or assumptions differ, our conclusions may change.

We have not performed an audit or a review of the Management Memorandum. Additionally, we have not performed an audit as of any date or for any period subsequent to December 31, 2016.

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The ultimate responsibility for the proper accounting treatment under IFRS and US GAAP rests with the Company.

We have not been asked for, nor do we express, an opinion on the tax consequences of the transactions described herein.

The accounting for such transactions could be affected by actions of the International Accounting Standards Board, the IFRS Interpretations Committee, the Ontario Securities Commission, or other regulatory bodies. Any such actions occurring prior to the finalization of the 2017 IFRS consolidated financial information will be required to be analyzed by management, and such analysis will be reviewed by us in the context of the audit procedures we will perform on the consolidated IFRS financial information for the year ending December 31, 2017.

Our work does not include the provision of legal advice and we make no representations regarding questions of legal interpretation of any possible structure or strategy. We make no representation regarding the sufficiency of our work for any purpose.

This report is intended solely for the information and use of the Special Committee, Board of Directors and management. We understand that a copy of this letter may be provided to the Province of Ontario, the Independent Electricity System Operator, and/or the Ontario Energy Board. It is not intended to be, and should not be, used by anyone other than these specified parties.

This analysis, or portions thereof, should not be referred to or distributed to any other person or entity, other than those noted in the paragraph directly above. It is not to be referred to or quoted, in whole or in part, in any registration statement, prospectus, public filing, loan agreement, or other agreement or document.

Yours sincerely,

Ernst & Young LLP

Chartered Professional Accountants
Licensed Public Accountants

Tracy E Brennan
Partner
416-943-2615

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Accounting Topic Discussion Paper
Ontario Power Generation (OPG)

May 2, 2017

ONTARIO POWER GENERATION

OPG ACCOUNTING CONSIDERATIONS OF ONTARIO FAIR HYDRO PLAN

Purpose:

The purpose of this document is to summarize the preliminary views of Ontario Power Generation (OPG) on the ability for OPG to consolidate the Financing Entity Trust associated with the Ontario Fair Hydro Plan.

This memo is assessed against the Legislation proposal 'Ontario Fair Hydro Plan Act, 2017, if enacted V6' sent by Carolyn Calwell on May 1, 2017. Note that this assessment is preliminary pending the finalization of the Legislation, the Trust indentures, Regulations, financing structure and other detailed terms, and all related documentary evidence. This assessment will be updated once final documentation is available.

Background:

On March 2, 2017, the Province of Ontario (the Province) announced Ontario's Fair Hydro Plan (the Plan) aimed at reducing electricity bills by 25 percent on average for all residential consumers in the province. As part of the Plan, the Province has proposed financing a portion of the Global Adjustment costs over a longer time period for Regulated Price Plan eligible customers (e.g., residential, farm, small businesses).

On April 13th, the Province requested that OPG consider administering the financing associated with the Plan, because of OPG's participation in the market, regulatory knowledge and the potential ability to consolidate the related financing activities. To undertake this financing, OPG will establish a Financing Entity Trust (the Trust) to finance and administer the Global Adjustment costs through a mixture of external financing and an equity injection from the Ontario Financing Authority. It is expected that OPG will control the Trust for accounting purposes and that its financial position and results will be consolidated within OPG's consolidated financial statements.

Assumptions made to perform accounting analysis which are not yet addressed in Legislation – it is expected that these matters will be addressed in Regulations, Trust documents, and various other agreements:

- The Regulation must require interest, carrying and administrative costs to be paid to the Trust in cash on a monthly basis, so that the Trust is able to recognize appropriate revenue to offset any ongoing costs.
- The Regulations, Trust documents and various agreements will provide that OPG will have significant variability and exposure from the activities of the Trust relative to the rate of return that OPG would recognize from its role as the Financial Services Manager of the Trust. The performance fee will be meaningful and allow OPG to make decisions that will significantly impact its returns.
- The Minister of Energy will have the ability to replace the Financial Services Manger (OPG) if there is a failure to perform. There will be a bifurcation of roles where the Province could not remove OPG as manager/administrator with respect to the existing debt placed by the Trust, but could remove OPG's responsibility/right to prepare the Financing Plan going forward. The ability for the Minister of Energy to remove OPG as the Financial Services Manager should not impact the recoverability of existing intangible assets.

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- The calculation of the Fair Allocation Amount will be performed by the Minister of Energy.
- OPG has the ability to appoint and remove the Trustee (or Board of Trustees) and there are no veto rights by the Province. No party has the ability to remove OPG from its role and authority in the Trust.
- Neither the OEB nor any other party can discretionally reduce the management fee or performance fee except due to a calculation error.
- The margin on the interest rates associated with Tranche B and Tranche C which will be recovered from the ratepayers will be reflective of the risk profile of the debt and the associated market terms.
- The indemnification provided to the Trust by the Minister of Finance on behalf of the Province as described in *Part I – General - Section 5.3 Guarantee, indemnification Protection and assurances* will be subject to terms and conditions in a separate Provincial support agreement. The guarantee is expected to be in place only in the event of a Payment Guarantee Event, such as if the Legislative Assembly of Ontario repeals the Fair Hydro Act or amends the Act in a way that adversely impacts the ability of the Trust to fully recover an intangible asset in order to pay the obligations of the Trust.
- The approval by the Ontario Energy Board of the Financial Services Manager (i.e. OPG's) fees as described in *Part IV – Implementation - Section 14.4 Same, Board Approval* will not allow them to change or limit the management fee structure, but only ensure that it is prudent by ensuring it is calculated in accordance with the Regulations.
- In the event that a different Financial Services Manager is appointed by the Minister of Energy, the IESO is required to continue to make cash payments for interest to the Trust for the existing debt. Principal repayments on existing debt will continue to be repaid by ratepayers to the Trust in accordance with the terms of the issued debt.
- All other items as indicated in *Appendix A*.

Accounting Analysis:

In order to meet the accounting definition of 'control', accounting guidance must be considered. There are no bright lines to determine whether OPG has exposure, or rights, to variable returns from its involvement with the Trust, or whether it has the ability to affect the returns of the Trust through its power over the Trust. Rather, all facts and circumstances are considered when assessing whether an entity has control over another entity.

In order to consolidate the Trust, OPG must be able to demonstrate that it controls the Trust.

Control

An investor controls an investee if and only if the investor has all the following:

a) *power over the investee;*
b) *exposure, or rights, to variable returns from its involvement with the investee; and*
c) *the ability to use its power over the investee to affect the amount of the investor's returns.* [IFRS 10, paragraph 7]

Purpose and design of the investee

When assessing control of an investee, an investor shall consider the purpose and design of the investee in order to identify the relevant activities, how decisions about the relevant activities are made, who has the current ability to direct those activities and who receives returns from those activities. [IFRS 10, paragraph B5]

Criteria	Analysis
Purpose and design of the Trust	The purpose of the Trust is to allow OPG to earn a return on the Intangible Asset from the IESO by effectively managing financing to earn a spread, earn management fees, and earn interest fees.

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Purpose and design of the investee *When assessing control of an investee, an investor shall consider the purpose and design of the investee in order to identify the relevant activities, how decisions about the relevant activities are made, who has the current ability to direct those activities and who receives returns from those activities (IFRS 10, paragraph 86)*	
Relevant activities of the Trust and how decisions are made about those activities	<u>Relevant activities:</u> The relevant activities of the Trust are: • To evaluate and make decisions on financing alternatives, duration, and the strategy to minimize financing costs. • To effectively manage funding obtained through the capital markets and be able to make or lose any spread from financing. • To provide funding to the IESO in return for an interest in a future cash flow stream. • To obtain funding through the capital markets and other vehicles available to OPG to be able to provide the IESO funding. • To make capital and funding decisions required to meet the Fair Allocation Plan objectives as set out in Legislation. • To finance the requirements associated with the short-fall amount. • To raise debt, pay bond debt holders, and determine capacity for the Trust to raise additional financing. <u>Financing Plan (Legislation: Part IV – Implementation)</u> • OPG's plan for managing the assets of the Trust will be dictated through a 'Financing Plan'. • The Financial Services Manager (i.e. the Trust) shall provide the Financing Plan to the Minister. The Financing Plan is expected to follow Principles as stipulated in the Legislation which indicate that the assumptions must be reasonable and that the Trust has the power to determine what is reasonable and cost-effective. The Trust makes all the decisions in determining the relevant activities as listed above. • OPG can amend the Financing Plan at any time without the approval of the Minister. <u>Fair Allocation Amount (Legislation: Part IV – Implementation)</u> • The 'Fair Allocation Amount' ("FAA") is the amount of the deferral for the reference period and includes finance amounts. The current Legislation dictates that the Minister of Energy is to calculate the FAA. • This does not impact OPG's relevant activities in the Trust as OPG's variable returns are based on financing decisions which are not dictated by the FAA. OPG can choose to accept or reject the purchase of the intangible asset which is based on the Fair Allocation Amount.

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Purpose and design of the investee *When assessing control of an investee, an investor shall consider the purpose and design of the investee in order to identify the relevant activities, how decisions about the relevant activities are made, who has the current ability to direct those activities and who receives returns from those activities. (IFRS 10, paragraph B5)*	
	Decisions made and voting rights of the Trust: CPG has the ability to appoint and remove the Trustee (and if applicable Board of Trustees) and there are no veto rights by the Province. No party has the ability to remove OPG from its role and authority in the Trust. **[NOT YET ADDRESSED IN CURRENT LEGISLATION]** *Voting of members* Except as otherwise stated, all decisions of the members (if applicable) shall be made by the Trustee who will be appointed by CPG. Termination Rights CPG cannot be removed from its role in the Trust. The Province has the right to remove OPG as the 'Financial Services Manager' for failure to perform. This will not impact debt that has already been issued for which OPG is already managing through the Trust or the recoverability of existing intangible assets. If the right is exercised, it serves to reduce or eliminate the scope of new business activities of the Trust but it does not affect CPG's ability to control the Trust. Should a new Financial Services Manager be appointed, a separate assessment would be made as to which party if any would control it
Assessment	The purpose of the Trust is to allow OPG to earn a return on the Intangibe Asset from the IESO by effectively managing financing to earn a spread, earn management fees, and earn interest fees. For the reasons noted above, CPG has control over the decisions to be made about the relevant activities

Power over the investee	
Criteria	**Analysis**
Identify whether OPG's rights give it the current ability to direct the relevant activities of the Trust (Substantive rights)	See above for relevant activities of the Trust.
Assessment	CPG has the ability to direct the relevant activities of the Trust. OPG can amend the Financing Plan at any time, without approval from the Minister. Further, if the Minister of Energy chooses not to continue with OPG's current Financing Plan, OPG can withdraw its Financing Plan, without impacting the existing debt and related intangible assets that is already in the Trust. The Province would just appoint a new party to participate in future securitizations and CPG would continue to manage the debt that already exists in the Trust. If future financing transactions are with a different SPV, a separate consolidation analysis would be prepared at that time as to which party if any would consolidate the SPV.

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Exposure or rights to variable returns	
Criteria	**Analysis**
Dividends, other distributions of economic benefits from an investee and changes in the value of the investor's investment in that investee [IFRS 10, paragraph B57(a)]	OPG is expected to realize management fees from its activities with the Trust.
Remuneration for servicing an investee's assets or liabilities, fees and exposure to loss from providing credit or liquidity support, residual interests in the investee's assets and liabilities on liquidation of that investee, tax benefits, and access to future liquidity that an investor has from its involvement with an investee [IFRS 10, paragraph B57(b)]	**[NOT YET ADDRESSED IN CURRENT LEGISLATION]** OPG has exposure and rights to variable returns from the Trust in the form of the following: • The Regulations, Trust documents and various agreements will provide that OPG will have significant variability and exposure from the activities of the Trust relative to the rate of return that OPG would recognize from its role as the Financial Services Manager of the Trust. The performance fee will be meaningful and allow OPG to make decisions that will significantly impact its returns. • OPG, through ownership of the most subordinated debt, is exposed to risk of non-collection. Given that the program is expected to run until 2047, this 30 year time period results in uncertainty about the future collection of OPG's amount at risk. OPG and the OFA (5% out of 44% contribution) would be the last parties to get paid in the event that the program stops running due to a change in Government, if electricity demand is not high enough to allow for collection from ratepayers in a timely manner, etc. The end date of 2047 that is prescribed in the Legislation results in uncertainty toward whether this program will continue and whether OPG will have collected its amount at risk at that time. • In the event that there is a market disruption whereby OPG is not able to obtain debt from the financial markets (e.g. due to a recession), the Province will provide funding in the event that OPG wishes to continue purchasing intangible assets from the IESO. This is considered to be a protective right as it does not impact the relevant activities of the Trust, but is designed to protect both parties and does not give either party more or less power over the Trust. It is designed to allow OPG to keep purchasing intangible assets if it wishes to. • Protective rights are typically held to prohibit fundamental changes in the activities of an investee that the holder does not agree with and usually apply only in exceptional circumstances (i.e., upon a contingent event). This is true for this right as it is only applicable if there is a market disruption and the Trust is not able to obtain financing from external markets. Further, the fundamental activities of the Trust would change if it were not able to obtain financing from external markets.
Returns that are not available to	• OPG will have synergistic benefits from combining operating

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Exposure or rights to variable returns	
other interest holders. For example, an investor might use its assets in combination with the assets of the investee, such as combining operating functions to achieve economies of scale, cost savings, sourcing scarce products, gaining access to proprietary knowledge or limiting some operations or assets, to enhance the value of the investor's other assets [IFRS 10, paragraph B57 (c)]	functions with the Trust given its extensive knowledge on the market and current regulatory knowledge.
Assessment	To determine which party is the most 'at risk' in the event that the loans default, expected loss rates were obtained from Moody's and DBRS. Using the *Moody's Investors Service – Loss Given Default for Speculative Grade Companies* dated December 4, 2015, the 4-year Idealized Expected Loss ranges from 0.00% for a triple A rated bond, to 0.30% for an A3 rated bond. DBRS Expected Loss Ratings give an indication of the expected loss of a loan portfolio. As per a November 2016 publication, the 10-year expected loss rates range from 0.1% for a AAA rated bond to 1.7% for an A (low) rated bond. Given that OPG's subordinated debt is equal to 5% of the total debt, which is higher than the default rates above, 100% of the risk is with both OPG and the OFA since they are the last parties to get paid should there be any default with the debt. OPG is also exposed to variable returns from the Trust from its performance on decisions made on financing alternatives, duration and the strategy to minimize financing costs through the variable fee component of the management fee. Therefore, OPG has the exposure to variable returns from the Trust.

Ability to use power to affect returns	
Criteria	**Analysis**
Ability of investor to use its power to affect the investor's returns from its involvement with the investee	OPG needs to have both power over the Trust (i.e. as a Principal, not an agent), exposure or rights to the variable returns from the Trust, and the ability to use its power to affect OPG's returns from its involvement with the Trust. OPG has the ability to use its power over the relevant activities of the Trust to affect its returns from its involvement with the Trust through the variable fee component.

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Ability to use power to affect returns	
	Further, the Trust's ability to use its power to affect returns is in a manner that is consistent with being a principal. See *Appendix B* for Principal-Agent analysis.
Assessment	OPG has the ability to use its power to affect returns of the Trust

Conclusion:

Based on the current **[May 1, 2017]** draft of the legislation, the conditions to ensure the ability of OPG to consolidate the operations of the Trust have not fully been reflected. As noted in Appendix A, several conditions must be evident in the Regulations, Trust documents, and various other agreements which are not yet drafted and therefore not yet available for our review and assessment. In OPG's assessment, while no current clause of the Legislation would hamper the ability to effect a consolidation within OPG Inc.'s financial statements, there are several key conditions for consolidation that are currently not present within the Legislation. On the assumption that future Regulations, Trust documents and various other agreements fully capture these operating conditions, and that no new conditions that would conflict with OPG's control of the trust are introduced, OPG believes that consolidation of the Trust is supportable.

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Accounting Topic Discussion Paper
Ontario Power Generation (OPG)

APPENDIX A:

Terms necessary for OPG to consolidate the Global Adjustment Trust

Note that these are assessed against the Legislation proposal 'Ontario Fair Hydro Plan Act, 2017, if enacted V6' sent by Carolyn Calwell on May 1, 2017. These are subject to change as subsequent drafts of the Legislation are issued

Legend:

✓ - Addressed by the Legislation drafted May 1, 2017

RT – Not addressed by Legislation and must be addressed in Regulations, Trust Documentation or various other agreements

Ω - Will not be addressed in Legislation/Regulations or Trust but is the intended plan

Issue	No.	Requirements
Directive	1 ✓	The Trust must be undertaken by OPG as a business initiative on its merits. A Shareholder Directive is to be limited to direct OPG to investigate the option of establishing a Trust vehicle to administer, finance and operate the Global Adjustment plan and the operation of that Trust and the control, risk and rewards of that Trust will determine its consolidation into OPG as a business enterprise ***MET - The Province will not direct OPG to participate in the Fair Hydro Plan. A letter was issued from the Minister of Energy to OPG on April 13th requesting OPG's involvement in the implementation of the Fair Hydro Plan. OPG's Board Chair responded to the Minister on April 18th committing OPG to work with the IESO and OEB to develop a plan. OPG will have the option to prepare, implement and amend a financing plan (in accordance with principles set out in legislation) and propose the adoption of such plan as the 'Financing Plan'. OPG will have the right to withdraw its financing plan at any time.***
Trust	2 RT	The Trust should not operate in a predetermined way such that OPG does not have decision-making authority over the Trust's ongoing activities after its formation (i.e. should not operate on 'autopilot') ***OPG will be the sole unit holder of the Trust. All decisions over the relevant activities of the Trust (as described above) will be made by OPG.***
	3 RT	OPG must have the ability to appoint and remove the Trustee (or Board of Trustees), with no veto right by the Province. No party shall have the ability to remove OPG from its role and authority in the Trust ***OPG will be the sole unit holder of the Trust. The Province will be involved in the Board of Trustees, but OPG is expected to have the majority vote.***

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Issue	No.	Requirements
	4 RT	The Province cannot have the right to veto OPG's decisions about the relevant activities of the Trust. OPG must have the power over the relevant activities of the Trust and be compensated. The relevant activities of the Trust include (but are not limited to) the evaluation and decisions on financing alternatives, duration, and the strategy to minimize financing costs. OPG must have the power to establish operating and capital budgets of the Trust. ***OPG will have the ability to make decisions about the financing alternatives, duration, and the strategy to minimize financing costs. OPG will have the power to establish operating and capital budgets of the Trust with no veto right by the Province.***
	5 RT	OPG must have the power to determine or change operating and financing policies of the Trust, which will affect the variability of risks and returns. ***The Regulations, Trust documents and various agreements will provide that OPG will have significant variability and exposure from the activities of the Trust relative to the rate of return that OPG would recognize from its role as the Financial Services Manager of the Trust. The performance fee will be meaningful and allow OPG to make decisions that will significantly impact its returns.***
	6 Ω	The Province or its agencies must not directly or indirectly fund (through debt or equity) more than 50% of the following: a. The Trust b. The most subordinated debt of the Trust ***See below for financing structure.***
	7 Ω	OPG must own at least 50% of the most subordinated debt and must be no less than 5% of the debt of the Trust. Such ownership must be financed entirely by OPG through operating cash flows or external debt without assistance from Provincial sources. ***See chart in Point 6 above***

	Risk Profile	Source	% of Total Funding Requirement
Tranche A Senior Debt	the least risky	Capital Markets	51%
Tranche B Sub Debt	In between A&C	OPG via OEFC	39%
Tranche C Sub Debt	the most risky	OPG via OEFC	5%
		OPG via Capital Markets	5%

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Issue	No.	Requirements
	8 RT	OPG must have the ability to earn variable returns by exercising its authority, which shall be accomplished as follows: a. The cash flow from the restructured asset shall include interest determined based on a relevant benchmark that is appropriate relative to the restructured asset, plus an appropriate margin consistent with the relevant market and other risks. ***The cash flow from the restructured asset will include interest income that is equal to the interest expense (i.e. interest expense is passed back to the ratepayers). The Trust will also receive a margin as discussed in the 'Exposure or rights to variable returns' section above.***
	✓	b. OPG shall have the authority to determine the financing strategy, which will vary the financing costs with the objective of enabling the Trust to achieve a more favourable return compared to the benchmark for interest on the restructured asset. ***OPG will determine the financing strategy through the proposal of its 'Financing Plan'. The 'Financing Plan' will only be required to follow general Parameters and Principles as set forth in the Legislation but funding decisions will be made entirely by OPG. The Trust will also receive a margin as discussed in the 'Exposure or rights to variable returns' section above.***
	Ω	c. The Trust shall establish classes of liabilities (senior, subordinated and the most subordinated). The classes would allow the Trust to delineate financing of lower risk investment and investment that would bear higher residual risk. The delineation would limit OPG's self funded investment to a reasonable level in order to allow OPG to remain a self-sustaining entity. ***OPG's portion of the most subordinated debt will be limited to a reasonable level. If it is determined that OPG's portion is not at a reasonable level, OPG has the option to withdraw its Financing Plan.***
	RT	c. OPG shall, through its ownership of the most subordinated liability, be able to capture and retain the pricing difference between cost of financing and benchmark for interest on the restructured asset, or any residual risk of restructured asset. The targeted return of the subordinated liability should be reflective of the underlying risks and compensate holders for active management that would be required.

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Issue	No.	Requirements
		OPG will be able to capture the pricing difference between cost of financing and benchmark for interest through the performance fee which is described in point 5) above and the 'Exposure or rights to variable returns' section above.
	Ω d	OPG should participate in the detailed design of the above and the Trust documentation to ensure that it has substantive power and variability, which will allow OPG's Board of Directors to evaluate the opportunity as a business initiative instead of through a shareholder directive ***OPG will be involved in the Trust documentation.***
	RT	Defined Forced Majeure for emergency events (e.g. unlikely credit market event or disruption where it is not possible to borrow from the market at a reasonable rate), OFA may provide bridge financing beyond the designated percentage for a defined period ***This will be structured through a separate indemnification agreement. This is not expected to impact consolidation of the Trust because this is seen as a protective right which is only in affect when a contingency arises and not as a result of the relevant activities of the Trust.***
Legislation	9 ✓	The Legislation must require interest, carrying and administrative costs to be paid to the Trust on a monthly basis, so that the Trust is able to recognize appropriate revenue to offset any ongoing costs ***Under Part III – Clean Energy Adjustment – Section 8.3 Terms, of the Legislation, the expectation is that the Legislation will allow for interest payments to be paid to the Trust on a monthly basis in cash. The Trust will not accrue interest to the current intangible asset balances but this interest amount could form part of future intangible assets that are purchased from the IESO.***
	10 RT	The Legislation must dictate the manner in which the restructured asset would be determined, collected, and the period of collection, so that the determination of the restructured asset will not be subject to the Province's decisions on an ongoing basis, but determined based on a formula. Alternatively, the Legislation may allow for an adjustment to the pre-determined deferral formula based on specific parameters that would limit the adjustment to the restructured asset. Adjustments beyond the specific parameters would require approval by the Board of Trustee **The Regulations are expected to dictate the 'Fair Allocation Plan' which will be based on high level Principles and Parameters of the Plan, including the attribution methodology. The Legislation or Regulation determines the following principles:** ▪ **25% Reduction (June 1, 2017) where the average bill will**

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Issue	No.	Requirements
		reduce by 25% including of HST and social programs noted above • Inflation Period (November 2017 – April 2022) where bill increases are capped at inflation • Straight-line Increase Period (May 2022 – April 2027) where bills increased at a straight-line rate (i.e., 8% per year) which is set so that borrowing will not exceed the Trust's capacity. • Amortization Period (May 2027 – April 2047) where debt built up over the previous periods is repaid by ratepayers. OPG will determine the manner in which the intangible asset, once purchased from the IESO will be collected and the period of collection. The recoverability of the existing intangible assets cannot be impacted by the Province. Although the Province may determine the Principles and Parameters around the 'Fair Allocation Plan', it does not impact the activities of the Trust once OPG has purchased the intangible asset.
	11 RT	The Legislation must be written to avoid legal or constitutional challenges and be irrevocable to reduce the cost of borrowing and with a specific formula which determines the deferral amount. See above.
	12 RT	The spirit of the above terms should be reflected in the Trust Indenture Agreement as well as Legislation, wherever possible. *Trust Indenture and Regulations still outstanding.*

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APPENDIX B:

Link between power and returns: principal-agency situations

The third criterion for having control is that the investor must have the ability to use its power over the investee to affect the amount of the investor's returns. When decision-making rights have been delegated or are being held for the benefit of others, it is necessary to assess whether the decision-maker is a principal or an agent to determine whether it has control. This is because if the decision-maker has been delegated rights that give it power, the decision-maker must assess whether those rights give it power for its own benefit, or merely power for the benefit of others. As an agent cannot have control over the investee, it does not consolidate the investee. A principal may have control over the investee, and if so, would consolidate the investee.

A decision maker shall consider the overall relationship between itself, the investee being managed and other parties involved with the investee, in particular all the factors below, in determining whether it is an agent.

a) the scope of its decision-making authority over the investee

As discussed above, OPG has decision-making authority over the Trust and its relevant activities. The Province has no right to determine what sort of funding decisions OPG should make to fund the intangible assets that they will purchase and OPG can choose not to purchase future intangible asset purchases.
Terms and Conditions to support this point: 1, 2, 3, 4, 5

b) the rights held by other parties (paragraphs B64–B67).

There are no substantive removal rights held by the Province for debt that already exists in the Trust.

Terms and Conditions to support this point: 3, 4, 5

c) the remuneration to which it is entitled in accordance with the remuneration agreement(s) (paragraphs B68–B70).

See section on 'Exposure or rights to variable returns' above.

Terms and Conditions to support this point: 6, 7, 8, 9

d) the decision maker's exposure to variability of returns from other interests that it holds in the investee (paragraphs B71 and B72).

See section on 'Exposure or rights to variable returns' above.

OPG will receive a 44% equity injection from the Province of Ontario, indirectly through the Ontario Financing Authority. Given that currently, the majority (currently 51%) of the Trust debt will be from External Markets and not the Province, it can be argued that OPG did not receive the majority of its interest in the investee as a contribution or loan from the Province. This shows that OPG is a principal, not a de-facto agent.

Terms and Conditions to support this point: 6, 7, 8, 9

Conclusion: OPG is not an agent for the Province as the arrangement does not provide for the Province to directly absorb any variability associated with the structure. If the Province decides to intervene at a later date due to evolving market conditions, an assessment would be made at that future date

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Analysis on whether OPG is an agent for ratepayers

OPG is not an agent for the ratepayers because OPG has substantive exposure to risk of loss of its own funds. The ratepayers do not have any of their own funds in any of the subordinated tranches and further, no decision making authority is delegated to the ratepayers relating to the relevant activities of the Trust.

Analysis on whether OPG is an agent for the IESO

OPG is not an agent of the IESO because the IESO faces no continuing risk of loss after sale of the intangible asset to OPG.

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