

A Progress Report on Electricity Supply

Fourth Quarter 2011



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FOREWORD

The Ontario Power Authority (OPA) ensures a reliable, cost-effective and sustainable supply of electricity for Ontario. Its key areas of focus are: planning, designing and coordinating conservation programs across the province, planning the power system for the long term, and contracting for the development of needed generation resources.

The OPA publishes *A Progress Report on Electricity Supply* quarterly to provide updates on the electricity supply contracts and programs managed by the OPA.

As outlined in the government's 20-year Long-Term Energy Plan, a long-term approach to energy planning is the most efficient way to ensure Ontario is able to meet demand with a clean energy supply and to ensure Ontarians have the power they need, when they need it.

A diversified electricity supply mix is one of Ontario's economic strengths. The OPA currently has about 21,050 megawatts (MW) of electricity supply under contract, including 7,659 MW of gas-fired generation, 3,000 MW of nuclear energy and 10,380 MW of renewable energy. As with many renewable energy programs, not all of this capacity will come into commercial operation.

As capacity becomes available, it will be allocated by the OPA with the goal of ensuring sustainable, ongoing uptake in the renewable energy industry. Priority transmission projects are already underway to enable significant capacity.

Based on the current status of both generation and transmission projects, significant opportunities remain to develop renewable energy projects in Ontario. There are also manufacturing and construction opportunities to support the many renewable energy projects currently under development across the province.

EXECUTIVE SUMMARY

As of the end of the fourth quarter of 2011, the OPA had 21,039 MW of electricity supply capacity, based on average contract capacity¹, under contract. This included 10,380 MW of renewable energy, 7,659 MW of clean energy, and 3,000 MW of nuclear energy.

Within this 21,039 MW of supply capacity, 4,717 MW were procured from existing generating facilities, which required minimal or no new capital investment. The remaining capacity of 16,322 MW was procured from new development, expansion, redevelopment or refurbishment of existing facilities.

This represents more than \$35.1 billion of new capital investment in generation in the Ontario electricity system since 2005.

Chart 1: Total Contract Capacity
21,039 MW

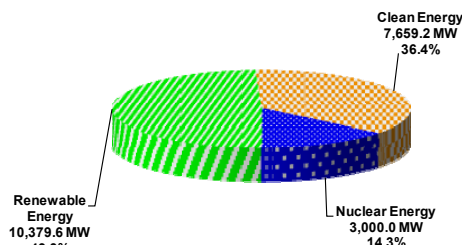


Chart 2: Total Capacity in Commercial Operation
12,886 MW

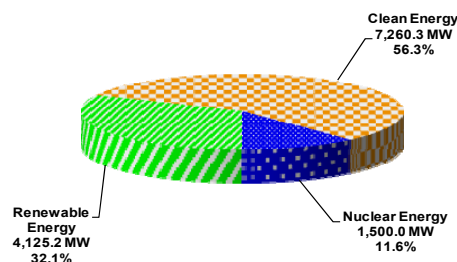


Chart 3: Renewable Energy
(Contract Capacity)
10,380 MW

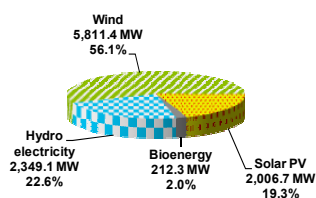


Chart 4: Clean Energy
(Contract Capacity)
7,659 MW

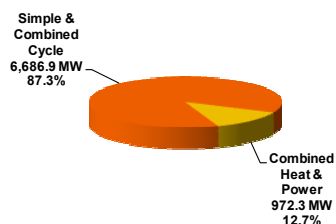


Chart 5: Nuclear Energy
(Contract Capacity)
3,000 MW

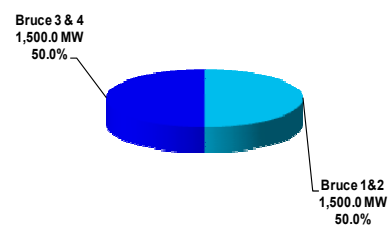


Chart 3: Renewable Energy (Contract Capacity) 10,380 MW		Chart 4: Clean Energy (Contract Capacity) 7,659 MW		Chart 5: Nuclear Energy (Contract Capacity) 3,000 MW	
Commercial Operation	Under Development	Commercial Operation	Under Development	Commercial Operation (3 & 4)	Under Refurbishment (1 & 2)
4,125 MW	6,255 MW	7,260 MW	399 MW	1,500 MW	1,500 MW

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

¹ Average contract capacity is the average of the seasonal contract capacity.

New Contracts Executed

No non-program contracts were executed during the fourth quarter of 2011.

Contracts Achieved Commercial Operation

During this quarter, Greenwich Wind Farm achieved commercial operation on October 14, 2011. The project was developed by Enbridge Inc. on over 10,000 acres of land in the District of Thunder Bay near the Township of Dorion with a total contract capacity of 98.9 MW.

Under the Feed-in Tariff (FIT) Program, three large-scale contracts located in the Town of Lakeshore near the County of Essex, achieved commercial operation this quarter:

Comber West Wind Project achieved commercial operation on November 8, 2011 and Comber East Wind Project achieved commercial operation on November 25, 2011. These two projects were developed by Comber Wind Limited Partnership with a total combined contract capacity of close to 166 MW.

Point Aux Roches Wind achieved commercial operation on December 7, 2011. The project was developed by Pointe-Aux-Roches Wind Inc with a contract capacity of close to 49 MW.

In addition to these three large-scale FIT Program capacity contracts, 6 MW of smaller-scale FIT Program contracts also achieved commercial operation. Furthermore, 46 MW and 18 MW of capacity from the Renewable Energy Standard Offer Program (RESOP) and the microFIT Program contracts, respectively, also achieved commercial operation within this quarter.

Contracts Terminated

No non-program contracts were terminated during the fourth quarter of 2011.

Feed-In Tariff Program Update

As of the end of the fourth quarter of 2011, there were 1,968 FIT Program contracts executed with a combined capacity of 4,620 MW. Of the total number of contracts executed, 1,792 were solar PV contracts for a combined capacity of 1,240 MW, 77 were wind contracts for a combined capacity of 3,133 MW, 50 were bioenergy contracts for a combined capacity of 59 MW and 49 were hydro contracts for a combined capacity of 188 MW. Of the total contracts executed, 159 contracts for a combined capacity of 246 MW had achieved commercial operation.

By fourth quarter end, the OPA had received more than 47,000 microFIT Program applications with a combined capacity of approximately 435 MW. A total of 9,898 microFIT solar PV contracts with a combined capacity of 86 MW had been executed and achieved commercial operation.

Additional Details

For further information on the OPA's electricity supply contracts, visit:
<http://www.powerauthority.on.ca/current-electricity-contracts>.

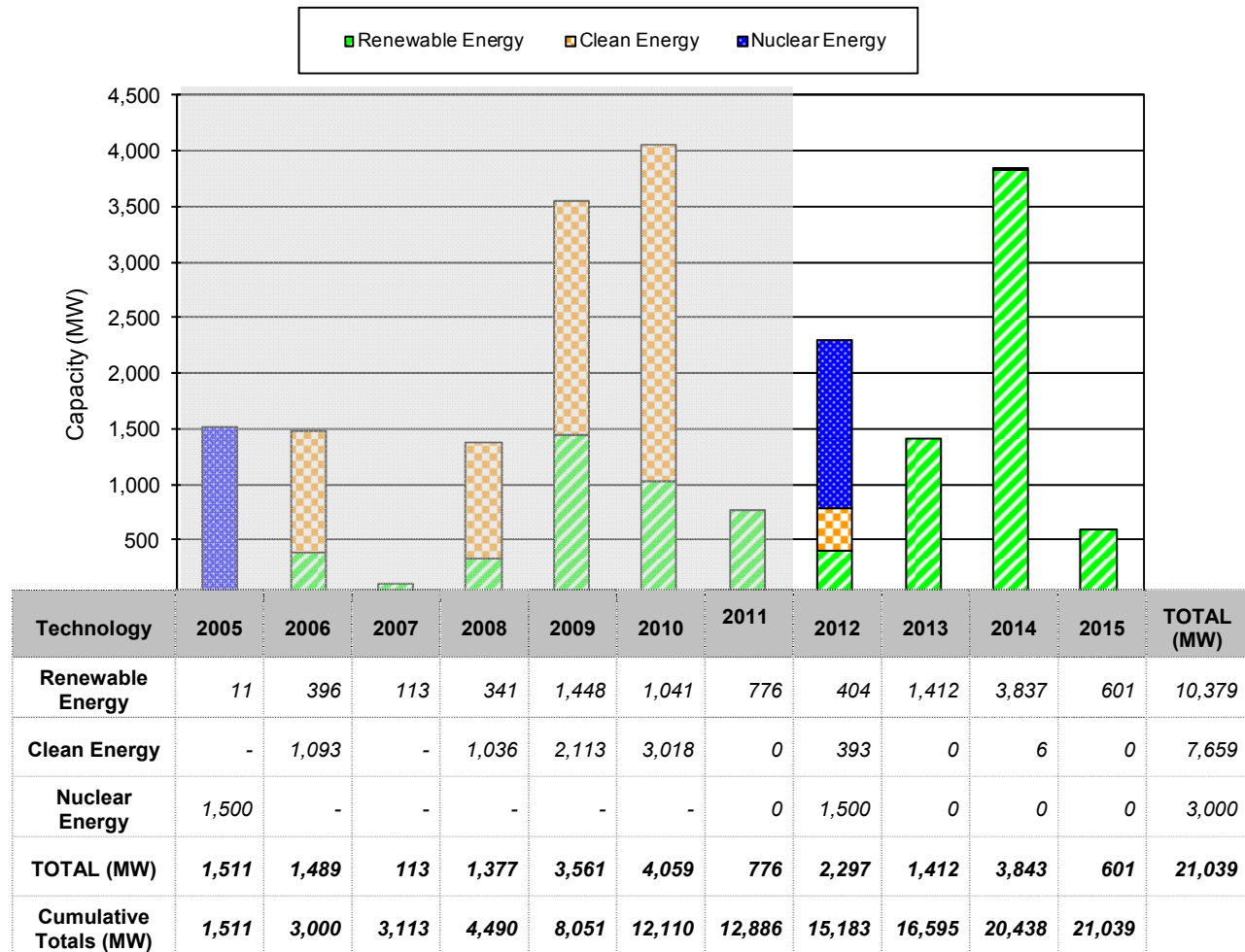
For further information on the OPA's FIT and microFIT Programs, visit:
<http://fit.powerauthority.on.ca>.

Commercial Operation Chart

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

The shaded area reflects capacity that was in commercial operation. The unshaded area reflects the current forecast.

Chart 6 and Table 1: Commercial Operation Actual and Forecasted MW



RENEWABLE ENERGY SUPPLY

As of the end of the fourth quarter of 2011, the OPA was managing 12,076 renewable energy contracts with a combined capacity of nearly 10,380 MW, of which 8,030 MW are from wind, solar PV and bioenergy and the remaining 2,349 MW are from hydroelectric energy. This capacity has been procured through a number of different methods, including competitive procurements, standard offers and the RESOP, FIT and microFIT Programs.

Chart 7: Under Development
6,255 MW

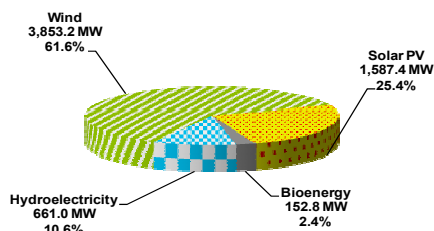


Chart 8: In Commercial Operation
4,125 MW

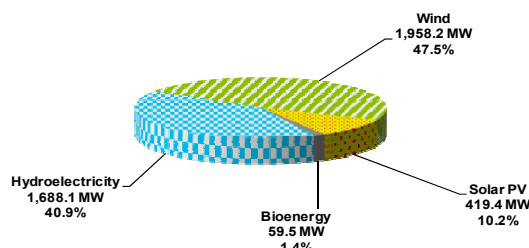


Table 2: Renewable Energy Supply – Contract and Capacity Summary

Energy Source	Contract Type	Number 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	49	0.0	188.1	0.0	188.1	188.1
	RESOP	16	28.2	0.0	28.2	0.0	28.2
	RES	3	31.0	20.0	31.0	20.0	51.0
	HCI	44	0.0	14.9	1,053.9	14.9	1,068.8
	HESA	4	62.9	438.0	575.0	438.0	1,013.0
	Subtotal	116	122.1	661.0	1,688.1	661.0	2,349.1
Wind	FIT	77	215.0	2,918.2	215.0	2,918.2	3,133.2
	RESOP	37	233.8	65.0	233.8	65.0	298.8
	RES	15	1,509.4	0.0	1,509.4	0.0	1,509.4
	KC	4	0.0	870.0	0.0	870.0	870.0
	Subtotal	133	1,958.2	3,853.2	1,958.2	3,853.2	5,811.4
Bioenergy	FIT	50	8.8	50.2	8.8	50.2	59.0
	RESOP	22	41.6	24.6	41.6	24.6	66.2
	CHP III	3	0.0	78.0	0.0	78.0	78.0
	RES	3	9.1	0.0	9.1	0.0	9.1
	Subtotal	78	59.5	152.8	59.5	152.8	212.3
Solar PV	FIT	1,792	22.6	1,217.4	22.6	1,217.4	1,239.9
	microFIT	9,898	85.7	0.0	85.7	0.0	85.7
	RESOP	57	311.2	170.0	311.2	170.0	481.2
	KC	2	0.0	200.0	0.0	200.0	200.0
	Subtotal	11,749	419.4	1,587.4	419.4	1,587.4	2,006.8
Subtotal			2,559	6,255	4,125	6,255	
Total		12,076	8,814		10,380		10,380

Renewable Energy Programs

FIT Program

At the end of the fourth quarter of 2011, the OPA had received 10,112 FIT Program applications with a combined capacity of 20,984 MW. The OPA had executed 1,968 FIT Program contracts with a combined capacity of 4,620 MW, of which more than 246 MW had achieved commercial operation.

Chart 9: Feed-In Tariff Contracts Executed
4,620 MW

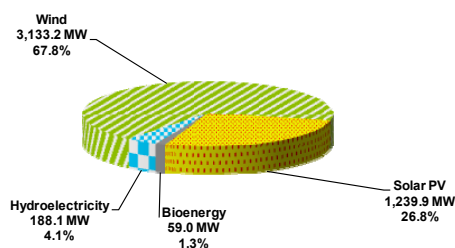


Table 3: FIT Program – Contract and Capacity Summary

Feed-In Tariff Program Contracts		
Energy Source	Number of Contracts	Capacity (MW)
Hydroelectricity	49	188
Wind	77	3,133
Bioenergy	50	59
Solar PV	1,792	1,240
Total	1,968	4,620

The development status of some FIT Program contracts was as follows.

Adelaide Wind Energy Centre (60.0 MW wind) – Kerwood Wind, Inc. – Kerwood, Township of Adelaide Metcalfe

- Renewable Energy Approval (REA) process underway
- Financial plan underway
- System Impact Assessment (SIA) and Customer Impact Assessment (CIA) processes underway

Amherst Island Wind Project (75.0 MW wind) – Windlectric Inc. – Stella, Amherst Island

- REA process underway
- Domestic content plan complete
- SIA and CIA processes underway

Bluewater Wind Energy Centre (60.0 MW wind) – Varna Wind, Inc. – Zurich, County of Huron

- REA process underway
- Financial plan underway
- SIA and CIA processes underway

Bornish Wind Energy Centre (73.5 MW wind) – Bornish Wind, LP – Keyser, County of North Middlesex

- REA process underway
- Financial plan underway
- SIA and CIA processes underway

East Lake St. Clair Wind (99.0 MW wind) – International Power Canada, inc. – Wallaceburg

- REA process complete
- Financial plan complete
- SIA and CIA processes underway

Erieau Wind (99.0 MW wind) – International Power Canada, Inc. – Chatham-Kent

- REA process underway
- Financial plan complete
- SIA and CIA processes underway

Goshen Wind Energy Centre (102.0 MW wind) – Goshen Wind, Inc. –Dashwood, County of Huron

- REA process underway
- Financial plan underway
- SIA and CIA processes underway

Jericho Wind Energy Centre (150.0 MW wind) – Jericho Wind, Inc. –Thedford, Lambton County

- REA process underway
- Financial plan underway
- SIA and CIA processes underway

McLean's Mountain Wind Farm (50.0 MW wind) – McLean's Mountain Wind L.P. – Little Current, Howland Township

- REA process underway
- Financial plan underway
- Domestic content plan complete

Niagara Region Wind Farm (230.0 MW wind) – Niagara Region Wind Corporation – Smithville, Township of West Lincoln

- REA process underway
- Financial plan underway
- Domestic content plan complete
- SIA and CIA processes underway
- Major equipment procurement process underway

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

- REA process underway
- Major equipment procurement process underway
- SIA and CIA processes complete

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

- REA process underway
- Financial plan underway
- SIA and CIA processes complete
- Domestic content plan waiver submitted

White Pines Wind Farm (60.0 MW wind) – wpd White Pines Wind Incorporated – Milford, Prince Edward County

- REA process underway
- SIA and CIA processes underway

Other than the large capacity projects listed above, by the end of the fourth quarter, more than 70 MW of solar PV, 50 MW of hydroelectricity and 40 MW of wind projects had achieved notice to proceed (NTP) status in the FIT contract process. The remaining contracts were in various stages of progression to achieve NTP status.

microFIT Program

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

At the end of the fourth quarter of 2011, the OPA had received more than 47,000 microFIT Program applications with a combined capacity of approximately 435 MW. A total of 9,898 microFIT solar PV contracts with a combined capacity of approximately 86 MW had been executed and achieved commercial operation.

Renewable Energy Standard Offer Program

As of the end of the fourth quarter of 2011, the OPA had 132 contracts for facilities greater than 10 kW in size, representing a combined capacity of 874 MW. Of this total, 104 contracts with a combined contract capacity of about 615 MW have achieved commercial operation.

Chart 10: Total RESOP Capacity
874 MW

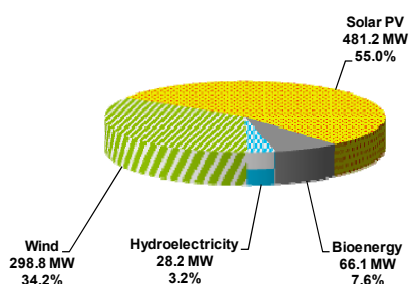


Chart 11: Total RESOP Capacity in Commercial Operation
615 MW

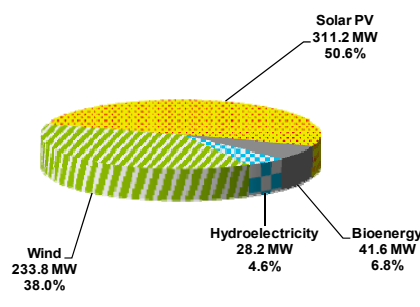


Table 4: RESOP – Contract and Capacity Summary

Renewable Energy Standard Offer Program Contracts				
Energy Source	Number of Contracts in Commercial Operation	Capacity (MW)	Number of Contracts under Development	Capacity (MW)
Wind	30	233.8	7	65.0
Hydroelectricity	16	28.2	0	0.0
Bioenergy	18	41.6	4	24.6
Solar PV	40	311.2	17	170.0
Total	104	614.8	28	259.6

Other Procurement Processes for Renewable Energy

In addition to the RESOP, FIT and microFIT Programs, at the end of the fourth quarter of 2011, the OPA had 4,799 MW of renewable energy supply capacity under contract. Under these contracts, 3,178 MW were in commercial operation and 1,621 MW were under development.

Chart 12: Under Development
1,621 MW

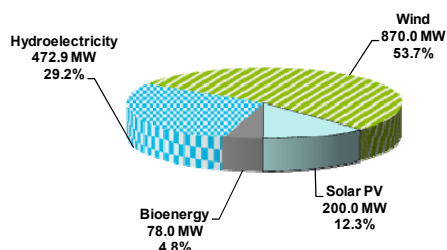
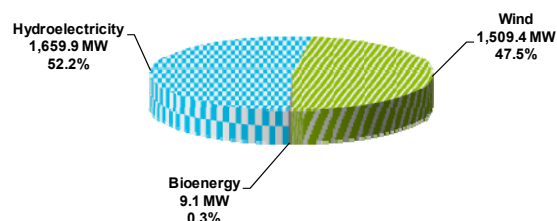


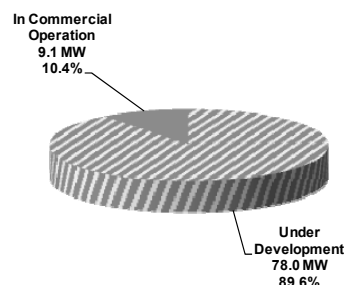
Chart 13: In Commercial Operation
3,178 MW



Bioenergy Contracts

By fourth quarter end, the OPA had 87 MW of non-program contracted capacity generated by biomass and landfill waste. This capacity adopts combined heat and power technology that uses renewable biomass as a fuel. Of this capacity, 9.1 MW were in commercial operation and the remaining 78 MW were under development.

Chart 14: Total Bioenergy Capacity
87 MW



The progress for the bioenergy contracts under development are set out below:

Becker Cogeneration Plant (8.0 MW) – Becker Cogeneration Plant – Hornepayne

- Connection agreement with Hydro One renegotiated
- Major equipment procurement for biomass boiler and steam turbine nearing completion

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

- St. Marys Paper Mill is in receivership, undergoing a sales process and the OPA is routinely monitoring the situation

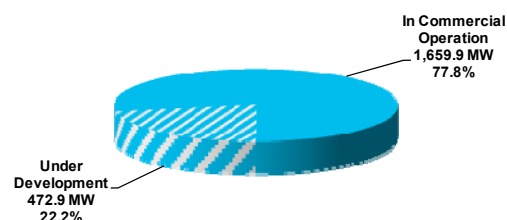
Thunder Bay Condensing Turbine Project (40.0 MW) – AbiBow Canada Inc. – Thunder Bay

- SIA and CIA processes nearing completion
- Excavation and concrete piling complete for Electrical Annex Building

Hydroelectricity Contracts

By fourth quarter end, in addition to the RESOP, FIT and microFIT Programs, the OPA had 2,133 MW of hydroelectric capacity contracted through direct negotiations with owners or operators or competitive procurements. This capacity was contracted under the Hydroelectric Contract Initiative (HCI), the Hydroelectric Energy Supply Agreement (HESA) and Renewable Energy Supply (RES) contracts. As of the end of the fourth quarter of 2011, 1,660 MW were in commercial operation and 473 MW were at various stages of development.

Chart 15: Total Hydroelectric Capacity
2,133 MW



The progress for the hydroelectric projects under development is set out below:

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

- Project received environmental approval from the Ministry of the Environment

Lower Mattagami Hydroelectric Station Expansion (924 MW of which 491 MW under development) – Ontario Power Generation and Moose Cree First Nation Partnership – Kapuskasing: Mattagami River, includes Harmon, Kipling, Little Long and Smoky Falls Generating Stations.

Harmon Generating Station (78.0 MW)



Figure 1: Drill and blast work progressed well in the powerhouse area. Concrete work started in mid-October and advanced quickly, the majority of the pours occurred at the intake. A winter shelter was erected for work during the winter months.

Kipling Generating Station (78.0 MW)

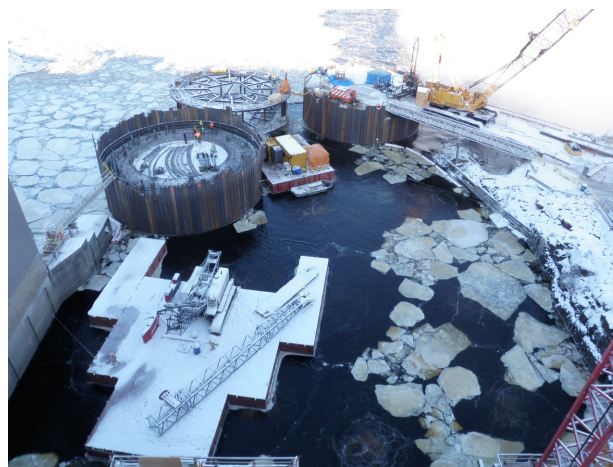


Figure 2: Cofferdam cell #3 was installed and backfilled with sand. Cleaning of the footprint for cofferdam cell #2 continued and preparations for installing cell #2 were underway.

Little Long Generating Station (67.0 MW)



Figure 3: Concrete work continues to progress well in the powerhouse and intake areas. Preparatory work for the turbine and generator embedded parts and equipment installation is advancing.

Smoky Falls Generating Station (268.0 MW)

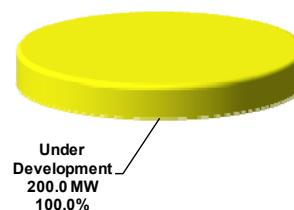


Figure 4: Concrete pours are progressing in the service bay, intake, and draft tube areas. Tailrace excavation continues, and a winter shelter was erected to allow concrete operations to continue during the winter months.

Solar PV

By fourth quarter end, in addition to the RESOP, FIT and microFIT Programs, the OPA had two solar PV contracts of 100 MW each under contract. These were in various stages of pre-construction development.

Chart 16: Total Solar PV Capacity
200 MW



The progress for the solar PV contracts is set out below.

Grand Renewable Energy Park (100.0 MW) – Grand Renewable Solar LP – Haldimand County

- REA process underway
- Financial plan underway
- Domestic content plan approved
- SIA and CIA draft report issued

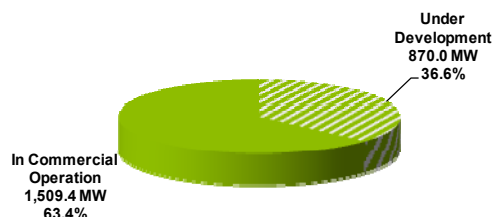
Kingston Solar Project (100.0 MW) – Kingston Solar LP - City of Kingston, in Loyalist Township

- REA process underway
- Domestic content plan approved
- SIA and CIA agreement signed

Wind Contracts

By fourth quarter end, in addition to the RESOP, FIT and microFIT Programs, the OPA had 2,379 MW of wind capacity under contract. This capacity was contracted through Renewable Energy Supply (RES) and Korean Consortium (KC) contracts. By fourth quarter end, 1,509 MW had achieved commercial operation. The remaining 870 MW of capacity were in various stages of pre-construction development.

Chart 17: Total Wind Capacity
2,379 MW



The progress for the wind contracts under development is set out below:

Armow Wind Project (180.0 MW) – SP Ontario Wind Development LP – Kincardine

- REA process underway
- Financing plan underway
- Domestic content plan complete
- SIA and CIA applications submitted

Grand Renewable Energy Park (150.0 MW) – Grand Renewable Wind LP – Haldimand County

- REA documents submitted
- Financing plan underway
- Domestic content plan complete
- SIA and CIA complete

K2 (270.0 MW) – K2 Wind Ontario Limited Partnership – Township of Ashfield-Colborne-Wawanosh

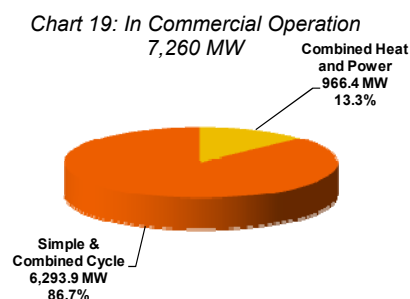
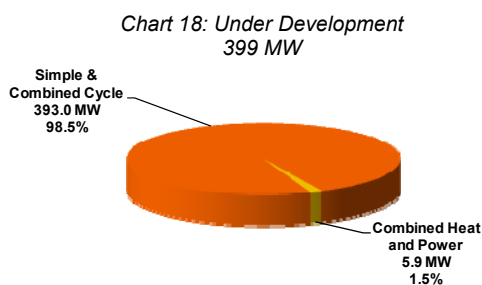
- REA process underway
- Financing plan underway
- Domestic content plan complete
- SIA and CIA applications submitted

South Kent Wind Project (270.0 MW) – South Kent Wind LP – Chatham-Kent

- REA documents submitted
- Financing plan underway
- Domestic content plan complete
- SIA and CIA complete

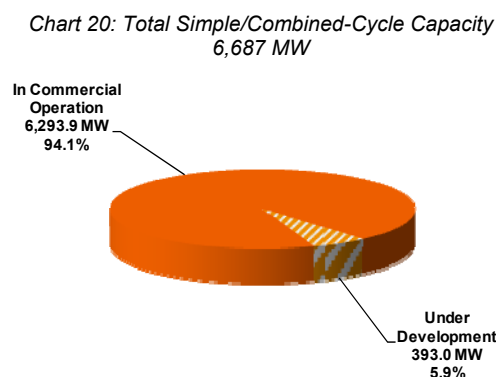
CLEAN ENERGY SUPPLY

As of the end of the fourth quarter of 2011, the OPA was managing 7,659 MW of clean energy supply capacity, generated mainly by natural gas-fired facilities. This capacity included 6,687 MW from simple/combined-cycle facilities and 972 MW from non-renewable combined heat and power (CHP) facilities.



Simple/Combined Cycle Contracts

The OPA had 6,687 MW of clean energy supply capacity generated by simple/combined-cycle facilities under contract, with 6,294 MW already in commercial operation.



The progress for the simple/combined cycle contracts under development is set out below:

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



Figure 5: Unit #1 and #2 power train mechanical installation is nearing completion. Water storage tank installation is now complete.

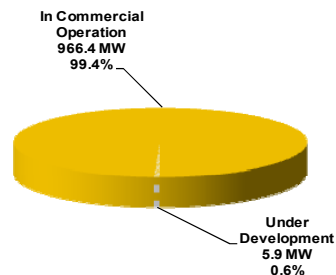


Figure 6: Fuel gas conditioning is complete. The fuel gas pipeline installation is also complete and ready to deliver gas as necessary.

Combined Heat and Power (CHP) Contracts

The OPA had 972 MW of non-renewable CHP capacity under contract. Of this total, 966 MW have achieved commercial operation and two projects with a combined contract capacity of six MW were in various stages of development.

Chart 21: Total CHP Capacity
972 MW



The progress for the CHP contracts under development is set out below:

Birchmount Energy Centre (2.6 MW) – Markham District Energy Centre Inc. – Markham

- All municipal approvals received
- CIA application submitted
- Major equipment activities initiated

Bur Oak Energy Centre (3.3 MW) – Markham District Energy Centre Inc. – Markham

- All municipal approvals received
- CIA application submitted
- Major equipment activities initiated

NUCLEAR ENERGY SUPPLY

Bruce A Restart and Refurbishment

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

The other 1,500 MW came from units 3 and 4, which were in operation at the time of contract execution. 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 8: Bulkhead panel removed from unit 2 reactor vault.

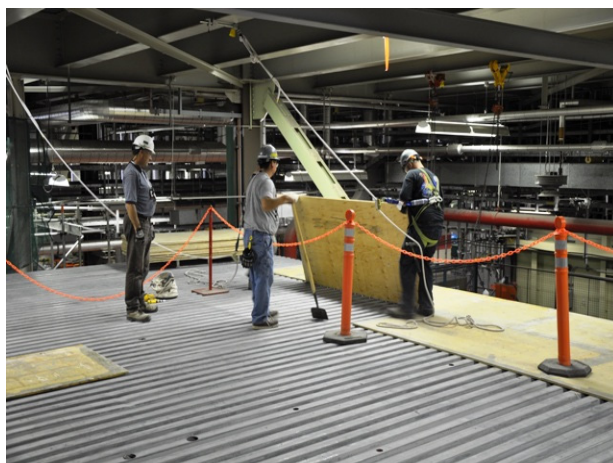


Figure 10: Dismantle of the re-tube control centre after completion of new fuel channels and calandria tubes installation in both units 1 and 2.

ELECTRICITY SUPPLY PROCUREMENT STATUS

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 following provides the status of the OPA's electricity supply procurements. Further information is available on these procurements at www.powerauthority.on.ca.

Table 5: Capacity Sought and Procured

Procurement Category	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	874‡	874
OPG Waterpower Energy Supply (HESA)	Negotiation	530	1,013*
Existing Waterpower Facilities (HCI)	Negotiation/ Standard Offer	1,069‡	1,069
FIT Program (with 67.6 MW microFIT)	Standard Offer	4,706‡	4,706
Korean Consortium (KC)	Negotiation	2,500	1,070
Combined Heat and Power (Renewable) **	RFP	100	78
Atikokan Biomass Energy Supply Agreement (ABESA)	Negotiation	TBC†	TBC†
Total		13,079	10,380
CLEAN ENERGY			
2,500 MW Clean Energy Supply	RFP	2,500	1,682***
Combined Heat and Power (CHP)	RFP	1,000	420
Early Movers Clean Energy Supply	Negotiation	1,315	1,004
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
Thunder Bay GS Conversion to Natural Gas	Negotiation	TBC†	TBC†
Total		9,255	7,669
NUCLEAR ENERGY			
Bruce A Restart & Refurbishment	Negotiation	3,000	3,000
Total		3,000	3,000
Procurement Total MW		25,334	21,049

Chart 22:– Capacity Development Stages



* 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.

**** The directive specified "to procure a simple (single)-cycle gas-fired electricity generation facility with a rated generation capacity of approximately 350 MW and not more than 400 MW."

† To be confirmed.

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

APPENDICES

I: Contracted Facilities in Commercial Operation

Energy Source		Contract Facility	Average Contract Capacity (MW)	Commercial Operation/ Term Commence-ment Date	Contract Expiry Date	COD Year	Sub-total	Total
Renewable Energy	Hydroelectricity	FIT (combined contract capacity)	0.0	/			1,688	4,125
		RESOP (combined contract capacity)	28.2	2007+	2027+			
		Andrews Generating Station	47.0	01-Dec-09	Q4 2029	2009		
		Appleton Eco Power Centre	1.4	01-Jan-11	Q4 2030	2011		
		Aubrey Falls Generating Station	162.0	01-Dec-09	Q4 2029	2009		
		Barrie Small Hydro Limited	0.1	17-Jul-10	Q3 2030	2010		
		Brewers Mills	0.9	1-May-10	Q2 2030	2010		
		Burk's Falls	1.1	1-May-10	Q2 2030	2010		
		Calm Lake Generating Station	9.0	01-Dec-09	Q4 2029	2009		
		Campellford-Seymour Electric Generation Inc. – Plant No. 1	2.0	01-Jan-10	Q4 2029	2010		
		Chaudiere No. 2. Generating Station	8.4	01-Apr-10	Q1 2030	2010		
		Chaudiere No. 4 Generating Station	9.3	01-Apr-10	Q1 2030	2010		
		Clergue Generating Station	52.0	01-Dec-09	Q4 2029	2009		
		Current River Hydro	0.5	01-Mar-10	Q1 2030	2010		
		Devil's Gap Generating Station	0.5	01-Jun-10	Q2 2030	2010		
		Dunford Generating Station	45.0	01-Dec-09	Q4 2029	2009		
		Enerdu Power Systems Ltd.	0.3	01-Mar-11	Q1 2031	2011		
		Fort Frances Generating Station	10.0	01-Dec-09	Q4 2029	2009		
		Gananoque	0.7	01-May-10	Q2 2030	2010		
		Galetta Eco Power Centre	1.6	01-Jan-11	Q4 2030	2011		
		Gartshore Generating Station	23.0	01-Dec-09	Q4 2029	2009		
		Glen Miller Generating Station	8.0	19-Dec-05	Q4 2025	2005		
		Harmon Generating Station	141.0	22-Jun-10	Q4 2065	1965		
		Harris Generating Station	12.0	01-Dec-09	Q4 2029	2009		
		Healey Falls Generating Station	15.7	07-Apr-10	Q2 2060	2010		
		Heywood Generating Station	7.2	01-Jan-10	Q4 2029	2010		
		High Falls Generating Station #1	0.8	01-Oct-10	Q3 2030	2010		
		Hogg Generating Station	18.0	01-Dec-09	Q4 2029	2009		
		Hollingsworth Generating Station	23.0	01-Dec-09	Q4 2029	2009		
		Hound Chute Generating Station	9.5	07-Dec-10	Q4 2060	2010		
		Hurdman Dam	0.6	01-Jun-11	Q2 2031	2011		
		Iroquois Falls Generating Station	29.0	01-Dec-09	Q4 2029	2009		
		Island Falls Generating Station	38.0	01-Dec-09	Q4 2029	2009		
		Jones Falls	2.4	01-May-10	Q2 2030	2010		
		Kagawong Generating Station	0.8	01-Jan-10	Q4 2029	2010		

Energy Source		Contract Facility	Average Contract Capacity (MW)	Commercial Operation/ Term Commence-ment Date	Contract Expiry Date	COD Year	Sub-total	Total
		Kenora Generating Station	6.0	01-Dec-09	Q4 2029	2009		
		Kingston Mills	1.9	01-May-10	Q2 2030	2010		
		Kipling Generating Station	155.0	22-Jun-10	Q4 2065	1966		
		Lac Seul/Ear Falls Generating Station	29.3	18-Feb-09	Q1 2059	2009		
		Little Long Generating Station	137.0	22-Jun-10	Q4 2065	1963		
		London Street Generating Station	4.1	01-Jan-10	Q4 2029	2010		
		Lower Sturgeon Generating Station	14.0	21-Nov-10	Q4 2060	2010		
		Mackay Generating Station	62.0	01-Dec-09	Q4 2029	2009		
		Maple Hill	0.6	01-Dec-10	Q4 2030	2010		
		Matthias Generating Station	3.0	01-Jan-10	Q4 2029	2010		
		McPhail Generating Station	13.0	01-Dec-09	Q4 2029	2009		
		Minden Generating Station	4.0	01-Jan-10	Q4 2029	2010		
		Mission Generating Station	16.0	01-Dec-09	Q4 2029	2009		
		Moose Rapids Generating Station	1.4	01-Jan-11	Q4 2030	2011		
		Norman Generating Station	10.0	01-Dec-09	Q4 2029	2009		
		Parry Sound PowerGen Corporation – Cascade Street Generating Station	1.2	01-Mar-10	Q1 2030	2010		
		Rayner Generating Station	46.0	01-Dec-09	Q4 2029	2009		
		Red Rock Falls Generating Station	41.0	01-Dec-09	Q4 2029	2009		
		Renfrew Power Generation Inc. – Lower Plant	1.0	01-Jan-10	Q4 2029	2010		
		Renfrew Power Generation Inc. – Upper Plant	1.0	01-Jan-10	Q4 2029	2010		
		Rideau Falls	2.0	01-May-10	Q2 2030	2010		
		Sandy Falls Generating Station	5.5	27-Oct-10	Q4 2060	2010		
		Scone Generator	0.1	01-Jan-10	Q4 2029	2010		
		Scott Falls Generating Station	22.0	01-Dec-09	Q4 2029	2009		
		Shand Dam Generating Station	0.7	01-Sep-10	Q3 2030	2010		
		Smoky Falls Generating Station	53.0	22-Jun-10	Q4 2065	1905		
		Steephill Generating Station	16.0	01-Dec-09	Q4 2029	2009		
		Stewart Generating Station	0.2	05-Jun-10	Q2 2030	2010		
		Sturgeon Falls Generating Station	7.0	01-Dec-09	Q4 2029	2009		
		Swift Rapids Generating Station	7.9	01-Jan-10	Q4 2029	2010		
		Tembec, Smooth Rock Falls Facilities	8.0	14-Mar-10	Q1 2030	2010		
		Tuisler Chute Generating Station	0.6	01-Jun-11	Q2 2031	2011		
		Tweed Generating Station	0.2	01-Nov-10	Q4 2030	2010		
		Twin Falls Generating Station	22.0	01-Dec-09	Q4 2029	2009		
		Umbata Falls Generating Station	23.0	12-Nov-08	Q4 2028	2008		
		Washburn	0.2	01-May-10	Q2 2030	2010		
		Wawaitin Generating Station	15.0	22-Nov-10	Q4 2060	2010		
		Wells Generating Station	239.0	01-Dec-09	Q4 2029	2009		

Energy Source		Contract Facility	Average Contract Capacity (MW)	Commercial Operation/ Term Commence-ment Date	Contract Expiry Date	COD Year	Sub-total	Total
		West Nipissing Power Generation	6.5	01-Mar-10	Q1 2030	2010		
		635294 Ontario Inc.	0.5	01-Feb-10	Q1 2030	2010		
		1149377 Ontario Limited	2.3	01-Jan-10	Q4 2029	2010		
	Wind	FIT (combined contract capacity)	215.0	2010+	2030+			
		RESOP (combined contract capacity)	233.8	2007+	2027+			
		Enbridge Ontario Wind Farm	181.5	19-Feb-09	Q1 2029	2009		
		Erie Shores Wind Farm	99.0	24-May-06	Q2 2026	2006		
		Greenwich Wind Farm	98.9	14-Oct-11	Q4 2031	2011		
		Gosfield Wind Project	50.6	16-Sep-10	Q4 2032	2010		
		Kingsbridge I Wind Power Project	39.6	16-Mar-06	Q1 2026	2006		
		Kruger Energy Chatham Wind Project	99.4	01-Jan-11	Q4 2031	2011		
		Kruger Energy Port Alma Wind Power Project	101.2	31-Oct-08	Q4 2028	2008		
		Melancthon I Wind Plant	67.5	04-Mar-06	Q1 2026	2006		
		Melancthon II Wind Plant	132.0	24-Nov-08	Q4 2028	2008		
		Prince I Wind Power Project	99.0	21-Sep-06	Q3 2026	2006		
		Prince II Wind Power Project	90.0	19-Nov-06	Q4 2026	2006		
		Raleigh Wind Energy Centre	78.0	29-Jan-11	Q1 2031	2011		
		Ripley Wind Power Project	76.0	22-Dec-07	Q4 2027	2007		
		Talbot Wind Farm	98.9	16-Dec-10	Q4 2031	2010		
		Wolfe Island Wind Project	197.8	26-Jun-09	Q2 2029	2009		
	Bioenergy	FIT (combined contract capacity)	8.8	2010+	2030+		60	
		RESOP (combined contract capacity)	41.6	2007+	2027+			
		Eastview Landfill Gas Energy Plant	2.5	18-Aug-05	Q3 2025	2005		
		Hamilton (Digester Gas) Cogeneration Project	1.6	10-Jul-06	Q3 2026	2006		
		Trail Road Landfill Generating Facility	5.0	31-Jan-07	Q1 2027	2007		
	Solar PV	FIT (microFIT) (combined contract capacity)	108.3	2010+	2030+		419	
		RESOP (combined contract capacity)	311.0	2007+	2027+			
Clean Energy	Simple/Combined Cycle	Brighton Beach Power Station	541.3	01-Jan-06	Q3 2024	2006	6,294	7,260
		Goreway Station	839.1	04-Jun-09	Q2 2029	2009		
		Greenfield Energy Centre	1,005.0	16-Oct-08	Q4 2028	2008		
		Halton Hills Generating Station	641.5	01-Sep-10	Q3 2030	2010		
		Lennox Generating Station	2,140.0	01-Oct-09	Q4 2011	1976		
		Portlands Energy Centre	550.0	22-Apr-09	Q2 2029	2009		
		St. Clair Energy Centre	577.0	30-Mar-09	Q1 2029	2009		
	Combined Heat and Power	Essar Cogeneration Facility	63.0	13-Jun-09	Q2 2029	2009	966	
		Durham College District Energy Project	2.3	11-Mar-08	Q1 2028	2008		
		East Windsor Cogeneration	84.0	06-Nov-09	Q4 2029	2009		

Energy Source		Contract Facility	Average Contract Capacity (MW)	Commercial Operation/ Term Commence-ment Date	Contract Expiry Date	COD Year	Sub-total	Total
		Great Northern Tri-Gen Facility	11.3	31-Oct-08	Q4 2028	2008		
		GTAA Cogeneration Plant	90.0	01-Feb-06	Q1 2026	2006		
		London Cogeneration Facility	12.0	31-Dec-08	Q4 2028	2008		
		Sarnia Regional Cogeneration Plant	444.0	01-Jan-06	Q4 2025	2006		
		Sudbury District Energy Cogeneration Plant	5.0	01-Jan-06	Q4 2024	2006		
		Sudbury District Energy, Hospital Cogeneration	6.7	01-Jan-06	Q4 2024	2006		
		Thorold Cogen	236.4	28-Mar-10	Q1 2030	2010		
		Trent Valley Cogeneration Plant	6.7	01-Jan-06	Q4 2015	2006		
		Warden Energy Centre	5.0	04-Jun-08	Q2 2028	2008		
Nuclear Energy	Nuclear	Bruce A Unit 3	750.0	31-Oct-05	TBD	2005	1,500	1,500
		Bruce A Unit 4	750.0	31-Oct-05	TBD	2005		
TOTAL								12,885

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	FIT (combined contract capacity)	188.1	2011+	2031+	661	6,255
		RESOP (combined contract capacity)	0.0	2011+	2031+		
		Bracebridge Falls Generating Station	2.6	Q1 2012	Q2 2030		
		Casselman Generating Station	0.5	Q4 2011	Q4 2031		
		Harmon Generating Station	78.0	Q4 2015	Q4 2065		
		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		
		Stanley Adamson Powerhouse	3.9	Q2 2013	Q2 2033		
		Twin Falls Generating Station	5.0	Q1 2012 – Q1 2014	Q4 2029		
		Wilson's Falls	2.9	Q1 2012	Q2 2030		
	Wind	FIT (combined contract capacity)	2,918.2	2011+	2031+	3,853	
		RESOP (combined contract capacity)	65.0	2011+	2031+		
		Armow Wind Project	180.0	Q4 2014	Q4 2034		
		Grand Renewable Energy Park	150.0	Q1 2014	Q1 2034		
		K2	270.0	Q4 2014	Q4 2034		
		South Kent Wind Project	270.0	Q1 2014	Q1 2034		
	Bioenergy	FIT (combined contract capacity)	50.2	2011+	2031+	153	
		RESOP (combined contract capacity)	24.6	2011+	2031+		
Becker Cogeneration Plant		8.0	TBD	TBD			
St. Marys Renewable Energy Centre		30.0	Q2 2014	Q2 2024			
Thunder Bay Condensing Turbine Project		40.0	Q1 2013	Q1 2023			
Solar PV	FIT (combined contract capacity)	1,217.4	2011+	2031+	1,587		
	RESOP (combined contract capacity)	170.0	2011+	2031+			
	Grand Renewable Energy Park	100.0	Q1 2014	Q1 2034			
	Kingston Solar Project	100.0	Q4 2014	Q4 2034			
Clean Energy	Simple/Combined Cycle	York Energy Centre	393.0	Q3 2012	Q3 2032	393	399
	Combined Heat and Power	Birchmount Energy Centre	2.6	Q3 2014	Q3 2034	6	
		Bur Oak Energy Centre	3.3	Q3 2014	Q3 2034		
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							8,153



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