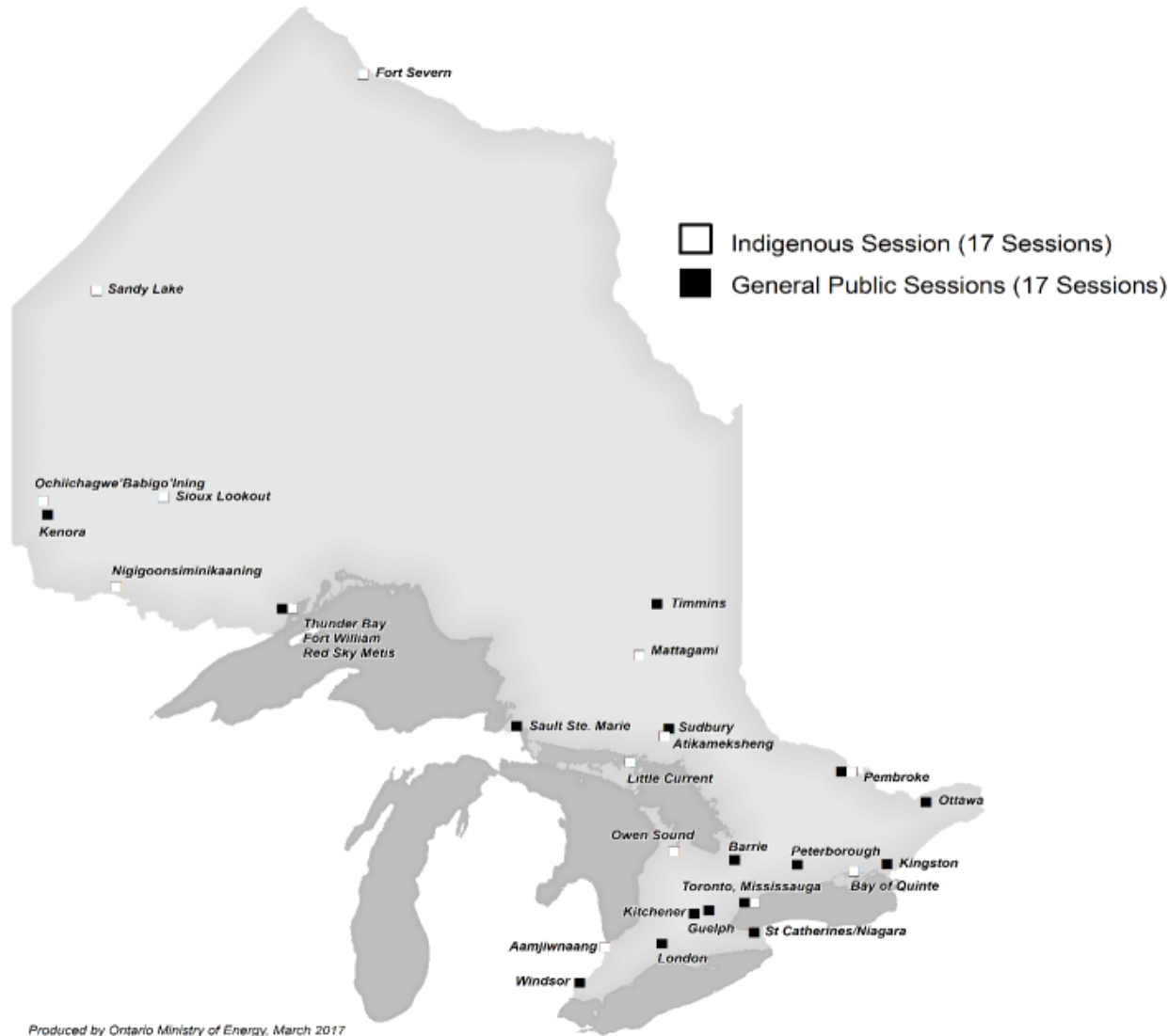


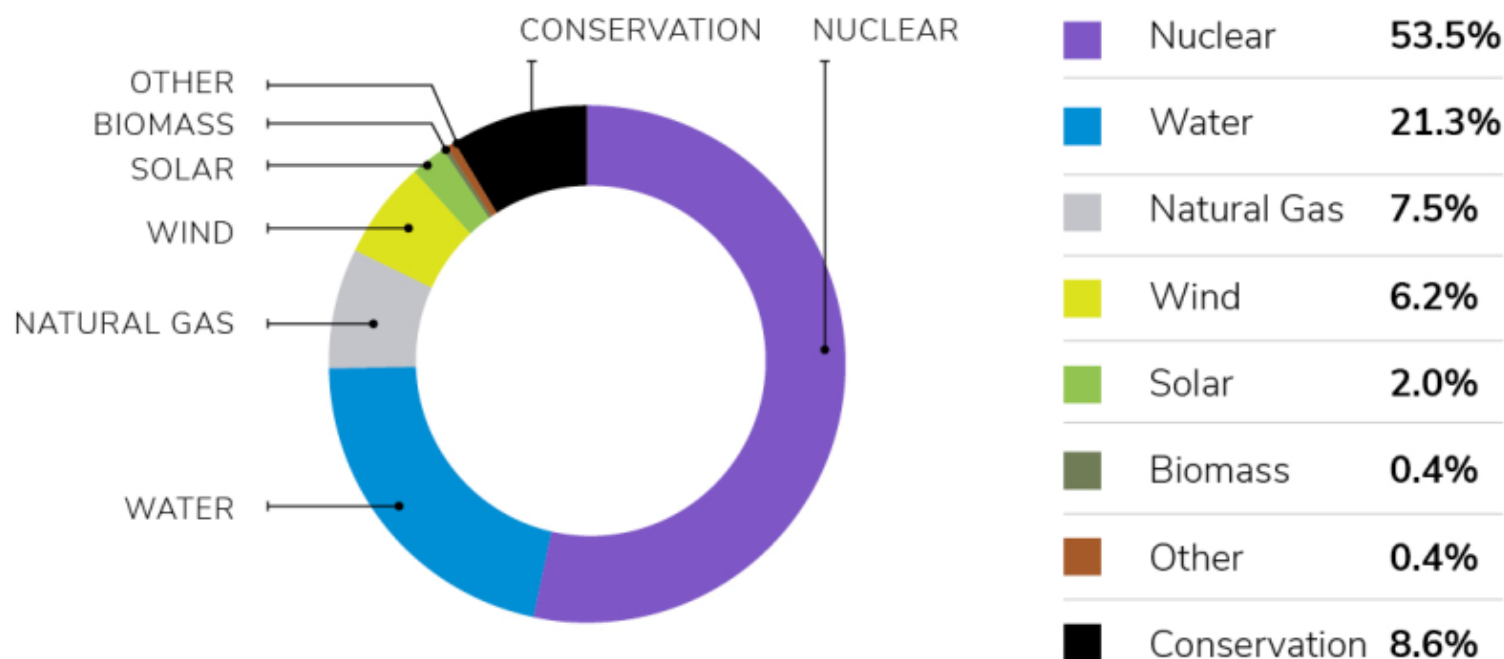
Engagement With Ontarians



Supply, Demand and Modeling Assumptions

Ontario's Generation Mix

Ontario's Electricity Generation and Conservation, 2016 (TWh)

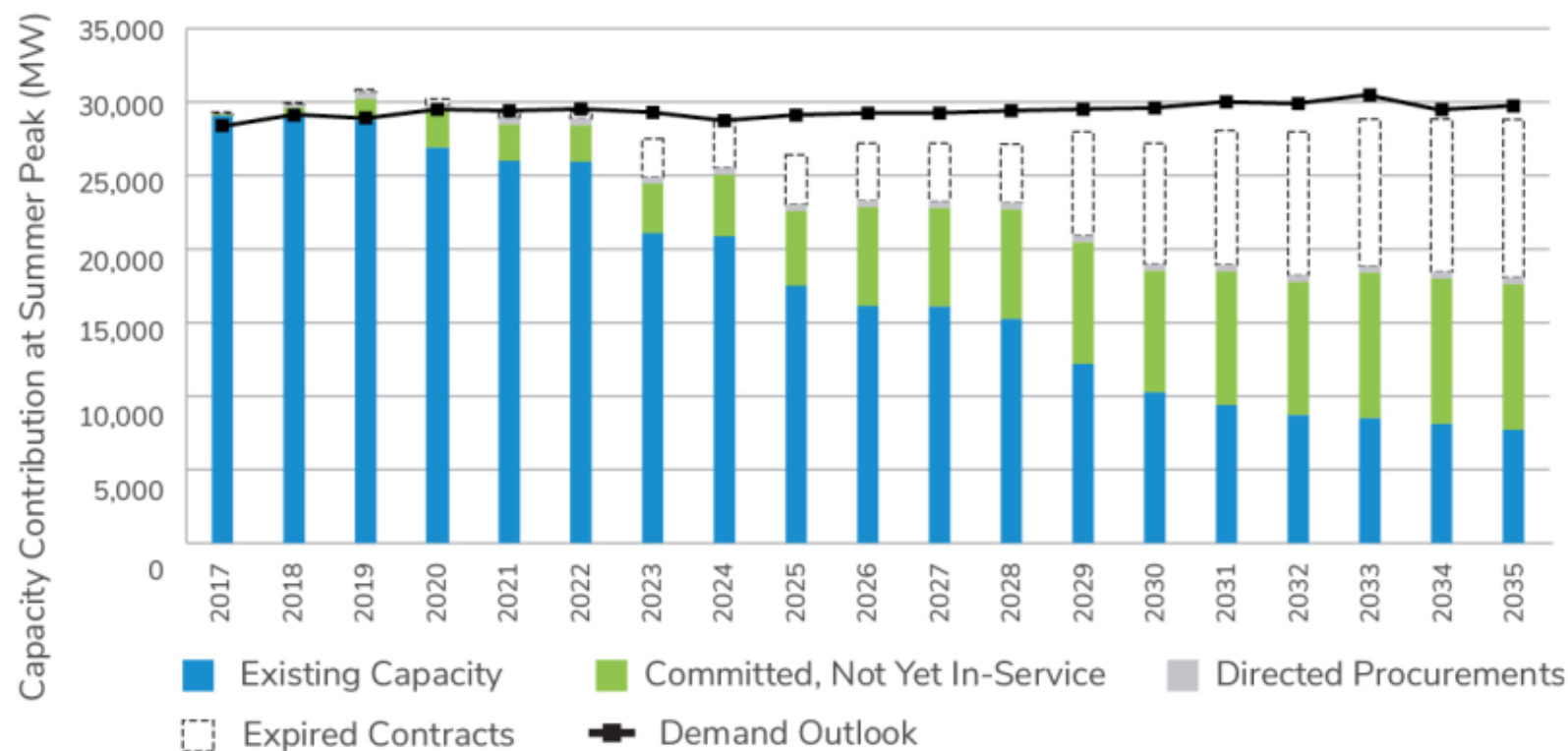


Source: Ministry of Energy

Note: Generation reflects the sum of transmission and distribution connected sources. Conservation value represents persistent savings in 2016 from programs and codes and standards since 2006.

Supply and Demand Outlook – **Note that this slide contains forward-looking projections**

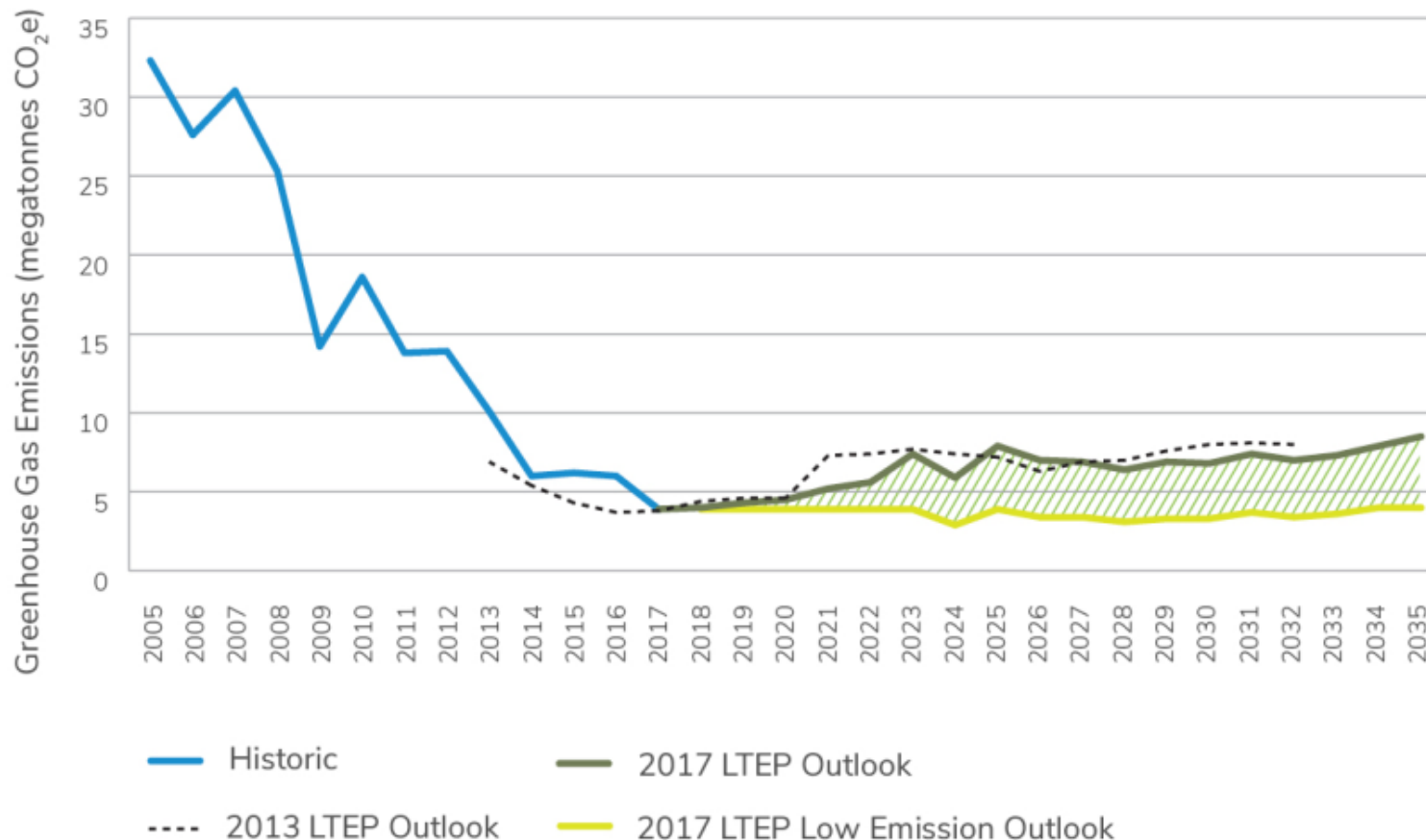
Supply and Demand Outlook (2017 - 2035)



Source: IESO

Electricity GHG Emissions Profile – ESP to remove post 2018 projections

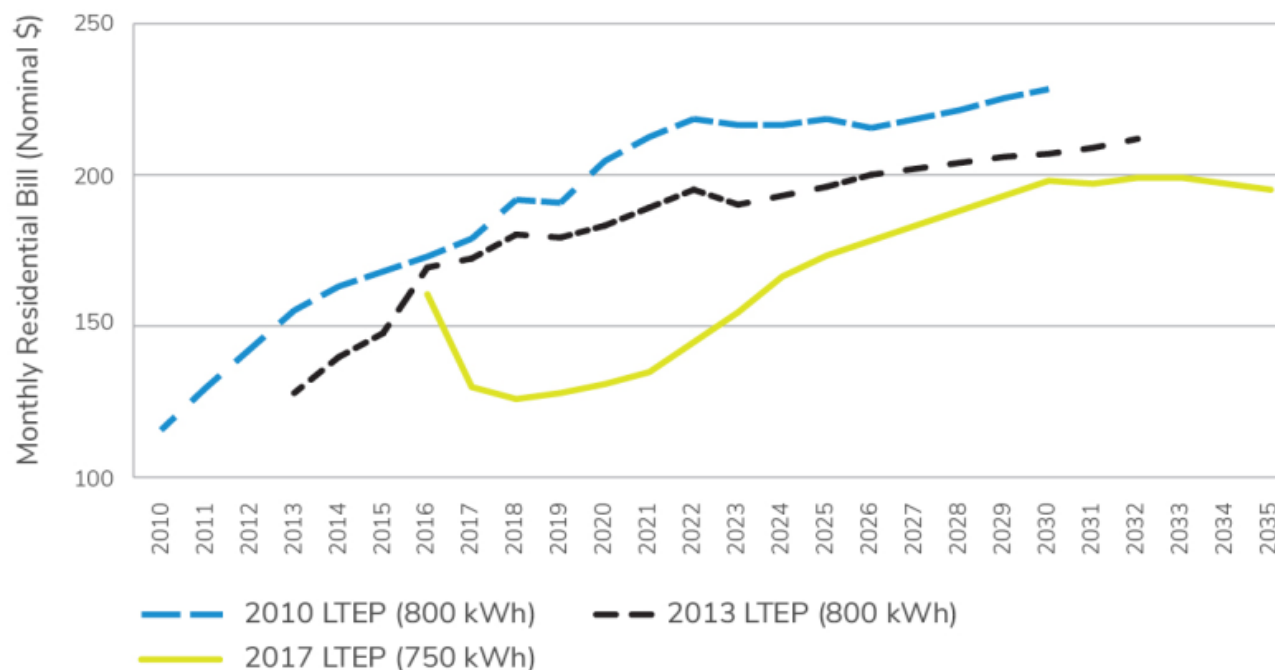
Electricity Sector GHG Emissions Outlook



Source: IESO, Environment Canada and Climate Change

Progress on Residential Electricity Prices – ESP to remove post 2018 projections

Electricity Price Outlook – Residential Consumers

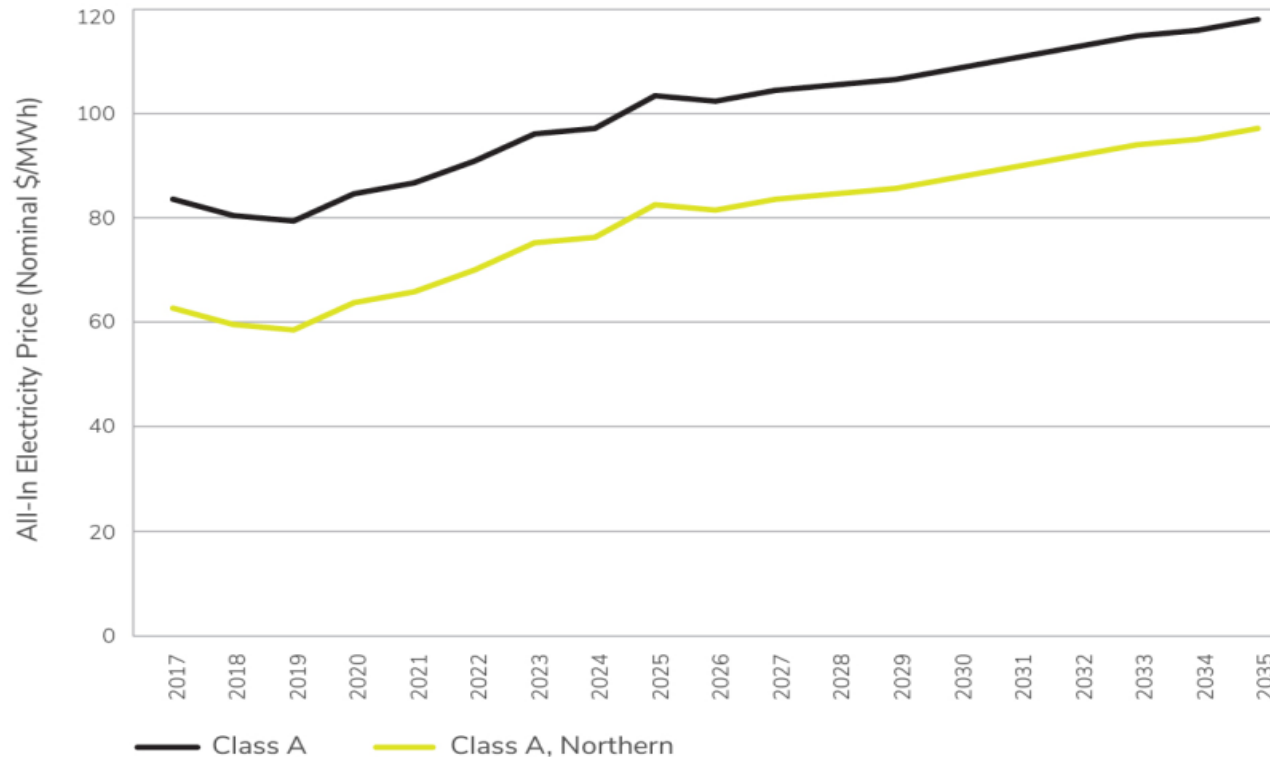


Source: IESO, Ministry of Energy

Note: Forecasts used in *Delivering Fairness and Choice* reflect prevailing patterns of consumption. Between late-2009 and mid-2016, the OEB defined the typical residential customer as a household that consumed 800 kWh of electricity per month. As of May 2016, the OEB changed their typical residential consumption to 750 kWh per month, due to declining household consumption.

Industrial Prices In-Line with Inflation – **Note that this slide includes forward-looking projections**

Electricity Price Outlook – Large Industrial Consumers

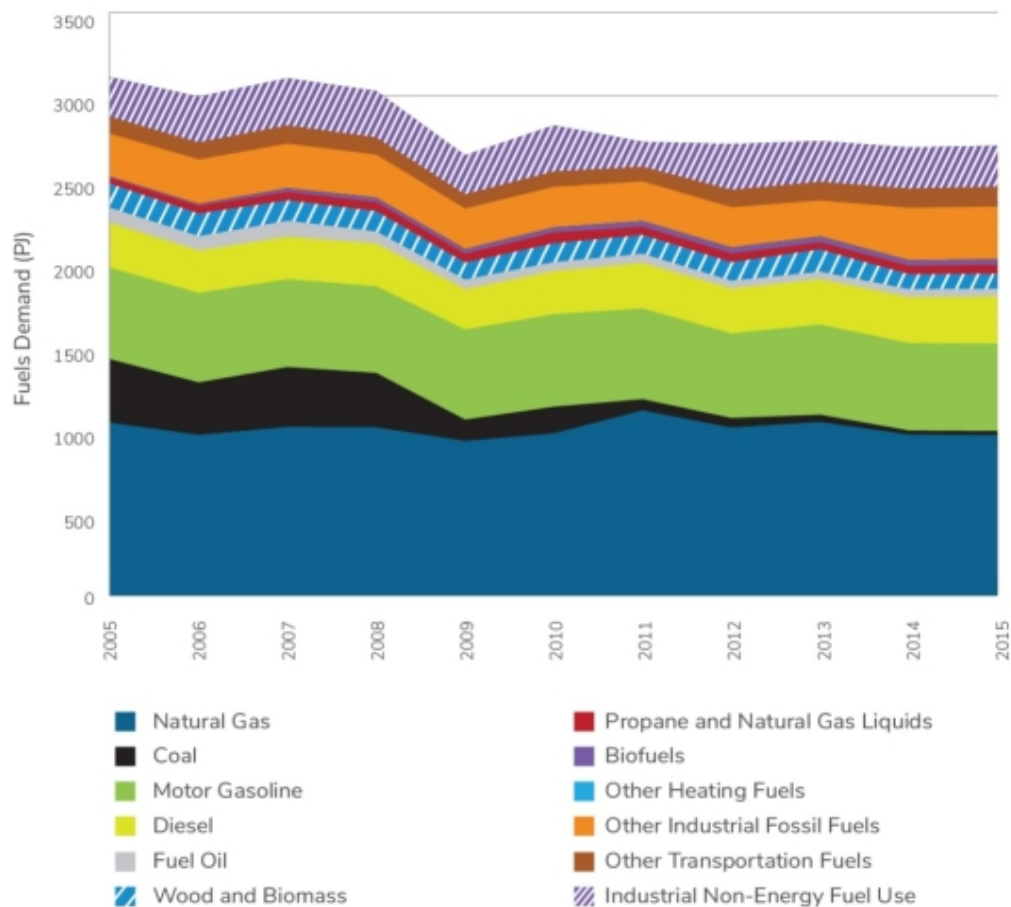


Source: IESO, Ministry of Energy

Note: Commodity price based on forecast Hourly Ontario Energy Price (HOEP) and GA averaged across Class A. Actual prices for Class A are dependent on each consumer's participation under ICI. Class A above reflects a transmission-connected facility. Participants in the NIER Program, which is funded through provincial revenues, receive a \$20/MWh reduction.

Fuels Use in Ontario

Historical Fuels Energy Use



Source: Fuels Technical Report, 2016

LTEP Pg. 41, Fig. 10

Highlights of Key LTEP Themes and Initiatives

[illegible]

Electric
Company

Your Electricity Statement

For the period of: September 27th – October 31st, 2016

(YOUR ACCOUNT NUMBER)

2000 1234 5678

This statement is issued on:

October 17th, 2016

What do I owe?

\$226.³⁷

See revenue for a summary of how we calculated your charges

How much did I use?

You powered your home with

990 kWh

of electricity this period

When is it due?

**Oct 21st
2016**

What does my electricity usage look like?

Your usage has **increased by 14%** compared to this same period last year.
Find out more by logging into **My Account** at www.ElectricityCo.com.

Period	Usage (kWh)
Last Year (2015)	860
Last Period (2016)	860
This Period (2016)	990

What do I need to know?

- Starting November 1st 2016, your statement will reflect new rates set by the Ontario Energy Board.
- For energy efficiency tips to manage your bill visit www.ElectricityCo.com/SaveEnergy
- Call a gas meter to pay your bill. Sign up for smart billing to view and pay your bill online. For more details go to www.ElectricityCo.com/paybill

How do I get in touch?

Electric
Company

1-800-363-3271
www.ElectricityCo.com
1-800-363-3271

What am I paying for?

This period's total before savings **\$ 217.14**
Your total Ontario-Peak Hydro-Peak savings **\$ - 45.16**

Your total amount due by Sep 21st 2017 \$ 171.98

Any unpaid balance from previous bills

Balance \$ 0.00
Amount due from your previous period **\$ 0.00**
Amount received Aug. 10, 2017 - Thank You **\$ 0.00**

Powering 12345 Anderson Rd. Suite West

Electricity Generation \$ 85.16

Includes 22.00¢ used on electricity generation this period.

This is the cost of generating the electricity you use this period. The Ontario Energy Board (OEB) sets electricity rates and the resulting allowed price for electricity generation.

Infrastructure and Basic Services \$ 85.16

Includes \$0.00 used on infrastructure and basic services this period.

This is the cost of ensuring that you have reliable power when you need it. This is the cost of generating the electricity you use this period. The Ontario Energy Board (OEB) sets electricity rates and the resulting allowed price for electricity generation.

System Management \$ 0.00

This covers the cost for the Independent Electricity System Operator (IESO).

Includes electricity supply and delivery to the premises. This is a necessary function that there is always energy. Normal Ontario rates at all times.

NET (12345-1234-011111) \$ 0.00

Includes \$0.00 used due to your 0% Provincial Rebate.

Your total for powering 12345 Anderson Rd. Suite West \$ 171.98

What should I know about my statement?

The Ontario-Peak Hydro-Peak saved you \$45.16 on your Electricity Statement this period.

What's my Time-of-the Breakdown?

It's time-saving to generate electricity when the demand is high, or your rate your electricity is lower. Time of the Breakdown - based on the Ontario Energy Board (OEB) rates.

Time	Usage	Rate	Amount
Peak	275 kWh	15.00¢	\$ 41.25
Off-Peak	140 kWh	12.25¢	\$ 17.15
Off-Peak	575 kWh	15.00¢	\$ 86.25

Total cost for generating the electricity you used: **\$ 85.16**

Electricity is supplied on average 100% Peak.

What's included in my Infrastructure and Basic Services Charge?

70% Keeping the system reliable and available
15% Maintaining equipment
15% Fueling generators

Your total	Property	Water Number	Current Reading	Previous Reading	Difference	Usage in kWh
1234567890	1234567890	1234567890	Sep 21 st 478,204	Aug 21 st 378,204	Estimate 100,000	(1) x 100,000

Province

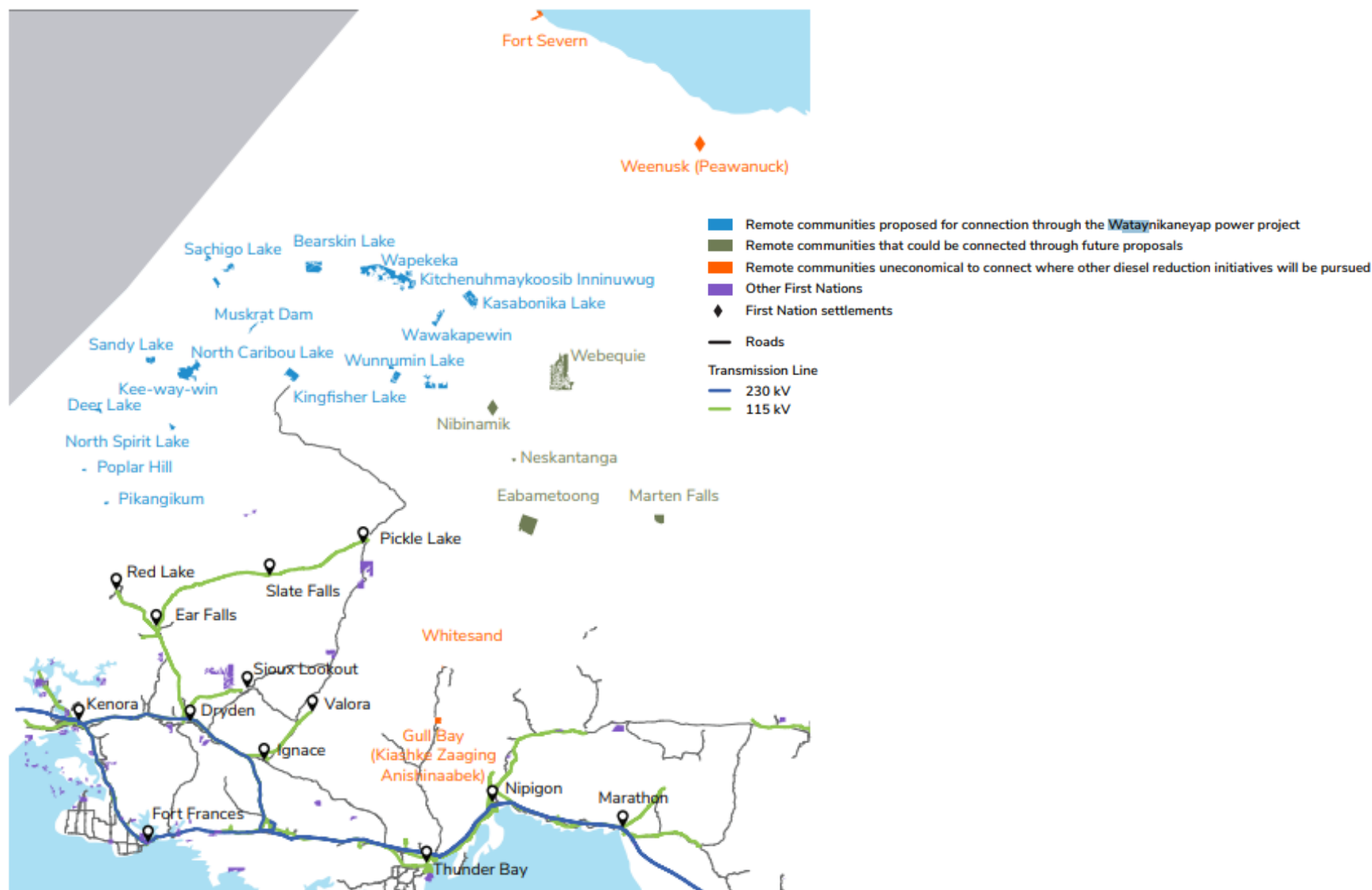
The Ontario Energy Board sets electricity rates and the money collected is passed back to generators without a mark-up.

Electricity Generation

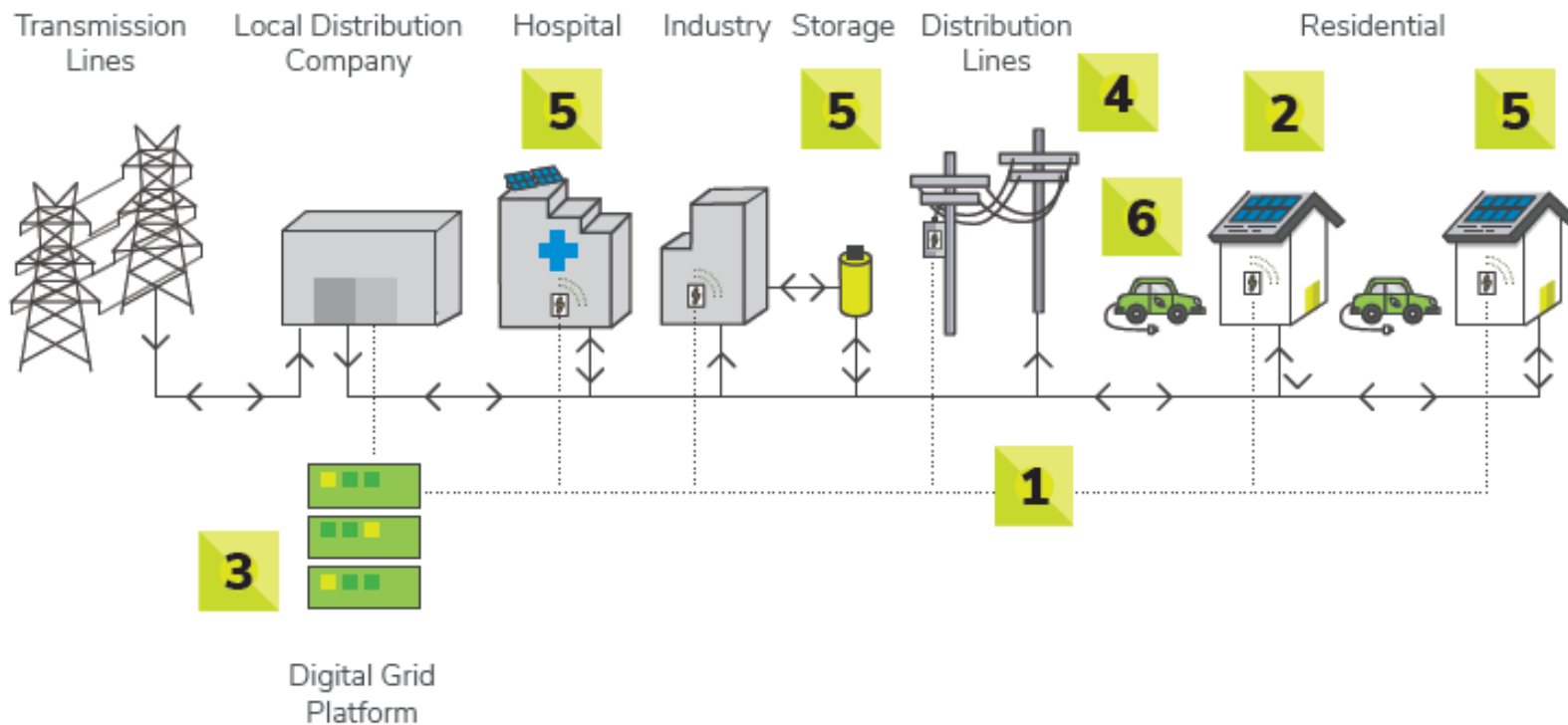
Hydro One

Hydro One is responsible for ensuring you have reliable access to electricity.

Connecting Remote First Nation Communities



Smart Grid



Smart Grid Fund Results

46
projects

~800
jobs created

~\$200M
in sector
investment

21
participating
LDCS

Enhancing Net Metering In Ontario

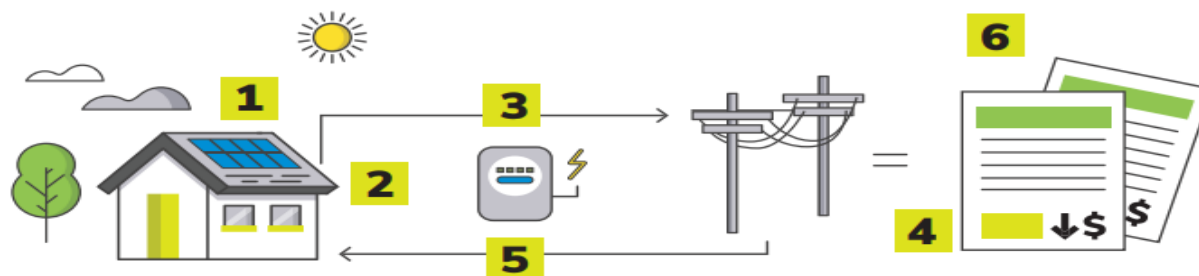
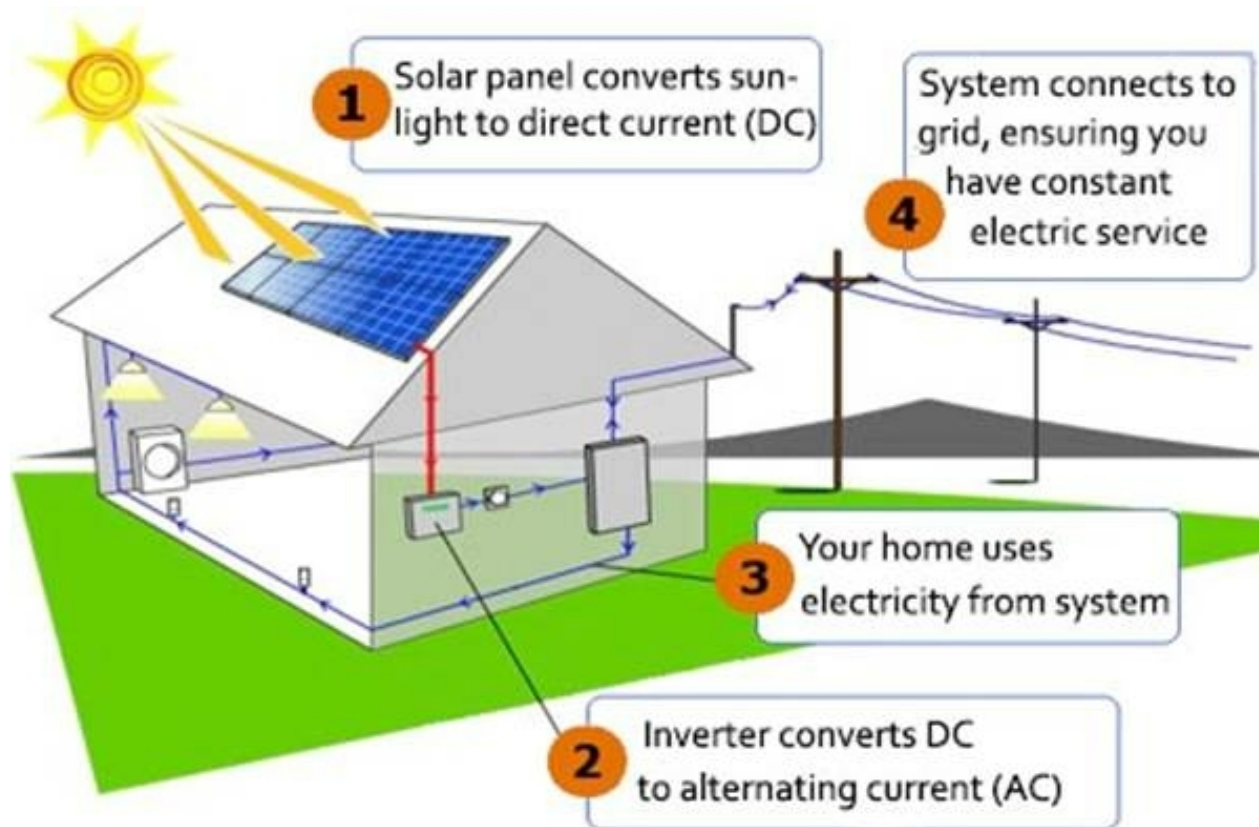


Figure 13 describes a rooftop solar net metering arrangement for a typical home. Other types of renewable energy can also be net-metered in Ontario.

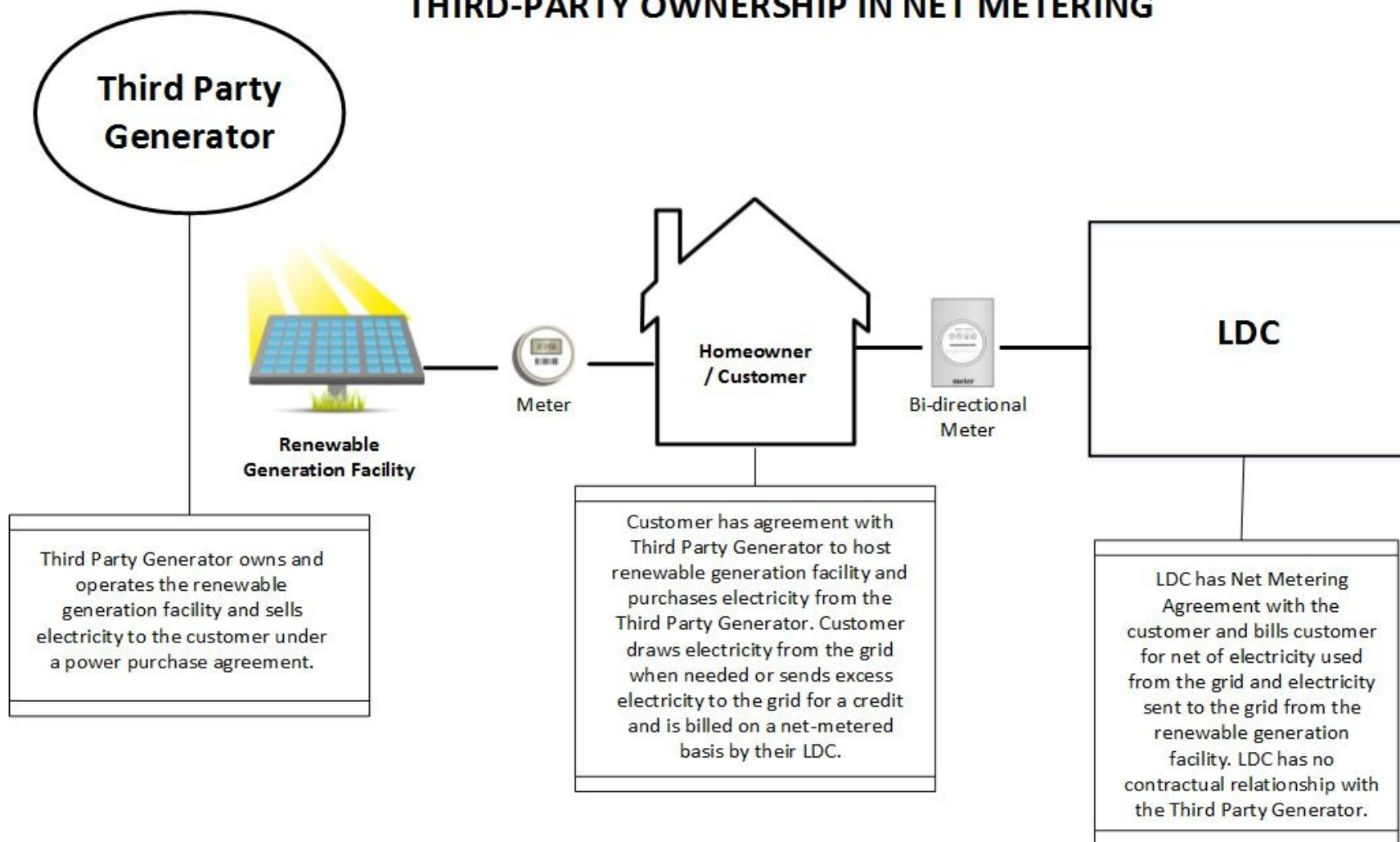
- 1** Solar panels mounted on the roof of a house generate electricity.
 - 2** The electricity generated is used to power the house first.
 - 3** Any extra electricity generated is sent to the local grid.
 - 4** Net-metered customers receive credits on their electricity bill for electricity sent to the local grid.
 - 5** Electricity is drawn from the local grid when the home's electricity needs are higher than the amount of electricity generated by the solar panels.
 - 6** Net-metered customers' monthly electricity charges are calculated based on the difference between the amount of electricity used from the local grid and the credits received from any electricity sent to the local grid from the solar panels.
- New: third party ownership of net metering systems

Third party ownership – net metering



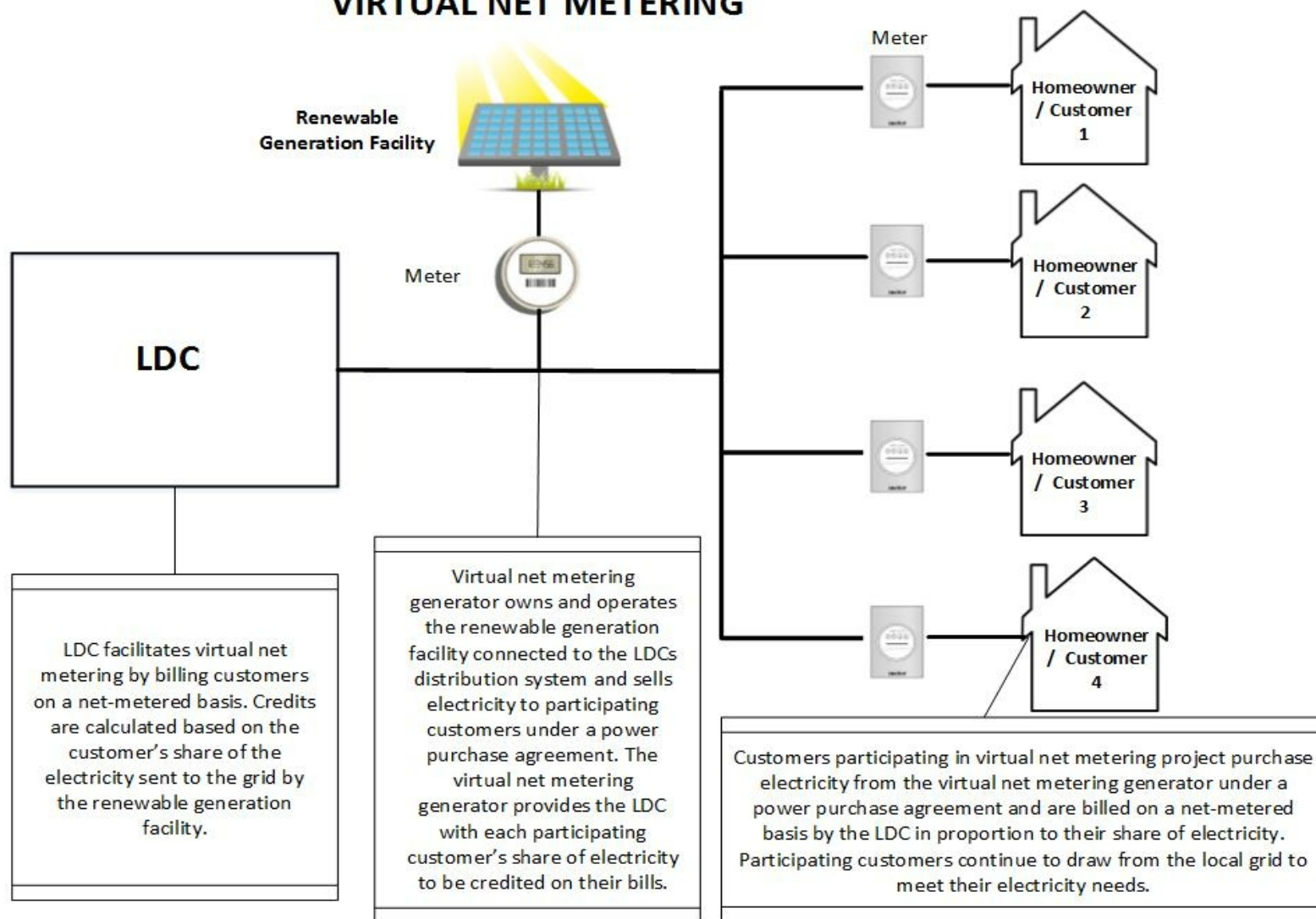
Enhancing Net Metering In Ontario

THIRD-PARTY OWNERSHIP IN NET METERING

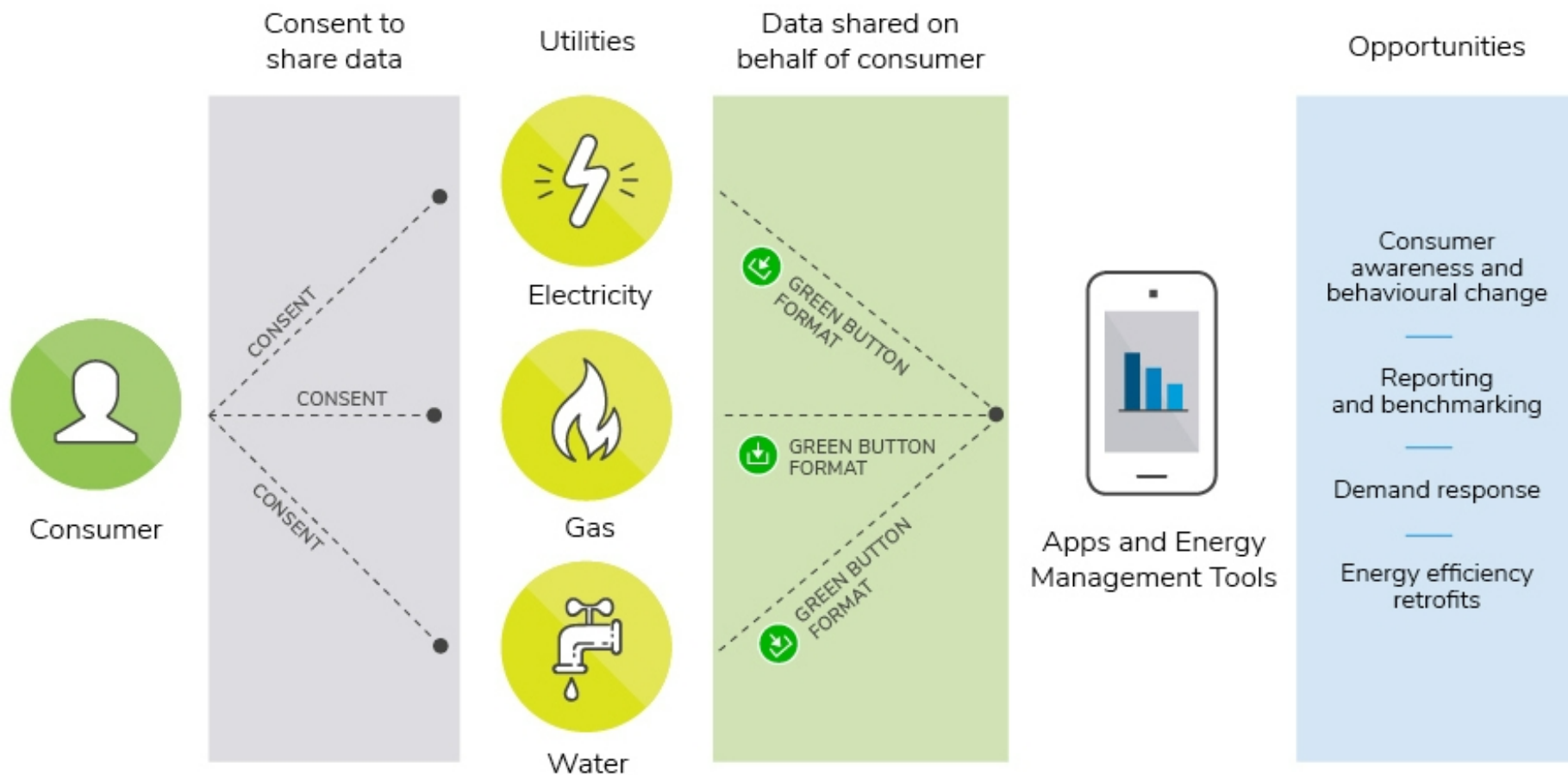


Enhancing Net Metering In Ontario

VIRTUAL NET METERING



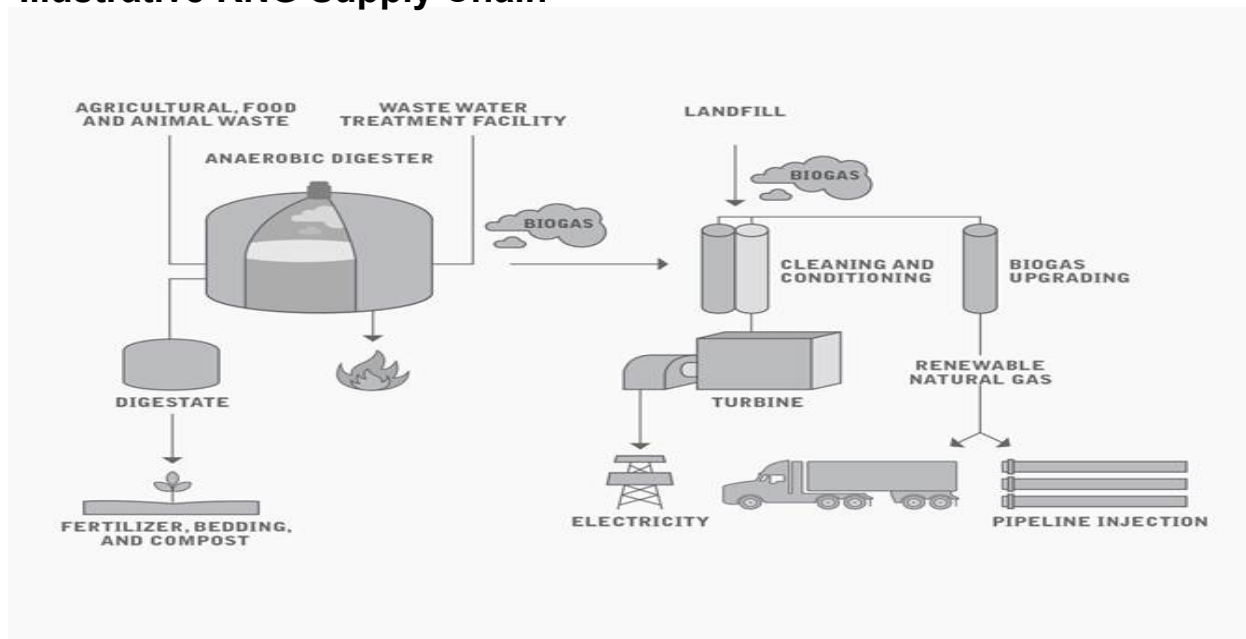
Green Button



Renewable natural gas

- Ontario is looking at using renewable natural gas (RNG) to lower the carbon intensity of the natural gas that people burn.
 - RNG is a low-carbon fuel produced by the decomposition of organic materials found in landfills, forestry and agricultural residue, green bin and food and beverage waste, as well as in waste from sewage and wastewater treatment plants.
- The government will continue to work to introduce a renewable requirement for natural gas and funding to help consumers with the cost of shifting to RNG (LTEP Pages 74 and 113).

Illustrative RNG Supply Chain



Source: Union Gas

Decarbonizing transportation sector - **Defer to MOECC/MTO**

- Projected use of electric vehicles over time in chart or graph

QUESTIONS?