

A Progress Report on Electricity Supply

First Quarter 2011



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EXECUTIVE SUMMARY

This progress report provides updates on the electricity supply contracts and programs currently managed by the Ontario Power Authority (OPA).

As of the end of the first quarter 2011, the OPA had 18,252 megawatts (MW) of electricity supply capacity, based on average contract capacity*, under contract. This includes 7,317 MW of renewable energy, 7,935 MW of clean energy, and 3,000 MW of nuclear energy.

Within this 18,252 MW of supply capacity, 4,710 MW were procured from existing generating facilities, which required minimal or no new capital investment. The remaining capacity, 13,542 MW, was procured from new development, expansion, redevelopment or refurbishment of existing facilities.

This represents more than \$27 billion of new capital investment in generation in the Ontario electricity system since 2005.

Chart 1 - Total Contract Capacity
18,252 MW

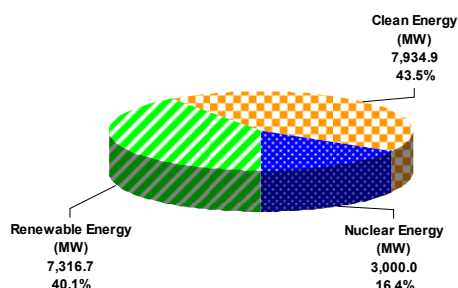


Chart 2 - Total Capacity in Commercial Operation
12,359 MW

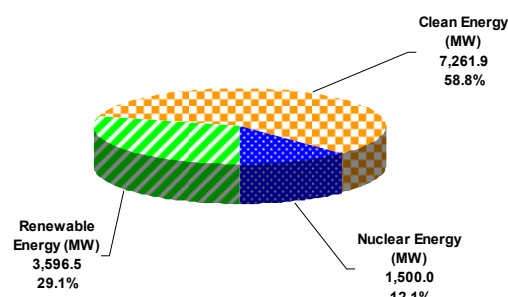


Chart 3 - Renewable Energy (Contract Capacity)
7,317 MW

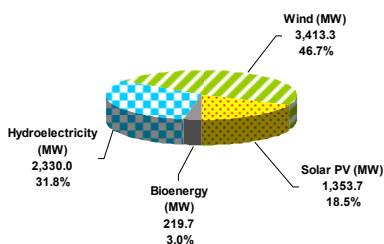


Chart 4 - Clean Energy (Contract Capacity)
7,935 MW

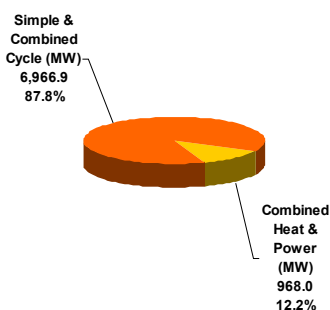


Chart 5 - Nuclear Energy (Contract Capacity)
3,000 MW

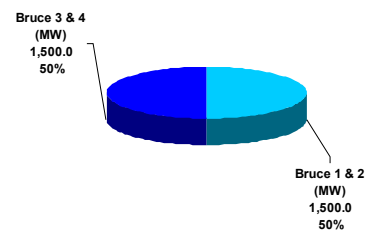


Chart 3 - Renewable Energy (Contract Capacity) 7,317 MW		Chart 4 - Clean Energy (Contract Capacity) 7,935 MW		Chart 5 - Nuclear Energy (Contract Capacity) 3,000 MW	
Commercial Operation	Under Development	Commercial Operation	Under Development	Commercial Operation (3 & 4)	Under Refurbishment (1 & 2)
3,597 MW	3,720 MW	7,262 MW	673 MW	1,500 MW	1,500 MW

Note: Variations in total megawatts and percentage are a result of value rounding.

* Average contract capacity is the average of the seasonal contract capacity

New Contracts Executed

Based on a directive dated April 10, 2008 for procurement of Combined Heat and Power (CHP) renewable cogeneration projects, which was superseded by a directive dated November 23, 2010 issued by the Minister of Energy, the OPA successfully negotiated and executed a 10-year contract with AbiBow Canada Inc. for the company to develop and operate a new biomass-fuelled plant in Thunder Bay. The Thunder Bay Condensing Turbine Project, with an average contract capacity of 40 MW, is expected to achieve commercial operation by early 2013.

Under a directive from the then Minister of Energy and Infrastructure dated May 7, 2009, the OPA successfully executed one additional Hydroelectric Contract Initiative (HCI) contract in the first quarter of 2011 for a 20-year period, for existing waterpower generation facilities, with a capacity of 0.3 MW. This brought the total number of HCI contracts to 37 (for 59 facilities), with a total combined capacity of close to 1,050 MW.

Contracts Achieved Commercial Operation

Within this quarter, the 99.4-MW Kruger Energy Chatham Wind Project developed by Kruger Energy Inc. completed all stipulated requirements under the Renewable Energy Supply III (RES) contract and achieved commercial operation. The 20-year term of the contract commenced on January 1.

In addition, the 78.0-MW Raleigh Wind Energy Centre developed by Raleigh Wind Power Partnership completed all stipulated requirements under the RES III contract and achieved commercial operation on January 29.

During this quarter, six Renewable Energy Standard Offer Program (RESOP) contracts with a combined capacity of close to 51 MW achieved commercial operation, including two wind contracts with a combined capacity of 20 MW, three solar contracts with a combined capacity of about 29 MW, and one bioenergy contract of about 1.6 MW.

Contracts Terminated

During the first quarter of 2011, the RESOP contract capacity was reduced by 6.5 MW from termination of one wind contract by mutual agreement. The developer of the project could not participate in the EcoENERGY program because of project schedule and assessed the project to be non-economical to proceed.

Feed-In Tariff Program Update

As of the end of the first quarter 2011, there were 1,222 FIT contracts executed with a combined capacity of 2,656 MW.

The OPA is offering to amend the contracts of all FIT counterparties who have not yet reached commercial operation, so that these suppliers may extend their milestone date for commercial operation by up to one year. For more information please visit: <http://fit.powerauthority.on.ca/february-9-2011-one-year-extension-milestone-date-commercial-operation-available-fit-contract-holder>.

The OPA has made a rule change for capacity allocation exempt (CAE) FIT applications submitted on or after December 8, 2010. A new eligibility criterion has been added that requires CAE facilities to be deemed by the OPA as capable of connecting at the proposed connection point. For more information please visit: <http://fit.powerauthority.on.ca/february-9-2011-rule-change-cae-fit-applications>.

Since launching the microFIT program, the OPA received more than 27,000 microFIT applications to the end of the first quarter 2011. Over 2,000 of these applications were terminated. The net combined capacity of the remaining applications is more than 220 MW.

The OPA has made a rule change that applies to all microFIT applications submitted on or after December 8, 2010. Applicants will need to obtain an offer to connect from their local distribution company before the OPA issues a microFIT conditional offer of contract. For more information please visit:

<http://fit.powerauthority.on.ca/february-9-2011-one-year-extension-milestone-date-commercial-operation-available-fit-contract-holder>.

Additional Details

For further information on OPA's electricity supply contracts, visit:

<http://www.powerauthority.on.ca/Page.asp?PageID=1212&SiteNodeID=123>.

For further information on OPA's Feed-in Tariff Program or microFIT Program, visit:

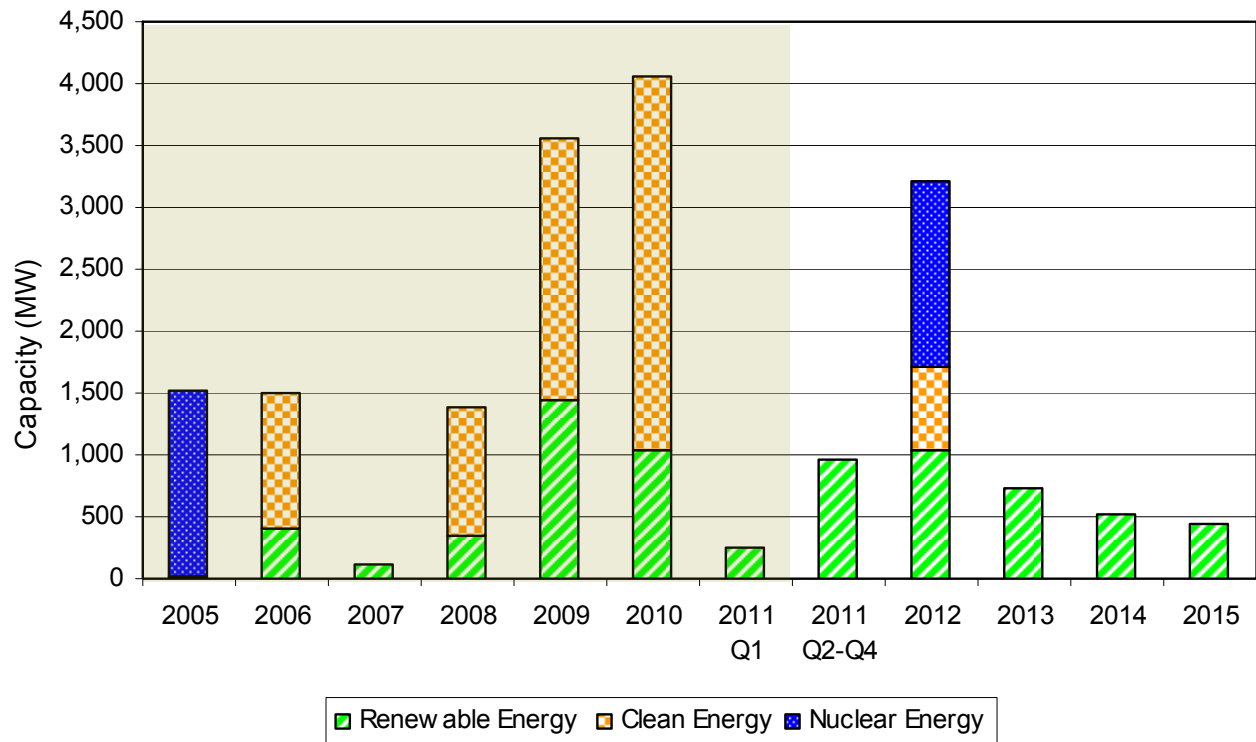
<http://fit.powerauthority.on.ca>.

Commercial Operation Chart

The following chart shows the progress of the OPA's contracted generation facilities.

The shaded area reflects capacity that is in commercial operation.

The un-shaded area reflects the current forecast.



Technology	2005	2006	2007	2008	2009	2010	2011 Q1	2011 Q2-Q4	2012	2013	2014	2015	TOTAL
Renewable Energy	11	396	113	341	1,448	1,043	245	959	1,047	737	528	449	7,317
Clean Energy	-	1,095	-	1,036	2,113	3,018	-	-	673	-	-	-	7,935
Nuclear Energy	1,500	-	-	-	-	-	-	-	1,500	-	-	-	3,000
TOTAL	1,511	1,491	113	1,377	3,561	4,061	245	959	3,220	737	528	449	18,252
Cumulative Totals	1,511	3,002	3,115	4,492	8,053	12,114	12,359	13,318	16,538	17,275	17,803	18,252	

RENEWABLE ENERGY SUPPLY

As of the end of the first quarter 2011, the OPA is managing 7,317 MW of renewable energy supply capacity. This capacity has been procured by a number of different methods, including competitive procurements, standard offers and the Feed-in Tariff Program.

Chart 6 - Under Development
3,720 MW

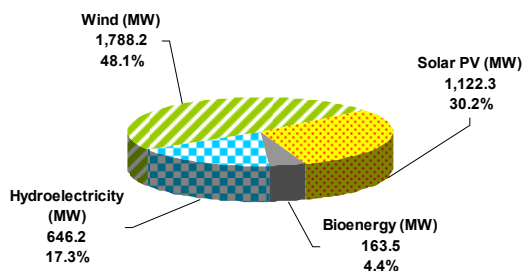
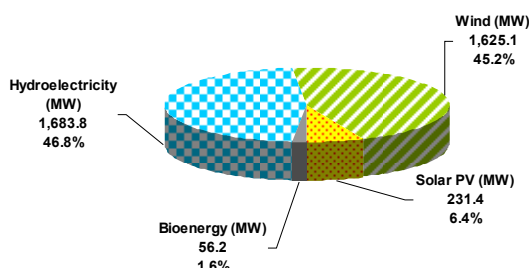


Chart 7 - In Commercial Operation
3,597 MW



As of the end of the first quarter 2011, the OPA had 5,685 renewable energy contracts with a combined capacity of 7,317 MW. More information on the renewable energy projects can be found in the following pages.

Energy Source	Contract Type	No. of Contracts	New Capacity Post-2003 (MW)		Total Capacity - Pre- and Post-2003 (MW)		Total In-Service and Under Development (MW)
			In-Service	Under Development	In-Service	Under Development	
Hydroelectricity	FIT	48	0	188.2	0	188.2	188
	RESOP	16	28.2	0	28.2	0	28
	RES	3	31.0	20.0	31.0	20.0	51
	HCI	37	0	0	1,049.6	0	1,050
	HESA	4	62.9	438.0	575.0	438.0	1,013
	Sub-Total	108	122.1	646.2	1,683.8	646.2	2,330
Wind	FIT	54	0.8	1,584.3	0.8	1,584.3	1,585
	RESOP	39	213.8	105.0	213.8	105.0	319
	RES	15	1,410.5	98.9	1,410.5	98.9	1,509
	Sub-Total	108	1,625.1	1,788.2	1,625.1	1,788.2	3,413
Bioenergy	FIT	41	8.3	47.9	8.3	47.9	56
	RESOP	23	38.8	30.6	38.8	30.6	70
	CHP III	3	0	85.0	0	85.0	85
	RES	3	9.1	0	9.1	0	9
	Sub-Total	70	56.2	163.5	56.2	163.5	220
Solar	FIT	1,079	2.3	823.9	2.3	823.9	826
	microFIT	4,259	35.7	0	35.7	0	36
	RESOP	61	193.4	298.4	193.4	298.4	492
	Sub-Total	5,399	231.4	1,122.3	231.4	1,122.3	1,354
Sub-Total			2,035	3,720	3,597	3,720	
Total		5,685	5,755		7,317		7,317

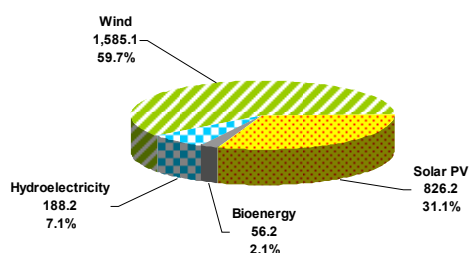
Renewable Energy Programs

Feed-in Tariff

The implementation of the Feed-in Tariff (FIT) Program is a key element in meeting the objectives of the *Green Energy Act, 2009*, and is critical to Ontario's success in becoming a leading renewable energy jurisdiction. The OPA launched the FIT Program in October 2009.

The FIT Program is divided into two streams: FIT and microFIT. FIT is designed for renewable projects over 10 kilowatts. At the end of the first quarter 2011, the OPA had executed 1,222 FIT contracts with a combined generating capacity of 2,656 MW. The OPA had received close to 5,600 FIT applications with a combined capacity of over 16,700 MW at the end of the first quarter 2011. Applications continue to be accepted and processed.

Chart 8 - Feed-In Tariff Contracts Executed
2,656 MW



Feed-In Tariff Program Contracts

Energy Source	No. of Contracts	Capacity (MW)
Hydroelectricity	48	188.2
Wind	54	1,585.1
Bioenergy	41	56.2
Solar PV	1,079	826.2
Total	1,222	2,655.7

The status of FIT contracts with capacity greater than 10 MW is reported in the following pages.

Big Thunder Beta Windpark (16.5 MW wind) – Big Thunder Wind Park LP

- Renewable Energy Approval (REA) process underway
- Connection Impact Assessment (CIA) near completion

Bow Lake Phase 1 (20.0 MW wind) – Bow Lake Phase 1 Wind Farm Ltd.

- REA process underway
- System Impact Assessment (SIA) and CIA are in progress

Bow Lake Phase 2a and 2b (40.0 MW wind) – Bow Lake Phase 2 Wind Farm Ltd.

- REA process underway
- SIA and CIA are in progress

Clean Breeze Wind Park (12.5 MW wind) – Clean Breeze Wind Park LP

- REA process underway
- Wind turbine procurement process continued

Comber East – C24Z and Comber West – C23Z Wind Project (165.6 MW wind) – Comber Wind Limited Partnership

- Application for construction permits in progress
- Construction of access roads, wind turbine foundations, substation, and collector system is in progress
- Detailed electrical design is in progress

Conestogo Wind Energy Centre (23.0 MW wind) – Conestogo Wind, LP

- REA process underway
- Detailed engineering and site surveying work began
- Connection discussions with Hydro One are ongoing

Conestogo Wind Energy Centre 1 (69.0 MW wind) – Invenergy Wind Canada ULC

- REA process underway
- Hydro One working through connection cost estimate
- Field work conducted for natural heritage report as per the MNR request

Fairview Wind Farm (18.4 MW wind) – wpd Canada Corp.

- REA process underway
- Draft project description report was submitted to the Ministry of the Environment (MOE)

Farm Owned Power (Melancthon) (100.0 MW wind) – Farm Owned Power (Melancthon) Ltd.

- REA process underway
- Wind turbine layout was completed
- Completed additional land acquisitions and finalizing finance options

Goulais Wind Farm (25.0 MW wind) - Confederation Power Inc.

- REA process underway
- Conducted preliminary site design, mapping and layout

Grand Valley Wind Farms (Phase 2) (10.8 MW wind) – Grand Valley Wind Farms Inc.

- Engineering and procurement activities underway
- Application for municipal permits in progress
- CIA completed and SIA is underway
- Domestic content and financing plan has been confirmed

Grey Highlands Clean Energy (20.0 MW wind) – Grey Highlands Clean Energy LP

- REA process underway
- Wind turbine procurement process underway

Index Energy Mills Road Corporation (17.8 MW biomass) – Index Energy Mills Road Corporation

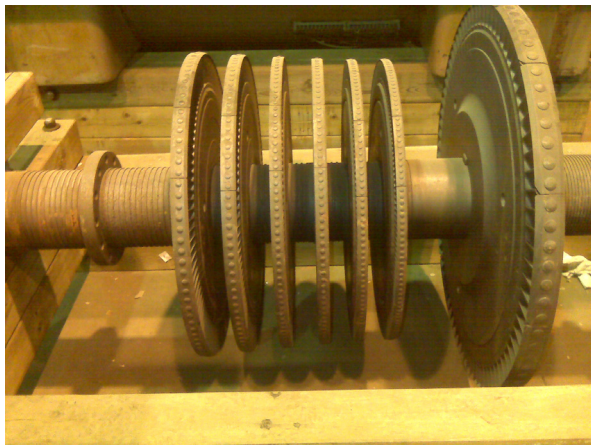


Figure 1 – A view of a turbine rotor removed for refurbishment. During the first quarter 2011, the REA process continued and application for construction permits was in progress. Engineering design approximately 50 percent complete.



Figure 2 – A view of a boiler on-site. During the first quarter 2011, the CIA was completed and procurement activities are ongoing.

McLean's Mountain Wind Farm (50.0 MW wind) – McLean's Mountain Wind LP

- CIA and SIA complete
- Finalized negotiation with turbine supplier
- Completed partnership arrangement with United Chiefs and Councils of Mnidoo Mnising First Nations (UCCMM) and applied for Aboriginal Adder

Ostrander Point Wind Energy Park (24.0 MW wind) – Gilead Power Corporation

- REA process underway
- Procurement activities for both major equipment and engineering, procurement and construction (EPC) contractor underway

Plateau I & II Wind (18.0 MW wind) – International Power Canada, Inc.

- CIA underway

Pointe Aux Roches Wind (48.6 MW wind) – International Power Canada, Inc.

- Civil work was completed on all access roads, crane pads and foundation construction
- All 27 turbines were fully erected
- Majority of turbines reached mechanical completion

Port Dover and Nanticoke Wind Project (105.0 MW wind) – Capital Power GP Holdings Inc.

- REA process underway
- Active consultation program is ongoing
- Preliminary engineering and preparatory work for the project's connection was initiated

Pukwis Community Wind Park (20.0 MW wind) – Pukwis Wind Partner I Inc. and Pukwis Energy Co-op

- Project financing discussions in final stages
- Contract for engineering, procurement and construction (EPC) contractor for the balance of plant to be finalized in April
- Additional community outreach was undertaken and permitting discussions are in advanced stages

South Branch Wind Farm (30.0 MW wind) – South Branch Windfarm Inc.

- REA process underway
- SIA and high voltage CIA are in progress
- Low voltage connection assessment was completed

Sumac Ridge Wind Farm (11.5 MW wind) – wpd Canada Corp.

- REA process underway
- Final site layout including locating roads, collection system and switching station are nearing completion
- Ongoing collection of onsite wind data
- Location of the interconnection infrastructure has been finalized with the municipality and Hydro One

Summerhaven Wind Energy Centre (125.0 MW wind) – Summerhaven Wind, LP

- REA process underway
- Detailed engineering and site surveying work is ongoing

White Pines Wind Farm (60.0 MW wind) – White Pines Wind Farm Inc.

- REA process underway
- Draft project description report was submitted to the MOE
- Discussions with Hydro One regarding transmission line and connection point are ongoing

ZEP Wind Farm Ganaraska (20.0 MW wind) – ZEP Wind Farm Ganaraska LP

- REA process underway
- Turbine purchase agreement complete

microFIT

The microFIT Program is designed for small renewable power projects that have a generating capacity of 10 kilowatts (kW) or less.

At the end of the first quarter 2011, the OPA had received 25,078 microFIT applications with a combined capacity of 229 MW and 20,391 conditional offers had been made with a combined capacity of 186 MW. A total of 4,269 microFIT contracts had been executed with a combined capacity of 36 MW. The microFIT program accepts applications for solar, biomass, biogas, water and wind projects.

Renewable Energy Standard Offer Program

As of the end of the first quarter 2011, the OPA had 139 contracts for facilities greater than 10 kW in size, representing 908 MW of RESOP capacity. Of these, over 474 MW, or 52 percent, have achieved commercial operation.

During the first quarter 2011, the RESOP capacity was reduced by close to one MW through a contract amendment; one contract with a capacity of close to seven MW was terminated.

Accounting for these adjustments, the overall RESOP capacity was reduced to 908 MW from 916 MW, as reported in the fourth quarter of 2010.

Chart 9 - Total RESOP Capacity
908 MW

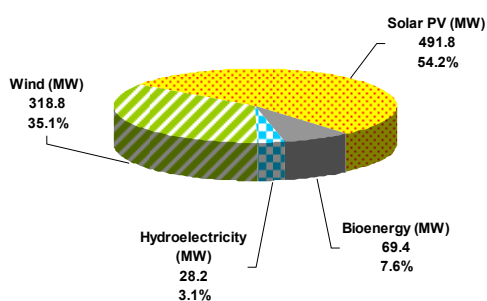
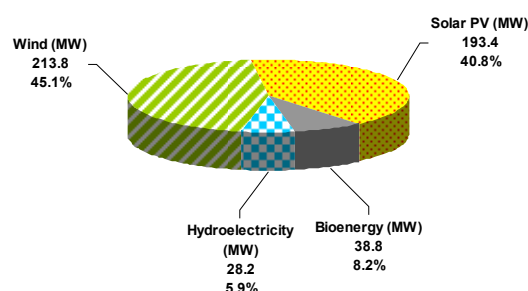


Chart 10 - Total RESOP Capacity in Commercial Operation
474 MW



Renewable Energy Standard Offer Program Contracts

Energy Source	No. of Contracts in Commercial Operation	Capacity (MW)	No. of Contracts under Development	Capacity (MW)
Hydroelectricity	16	28.2	0	0.0
Wind	28	213.8	11	105.0
Bioenergy	17	38.8	6	30.6
Solar PV	27	193.4	34	298.4
Total	88	474.2	51	434

Other Procurement Processes

In addition to the Feed-in Tariff Program and RESOP, at the end of the first quarter 2011, the OPA had 3,717 MW of renewable energy supply capacity under contract. Under these contracts, 3,075 MW are in commercial operation and 642 MW are under development.

Chart 11 - Under Development
642 MW

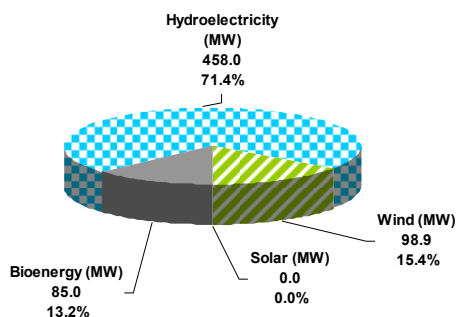
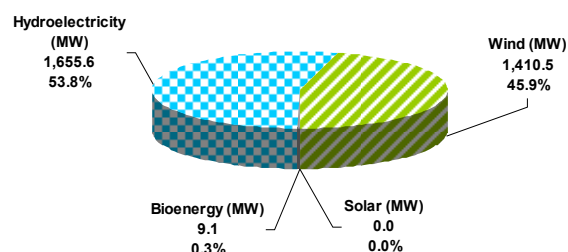


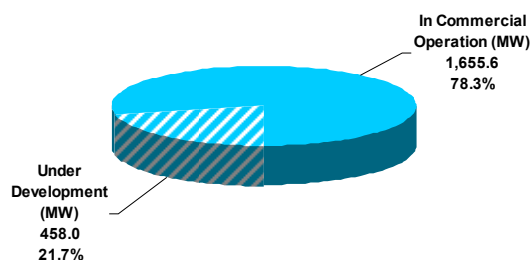
Chart 12 - In Commercial Operation
3,075 MW



Hydroelectricity Contracts

In addition to the Feed-in Tariff Program and RESOP, the OPA has 2,114 MW of hydroelectric capacity contracted through direct negotiations with owners or operators or other procurement processes. This capacity was procured under the HCI directive, the Hydroelectric Energy Supply Agreement (HESA) directive and two separate renewable energy supply directives. As of the end of the first quarter 2011, 1,656 MW were in commercial operation and 458 MW were at various stages of development.

Chart 13 - Total Hydroelectric Capacity
2,114 MW



Lower Mattagami Hydroelectric Station Expansion (924 MW with 491 MW under development) – LMEL and LML Partnership – Kapuskasing: Mattagami River

Harmon Generating Station (78.0 MW)



Figure 3 – The crawler crane was mobilized to site and ready for cofferdam installation.

Kipling Generating Station (78.0 MW)



Figure 4 – Kipling access road and marine pad construction was completed.

Little Long Generating Station (67.0 MW)



Figure 5 – Little Long shore tie-in construction continues with grout injection required to complete the shore tie-in abutment.

Smoky Falls Generating Station (268.0 MW)



Figure 6 – The Smoky Falls earth cofferdam dewatering is complete. Excavation continues for powerhouse, intake and tailrace footprints.

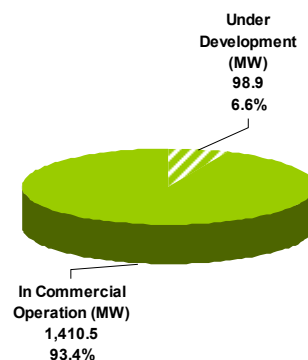
Island Falls Generating Station (20.0 MW) – Yellow Falls Power LP – Smooth Rock Falls: Mattagami River

- The project received the environmental approval from the Ministry of the Environment

Wind Contracts

In addition to the Feed-in Tariff Program and RESOP, the OPA has 1,509 MW of wind capacity under contract that was procured through three renewable energy supply directives. A total of 1,410 MW have achieved commercial operation. The remainder comes from one project, the Greenwich Wind Farm, with a capacity of 99 MW which is at the final stage of construction and commissioning.

Chart 14 - Total Wind Capacity
1,509 MW



Greenwich Wind Farm (98.9 MW) – Enbridge Inc. – District of Thunder Bay



Figure 7 – A view of the Hydro One interconnection. Collection circuits were over 70 percent complete. Switching station and substation work were completed, and the project was connected as a load customer as of March 14.



Figure 8 – A view of the substation and the control building. Hydro One completed its work in early March. At the end of the first quarter 2011, 90 percent of turbine foundations were completed. The site is getting ready to receive turbines in May.

Kruger Energy Chatham Wind Project (99.4 MW) – Kruger Energy – Municipality of Chatham-Kent



Figure 9 – Kruger Energy Chatham Wind Project achieved commercial operation on January 1.

Raleigh Wind Energy Centre (78.0 MW) – Raleigh Wind Power Partnership – Municipality of Chatham-Kent

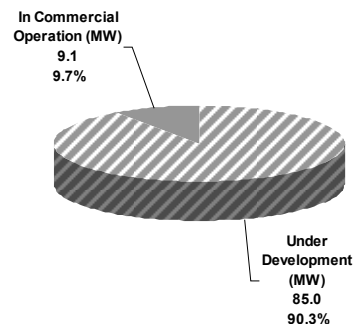


Figure 10 – Raleigh Wind Energy Centre achieved commercial operation on January 29.

Bioenergy Contracts

In addition to the Feed-in Tariff Program and RESOP, the OPA has 94 MW of bioenergy capacity generated by biomass and landfill waste under contract procured under ministerial directives. Within this capacity, a total of 85 MW, which is currently under development, adopts combined heat and power technology that uses renewable biomass as a fuel. The remaining 9.1 MW is in commercial operation.

*Chart 15 - Total Bioenergy Capacity
94 MW*



Becker Cogeneration Plant (15.0 MW) – Becker Cogeneration Plant – Hornepayne

- Becker and Hydro One continue to work on a solution to connect the facility to the grid.

St. Marys Renewable Energy Centre (30.0 MW) – St. Marys Renewable Energy LP – Sault Ste. Marie

- REA process with the Ministry of the Environment is in progress
- Request for quotation was formally issued to vendors for major equipment
- Discussions held with several financiers

Thunder Bay Condensing Turbine Project (40.0 MW) – AbiBow Canada Inc. – Thunder Bay



Figure 11 – A view of the generator stator being moved to the storage facility. Inspection of the generator unit is complete and a quote is issued for the refurbishment. Detailed refurbishment engineering for the turbine is in progress. Detailed engineering firm and project manager were selected.

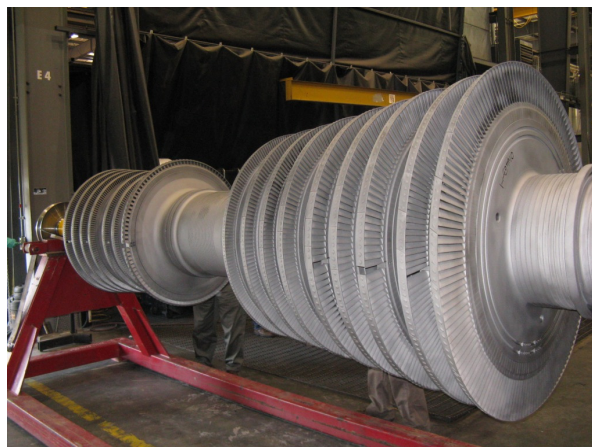


Figure 12 – A view of the high pressure turbine rotor. SIA agreement from IESO and CIA agreement from Hydro One are in place and associated studies are in progress.

CLEAN ENERGY SUPPLY

As of the end of the first quarter 2011, the OPA is managing 7,935 MW of clean energy supply capacity, generated mainly by natural gas-fired facilities. This capacity includes 6,967 MW from simple/combined-cycle facilities (including 2,140 MW for Lennox GS) and 968 MW from combined heat and power facilities.

Chart 16 - Under Development
673 MW

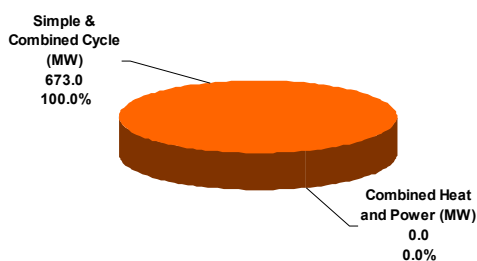
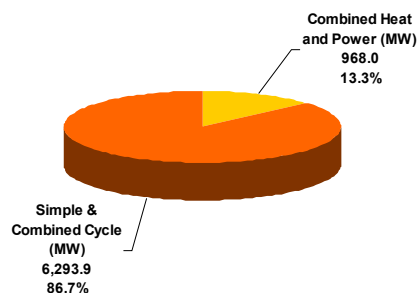


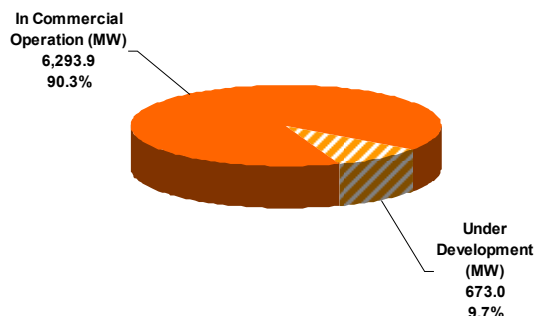
Chart 17 - In Commercial Operation
7,262 MW



Simple/Combined Cycle Contracts

The OPA has 6,967 MW of clean energy supply capacity generated by simple/combined-cycle facilities under contract, with 6,294 MW already in commercial operation and 673 MW under various stages of development.

Chart 18 - Total Simple/Combined-Cycle Capacity
6,967 MW



Greenfield South Power Plant (280.0 MW) – Greenfield South Power Corp. – Mississauga

- Detailed engineering and procurement for plant equipment continued
- Connection Cost Recovery Agreement in process
- Project financing in progress

York Energy Centre (393.0 MW) – York Energy Centre LP – Township of King



Figure 13 – Foundations for unit #1 and #2 turbines and generators were completed and both units set in place.

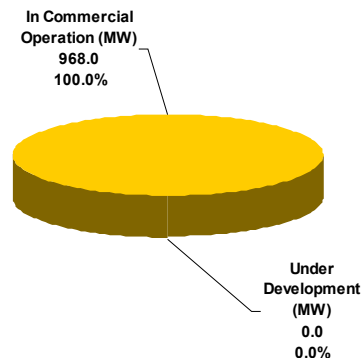


Figure 14 – Mobilization of natural gas pipeline connection contractor to site is in progress. Hydro One has begun construction of the support towers for the 230-kV interconnection on the Hydro One right of way.

Combined Heat and Power (CHP) Contracts under Development

The OPA has 968 MW of combined heat and power capacity under contract. All capacity has achieved commercial operation.

Chart 19 - Total CHP Capacity
968 MW



NUCLEAR ENERGY SUPPLY

Bruce A Restart and Refurbishment

The OPA has 3,000 MW of nuclear energy supply capacity under contract; 1,500 MW come from the restart of units 1 and 2, which are under refurbishment. Expected commercial operation for the two units is 2012.

The other 1,500 MW come from units 3 and 4, which are currently in operation. These two units will be refurbished when they reach their end of service life.

Bruce A Units 1 and 2 Restart (1,500 MW) – Bruce Power – Tiverton



Figure 15 – Valves and their components awaiting refurbishment are staged in a lay-down area on the turbine hall floor. The valve program is more than 75 percent complete.

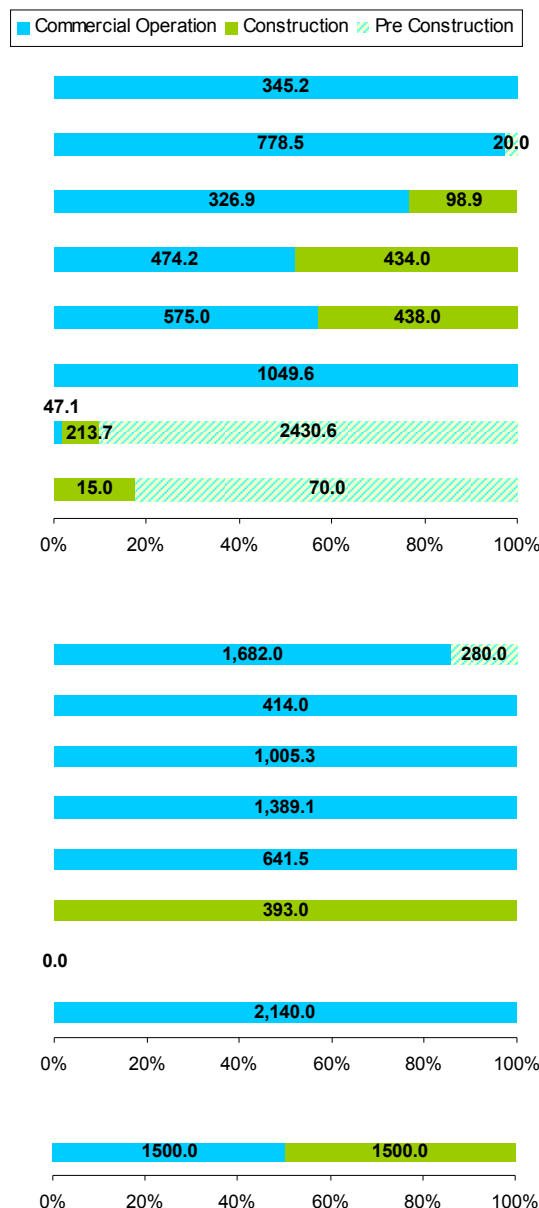


Figure 16 – A worker moves a snorkel lift away from the equipment airlock in unit 1. A project to upgrade airlocks and transfer chambers in unit 1 was recently announced complete.

STATUS OF MINISTERIAL DIRECTIVES

The OPA was established by *The Electricity Restructuring Act, 2004*. One of its mandates is to engage in activities to support the goal of ensuring adequate, reliable and secure electricity supply and resources in Ontario. The OPA receives directives from the Minister of Energy to authorize it to undertake major initiatives. The following provides the status of electricity supply procurement directives. A full listing of directives to the OPA is available at www.powerauthority.on.ca.

Directive	Procurement Method	Capacity Sought MW	Capacity Procured MW
RENEWABLE ENERGY			
300 MW Renewable Energy Supply (RES) I	RFP	300	345
1,000 MW RES II	RFP	1,000	799
2,000 MW RES III	RFP	2,000	426
Renewable Energy Standard Offer Program (RESOP)	Standard Offer	908 [†]	908
OPG Hydroelectric Energy Supply (HESA)	Negotiation	530	1,013*
Existing Hydroelectric Facilities (HCI)	Negotiation/ Standard Offer	1,050 [‡]	1,050
Feed-in Tariff (with 35.7 MW microFIT)	Standard Offer	2,691 [‡]	2,691
CHP (Renewable)**	RFP	100	85
Total		8,579	7,317
CLEAN ENERGY			
2,500 MW Clean Energy Supply (CES)	RFP	2,500	1,962***
Combined Heat & Power [†]	RFP	1,000	414
Early Movers Clean Energy Supply	Negotiation	1,315	1,005
Downtown Toronto and Goreway	Negotiation	1,350	1,389
Western GTA Supply	RFP	600	642
Northern York Region Supply	RFP	350	393
Durham & York Region Energy from Waste	Negotiation	TBC [†]	TBC
Lennox GS	Negotiation	2,140	2,140
Total		9,255	7,945
NUCLEAR ENERGY			
Bruce A Restart & Refurbishment	Negotiation	3,000	3,000
Total		20,834	18,262



* Including 486 MW of existing capacity

** A new directive dated November 23, 2010 for 1,000 MW of CHP (both natural gas and renewable) replaced all of the previous directives for CHP projects

*** Including 10 MW Demand Response contract

[†] To Be Confirmed

[‡] Target capacity was not specified for RESOP, HCI and FIT in their corresponding directives. Therefore, capacity sought reflects capacity procured.

APPENDICES

I: Contracted Facilities in Commercial Operation

Energy Source		Contract Facility	Average Contract Capacity (MW)	Commercial Operation / Term Commencement Date	Contract Expiry Date	Sub-Total	Total
Renewable Energy	Hydroelectricity	Andrews Generating Station	47.0	1-Dec-09	Q4 2029	1,684	3,597
		Aubrey Falls Generating Station	162.0	1-Dec-09	Q4 2029		
		Barrie Small Hydro Limited	0.1	17-Jul-10	Q3 2030		
		Bracebridge Falls Generating Station	0.6	1-May-10	Q2 2030		
		Brewers Mills	0.9	1-May-10	Q2 2030		
		Burk's Falls	1.1	1-May-10	Q2 2030		
		Calm Lake Generating Station	9.0	1-Dec-09	Q4 2029		
		Campellford-Seymour Electric Generation Inc. – Plant No. 1	2.0	1-Jan-10	Q4 2029		
		Chaudiere No. 2. Generating Station	8.4	1-Apr-10	Q1 2030		
		Chaudiere No. 4 Generating Station	9.3	1-Apr-10	Q1 2030		
		Clergue Generating Station	52.0	1-Dec-09	Q4 2029		
		Current River Hydro	0.5	1-Mar-10	Q1 2030		
		Devil's Gap Generating Station	0.5	1-Jun-10	Q2 2030		
		Dunford Generating Station	45.0	1-Dec-09	Q4 2029		
		Enerdu Power Systems Ltd.	0.3	1-Mar-11	Q1 2031		
		Fort Frances Generating Station	10.0	1-Dec-09	Q4 2029		
		Gananoque	0.7	1-May-10	Q2 2030		
		Gartshore Generating Station	23.0	1-Dec-09	Q4 2029		
		Glen Miller Generating Station	8.0	19-Dec-05	Q4 2025		
		Harmon Generating Station	141.0	1-Jun-65	Q4 2065		
		Harris Generating Station	12.0	1-Dec-09	Q4 2029		
		Healey Falls Generating Station	15.7	7-Apr-10	Q2 2060		
		Heywood Generating Station	7.2	1-Jan-10	Q4 2029		
		High Falls Generating Station #1	0.8	1-Oct-10	Q3 2030		
		Hogg Generating Station	18.0	1-Dec-09	Q4 2029		
		Hollingsworth Generating Station	23.0	1-Dec-09	Q4 2029		
		Hound Chute Generating Station	9.5	7-Dec-10	Q4 2060		
		Iroquois Falls Generating Station	29.0	1-Dec-09	Q4 2029		
		Island Falls Generating Station	38.0	1-Dec-09	Q4 2029		
		Jones Falls	2.4	1-May-10	Q2 2030		
		Kagawong Generating Station	0.8	1-Jan-10	Q4 2029		
		Kenora Generating Station	6.0	1-Dec-09	Q4 2029		

Energy Source		Contract Facility	Average Contract Capacity (MW)	Commercial Operation / Term Commencement Date	Contract Expiry Date	Sub-Total	Total
		Kingston Mills	1.9	1-May-10	Q2 2030		
		Kipling Generating Station	155.0	29-Jun-66	Q4 2065		
		Lac Seul/Ear Falls Generating Station	29.3	18-Feb-09	Q1 2059		
		Little Long Generating Station	137.0	2-Oct-63	Q4 2065		
		London Street Generating Station	4.1	1-Jan-10	Q4 2029		
		Lower Sturgeon Generating Station	14.0	21-Nov-10	Q4 2060		
		Mackay Generating Station	62.0	1-Dec-09	Q4 2029		
		Maple Hill	0.6	1-Dec-10	Q4 2030		
		Matthias Generating Station	3.0	1-Jan-10	Q4 2029		
		McPhail Generating Station	13.0	1-Dec-09	Q4 2029		
		Minden Generating Station	4.0	1-Jan-10	Q4 2029		
		Mission Generating Station	16.0	1-Dec-09	Q4 2029		
		Norman Generating Station	10.0	1-Dec-09	Q4 2029		
		Parry Sound PowerGen Corporation – Cascade Street Generating Station	1.2	1-Mar-10	Q1 2030		
		Rayner Generating Station	46.0	1-Dec-09	Q4 2029		
		Red Rock Falls Generating Station	41.0	1-Dec-09	Q4 2029		
		Renfrew Power Generation Inc. – Lower Plant	1.0	1-Jan-10	Q4 2029		
		Renfrew Power Generation Inc. – Upper Plant	1.0	1-Jan-10	Q4 2029		
		Rideau Falls	2.0	1-May-10	Q2 2030		
		Sandy Falls Generating Station	5.5	27-Oct-10	Q4 2060		
		Scone Generator	0.1	1-Jan-10	Q4 2029		
		Scott Falls Generating Station	22.0	1-Dec-09	Q4 2029		
		Shand Dam Generating Station	0.7	1-Sep-10	Q3 2030		
		Smoky Falls Generating Station	53.0	1926	Q4 2065		
		Steepphill Generating Station	16.0	1-Dec-09	Q4 2029		
		Stewart Generating Station	0.2	5-Jun-10	Q2 2030		
		Sturgeon Falls Generating Station	7.0	1-Dec-09	Q4 2029		
		Swift Rapids Generating Station	7.9	1-Jan-10	Q4 2029		
		Tembec, Smooth Rock Falls Facilities	8.0	14-Mar-10	Q1 2030		
		Tweed Generating Station	0.2	1-Nov-10	Q4 2030		
		Twin Falls Generating Station	22.0	1-Dec-09	Q4 2029		
		Umbata Falls Generating Station	23.0	12-Nov-08	Q4 2028		
		Washburn	0.2	1-May-10	Q2 2030		
		Wawaitin Generating Station	15.0	22-Nov-10	Q4 2060		
		Wells Generating Station	239.0	1-Dec-09	Q4 2029		

Energy Source		Contract Facility	Average Contract Capacity (MW)	Commercial Operation / Term Commencement Date	Contract Expiry Date	Sub-Total	Total
Clean Energy		West Nipissing Power Generation	6.5	1-Mar-10	Q1 2030		7,262
		Wilson's Falls	0.6	1-May-10	Q2 2030		
		635294 Ontario Inc.	0.5	1-Feb-10	Q1 2030		
		1149377 Ontario Limited	2.3	1-Jan-10	Q4 2029		
		FIT (combined contract capacity)	0.0	/			
		RESOP (combined contract capacity)	28.2	2007+	2027+		
	Wind	Enbridge Ontario Wind Farm	181.5	19-Feb-09	Q1 2029	1,625	
		Erie Shores Wind Farm	99.0	24-May-06	Q2 2026		
		Gosfield Wind Project	50.6	16-Sep-10	Q3 2030		
		Kingsbridge I Wind Power Project	39.6	16-Mar-06	Q1 2026		
		Kruger Energy Chatham Wind Project	99.4	1-Jan-11	Q4 2030		
		Kruger Energy Port Alma Wind Power Project	101.2	31-Oct-08	Q4 2028		
		Melancthon I Wind Plant	67.5	4-Mar-06	Q1 2026		
		Melancthon II Wind Plant	132.0	24-Nov-08	Q4 2028		
		Prince I Wind Power Project	99.0	21-Sep-06	Q3 2026		
		Prince II Wind Power Project	90.0	19-Nov-06	Q4 2026		
		Raleigh Wind Energy Centre	78.0	29-Jan-11	Q1 2031		
		Ripley Wind Power Project	76.0	22-Dec-07	Q4 2027		
		Talbot Wind Farm	98.9	16-Dec-10	Q4 2030		
		Wolfe Island Wind Project	197.8	26-Jun-09	Q2 2029		
		FIT (combined contract capacity)	0.8	2010+	2030+		
		RESOP (combined contract capacity)	213.8	2007+	2027+		
	Bioenergy	Eastview Landfill Gas Energy Plant	2.5	18-Aug-05	Q3 2025	56	
		Hamilton (Digester Gas) Cogeneration Project	1.6	10-Jul-06	Q3 2026		
		Trail Road Landfill Generating Facility	5.0	31-Jan-07	Q1 2027		
		FIT (combined contract capacity)	8.3	2010+	2030+		
		RESOP (combined contract capacity)	38.8	2007+	2027+		
	Solar PV	FIT (microFIT) (combined contract capacity)	38.0	2010+	2030+	232	
		RESOP (combined contract capacity)	193.4	2007+	2027+		
Simple/ Combined Cycle	Brighton Beach Power Station	541.3	1-Jan-06	Q4 2024	6,294		
	Goreway Station	839.1	4-Jun-09	Q2 2029			
	Greenfield Energy Centre	1,005.0	16-Oct-08	Q4 2028			
	Halton Hills Generating Station	641.5	1-Sep-10	Q3 2030			
	Lennox Generating Station	2,140.0	1977	Q4 2011			

Energy Source		Contract Facility	Average Contract Capacity (MW)	Commercial Operation / Term Commence ment Date	Contract Expiry Date	Sub-Total	Total
		Portlands Energy Centre	550.0	22-Apr-09	Q2 2029		
		St. Clair Energy Centre	577.0	30-Mar-09	Q1 2029		
	Combined Heat and Power	Essar Cogeneration Facility	63.0	13-Jun-09	Q2 2029	968	
		Durham College District Energy Project	2.3	11-Mar-08	Q1 2028		
		East Windsor Cogeneration	84.0	6-Nov-09	Q4 2029		
		Great Northern Tri-Gen Facility	11.3	31-Oct-08	Q4 2028		
		GTAA Cogeneration Plant	90.0	1-Feb-06	Q1 2026		
		London Cogeneration Facility	12.0	31-Dec-08	Q4 2028		
		Sarnia Regional Cogeneration Plant	444.0	1-Jan-06	Q2 2024		
		Sudbury District Energy Cogeneration Plant	5.0	1-Jan-06	Q4 2024		
		Sudbury District Energy, Hospital Cogeneration	6.7	1-Jan-06	Q4 2024		
		Thorold Cogen	236.4	28-Mar-10	Q1 2030		
		Trent Valley Cogeneration Plant	8.3	1-Jan-06	Q4 2015		
		Warden Energy Centre	5.0	4-Jun-08	Q2 2028		
		Nuclear Energy	Nuclear	Bruce A Unit 3	750.0		
Bruce A Unit 4	750.0			31-Oct-05	TBD		
TOTAL							12,359

II: Contracted Facilities under Development

Energy Source		Contract Facility	Average Contract Capacity (MW)	Target Commercial Operation Date	Contract Expiry Date	Sub-Total	Total
Renewable Energy	Hydroelectricity	Harmon Generating Station	78.0	Q4 2015	Q4 2065	646	3,720
		Island Falls Generating Station	20.0	TBD	TBD		
		Kipling Generating Station	78.0	Q4 2015	Q4 2065		
		Little Long Generating Station	67.0	Q4 2015	Q4 2065		
		Smoky Falls Generating Station	215.0	Q4 2015	Q4 2065		
		FIT (combined contract capacity)	188.2	2011+	2031+		
		RESOP (combined contract capacity)	0.0	2011+	2031+		
	Wind	Greenwich Wind Farm	98.9	Q4 2011	Q4 2031	1,788	
		FIT (combined contract capacity)	1,584.3	2011+	2031+		
		RESOP (combined contract capacity)	105.0	2011+	2031+		
	Bioenergy	Becker Cogeneration Plant	15.0	Q3 2011	Q3 2021	164	
		St. Marys Renewable Energy Centre	30.0	Q2 2014	Q2 2024		
		Thunder Bay Condensing Turbine Project	40.0	Q1 2013	Q1 2023		
		FIT (combined contract capacity)	47.9	2011+	2031+		
RESOP (combined contract capacity)		30.6	2011+	2031+			
Solar PV	FIT (combined contract capacity)	823.9	2011+	2031+	1,122		
	RESOP (combined contract capacity)	298.4	2011+	2031+			
Clean Energy	Simple/ Combined Cycle	Greenfield South Power Plant	280.0	Q3 2014	Q3 2034	673	673
		York Energy Centre	393.0	Q3 2012	Q3 2032		
Nuclear Energy	Nuclear	Bruce A Unit 1	750.0	Q3 2012	TBD	1,500	1,500
		Bruce A Unit 2	750.0	Q1 2012	TBD		
TOTAL							5,893



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