

AMPCO Interrogatories to the IESO

Preamble

In the IESO's letter of intervention of October 24th, the IESO indicated that it would be "responding to relevant interrogatories or enquiries from the Ontario Energy Board (the "Board"), Board Staff and other parties". It is pursuant to this statement that AMPCO seeks additional information from the IESO.

Interrogatory: No. 1

In relation to the IESO's 18 Month Outlook issued September 23, 2008:

- a. Table 5.2 provides an update on the committed and contracted generation resources anticipated over the next 18 months. Please provide an update of Table 5.2 or confirm that it represents current information available to the IESO.
- b. Regarding Table 5.2, please explain why the 240 MW of capacity for the Portlands Energy Centre Combined Cycle Operation and the 570 MW of capacity for the St. Clair Energy Centre are shown only as planned and not firm.
- c. Please summarize the dispatchable and non-dispatchable generation expected to enter and exit service prior to September 30th 2009.
- d. Please indicate whether the following statement is still reflective of the IESO's expectations: "The new interconnection between Hawthorne transformer station (TS) in Ontario and Outaouais station in Québec is scheduled for service by spring 2009. The new interconnection is designed for an ultimate capacity of 1,250 MW but for the period of this Outlook the import and export capability will be limited to up to 750 MW and 1,000 MW respectively." (P. 30)
- e. The Outlook contains the following statement: "Recent studies performed by the IESO indicate a continued need for four Lennox units for local area reliability at least for the first part of this Outlook period." (p. 30). Please provide the studies referred to in this statement. What is meant by the phrase "first part"?

IESO Response:

- a. On November 26, 2008, the IESO published an interim update to the 18-Month Outlook that was issued September 23, 2008, which was based on an update of Table 5.2 provided below.

The asterisk beside the “Estimated Effective In-serve Date” (i.e., column 3) specifies a change in the estimated in-service dates for The Kruger Energy Port Alma Wind Power Project, Lac Seul Hydroelectric Project and Countryside London Cogeneration Facility. For each of these facilities the estimated in-service date changed from Q3-2008 to Q-42008.

Proponent /Project Name	Zone	Fuel Type	Estimated Effective Date		Project Status	Firm (MW)	Planned (MW)
Kruger Energy Port Alma Wind Power Project	West	Wind	2008-Q4	*	in-service	101	101
Lac Seul Hydroelectric Project	Northwest	Water	2008-Q4	*	Construction	13	13
Countryside London Cogeneration Facility	West	Gas	2008-Q4	*	Construction	12	12
Umbata Falls Hydroelectric Project	Northwest	Water	2008-Q4		Commissioning	23	23
Greenfield Energy Centre	West	Gas	2008-Q4		in-service	1,005	1,005
Melancthon II Wind Project	Southwest	Wind	2008-Q4		Commissioning	99	99
Enbridge Ontario Wind Farm	Southwest	Wind	2008-Q4		Commissioning	182	182
Portlands Energy Centre Combined Cycle Operation	Toronto	Gas	2009-Q1		Commissioning	240	240
Goreway Station Project	Toronto	Gas	2009-Q1		Commissioning	860	860
St. Clair Energy Centre	West	Gas	2009-Q1		Construction	0	570
Return of Unit 7 at Beck 1 as a 60 Hz unit	Niagara	Water	2009-Q1		Construction	59	59
Nuclear Upgrade	N/A	Uranium	2009-Q2		Construction	27	27
Algoma Energy Cogeneration Facility	Northeast	Industrial Gas	2009-Q2		Construction	0	63
Wolfe Island Wind Project	East	Wind	2009-Q2		Approvals & Permits	0	198
Bruce Unit 2	Bruce	Uranium	2009-Q3		Construction	0	750
East Windsor Cogeneration Centre	West	Gas	2009-Q3		Construction	0	84
Retirement of Lower Wawaitin 25 Hz generation to convert to 60 Hz	Northeast	Water	2010-Q1		Connection Assessment	-11	-11
Bruce Unit 1	Bruce	Uranium	2010-Q1		Construction	0	750
Total						2,609	5,024

- b. The Portland Energy Centre and St. Clair Energy Centre did not meet the standard IESO criteria for including facilities in the firm scenario. The IESO criteria in this regard are described in Section 5.2 of the 18-Month Outlook which was published on September 23, 2008. At the time of publication, the Portlands Energy Centre Combined Cycle Operation and the 570 MW of capacity for the St. Clair Energy Centre were only under construction, and had not yet started commissioning, nor was their proposed in-service date within three months of the start of the Outlook period..
- c. The following table identifies the dispatchable generation facilities that are expected to be entering into the wholesale market prior to September 30, 2009.

Proponent /Project Name	Zone	Fuel Type	Estimated Effective Date	Firm (MW)	Planned (MW)
Lac Seul Hydroelectric Project	Northwest	Water	2008-Q4	13	13
Countryside London Cogeneration Facility	West	Gas	2008-Q4	12	12
Umbata Falls Hydroelectric Project	Northwest	Water	2008-Q4	23	23
Greenfield Energy Centre	West	Gas	2008-Q4	1,005	1,005
Portlands Energy Centre Combined Cycle Operation	Toronto	Gas	2009-Q1	240	240
Goreway Station Project	Toronto	Gas	2009-Q1	860	860
St. Clair Energy Centre	West	Gas	2009-Q1	0	570
Return of Unit 7 at Beck 1 as a 60 Hz unit	Niagara	Water	2009-Q1	59	59
Nuclear Upgrade	N/A	Uranium	2009-Q2	27	27
Algoma Energy Cogeneration Facility	Northeast	Industrial Gas	2009-Q2	0	63
Bruce Unit 2	Bruce	Uranium	2009-Q3	0	750
East Windsor Cogeneration Centre	West	Gas	2009-Q3	0	84
Total				2,239	3,706

The following table identifies the non-dispatchable generation facilities that are expected to be entering into the wholesale market prior to the end of September 30, 2009

Proponent /Project Name	Zone	Fuel Type	Estimated Effective Date	Firm (MW)	Planned (MW)
Kruger Energy Port Alma Wind Power Project	West	Wind	2008-Q4	101	101
Melancthon II Wind Project	Southwest	Wind	2008-Q4	99	99
Enbridge Ontario Wind Farm	Southwest	Wind	2008-Q4	182	182
Wolfe Island Wind Project	East	Wind	2009-Q2	0	198
Total				382	580

The IESO is unaware of any facilities (i.e., dispatchable or non-dispatchable) that are expected to exit the wholesale market prior to the end of September 30, 2009. The retirement of Lower Wawaitin 25 Hz dispatchable generation to convert to 60 Hz is expected to occur in the first quarter of 2010.

- d. The statement in question reflects the expected maximum power transfer over the new HVDC interconnection facility for the period before transmission reinforcements are realized in Hydro Quebec system. These numbers provided by Hydro Quebec are not representative of the interconnection capability, which is 1250 MW, but rather of limited transmission capability within the Quebec transmission system. Recently, Hydro Quebec indicated that these transfer levels were based on preliminary studies and may be revised upwards. The latest information provided to the IESO is that the planned in-service date of the interconnection is expected to be mid 2009, but its full capability may not be

realized until about May 2010 when planned transmission enhancements in Quebec are expected to be completed.

- e. The studies referred to in the Outlook are documented in the Lennox GS De-registration Analysis. The referenced statement is from the Outlook issued September 23, 2008 that covers period from Q4 - 2008 to Q1- 2010. The phrase "first part" of the Outlook referred to the period ending September 30, 2009