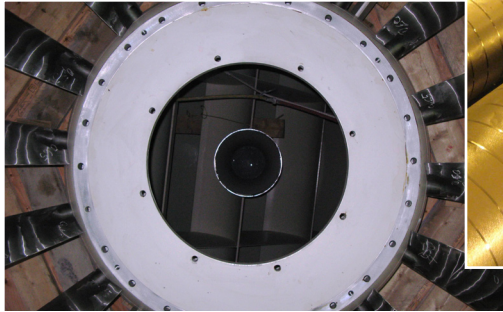
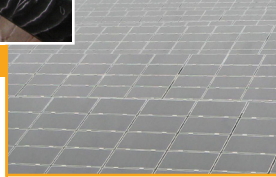


ONTARIO POWER AUTHORITY



A Progress Report On Electricity Supply

Third Quarter 2010

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Table of Contents

EXECUTIVE SUMMARY	1
NEW CONTRACTS EXECUTED	2
CONTRACTS ACHIEVED COMMERCIAL OPERATION	2
CONTRACTS TERMINATED	2
FEED-IN TARIFF PROGRAM UPDATE	2
COMMERCIAL OPERATION CHART	3
RENEWABLE ENERGY SUPPLY	4
RENEWABLE ENERGY PROGRAMS	5
<i>Feed-in Tariff</i>	5
<i>microFIT</i>	7
<i>Renewable Energy Standard Offer Program</i>	7
OTHER PROCUREMENT PROCESSES.....	8
<i>Wind Contracts</i>	9
<i>Waterpower Contracts</i>	12
<i>Bioenergy Contracts</i>	15
CLEAN ENERGY SUPPLY	15
SIMPLE/COMBINED CYCLE CONTRACTS	16
COMBINED HEAT AND POWER (CHP) CONTRACTS UNDER DEVELOPMENT	17
NUCLEAR ENERGY SUPPLY	18
BRUCE A RESTART AND REFURBISHMENT.....	18
STATUS OF MINISTERIAL DIRECTIVES.....	19
APPENDICES	20
I: CONTRACTED FACILITIES IN COMMERCIAL OPERATION.....	20
II: CONTRACTED FACILITIES UNDER-DEVELOPMENT TABLE.....	23

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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 third quarter 2010, the OPA had 15,927 megawatts (MW) of electricity supply capacity, based on average contract capacity¹, under contract. This includes 7,117 MW of renewable energy, 5,810 MW of clean energy, and 3,000 MW of nuclear energy.

Within this 15,927 MW of supply capacity, 2,539 MW were procured from existing generating facilities, which required no or minimal new capital investment. The remaining capacity, 13,388 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.

On October 7, the Ontario government announced that the construction of the 900-MW natural gas plant in Oakville is no longer needed due to changes in demand and supply in the Southwest Greater Toronto Area.

Chart 1 - Total Contract Capacity
15,927 MW

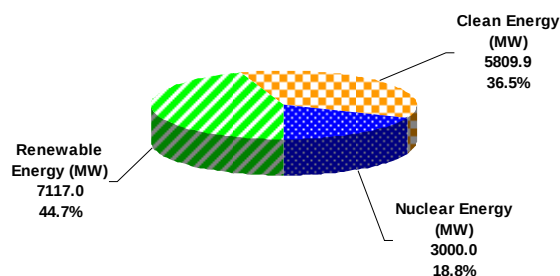


Chart 2 - Total Capacity in Commercial Operation
9,721 MW

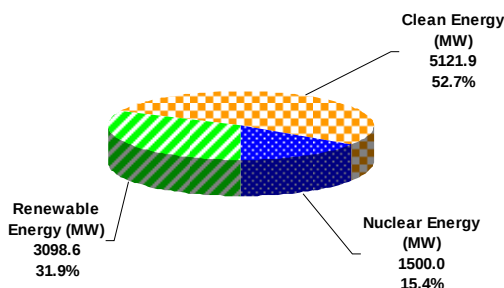


Chart 3 - Renewable Energy (Contract Capacity)
7,117 MW

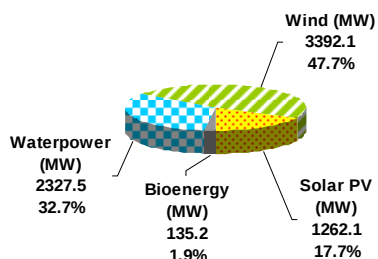


Chart 4 - Clean Energy (Contract Capacity)
5,810 MW

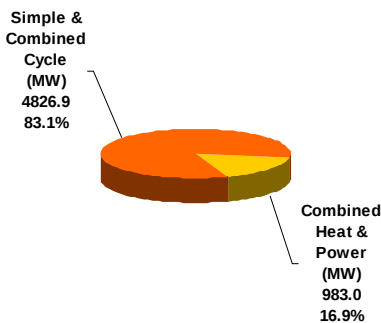


Chart 5 - Nuclear Energy (Contract Capacity)
3,000 MW

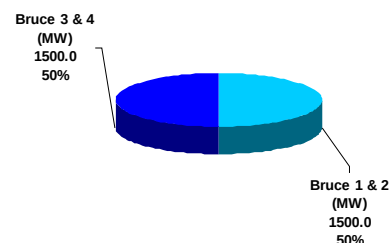


Chart 3 - Renewable Energy (Contract Capacity) 7,117 MW		Chart 4 - Clean Energy (Contract Capacity) 5,810 MW		Chart 5 - Nuclear Energy (Contract Capacity) 3,000 MW	
Commercial Operation	Under Development	Commercial Operation	Under Development	Commercial Operation (3 & 4)	Under Refurbishment (1 & 2)
3,099 MW	4,018 MW	5,122 MW	688 MW	1,500 MW	1,500 MW

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

¹ 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 May 7, 2009, the OPA successfully negotiated and executed an additional three Hydroelectric Contract Initiative (HCI) contracts in the third quarter of 2010, each for a 20-year period, for existing waterpower generation facilities, with a combined capacity of 1.3 MW. This brought the total number of HCI contracts to 33 (for 55 facilities) with a total combined capacity of approximately 1,048 MW.

Contracts Achieved Commercial Operation

Within this quarter, the 50.6-MW Gosfield wind project developed by Gosfield Wind Limited Partnership completed all stipulated requirements under the Renewable Energy Supply III (RES) directive and achieved commercial operation on September 16.

In addition, the 641.5-MW Halton Hills GS developed by TransCanada Energy Ltd. completed all contract and market rules requirements and testing for placing the facility in service on September 1.

On October 4, Ontario Minister of Energy Brad Duguid officially opened the world's largest solar farm in Sarnia. The 80-MW Sarnia solar project was developed under the Renewable Energy Standard Offer Program (RESOP). This project, comprised of eight separate contracts, represents approximately \$400 million of investment and will generate enough electricity each year to power more than 12,000 homes – or about 40 percent of homes in the City of Sarnia.

Contracts Terminated

During the third quarter of 2010, the RESOP contract capacity was reduced by approximately 20 MW. This was the result of contract amendments (1.6 MW) and contract terminations because of failure to meet contract requirements (18 MW).

Feed-In Tariff Program Update

During the third quarter 2010, there have been an additional 475 Feed-in Tariff (FIT) contracts executed with a combined capacity of 507 MW. This brought the total number of FIT contracts to 1,073 with a combined capacity of approximately 2,501 MW.

Since launching the microFIT program, the OPA has received nearly 20,800 microFIT applications by the end of the third quarter 2010, with a combined capacity of more than 190 MW.

Additional Details

For further information on OPA electricity supply contracts, visit:

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

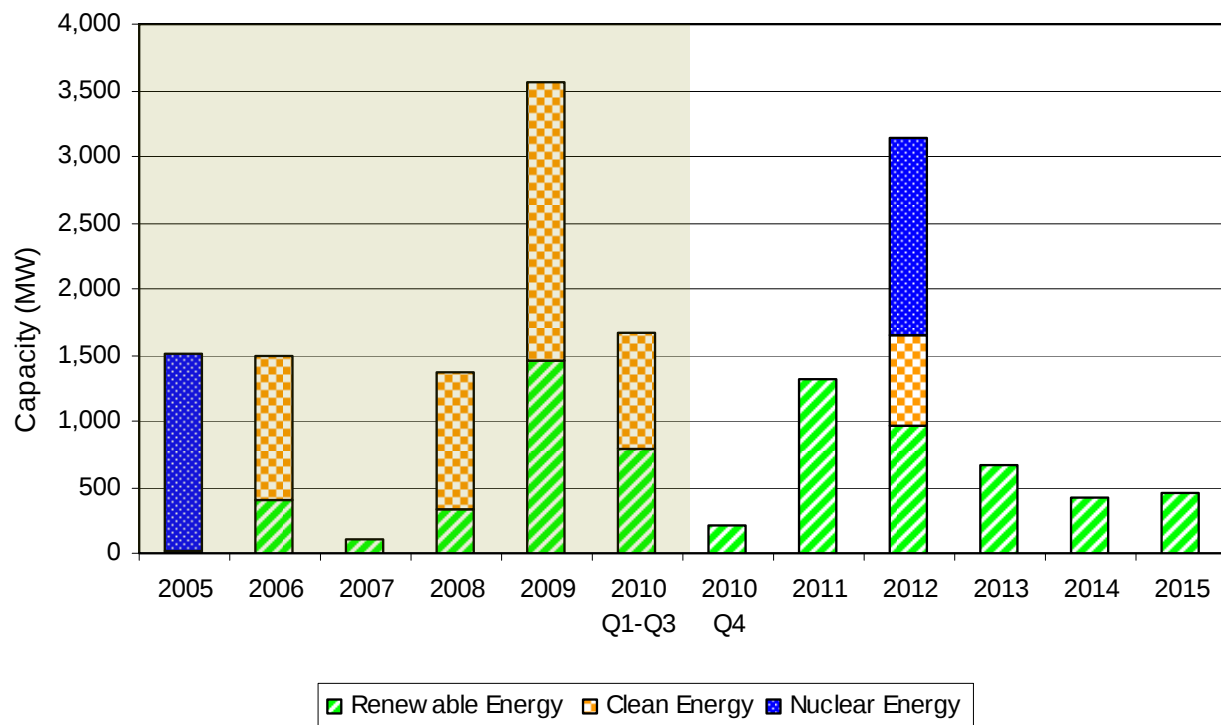
For further information on OPA Feed-In Tariff Program or microFIT Program, visit:

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

Commercial Operation Chart

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

- 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 Q1-Q3	2010 Q4	2011	2012	2013	2014	2015	TOTAL
Renewable Energy	11	396	113	341	1,448	790	206	1,309	973	658	423	449	7,117
Clean Energy	-	1,095	-	1,036	2,113	878	-	15	673	-	-	-	5,810
Nuclear Energy	1,500	-	-	-	-	-	-	-	1,500	-	-	-	3,000
TOTAL	1,511	1,491	113	1,377	3,561	1,668	206	1,324	3,146	658	423	449	15,927
Accumulative Totals	1,511	3,002	3,115	4,492	8,053	9,721	9,927	11,251	14,397	15,055	15,478	15,927	

RENEWABLE ENERGY SUPPLY

As of the end of the third quarter 2010, the OPA is managing 7,117 MW of renewable energy supply capacity. This capacity had been procured by a number of different methods, including competitive procurements, standard offers and the Feed-in Tariff Program.

Chart 6 - Under Development
4,018 MW

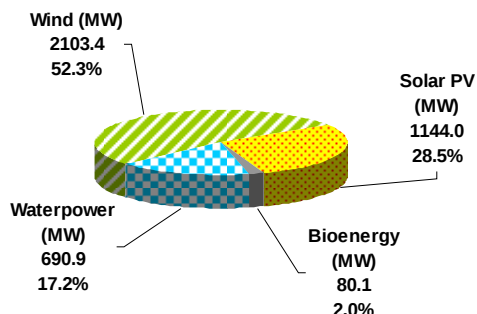
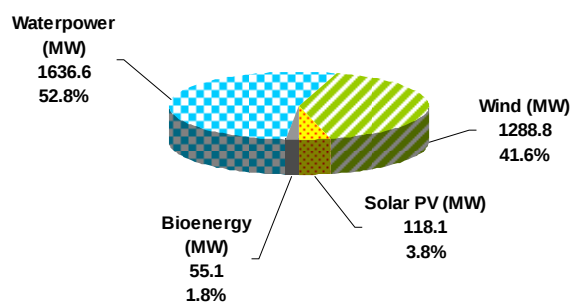


Chart 7 - In Commercial Operation
3,099 MW



As of the end of the third quarter 2010, the OPA has 2,522 renewable energy contracts with a combined capacity of 7,117 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	
Wind	FIT	52	0.8	1,528.6	0.8	1,528.6	1,529
	RESOP	43	153.8	199.5	153.8	199.5	353
	RES	15	1,134.2	375.2	1,134.2	375.2	1,509
	Sub-Total	110	1,289	2,103	1,289	2,103	3,392
Waterpower	FIT	47	0.0	187.7	0.0	187.7	188
	RESOP	16	27.0	1.2	27.0	1.2	28
	RES	3	31.0	20.0	31.0	20.0	51
	HCI	33	0.0	0.0	1,047.6	0.0	1,048
	HESA	4	16.2	482.0	531.0	482.0	1,013
	Sub-Total	103	74	691	1,637	691	2,328
Bioenergy	FIT	40	8.1	47.9	8.1	47.9	56
	RESOP	23	37.9	32.2	37.9	32.2	70
	RES	3	9.1	0.0	9.1	0.0	9
	Sub-Total	66	55	80	55	80	135
Solar	FIT	934	0.03	728.1	0.03	728.1	728
	microFIT	1,244	8.7	0.0	8.7	0.0	9
	RESOP	65	109.4	415.9	109.4	415.9	525
	Sub-Total	2,243	118	1,144	118	1,144	1,262
Sub-Total			1,536	4,018	3,099	4,018	
Total				5,554		7,117	7,117

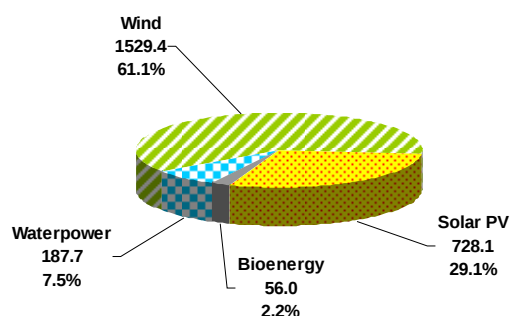
Renewable Energy Programs

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. As of the end of the third quarter 2010, the OPA executed 1,073 FIT contracts with a combined generating capacity of 2,501 MW. The OPA has received close to 3,400 FIT applications with a combined capacity of nearly 15,500 MW as of the end of the third quarter 2010. Applications continue to be accepted and processed.

Chart 8 - Feed-In Tariff Contracts Executed
2,501 MW



Feed-In Tariff Program Contracts

Energy Source	No. of Contracts	Capacity (MW)
Wind	52	1,529.4
Waterpower	47	187.7
Bioenergy	40	56.0
Solar PV	934	728.1
Total	1,073	2,501.2

Starting from this quarter, the OPA will report the status of large-capacity FIT contracts.

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

- Renewable Energy Approval (REA) process is in progress and Connection Impact Assessment (CIA) is near completion

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

- Draft REA reports have been submitted and wind resource assessment report was completed
- Grid System Impact Assessment (SIA) and CIA is in progress

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

- Wind resource assessment report has been completed and consultation with First Nations is in progress
- Grid CIA and SIA are in progress

Clean Breeze Wind Park (12.5 MW on-shore wind) – Clean Breeze Wind Park LP

- REA process had commenced and turbine purchase negotiations are ongoing

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

- Turbine supply agreement and credit agreement have been executed
- Construction permits and detailed civil and electrical design are in progress

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

- REA process and consultations with aboriginal communities are in progress

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

- REA process is in progress

Conestogo Wind Energy Centre 2 (19.5 MW on-shore wind) – Invenergy Wind Canada ULC

- Grid connection estimate has been provided by Hydro One

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

- Draft project description report has been prepared and submitted and agency and public consultation has commenced

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

- Completed final turbine layout and worked on finalizing finance options
- REA process is in progress

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

- Engineering and procurement activities are underway and process to obtain municipal permits is in progress
- CIA revision from Hydro One is underway

Grey Highlands Clean Energy (20.0 MW on-shore wind) – Grey Highlands Clean Energy LP

- REA process commenced and turbine purchase negotiations are ongoing

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

- Most of the major equipment had been secured and negotiations with lenders are underway
- Design is approximately 50 percent complete and permitting progress is more than 50 percent complete

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

- Draft REA documents have been posted for public review and negotiations for project financing and major equipment suppliers is underway

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

- CIA is in progress

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

- Project financing was completed and turbine supply agreement has been executed

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

- REA process and public consultations are in progress
- SIA, preliminary engineering work and related project infrastructure design are in progress

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

- Secured a wind turbine supply contract with major wind turbine manufacturer
- Access roads to wind turbine sites were prepared and project financing discussions are at advanced stages

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

- REA process is in progress and CIA and SIA process is ongoing

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

- REA process is advancing and engineering design has been initiated and is progressing

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

- Public consultation period for permitting commenced in September
- SIA and CIA are underway

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

- Public consultation period for permitting has commenced and preparation of draft project description report is in progress

Wolfe Island Shoals Wind Farm (300.0 MW off-shore wind) – Windstream Wolfe Island Shoals Inc.

- Engineering design and REA process commenced
- A draft SIA report was received by the IESO and CIA was initiated by Hydro One.

ZEP Wind Farm Ganaraska (20.0 MW on-shore wind) – ZEP Wind Farm Ganaraska LP

- REA process had commenced and turbine purchase negotiations are ongoing

microFIT

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

As of the end of the third quarter 2010, the OPA had received 20,774 microFIT applications with a capacity of approximately 190 MW and 12,988 conditional offers had been made with a capacity close to 118 MW. A total of 1,244 microFIT contracts had been executed with a capacity of 8.7 MW. Nearly 100 percent of this capacity is for solar projects.

Renewable Energy Standard Offer Program

As of the end of the third quarter 2010, the OPA had 147 contracts for contract facilities greater than 10 kW in size, representing 977 MW of RESOP capacity. Of these, 328 MW, or 34 percent, have achieved commercial operation.

During the third quarter 2010, two contracts with a combined capacity of 18 MW had been terminated and 1.6 MW were amended.

Accounting for these adjustments, the overall RESOP capacity was reduced to 977 MW from 997 MW, as reported in the second quarter of 2010.

Chart 9 - Total RESOP Capacity
977 MW

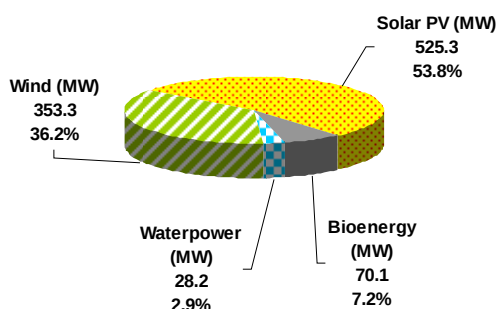
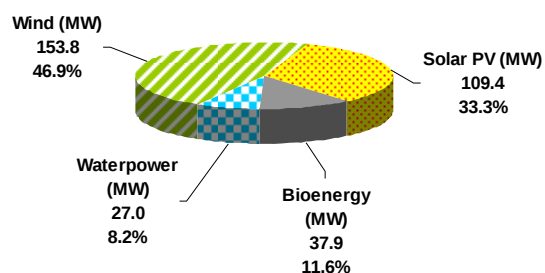


Chart 10 - Total RESOP Capacity in Commercial Operation
328 MW



Renewable Energy Standard Offer Program (RESOP)				
Energy Source	No. of Contracts In Commercial Operation	Capacity (MW)	No. of Contracts under Development	Capacity (MW)
Wind	22	153.8	21	199.5
Waterpower	15	27.0	1	1.2
Bioenergy	16	37.9	7	32.2
Solar PV	18	109.4	47	415.9
Total	71	328.1	76	648.8

Other Procurement Processes

As of the end of the third quarter 2010, the OPA has 3,630 MW of renewable energy supply capacity under contract that was procured through negotiations or through other procurement processes. Under these contracts, 2,753 MW have achieved commercial operation and 877 MW are under development.

Chart 11 - Under Development
877 MW

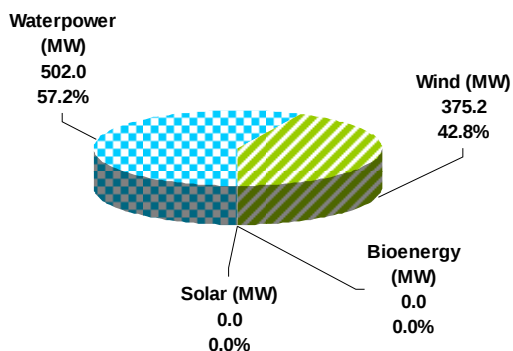
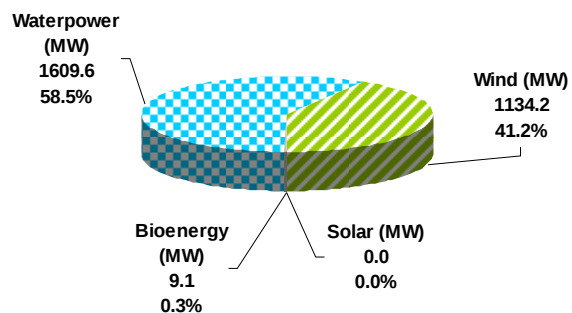


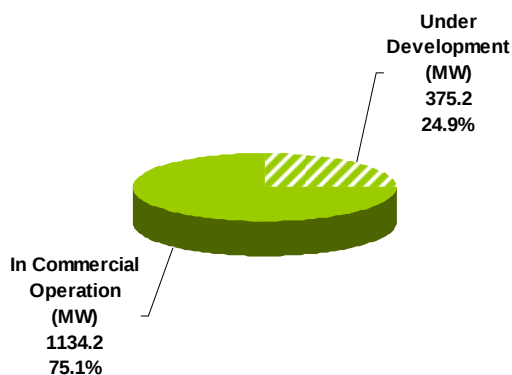
Chart 12 - In Commercial Operation
2,753 MW



Wind Contracts

The OPA has 1,509 MW of wind capacity under contract procured, under three renewable energy supply directives. A total of 1,134 MW have achieved commercial operation and 375 MW are still under various stages of development. The status of the contracts under development is reported on the following pages.

Chart 13 - Total Wind Capacity
1,509 MW



Gosfield wind project (50.6 MW) – Gosfield Wind LP – Essex County



Figure 1 – During the third quarter 2010, remaining work on site involved: restoration of private property and public roadways; construction of the permanent operation and maintenance (O&M) building to house service and maintenance crews; and final documentation, cleanup, and contractor demobilization.



Figure 2 – The 22-turbine Gosfield wind project achieved commercial operation on September 16.

Greenwich Wind Farm (98.9 MW) – Renewable Energy Systems Canada Inc. – District of Thunder Bay



Figure 3 – Turbine foundation work in progress. As of the end of the third quarter 2010, IESO market entry was progressing. Access road and turbine foundation work continues.



Figure 4 – Drilling for transmission line poles. Transmission line-related work commenced and installation of collector circuit poles was progressing.

Kruger Energy Chatham wind project (99.4 MW) – Kruger Energy – Municipality of Chatham-Kent



Figure 5 – Lineman connecting a collector line. IESO meter registration process was complete and an authorization to interconnect was received from IESO on September 2.



Figure 6 – A rotor being installed. Three turbines are generating power as of September 30.

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



Figure 7 – Workers installing collector system. As of the end of the third quarter, the underground collection system was 10 percent complete and the electrical overhead collection system was 100 percent complete.



Figure 8 – During the third quarter, all tower erections were completed.

Talbot Wind Farm (98.9 MW) – Renewable Energy Systems Canada Inc. – Municipality of Chatham-Kent



Figure 9 – As of the end of the third quarter, access roads were 100 percent complete. Foundation work for turbine towers continued and turbine erection commenced.

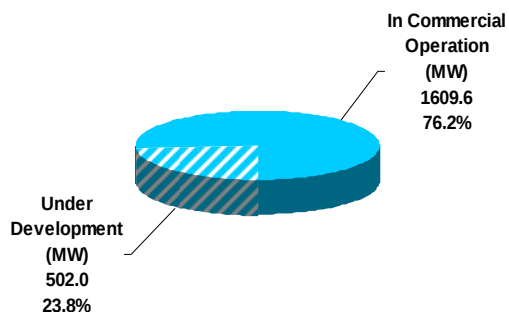


Figure 10 – Switch yard and Hydro One interconnection point. During the third quarter, Hydro One interconnection work was advancing. Market entry process and facility registration with IESO was also in progress.

Waterpower Contracts

The OPA has 2,112 MW of waterpower capacity contracted through direct negotiations with owners or operators, or through other procurement processes. This capacity was procured under HCI directive, Hydroelectric Energy Supply Agreement (HESA) directive and two separate renewable energy supply directives. As of the end of the third quarter 2010, 1,610 MW are in commercial operation, including 486 MW of existing capacity from the Lower Mattagami generating stations and 1.3 MW procured this quarter from existing waterpower facilities, under the HCI. Currently, 502 MW are under various stages of development.

Chart 14 - Total Waterpower Capacity
2,112 MW



Lower Mattagami hydroelectric station expansion project (924 MW with 438 MW under development) – LMEL and LML Partnership – Kapuskasing: Mattagami River

Harmon Generating Station (78.0 MW)



Figure 11 – A temporary bridge built across the Harmon spillway. Road access commenced at Harmon GS.

Kipling Generating Station (78.0 MW)



Figure 12 – A view of Kipling GS. The station is in the planning stage.

Little Long Generating Station (67.0 MW)



Figure 13 – Cell one (of two) for the Little Long GS cofferdam was installed.

Smoky Falls Generating Station (268.0 MW)



Figure 14 – The bridge and access to Smoky Falls island was completed. Excavation for the new Smoky Falls powerhouse commenced.

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

- Final Harmonized (provincial and federal) Environmental Assessment (EA) report was completed
- Notice of Completion was published in accordance with the Environmental Screening Process
- Director's decision was received – individual EA was not required. Request submitted for Minister's Review of Director's decision. Minister's decision is anticipated in Q4 2010
- Provincial and federal technical EA comments addressed
- Leave to Construct was granted by the Ontario Energy Board (OEB)

Upper Mattagami hydroelectric stations and Hound Chute project (44.0 MW) – UMH Energy Partnership

Hound Chute Generating Station (9.5 MW) –
Timiskaming: Montreal River



Figure 15 – Work around the Hound Chute powerhouse. The project is 93 percent complete with all mechanical and electrical installations inside the powerhouse completed. Commissioning activities are in progress. Backfeed with Hydro One grid was completed.

Lower Sturgeon Generating Station (14.0 MW) –
Timmins: Mattagami River



Figure 16 – Construction around the Lower Sturgeon GS powerhouse. Dam rehabilitation and all headgates were installed and commissioned. All rock was blasted and excavated from the upstream rock plug, while cofferdam removal is in progress. The project is 95 percent complete. Commissioning activities continue. Backfeed with Hydro One grid was completed.

Sandy Falls Generating Station (5.5 MW) –
Timmins: Mattagami River



Figure 17 – Intake and an upstream view from the powerhouse. The project is 92.5 percent complete including dam rehabilitation work. First synchronization achieved on August 30. Site restoration was completed. Commissioning activities in progress.

Wawaitin Generating Station (15.0 MW) –
Timmins: Mattagami River

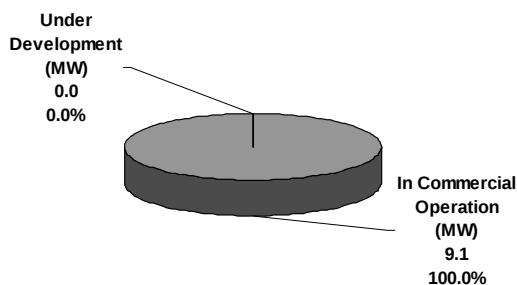


Figure 18 – Dam rehabilitation work continues. As of the end of the third quarter, the project is 97 percent complete. All water-to-wire electrical and mechanical construction activities were completed. Water-to-wire dry testing was completed. Wet commissioning activities continue. Downstream cofferdam was removed and tailrace was watered up. Watering up of both penstocks was completed.

Bioenergy Contracts

The OPA has 9 MW of bioenergy capacity generated by bio and landfill waste under contract procured under a renewable energy supply directive. All the capacity has achieved commercial operation.

Chart 15 - Total Bioenergy Capacity
9 MW



CLEAN ENERGY SUPPLY

As of the end of the third quarter 2010, the OPA is managing 5,810 MW of clean energy supply capacity, generated mainly by natural gas-fired facilities (two combined heat and power contracts, with a total capacity of 78 MW, are fuelled by either by-product gas or biomass). This capacity includes 4,827 MW from simple/combined-cycle facilities and 983 MW from combined heat and power facilities.

Chart 16 - Under Development
688 MW

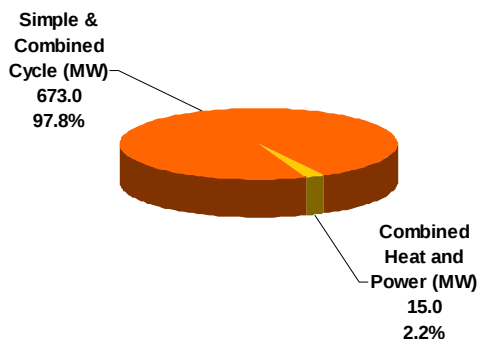
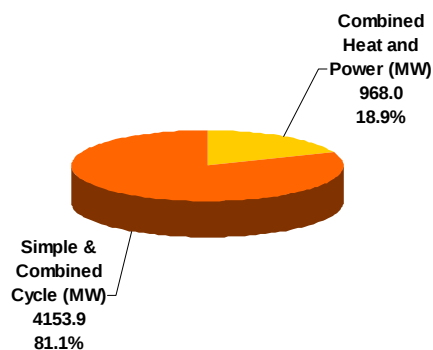


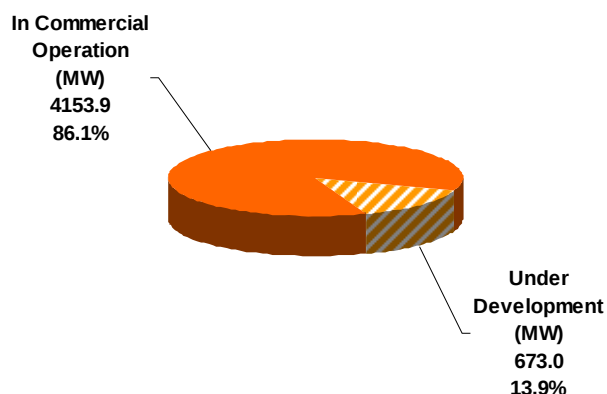
Chart 17 - In Commercial Operation
5,122 MW



Simple/Combined Cycle Contracts

The OPA has 4,827 MW of clean energy supply capacity generated by simple/combined-cycle facilities under contract, with 3,512 MW already in commercial operation and 1,315 MW under various stages of development.

Chart 18 - Total Simple/Combined-Cycle Capacity
4,827 MW



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

- Detailed engineering and procurement for plant equipment continued
- Independent engineering review substantially completed
- Connection Cost Recovery Agreement near completion

Halton Hills Generating Station (641.5 MW) – TransCanada Corp. – Halton Hills



Figure 19 – The project is 100 percent complete and has been commissioned with a Commercial Operation Date (COD) of September 1. All site landscaping has been completed. Final clean-up of the site has been completed.

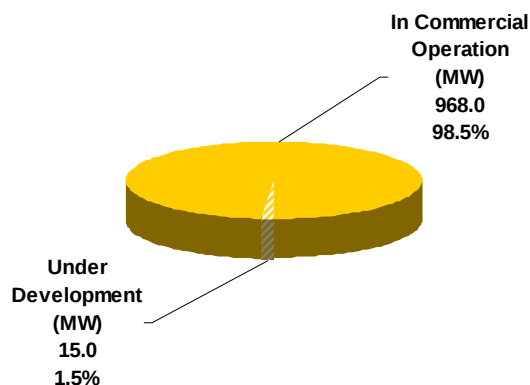
York Energy Centre (393.0 MW) – York Energy Centre LP – Township of King

- The province has approved a regulation that streamlines land-use planning approvals by exempting the facility from the Planning Act
- Force Majeure event resulting from permitting delays was terminated on July 29
- The project closed debt financing on August 25 and subsequently issued Full Notice to Proceed to the project's Engineering, Procurement and Construction (EPC) contractor and major equipment supplier
- Notice of Project Construction was issued on August 26
- Connection Cost Recovery Agreement was executed with Hydro One on September 17

Combined Heat and Power (CHP) Contracts under Development

The OPA has 983 MW of combined heat and power capacity under contract, with 968 MW in commercial operation and 15 MW under development.

Chart 19 - Total CHP Capacity
983 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

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 date for unit 2 is Q1 2012 and for unit 1 is Q3 2012.

The other 1,500 MW come from units 3 and 4, which are currently in operation. These two units will be refurbished and planning work is ongoing.

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

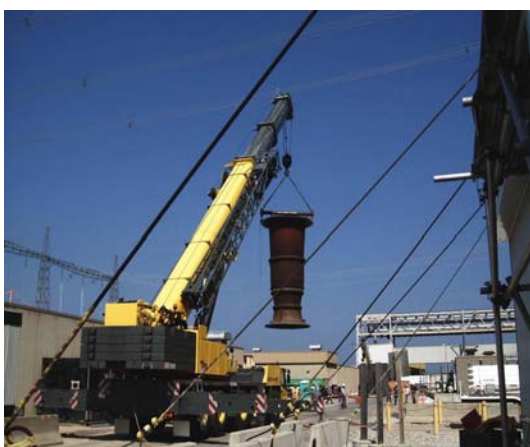


Figure 20 – Three Condenser Cooling Water (CCW) pumps were lifted out of unit 2 pump house in early July to ship to Cambridge, Ontario for refurbishment.



Figure 21 – The refurbished CCW pumps returning to the station on July 29. Each pump is rated at 1.1 MW or 1,450 horsepower, circulating about 776,000 litres of water per minute.



Figure 22 – The program to restore the Primary Heat Transport (PHT) system in unit 2 advanced significantly on July 19 when a rebuilt PHT pump motor returned to the plant. The PHT motor had gone out to Electra Technology Inc. in Hamilton for rebuild, including a rotor rewind, and then to a Westinghouse facility in Pittsburgh for final testing.



Figure 23 – Workers giving the turbine generator in unit 2 a new paint job while commissioning progresses.

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		977
OPG Waterpower Energy Supply (HESA)	Negotiation	530	1,013*
Existing Waterpower Facilities (HCI)	Negotiation/ Standard Offer		1,048
Feed-In Tariff (with 9 MW microFIT)	Standard Offer		2,510
Total		3,830	7,117
CLEAN ENERGY			
2,500 MW Clean Energy Supply (CES)	RFP	2,500	1,962**
Combined Heat & Power (CHP I)	RFP	1,000	414
CHP (Renewable)	RFP	100	15
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***
Total		7,215	5,820
NUCLEAR ENERGY			
Bruce A Restart & Refurbishment	Negotiation	3,000	3,000
Total		14,045	15,937



* Including 486 MW of existing capacity
 ** Including 10 MW Demand Response Contract
 *** To Be Confirmed

APPENDICES

I: Contracted Facilities in Commercial Operation

Energy Source		Contract Facility	Average Contract Capacity (MW)	Commercial Operation Date	Sub-Total	Total
Renewable Energy	Wind	Enbridge Ontario Wind Farm	181.5	19-Feb-09	1,289	3,099
		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		
		Wolfe Island Wind Project	197.8	26-Jun-09		
		FIT	0.8	/		
		RESOP	153.8	Multiple		
		Waterpower	Andrews Generating Station	47.0		
	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		

Energy Source		Contract Facility	Average Contract Capacity (MW)	Commercial Operation Date	Sub-Total	Total
		Healey Falls Generating Station	15.7	7-Apr-10		
		Heywood Generating Station	7.2	1-Jan-10		
		Hogg Generating Station	18.0	1-Dec-09		
		Hollingsworth Generating Station	23.0	1-Dec-09		
		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		
		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		
		MacKay Generating Station	62.0	1-Dec-09		
		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		
		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		
		Steepphill 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		
		Twin Falls Generating Station	22.0	1-Dec-09		
		Umbata Falls Generating Station	23.0	12-Nov-08		

Energy Source		Contract Facility	Average Contract Capacity (MW)	Commercial Operation Date	Sub-Total	Total
		Washburn	0.2	1-May-10		
		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	0.0	/		
		RESOP	27.0	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	8.1	Multiple		
		RESOP	37.9	Multiple		
	Solar PV	FIT (microFIT)	8.8	Multiple	118	
		RESOP	109.4	Multiple		
Clean Energy	Simple/ Combined Cycle	Brighton Beach Power Station	541.3	1-Jan-06	4,154	5,122
		Goreway Station	839.1	4-Jun-09		
		Greenfield Energy Centre	1005.0	16-Oct-08		
		Halton Hills Generating Station	641.5	1-Sep-10		
		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		
		GTAA 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						9,721

II: Contracted Facilities Under-Development Table

Energy Source		Contract Facility	Average Contract Capacity (MW)	Target Commercial Operation Date	Sub-Total	Total
Renewable Energy	Wind	Greenwich Wind Farm	98.9	Q4 2011	2,103	4,018
		Kruger Energy Chatham Wind Project	99.4	Q4 2011		
		Raleigh Wind Energy Centre	78.0	Q1 2011		
		Talbot Wind Farm	98.9	Q4 2011		
		FIT	1,528.6	Multiple		
		RESOP	199.5	Multiple		
	Waterpower	Harmon Generating Station	78.0	Q4 2015	691	
		Hound Chute Generating Station	9.5	Q4 2010		
		Island Falls Generating Station	20.0	TBD		
		Kipling Generating Station	78.0	Q4 2015		
		Little Long Generating Station	67.0	Q4 2015		
		Lower Sturgeon Generating Station	14.0	Q4 2010		
		Sandy Falls Generating Station	5.5	Q4 2010		
		Smoky Falls Generating Station	215.0	Q4 2015		
		Wawaitin Generating Station	15.0	Q4 2010		
		FIT	187.7	Multiple		
		RESOP	1.2	Multiple		
	Bioenergy	FIT	47.9	Multiple	80	
		RESOP	32.2	Multiple		
	Solar PV	FIT	728.1	Multiple	1,144	
		RESOP	415.9	Multiple		
Clean Energy	Simple/ Combined Cycle	Greenfield South Power Plant	280.0	Q3 2012	673	688
		York Energy Centre	393.0	Q3 2012		
	CHP	Becker Cogeneration Plant	15.0	Q3 2011	15	
Nuclear Energy	Nuclear	Bruce A Unit 1	750.0	Q3 2012	1,500	1,500
		Bruce A Unit 2	750.0	Q1 2012		
TOTAL						6,206



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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.