

A Progress Report on Electricity Supply

Second Quarter 2011



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EXECUTIVE SUMMARY

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

As of the end of the second quarter 2011, the OPA had 19,090 megawatts (MW) of electricity supply capacity, based on average contract capacity*, under contract. This includes 8,155 MW of renewable energy, 7,935 MW of clean energy, and 3,000 MW of nuclear energy.

Within this 19,090 MW of supply capacity, 4,716 MW were procured from existing generating facilities, which required minimal or no new capital investment. The remaining capacity, 14,374 MW, was procured from new development, expansion, redevelopment or refurbishment of existing facilities.

This represents more than \$29.8 billion of new capital investment in generation in the Ontario electricity system since 2005.

Chart 1 - Total Contract Capacity
19,090 MW

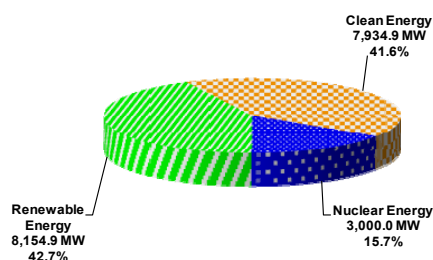


Chart 2 - Total Capacity in Commercial Operation
12,426 MW

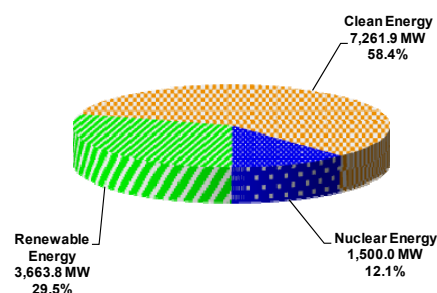


Chart 3 - Renewable Energy
(Contract Capacity)
8,155 MW

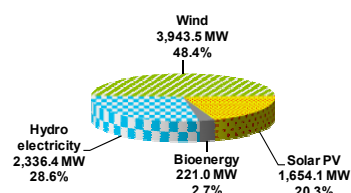


Chart 4 - Clean Energy
(Contract Capacity)
7,935 MW

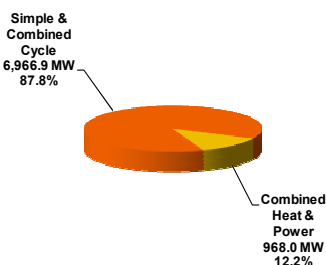


Chart 5 - Nuclear Energy
(Contract Capacity)
3,000 MW

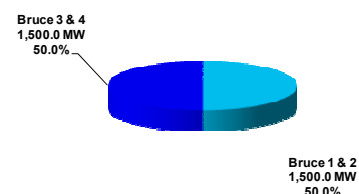


Chart 3 - Renewable Energy (Contract Capacity) 8,155 MW		Chart 4 - Clean Energy (Contract Capacity) 7,935 MW		Chart 5 - Nuclear Energy (Contract Capacity) 3,000 MW	
Commercial Operation	Under Development	Commercial Operation	Under Development	Commercial Operation (3 & 4)	Under Refurbishment (1 & 2)
3,664 MW	4,491 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 May 7, 2009, the OPA successfully executed three additional Hydroelectric Contract Initiative (HCI) contracts in the second quarter of 2011 for a 20-year period, for existing waterpower generation facilities, with a combined capacity of about 4 MW. This brought the total number of HCI contracts to 42 (for 64 facilities), with a total combined capacity of 1,056 MW.

The total number of HCI contracts now also includes two contracts with a combined capacity of 2 MW for which the corresponding facilities are under development. One will reach commercial operation in November 2011, the other in June 2013.

Contracts Achieved Commercial Operation

During this quarter, four Renewable Energy Standard Offer Program (RESOP) contracts with a combined capacity of 40 MW achieved commercial operation. This includes two wind contracts with a combined capacity of 20 MW and two solar photovoltaic contracts with a combined capacity of 20 MW.

Twenty-six Feed-in-Tariff contracts with a combined capacity of 5 MW reached commercial in the second quarter.

In the microFIT program, over 1,800 contracts reached commercial operation representing a combined capacity of about 18 MW.

Contracts Terminated

No contracts were terminated during the second quarter of 2011.

Feed-In Tariff Program Update

As of the end of the second quarter 2011, there were 1,312 FIT contracts executed with a combined capacity of 3,470 MW.

Among the FIT contracts that were executed in the second quarter, there were two large contracts:

- The 300-MW Nigig Power Corporation wind project, with a 51 percent Aboriginal participation level, developed by the Nigig Power Corporation in Pickering.
- The 230-MW Niagara Region Wind Farm, developed by the Niagara Region Wind Corporation in Smithville.

On May 26, 2011, the OPA began offering contracts to 839 Capacity Allocation Exempt (CAE) FIT projects, representing more than 140 MW of capacity. These contract offers are the third phase of mid-sized CAE renewable energy projects and are for applications submitted between June 5 and December 7, 2010. For more information please visit:

<http://fit.powerauthority.on.ca/third-round-mid-sized-renewable-energy-contracts-offered>

The OPA was preparing contract offers for 25 large-scale FIT contracts which include 19 wind and 6 solar contracts. These contract offers represent projects that are enabled by the new Bruce to Milton transmission line. The combined capacity of these contracts will be up to 1,050 MW of which 750 MW along the Bruce transmission area and 300 MW in the west of London transmission area. For more information, please visit:

<http://fit.powerauthority.on.ca/allocating-capacity-and-offering-fit-contracts-bruce-milton-enabled-projects>

<http://fit.powerauthority.on.ca/projects-enabled-bruce-milton-transmission-line-offered-contracts>

In the first quarter of 2011, the OPA offered to amend the contracts for all FIT counterparties who had not yet reached commercial operation, so that these suppliers may extend their milestone date for commercial operation by up to one year. As of the end of the second quarter, over 40 percent of the eligible suppliers have accepted this offer, therefore, there is a significant reduction in forecasted in-service capacity in 2011.

Additional Details

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

<http://www.powerauthority.on.ca/current-electricity-contracts>

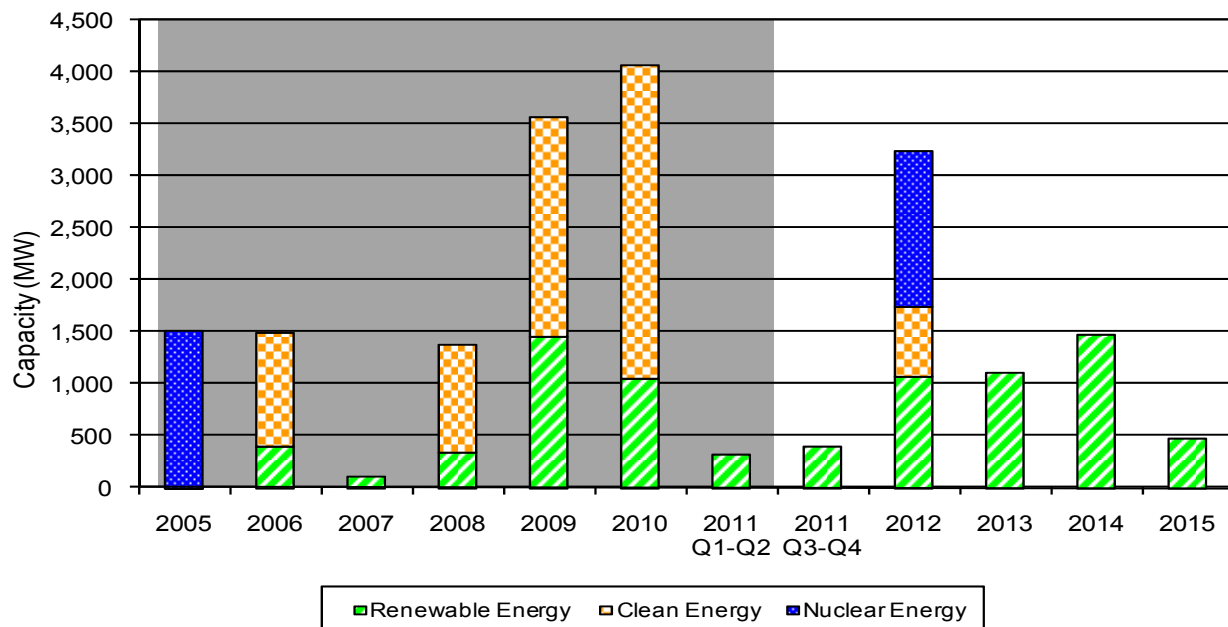
For further information on OPA's Feed-in Tariff Program or microFIT Program, visit:

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

Commercial Operation Chart

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

The shaded area reflects capacity that is in commercial operation. The un-shaded area reflects the current forecast.



Technology	2005	2006	2007	2008	2009	2010	2011 Q1-Q2	2011 Q3-Q4	2012	2013	2014	2015	TOTAL
Renewable Energy	11	396	113	341	1,448	1,043	312	387	1,066	1,099	1,464	475	8,155
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	312	387	3,239	1,099	1,464	475	19,090
Cumulative Totals	1,511	3,002	3,115	4,492	8,053	12,114	12,426	12,813	16,052	17,151	18,615	19,090	

RENEWABLE ENERGY SUPPLY

As of the end of the second quarter 2011, the OPA is managing 8,155 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
4,491 MW

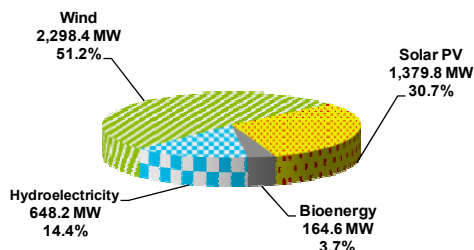
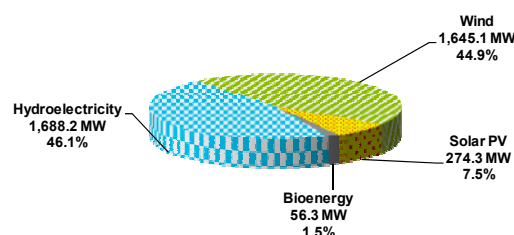


Chart 7 - In Commercial Operation
3,664 MW



As of the end of the second quarter 2011, the OPA had 7,603 renewable energy contracts with a combined capacity of 8,155 MW. More information on the renewable energy projects can be found in the following pages.

Energy Source	Contract Type	No. of Contracts	New Capacity Post-2003 (MW)		Total Capacity - Pre- and Post-2003 (MW)		Total In-Service and Under Development (MW)
			In-Service	Under Development	In-Service	Under Development	
Hydroelectricity	FIT	48	0	188.2	0	188.2	188
	RESOP	16	28.2	0	28.2	0	28
	RES	3	31.0	20.0	31.0	20.0	51
	HCI	42	0	0	1,054.0	2.0	1,056
	HESA	4	62.9	438.0	575.0	438.0	1,013
	Sub-Total	113	122.1	646.2	1,688.2	648.2	2,336
Wind	FIT	57	0.8	2114.5	0.8	2114.5	2116
	RESOP	39	233.8	85.0	233.8	85.0	319
	RES	15	1,410.5	98.9	1,410.5	98.9	1,509
	Sub-Total	111	1,645.1	2,298.4	1,645.1	2,298.4	3,944
Bioenergy	FIT	45	8.4	49.0	8.4	49.0	57
	RESOP	23	38.8	30.6	38.8	30.6	70
	CHP III	3	0	85.0	0	85.0	85
	RES	3	9.1	0	9.1	0	9
	Sub-Total	74	56.3	164.6	56.3	164.6	221
Solar	FIT	1,162	8.1	1,101.3	8.1	1,101.3	1,109
	microFIT	6,082	52.8	0	52.8	0	53
	RESOP	61	213.4	278.5	213.4	278.5	492
	Sub-Total	7,305	274.3	1,379.8	274.3	1,379.8	1,654
Sub-Total			2,098	4,489	3,664	4,491	
Total		7,603	6,587		8,155		8,155

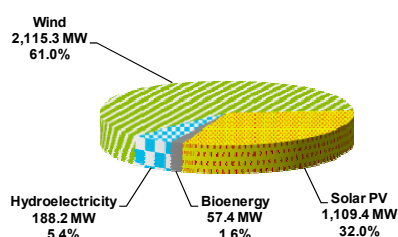
Renewable Energy Programs

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 (kW). At the end of the second quarter 2011, the OPA had received more than 7,600 FIT applications with a combined capacity of more than 18,800MW and had executed 1,312 FIT contracts with a combined generating capacity of 3,470 MW, of which more than 17 MW are in service. Applications continue to be accepted and processed.

Chart 8 - Feed-In Tariff Contracts Executed
3,470 MW



Feed-In Tariff Program Contracts

Energy Source	No. of Contracts	Capacity (MW)
Hydroelectricity	48	188.2
Wind	57	2,115.3
Bioenergy	45	57.4
Solar PV	1,162	1,109.4
Total	1,312	3,470.3

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

- Revised Renewable Energy Approval (REA) studies and consultation reports have been submitted to the Ministry of the Environment (MOE)
- Two additional public meetings were held in May 2011
- Preparation of domestic content plan underway
- System Impact Assessment (SIA) and Customer Impact Assessment (CIA) have been completed

Bow Lake Phase 1 and 2 (60.0 MW wind) – Bow Lake Phase 1 Wind Farm Ltd and Bow Lake Phase 2 Wind Farm Ltd.

- Additional public meetings were held hence delayed REA application submission
- Preparation of domestic content plan underway

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

- REA process underway
- Second public meeting tentatively scheduled for January 2012
- Wind turbine procurement process underway

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



Figure 1 – Workers installing one of the three turbine blades to a rotor hub. Siemens-manufactured turbine components including nacelles, rotor hubs, blades and towers started arriving at the project site. The towers were manufactured locally in Ontario.



Figure 2 – One of the turbine blades being manoeuvred into the project site; in addition. Over 75 percent of foundations and access roads have been completed.

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

- REA application submission has been completed and the application was posted to the environmental registry in May 2011
- Detailed engineering and site surveying work underway
- Preparation of domestic content plan underway

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

- REA process underway
- SIA completed

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

- REA process underway

Dufferin Wind Farm (100.0 MW wind) – Dufferin Wind Power Inc.

- REA process underway
- Site and environmental assessment underway
- Coordinating consultations with local stakeholders

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

- REA process underway

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

- Hydro One CIA complete. SIA is being finalized with no impacts indicated.
- Engineering and procurement activities are advancing.
- Construction targeted to commence in Q3 2011, pending final approvals

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

- REA process underway

- Second public meeting tentatively scheduled for January 2012
- Wind turbine procurement process underway

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

- Rezoning application approved and announced by the Town of Ajax.
- Amended Certificate of Approval has been received from the Ministry of the Environment
- Most of the major equipment is secured
- Additional equipment is currently being tendered

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

- REA process underway
- Received confirmation of the Aboriginal adder

Nigig Power Corporation (300.0 MW wind) – Nigig Power Corporation

- REA process underway
- Project financing discussion underway

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

- REA application submission was completed in May and awaiting posting to the environmental registry
- Procurement of major equipment underway
- Selection of engineering, procurement and construction contractor has been completed

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



Figure 3 – Construction of foundations is underway.



Figure 4 – The road use agreement with the Township of Melancthon has been executed and the road use agreement with the Township of Grey is being coordinated. Construction of access roads is also underway.

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

- All 27 turbines have been mechanically completed
- Substation construction is underway
- Collector system construction is underway

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

- REA application submission has been completed and the application was posted to the environmental registry in June 2011
- Preparation of domestic content plan underway

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

- REA process underway
- Project financing discussion underway

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

- REA process underway
- SIA and CIA completed

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

- REA process underway
- CIA completed
- Site layout including access roads, collection system and switching station nearing completion
- Procurement of major equipment underway

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

- REA application submitted
- Preparation of domestic content plan underway
- SIA and CIA completed

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

- REA process underway
- Site layout being finalized

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

- REA process underway
- Second public meeting tentatively scheduled for November 2011

microFIT

The microFIT Program is designed for small renewable power projects that have a generating capacity of 10 kW or less. The program accepts applications for solar, biomass, biogas, water and wind projects.

At the end of the second quarter of 2011, the OPA had received more than 32,300 microFIT applications with a combined capacity close to 300 MW and more than 22,100 conditional offers had been made with a combined capacity more than 200 MW. A total of 6,082 microFIT contracts had been executed with a combined capacity of 53 MW. All of these 53 MW are in commercial operation.

Renewable Energy Standard Offer Program

As of the end of the second quarter 2011, the OPA had 139 contracts for facilities greater than 10 kW in size, representing a combined capacity of 908 MW. Of these, 514 MW, have achieved commercial operation.

Chart 9 - Total RESOP Capacity
908 MW

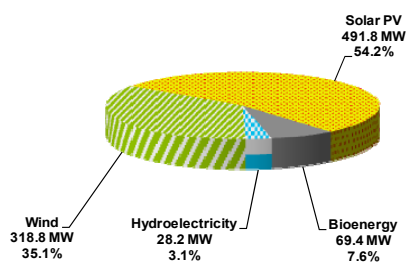
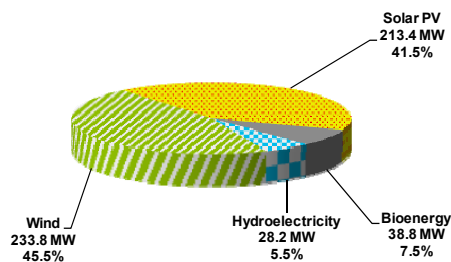


Chart 10 - Total RESOP Capacity in Commercial Operation
514 MW



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	30	233.8	9	85.0
Bioenergy	17	38.8	6	30.6
Solar PV	29	213.4	32	278.4
Total	92	514.2	47	394.1

Other Procurement Processes for Renewable Energy

In addition to the Feed-in Tariff Program and RESOP, at the end of the first quarter 2011, the OPA had 3,724 MW of renewable energy supply capacity under contract. Under these contracts, 3,080 MW are in commercial operation and 644 MW are under development.

Chart 11 - Under Development
644 MW

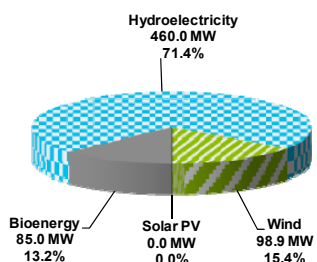
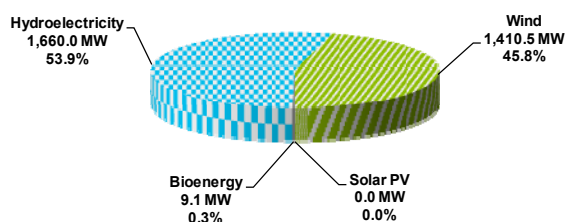


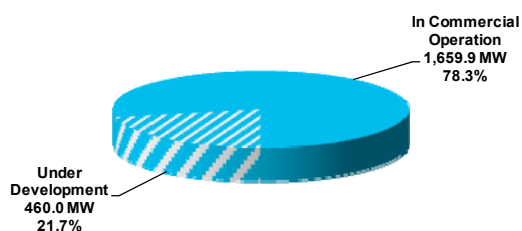
Chart 12 - In Commercial Operation
3,080 MW



Hydroelectricity Contracts

In addition to the Feed-in Tariff Program and RESOP, the OPA has 2,120 MW of hydroelectric capacity contracted through direct negotiations with owners or operators or other procurement processes. This capacity was procured under the Hydroelectric Contract Initiative directive, the Hydroelectric Energy Supply Agreement (HESA) directive and two separate renewable energy supply directives. As of the end of the first quarter 2011, 1,660 MW were in commercial operation and 460 MW were at various stages of development.

Chart 13 - Total Hydroelectric Capacity
2,120 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 5 – Harmon cofferdam cell #1 construction is complete and installation of cell #2 is in progress.

Kipling Generating Station (78.0 MW)



Figure 6 – Flexi-float pieces are being delivered to the site to facilitate in-water construction. The tower crane has been erected and commissioned.

Little Long Generating Station (67.0 MW)



Figure 7 – Little Long cofferdam was completed successfully. Drilling and blasting for rock removal is nearly complete, and preparatory work for concrete pouring is underway.

Smoky Falls Generating Station (268.0 MW)



Figure 8 – The Smoky Falls rock stabilization work at the powerhouse excavation continues to progress, and two reinforced concrete pours at the intake have occurred.

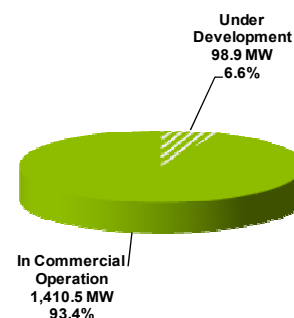
Island Falls Generating Station (20.0 MW) – Yellow Falls Power LP – Smooth Rock Falls: Mattagami River

- Project received environmental approval from the Ministry of the Environment

Wind Contracts

In addition to the Feed-in Tariff Program and RESOP, the OPA has 1,509 MW of wind capacity under contract that was procured through three renewable energy supply directives. A total of 1,411 MW have achieved commercial operation. The remainder comes from one project, the Greenwich Wind Farm, with a capacity of 99 MW which is at the final stage of construction and commissioning.

Chart 14 - Total Wind Capacity
1,509 MW



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



Figure 9 – The delivery of turbine components has begun at the project site. They are manufactured by Siemens.

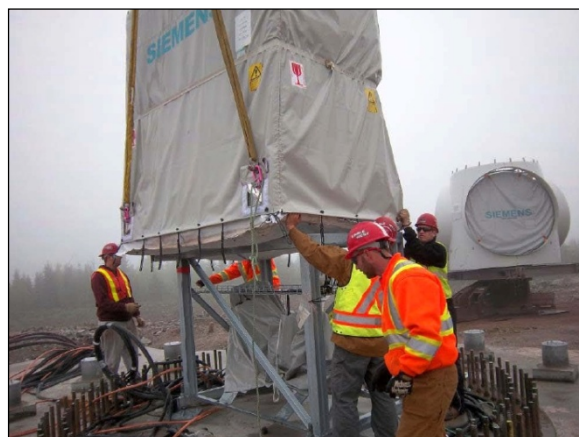
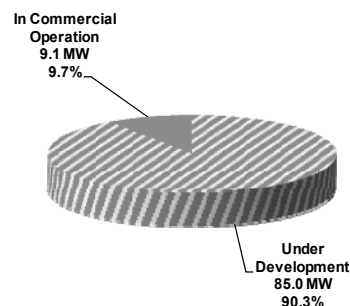


Figure 10 – All the turbine foundations were completed as of the second quarter of 2011. A power unit is being assembled on one of the turbine foundations.

Chart 15 - Total Bioenergy Capacity
94 MW

Bioenergy Contracts

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



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

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

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

- REA process is underway, with first open house complete
- Procurement of major equipment is underway
- Project financing is in progress

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

- Purchase order for a new transformer was issued and manufacturing is in progress
- Mill water tie-ins and piping modifications have been completed
- Refurbishment of a power boiler superheater contract was awarded and field work has commenced

CLEAN ENERGY SUPPLY

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

Chart 16 - Under Development
673 MW

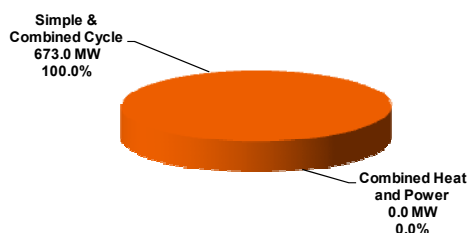
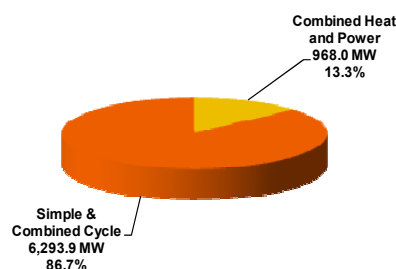


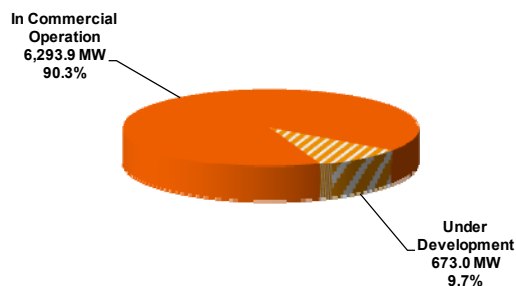
Chart 17 - In Commercial Operation
7,262 MW



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

- In June, the Minister of the Environment John Wilkinson announced that the Ministry of the Environment will conduct an updated review of the approval for the Greenfield South facility to assess recent developments.



Figure 11 – Site construction activities have begun with site services and access road installed.



Figure 12 – Major equipment has been ordered and several powerhouse column footings are complete

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



Figure 13 – The construction of a natural gas supply pipeline along Highway 9 has commenced. Nine kilometres (km) of the 16 km pipeline have been installed.

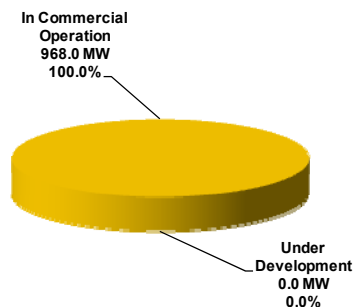


Figure 14 – Hydro One has installed the 230 kiloVolt (kV) interconnection support towers and tie-in loops. Exhaust stacks have been installed to full height, as have underground drainage and the fire water main. The structural steel for the control/warehouse building is in place and cladding is being installed. The turbine and generator are set and enclosures/auxiliaries are being installed.

Combined Heat and Power (CHP) Contracts under Development

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

Chart 19 - Total CHP Capacity
968 MW



NUCLEAR ENERGY SUPPLY

Bruce A Restart and Refurbishment

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

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

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



Figure 15 – Equipment and floors in Unit 2 have received a new paint job in preparation for return to service.



Figure 16 – The first fuel bundle was loaded into the refurbished Unit 2 reactor in June.

STATUS OF MINISTERIAL DIRECTIVES

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

Directive	Procurement Method	Capacity Sought MW	Capacity Procured MW
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RENEWABLE ENERGY

300 MW Renewable Energy Supply (RES) I	RFP	300	345
1,000 MW RES II	RFP	1,000	799
2,000 MW RES III	RFP	2,000	426
Renewable Energy Standard Offer Program (RESOP)	Standard Offer	908‡	908
OPG Waterpower Energy Supply (HESA)	Negotiation	530	1,013*
Existing Waterpower Facilities (HCI)	Negotiation/Standard Offer	1,056‡	1,056
Feed-in Tariff (with 53 MW microFIT)	Standard Offer	3,523‡	3,523
CHP (Renewable) **	RFP	100	85

Total **9,417** **8,155**

CLEAN ENERGY

2,500 MW Clean Energy Supply (CES)	RFP	2,500	1,962***
Combined Heat & Power (CHP I)	RFP	1,000	414
Early Movers Clean Energy Supply	Negotiation	1,315	1,005
Downtown Toronto and Goreway	Negotiation	1,350	1,389
Western GTA Supply	RFP	600	642
Northern York Region Supply	RFP	350	393
Durham & York Region Energy from Waste	Negotiation	TBC†	TBC
Lennox GS	Negotiation	2,140	2,140

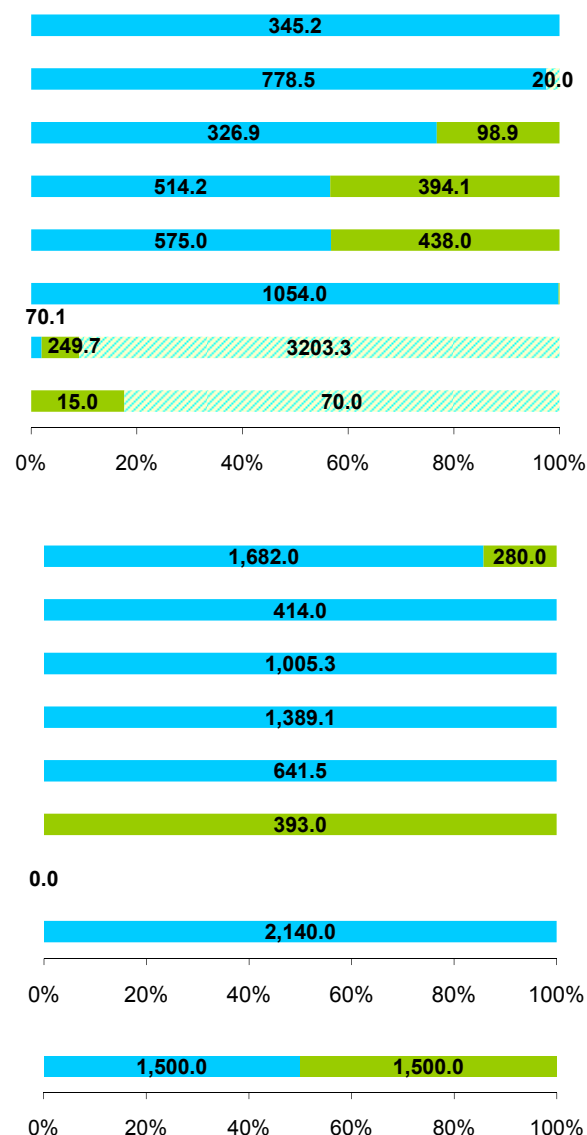
Total **9,255** **7,945**

NUCLEAR ENERGY

Bruce A Restart & Refurbishment	Negotiation	3,000	3,000
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Total **21,672** **19,100**

Commercial Operation Construction Pre-Construction



* Including 486 MW of existing capacity

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

*** Including 10 MW Demand Response contract

† To Be Confirmed

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

APPENDICES

I: Contracted Facilities in Commercial Operation

Energy Source		Contract Facility	Average Contract Capacity (MW)	Commercial Operation / Term Commencement Date	Contract Expiry Date	COD Year	Sub-Total	Total
Renewable Energy	Hydroelectricity	FIT (combined contract capacity)	0.0	/			1,688	3,664
		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		
		Bracebridge Falls Generating Station	0.6	1-May-10	Q2 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	01-Jun-65	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		

Energy Source		Contract Facility	Average Contract Capacity (MW)	Commercial Operation / Term Commencement Date	Contract Expiry Date	COD Year	Sub-Total	Total
		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		
		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	29-Jun-66	Q4 2065	1966		
		Lac Seul/Ear Falls Generating Station	29.3	18-Feb-09	Q1 2059	2009		
		Little Long Generating Station	137.0	02-Oct-63	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	1926	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		

Energy Source		Contract Facility	Average Contract Capacity (MW)	Commercial Operation / Term Commence ment Date	Contract Expiry Date	COD Year	Sub-Total	Total
Clean		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		
		West Nipissing Power Generation	6.5	01-Mar-10	Q1 2030	2010		
		Wilson's Falls	0.6	01-May-10	Q2 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)	0.8	2010+	2030+		1,645	
		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		
		Gosfield Wind Project	50.6	16-Sep-10	Q3 2030	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 2030			
		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			
		Ripley Wind Power Project	76.0	22-Dec-07	Q4 2027	2007		
		Talbot Wind Farm	98.9	16-Dec-10	Q4 2030			
		Wolfe Island Wind Project	197.8	26-Jun-09	Q2 2029	2009		
	Bioenergy	FIT (combined contract capacity)	8.4	2010+	2030+		56	
		RESOP (combined contract capacity)	38.8	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)	60.9	2010+	2030+		274	
		RESOP (combined contract capacity)	213.4	2007+	2027+			
		Brighton Beach Power Station	541.3	01-Jan-06	Q4 2024	2006		
Clean	Simple/	Goreway Station	839.1	04-Jun-09	Q2 2029	2009	6,294	7,262

Energy Source		Contract Facility	Average Contract Capacity (MW)	Commercial Operation / Term Commencement Date	Contract Expiry Date	COD Year	Sub-Total	Total
Energy	Combined Cycle	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	1977	Q4 2011			
		Portlands Energy Centre	550.0	22-Apr-09	Q2 2029	2009		
		St. Clair Energy Centre	577.0	30-Mar-09	Q1 2029	2009		
		Essar Cogeneration Facility	63.0	13-Jun-09	Q2 2029	2009		
	Combined Heat and Power	Durham College District Energy Project	2.3	11-Mar-08	Q1 2028	2008	968	
		East Windsor Cogeneration	84.0	06-Nov-09	Q4 2029	2009		
		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	Q2 2024	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	8.3	01-Jan-06	Q4 2015	2006		
		Warden Energy Centre	5.0	04-Jun-08	Q2 2028	2008		
		Bruce A Unit 3	750.0	31-Oct-05	TBD	2005		
Nuclear Energy	Nuclear	Bruce A Unit 4	750.0	31-Oct-05	TBD	2005	1,500	1,500
Bruce A Unit 4		750.0	31-Oct-05	TBD	2005			
TOTAL								12,426

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)	188.2	2011+	2031+	648	4,491
		RESOP (combined contract capacity)	0.0	2011+	2031+		
		Harmon Generating Station	78.0	Q4 2015	Q4 2065		
		Island Falls Generating Station	20.0	TBD	Q4 2029		
		Kipling Generating Station	78.0	Q4 2015	Q4 2065		
		Little Long Generating Station	67.0	Q4 2015	Q4 2065		
		Stanley Adamson Powerhouse	1.6	Q2 2013	Q2 2033		
		Casselman Generating Station	0.4	Q4 2011	Q4 2031		
		Smoky Falls Generating Station	215.0	Q4 2015	Q4 2065		
	Wind	FIT (combined contract capacity)	2,114.5	2011+	2031+	2,298	
		RESOP (combined contract capacity)	85.0	2011+	2031+		
		Greenwich Wind Farm	98.9	Q4 2011	Q4 2031		
	Bioenergy	FIT (combined contract capacity)	49.0	2011+	2031+	165	
		RESOP (combined contract capacity)	30.6	2011+	2031+		
		Becker Cogeneration Plant	15.0	Q3 2011	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)	1,101.3	2011+	2031+	1,380		
	RESOP (combined contract capacity)	278.5	2011+	2031+			
Clean Energy	Simple/ Combined Cycle	Greenfield South Power Plant	280.0	Q3 2014	Q3 2034	673	673
		York Energy Centre	393.0	Q3 2012	Q3 2032		
Nuclear Energy	Nuclear	Bruce A Unit 1	750.0	Q3 2012	TBD	1,500	1,500
		Bruce A Unit 2	750.0	Q1 2012	TBD		
TOTAL							6,664



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