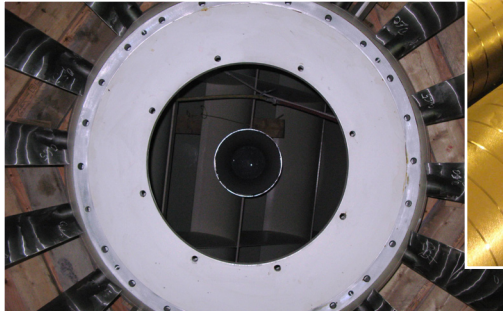
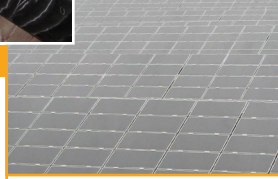


ONTARIO POWER AUTHORITY



A Progress Report On Electricity Supply

Fourth Quarter 2010

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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 fourth quarter 2010, the OPA had 18,137 megawatts (MW) of electricity supply capacity, based on average contract capacity*, under contract. This includes 7,202 MW of renewable energy, 7,935 MW of clean energy, and 3,000 MW of nuclear energy.

Within this 18,137 MW of supply capacity, 4,709 MW were procured from existing generating facilities including the 2,140-MW Lennox Generating Station (GS), which required no or minimal new capital investment. The remaining capacity, 13,428 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
18,137 MW

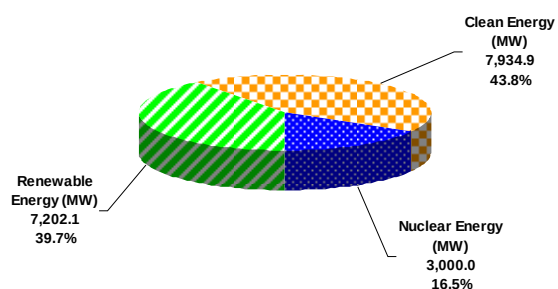


Chart 2 - Total Capacity in Commercial Operation
12,114 MW

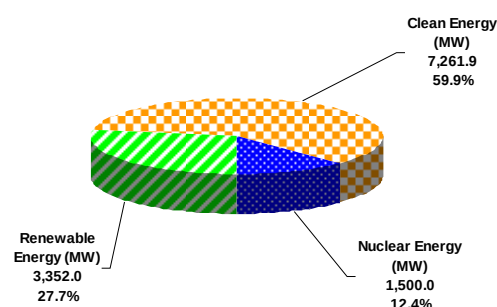


Chart 3 - Renewable Energy (Contract Capacity)
7,202 MW

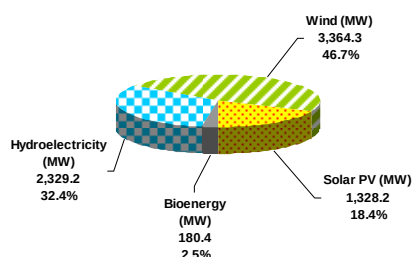


Chart 4 - Clean Energy (Contract Capacity)
7,935 MW

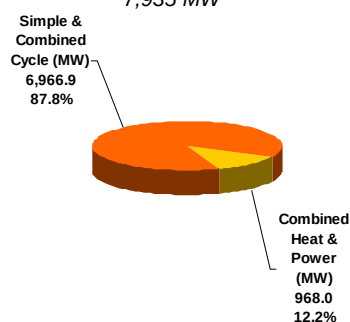


Chart 5 - Nuclear Energy (Contract Capacity)
3,000 MW

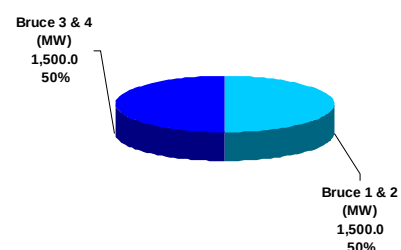


Chart 3 - Renewable Energy (Contract Capacity) 7,202 MW		Chart 4 - Clean Energy (Contract Capacity) 7,935 MW		Chart 5 - Nuclear Energy (Contract Capacity) 3,000 MW	
Commercial Operation	Under Development	Commercial Operation	Under Development	Commercial Operation (3 & 4)	Under Refurbishment (1 & 2)
3,352 MW	3,850 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

Under a directive from the then Minister of Energy and Infrastructure dated January 6, 2010, the OPA successfully negotiated and executed a contract with Ontario Power Generation for the Lennox GS in order to help support the general adequacy of the electricity system in Ontario. The 2,140-MW station has been operational since 1977. The contract duration is one year and may be renewed for a further term.

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 St. Marys Paper Corporation for the company to develop and operate a new biomass-fuelled plant in Sault Ste. Marie. St. Marys Renewable Energy Centre, with an average contract capacity of 30 MW, is expected to reach commercial operation by early 2014.

Under a directive from the then Minister of Energy and Infrastructure dated May 7, 2009, the OPA successfully executed three additional Hydroelectric Contract Initiative (HCI) contracts in the fourth quarter of 2010, each for a 20-year period, for existing waterpower generation facilities, with a combined capacity of 1.6 MW. This brought the total number of HCI contracts to 36 (for 58 facilities) with a total combined capacity of 1,049 MW.

Contracts Achieved Commercial Operation

Within this quarter, the 44-MW Upper Mattagami project developed by UMH Energy Partnership, an Ontario general partnership of Ontario Power Generation Inc. and UMH Energy Inc., completed all stipulated requirements under the Hydroelectric Energy Supply Agreement (HESA) and achieved commercial operation. The 50-year term of the contract commenced on October 27.

In addition, the 98.8-MW Talbot wind farm developed by Enbridge Inc. completed all stipulated requirements under the Renewable Energy Supply III (RES) contract and achieved commercial operation on December 16.

During this quarter, 11 Renewable Energy Standard Offer Program (RESOP) contracts with a combined capacity of about 96 MW achieved commercial operation, including four wind contracts with a combined capacity of 40 MW, six solar contracts with a combined capacity of about 55 MW, and one hydroelectric contract of about 1 MW.

Contracts Terminated

During the fourth quarter of 2010, the RESOP contract capacity was reduced by approximately 61 MW. This was the result contract terminations due to mutual agreements (20 MW) and due to failure to meet contract requirements (41 MW).

Feed-In Tariff Program Update

During the fourth quarter of 2010, an additional 135 Feed-in Tariff (FIT) contracts were executed with a combined capacity of 89 MW. This brought the total number of FIT contracts to 1,208 with a combined capacity of 2,590 MW.

Since launching the microFIT program, the OPA received more than 24,000 microFIT applications to the end of the fourth quarter 2010, with a combined capacity of nearly 220 MW.

Additional Details

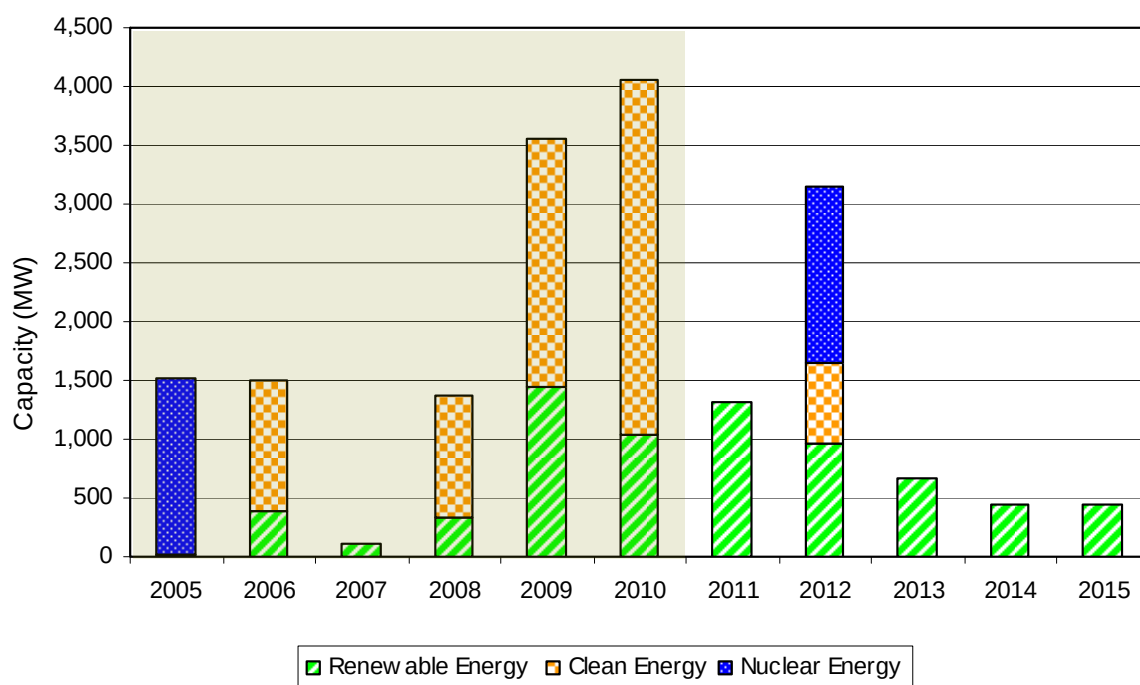
For further information on OPA electricity supply contracts, visit:
<http://www.powerauthority.on.ca/Page.asp?PageID=1212&SiteNodeID=123>.

For further information on OPA 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	2012	2013	2014	2015	TOTAL
Renewable Energy	11	396	113	341	1,448	1,043	1,313	969	666	453	449	7,202
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	1,313	3,142	666	453	449	18,137
Cumulative Totals	1,511	3,002	3,115	4,492	8,053	12,114	13,427	16,569	17,235	17,688	18,137	

RENEWABLE ENERGY SUPPLY

As of the end of the fourth quarter 2010, the OPA is managing 7,202 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
3,850 MW

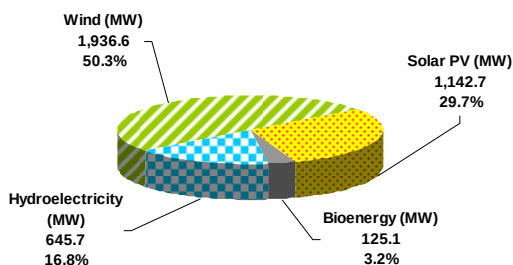
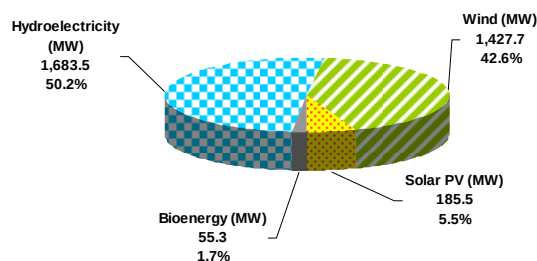


Chart 7 - In Commercial Operation
3,352 MW



As of the end of the fourth quarter 2010, the OPA had 3,917 renewable energy contracts with a combined capacity of 7,202 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	47	0	187.7	0	187.7	188
	RESOP	16	28.2	0	28.2	0	28
	RES	3	31.0	20.0	31.0	20.0	51
	HCI	36	0	0	1,049.3	0	1,049
	HESA	4	60.2	438.0	575.0	438.0	1,013
	Sub-Total	106	119.4	645.7	1,683.5	645.7	2,329
Wind	FIT	54	0.8	1,528.8	0.8	1,528.8	1,530
	RESOP	40	193.8	131.5	193.8	131.5	325
	RES	15	1,233.1	276.3	1,233.1	276.3	1,509
	Sub-Total	109	1,427.7	1,936.6	1,427.7	1,936.6	3,364
Bioenergy	FIT	41	8.3	47.9	8.3	47.9	56
	RESOP	23	37.9	32.2	37.9	32.2	70
	CHP III	2	0	45.0	0	45.0	45
	RES	3	9.1	0	9.1	0	9
	Sub-Total	69	55.3	125.1	55.3	125.1	180
Solar	FIT	1,066	1.5	815.1	1.5	815.1	817
	microFIT	2,510	19.7	0	19.7	0	20
	RESOP	61	164.3	327.6	164.3	327.6	492
	Sub-Total	3,637	185.5	1,142.7	185.5	1,142.7	1,329
Sub-Total			1,788	3,850	3,352	3,850	
Total		3,921	5,638		7,202		7,202

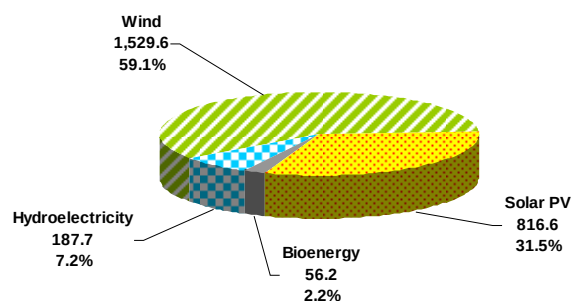
Renewable Energy Programs

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 fourth quarter 2010, the OPA had executed 1,208 FIT contracts with a combined generating capacity of 2,590 MW. The OPA had received close to 4,100 FIT applications with a combined capacity of over 16,200 MW at the end of the fourth quarter 2010. Applications continue to be accepted and processed.

Chart 8 - Feed-In Tariff Contracts Executed
2,590 MW



Feed-In Tariff Program Contracts

Energy Source	No. of Contracts	Capacity (MW)
Hydroelectricity	47	187.7
Wind	54	1,529.6
Bioenergy	41	56.2
Solar PV	1,066	816.6
Total	1,208	2,590.1

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 continued
- Connection Impact Assessment (CIA) near completion

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

- REA process continued
- 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 continued
- SIA and CIA are in progress

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

- REA process continued
- Wind turbine procurement process continued

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

- REA process continued
- Application for construction permits is in progress
- Construction of access roads and wind turbine foundations is in progress
- Detailed civil design is near completion and detailed electrical design is in progress

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

- REA process continued

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

- The Independent Electricity System Operator (IESO) issued a final SIA report for the project
- Preliminary engineering agreement with Hydro One was executed
- Additional field work conducted for Natural Heritage Report as per the MNR request

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

- REA process continued
- Draft project description report was submitted to the Ministry of the Environment

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

- REA process continued
- Wind turbine layout was completed
- Wind turbine procurement in progress

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

- Engineering and procurement activities continued
- Application for municipal permits in progress
- CIA continued

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

- REA process continued
- Wind turbine procurement process continued

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

- Permitting process continued
- Engineering design continued
- Procurement activities continued

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

- REA process continued
- Procurement activities continued

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

- CIA continued

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

- Project construction commenced

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

- REA process continued
- SIA and CIA were issued

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

- Project financing discussions continued
- Development of engineering, procurement and construction (EPC) request for proposal (RFP) for the balance of plant is in progress

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

- REA process continued
- SIA and CIA are in progress
- CIA with the local distribution company (LDC) was completed

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

- REA process continued
- Procurement activities continued
- Installation of onsite meteorological tower completed
- Preliminary engineering on connection infrastructure in progress

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

- REA process continued
- SIA and CIA processes completed
- Site survey and geo-technical analyses in progress

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

- REA process continued
- Draft project description report in progress

Wolfe Island Shoals Wind Farm (300.0 MW offshore wind) – Windstream Wolfe Island Shoals Inc.

- REA process commenced
- SIA and CIA processes completed
- Engineering design in progress

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

- REA process continued
- Procurement activities continued

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 fourth quarter 2010, the OPA had received 24,047 microFIT applications with a combined capacity of about 220 MW and 18,370 conditional offers had been made with a combined capacity of over 167 MW. A total of 2,510 microFIT contracts had been executed with a combined capacity of 19.7 MW. Almost 100 percent of this capacity is for solar projects.

Renewable Energy Standard Offer Program

As of the end of the fourth quarter 2010, the OPA had 140 contracts for facilities greater than 10 kW in size, representing 916 MW of RESOP capacity. Of these, 424 MW, or 46 percent, have achieved commercial operation.

During the fourth quarter 2010, seven contracts with a combined capacity of about 61 MW had been terminated.

Accounting for these adjustments, the overall RESOP capacity was reduced to 916 MW from 977 MW, as reported in the third quarter of 2010.

Chart 9 - Total RESOP Capacity
916 MW

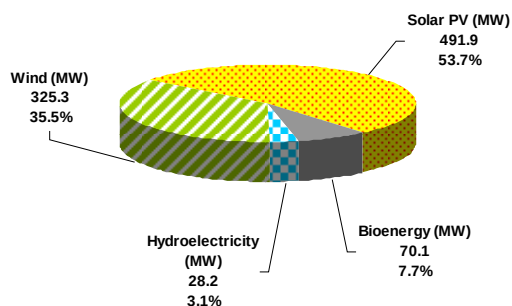
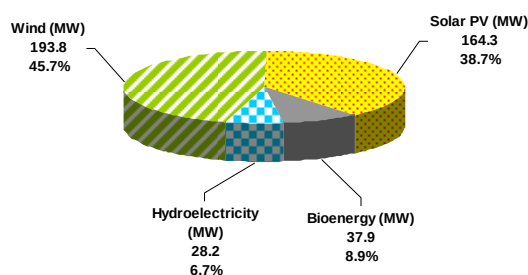


Chart 10 - Total RESOP Capacity in Commercial Operation
424 MW



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	26	193.8	14	131.5
Bioenergy	16	37.9	7	32.2
Solar PV	24	164.3	37	327.6
Total	82	424.2	58	491.3

Other Procurement Processes

At the end of the fourth quarter 2010, the OPA had 3,677 MW of renewable energy supply capacity under contract that was procured through negotiations or other procurement processes. Under these contracts, 2,898 MW are in commercial operation and 779 MW are under development.

Chart 11 - Under Development
779 MW

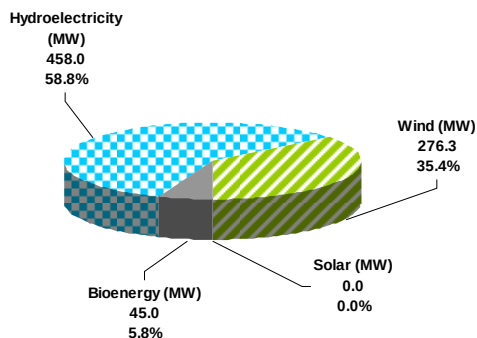
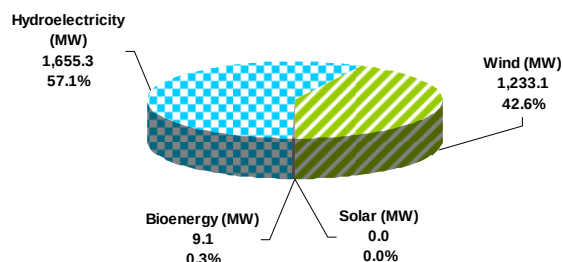


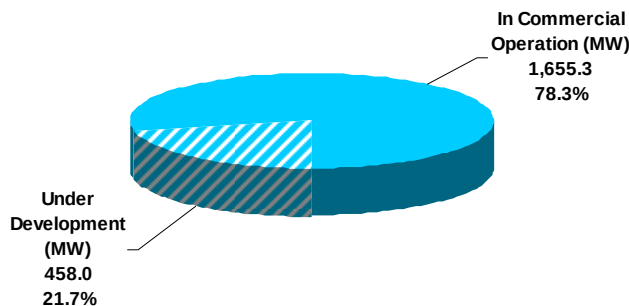
Chart 12 - In Commercial Operation
2,898 MW



Hydroelectricity Contracts

The OPA has 2,113 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 fourth quarter 2010, 1,655 MW were in commercial operation and 458 MW were at various stages of development.

Chart 13 - Total Hydroelectric Capacity
2,113 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 1 – Construction of the temporary access bridge was completed. Placement of concrete blocks and backfilling of the left bridge abutment retaining wall continues.

Kipling Generating Station (78.0 MW)



Figure 2 – Spillway access was completed. Drill and blast operations and hauling to the marine pad is ongoing.

Little Long Generating Station (67.0 MW)



Figure 3 – The cellular cofferdam is near completion with work continuing on the east side shore tie-in.

Smoky Falls Generating Station (268.0 MW)



Figure 4 – Excavation continues on exposed bedrock within the powerhouse/tailrace and intake channel footprints. The upstream cofferdam rock fill work was completed and installation of the cofferdam cut-off wall has commenced.

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

- The project is at the final stage of the environmental review process; a request for the Minister of the Environment to review the Director's decision denying an individual assessment process was submitted. Minister's decision is pending.

Upper Mattagami Hydroelectric Stations and Hound Chute (44.0 MW) – UMH Energy Partnership

- All four generating stations achieved commercial operation in the fourth quarter 2010

Hound Chute Generating Station (9.5 MW) –

Timiskaming: Montreal River



Figure 5 – A view from the tailrace of the new powerhouse.

Lower Sturgeon Generating Station (14.0 MW) –

Timmins: Mattagami River



Figure 6 – A view of the new powerhouse and the refurbished dam structure.

Sandy Falls Generating Station (5.5 MW) –

Timmins: Mattagami River



Figure 7 – A view of the new powerhouse and the tailrace.

Wawaitin Generating Station (15.0 MW) –

Timmins: Mattagami River

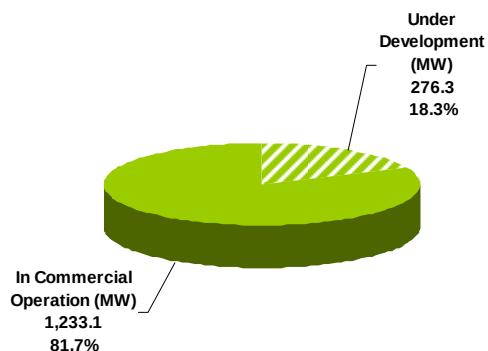


Figure 8 – Looking upstream from the tailrace of the new Wawaitin GS.

Wind Contracts

The OPA has 1,509 MW of wind capacity under contract that was procured through three renewable energy supply directives. A total of 1,233 MW have achieved commercial operation and 276 MW are at the final stage of construction and commissioning. The status of the contracts that are in the final stage of construction and commissioning is reported on the following pages.

Chart 14 - Total Wind Capacity
1,509 MW



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



Figure 9 – At the end of the quarter, 85 percent of all turbine foundation work was completed.



Figure 10 – Transmission lines related work has commenced. Substation transformers are in place and ready to be energized. Switching station is ready to be tested.

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



Figure 11 – Last tower erected in November. Received New Facility Notification Form confirming that Market Entry process was completed.



Figure 12 – All turbines were commissioned by November 19 and all commissioning tests completed with Hydro One and IESO.

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



Figure 13 – Collector system and access roads are complete.



Figure 14 – 51 of 52 turbines have been commissioned.

Talbot Wind Farm (98.9 MW) – Enbridge Inc. – Municipality of Chatham-Kent



Figure 15 – Lifting of the last turbine rotor in progress. All of the turbines were commissioned.

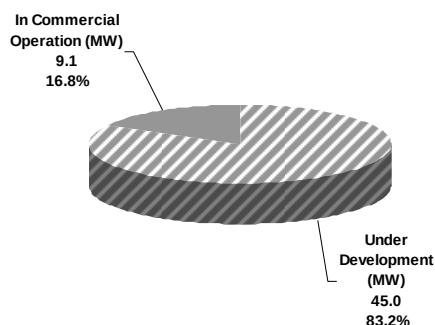


Figure 16 – Talbot wind farm achieved commercial operation on December 16.

Bioenergy Contracts

The OPA has 54 MW of bioenergy capacity generated by biomass and landfill waste under contract procured under ministerial directives. Within this capacity, a total of 45 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
54 MW*



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

- Construction activity on the project remains suspended while 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

- Commenced the Renewable Energy Approval process with the Ministry of the Environment

CLEAN ENERGY SUPPLY

As of the end of the fourth quarter 2010, 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

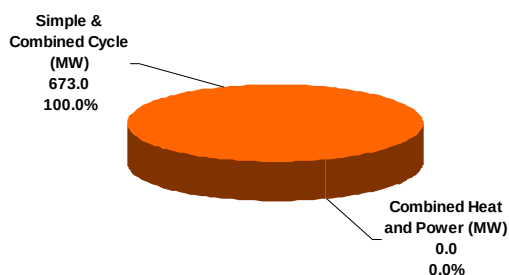
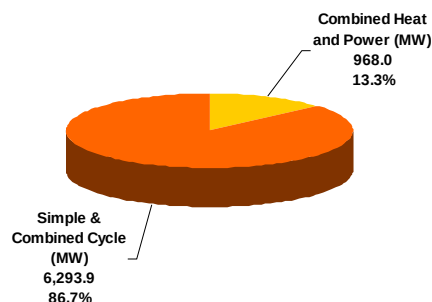


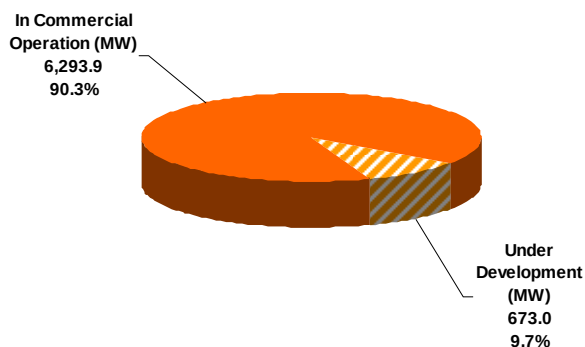
Chart 17 - In Commercial Operation
7,262 MW



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 near completion
- Project financing in progress

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



Figure 17 – Permits for equipment foundations, entrance roadway, construction trailers/equipment laydown and temporary bridge at site entrance have been issued. Major foundations for power block equipment including turbines and generators have been poured.

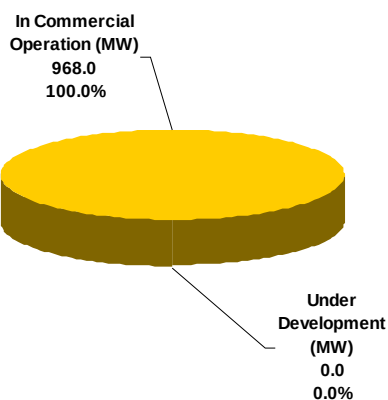


Figure 18 – Enbridge pipe installation of 300 meters of gas pipeline on site to the valve station has been completed. Significant construction progress was made on the entrance roadway, stormwater pond, underground utilities and construction trailer/equipment laydown area. Major equipment fabrication for turbines, generators and transformers was completed, and deliveries are underway well ahead of schedule.

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 currently 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 19 – A worker prepares to enter an equipment airlock that provides access to the reactor vault's interior. Restorations were recently declared complete on all airlocks and transfer chambers in unit 2.

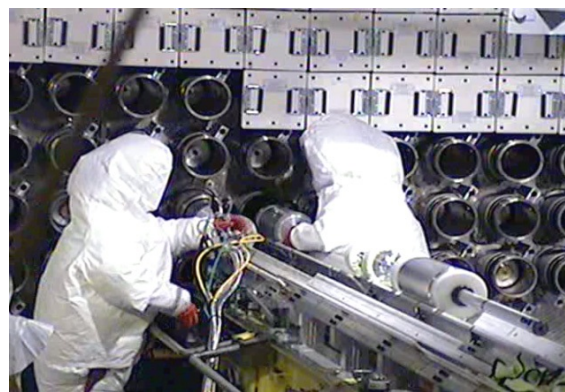


Figure 20 – Members of the retube team set up equipment to conduct the final seal test on new calandria tubes in the unit 1 reactor.

STATUS OF MINISTERIAL DIRECTIVES

The OPA was established by *The Electricity Restructuring Act, 2004*. One of its mandates is to engage in activities in support of 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	798
2,000 MW RES III	RFP	2,000	426
Renewable Energy Standard Offer Program (RESOP)	Standard Offer		916
OPG Hydroelectric Energy Supply (HESA)	Negotiation	530	1,013*
Existing Hydroelectric Facilities (HCI)	Negotiation/ Standard Offer		1,049
Feed-In Tariff (with 19.7 MW microFIT)	Standard Offer		2,610
CHP (Renewable) [†]	RFP		45
Total		3,930	7,202
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***
Lennox GS	Negotiation	2,140	2,140
Total		9,255	7,945
NUCLEAR ENERGY			
Bruce A Restart & Refurbishment	Negotiation	3,000	3,000
Total		16,185	18,147



* Including 486 MW of existing capacity

** Including 10 MW Demand Response contract

*** To Be Confirmed

† 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

APPENDICES

I: Contracted Facilities in Commercial Operation

Energy Source		Contract Facility	Average Contract Capacity (MW)	Commercial Operation / Term Commencement Date	Sub-Total	Total
Renewable Energy	Hydroelectricity	Andrews Generating Station	47.0	1-Dec-09	1,683	3,352
		Aubrey Falls Generating Station	162.0	1-Dec-09		
		Barrie Small Hydro Limited	0.1	17-Jul-10		
		Bracebridge Falls Generating Station	0.6	1-May-10		
		Brewers Mills	0.9	1-May-10		
		Burk's Falls	1.1	1-May-10		
		Calm Lake Generating Station	9.0	1-Dec-09		
		Campellford-Seymour Electric Generation Inc. – Plant No. 1	2.0	1-Jan-10		
		Chaudiere No. 2. Generating Station	8.4	1-Apr-10		
		Chaudiere No. 4 Generating Station	9.3	1-Apr-10		
		Clergue Generating Station	52.0	1-Dec-09		
		Current River Hydro	0.5	1-Mar-10		
		Devil's Gap Generating Station	0.5	1-Jun-10		
		Dunford Generating Station	45.0	1-Dec-09		
		Fort Frances Generating Station	10.0	1-Dec-09		
		Gananoque	0.7	1-May-10		
		Gartshore Generating Station	23.0	1-Dec-09		
		Glen Miller Generating Station	8.0	19-Dec-05		
		Harmon Generating Station	141.0	1-Jun-65		
		Harris Generating Station	12.0	1-Dec-09		
		Healey Falls Generating Station	15.7	7-Apr-10		
		Heywood Generating Station	7.2	1-Jan-10		
		High Falls Generating Station #1	0.8	1-Oct-10		
		Hogg Generating Station	18.0	1-Dec-09		
		Hollingsworth Generating Station	23.0	1-Dec-09		
		Hound Chute Generating Station	9.5	7-Dec-10		
		Iroquois Falls Generating Station	29.0	1-Dec-09		
		Island Falls Generating Station	38.0	1-Dec-09		
		Jones Falls	2.4	1-May-10		
		Kagawong Generating Station	0.8	1-Jan-10		
		Kenora Generating Station	6.0	1-Dec-09		

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

Energy Source		Contract Facility	Average Contract Capacity (MW)	Commercial Operation / Term Commencement Date	Sub-Total	Total
		Wells Generating Station	239.0	1-Dec-09		
		West Nipissing Power Generation	6.5	1-Mar-10		
		Wilson's Falls	0.6	1-May-10		
		635294 Ontario Inc.	0.5	1-Feb-10		
		1149377 Ontario Limited	2.3	1-Jan-10		
		FIT (combined contract capacity)	0.0	/		
		RESOP (combined contract capacity)	28.2	Multiple		
	Wind	Enbridge Ontario Wind Farm	181.5	19-Feb-09	1,428	
		Erie Shores Wind Farm	99.0	24-May-06		
		Gosfield Wind Project	50.6	16-Sep-10		
		Kingsbridge I Wind Power Project	39.6	16-Mar-06		
		Kruger Energy Port Alma Wind Power Project	101.2	31-Oct-08		
		Melancthon I Wind Plant	67.5	4-Mar-06		
		Melancthon II Wind Plant	132.0	24-Nov-08		
		Prince I Wind Power Project	99.0	21-Sep-06		
		Prince II Wind Power Project	90.0	19-Nov-06		
		Ripley Wind Power Project	76.0	22-Dec-07		
		Talbot Wind Farm	98.9	16-Dec-10		
		Wolfe Island Wind Project	197.8	26-Jun-09		
		FIT (combined contract capacity)	0.8	/		
		RESOP (combined contract capacity)	193.8	Multiple		
	Bioenergy	Eastview Landfill Gas Energy Plant	2.5	18-Aug-05	55	
		Hamilton (Digester Gas) Cogeneration Project	1.6	10-Jul-06		
		Trail Road Landfill Generating Facility	5.0	31-Jan-07		
		FIT (combined contract capacity)	8.3	Multiple		
		RESOP (combined contract capacity)	37.9	Multiple		
	Solar PV	FIT (microFIT) (combined contract capacity)	21.2	Multiple	186	
		RESOP (combined contract capacity)	164.3	Multiple		
Clean Energy	Simple/ Combined Cycle	Brighton Beach Power Station	541.3	1-Jan-06	6,294	7,262
		Goreway Station	839.1	4-Jun-09		
		Greenfield Energy Centre	1,005.0	16-Oct-08		
		Halton Hills Generating Station	641.5	1-Sep-10		
		Lennox Generating Station	2,140.0	1977		

Energy Source		Contract Facility	Average Contract Capacity (MW)	Commercial Operation / Term Commencement Date	Sub-Total	Total
		Portlands Energy Centre	550.0	22-Apr-09		
		St. Clair Energy Centre	577.0	30-Mar-09		
	Combined Heat and Power	Algoma Energy Cogeneration Facility	63.0	13-Jun-09	968	
		Durham College District Energy Project	2.3	11-Mar-08		
		East Windsor Cogeneration	84.0	6-Nov-09		
		Great Northern Tri-Gen Facility	11.3	31-Oct-08		
		GTA A Cogeneration Plant	90.0	1-Feb-06		
		London Cogeneration Facility	12.0	31-Dec-08		
		Sarnia Regional Cogeneration Plant	444.0	1-Jan-06		
		Sudbury District Energy Cogeneration Plant	5.0	1-Jan-06		
		Sudbury District Energy, Hospital Cogeneration	6.7	1-Jan-06		
		Thorold Cogen	236.4	28-Mar-10		
		Trent Valley Cogeneration Plant	8.3	1-Jan-06		
		Warden Energy Centre	5.0	4-Jun-08		
Nuclear Energy	Nuclear	Bruce A Unit 3	750.0	31-Oct-05	1,500	1,500
		Bruce A Unit 4	750.0	31-Oct-05		
TOTAL						12,114

II: Contracted Facilities under Development

Energy Source		Contract Facility	Average Contract Capacity (MW)	Target Commercial Operation Date	Sub-Total	Total
Renewable Energy	Hydroelectricity	Harmon Generating Station	78.0	Q4 2015	646	3,850
		Island Falls Generating Station	20.0	TBD		
		Kipling Generating Station	78.0	Q4 2015		
		Little Long Generating Station	67.0	Q4 2015		
		Smoky Falls Generating Station	215.0 [†]	Q4 2015		
		FIT (combined contract capacity)	187.7	Multiple		
		RESOP (combined contract capacity)	0.0	Multiple		
	Wind	Greenwich Wind Farm	98.9	Q4 2011	1,936	
		Kruger Energy Chatham Wind Project	99.4	Q4 2011		
		Raleigh Wind Energy Centre	78.0	Q1 2011		
		FIT (combined contract capacity)	1,528.8	Multiple		
		RESOP (combined contract capacity)	131.5	Multiple		
	Bioenergy	Becker Cogeneration Plant	15.0	Q3 2011	125	
		St. Marys Renewable Energy Centre	30.0	Q2 2014		
		FIT (combined contract capacity)	47.9	Multiple		
		RESOP (combined contract capacity)	32.2	Multiple		
	Solar PV	FIT (combined contract capacity)	815.1	Multiple	1,143	
		RESOP (combined contract capacity)	327.6	Multiple		
Clean Energy	Simple/ Combined Cycle	Greenfield South Power Plant	280.0	Q3 2012	673	673
		York Energy Centre	393.0	Q3 2012		
Nuclear Energy	Nuclear	Bruce A Unit 1	750.0	Q3 2012	1,500	1,500
		Bruce A Unit 2	750.0	Q1 2012		
TOTAL						6,023

[†] The station is under redevelopment. Presently, the old powerhouse with a capacity of 53 MW is still in operation. When a new powerhouse is constructed, the station will have a capacity of 268 MW. The old powerhouse will then be decommissioned.



Ontario Power Authority
120 Adelaide Street West
Suite 1600
Toronto, Ontario M5H 1T1

Phone: (416) 967-7474
Fax: (416) 967-1947
Web: www.powerauthority.on.ca

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This document includes information on electricity contracts managed by the Ontario Power Authority. For a more comprehensive description of generating sources in Ontario, visit the website of the Independent Electricity System Operator, www.ieso.ca.