18-MONTH OUTLOOK:

An Assessment of the Reliability of the Ontario Electricity System

From April 2006 to September 2007

ieso
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Executive Summary

Recent additions to Ontario's generating capacity, transmission capability and planned market enhancements in the first half of 2006 contribute to an improved outlook for Ontario's overall reliability picture compared to last summer. Under the Normal Weather demand scenario, there are sufficient resources forecast to meet expected requirements for most weeks during the next year and a half. However, there are periods during the summer and under extreme weather conditions when the system will be strained and it is expected that Ontario will need to rely on additional supplies from outside the province.

The Independent Electricity System Operator (IESO) regularly assesses the adequacy and reliability of Ontario's power system. This 18-month Outlook provides the IESO assessment of the reliability of the power system from April, 2006 to September, 2007 utilizing the most up to date forecast information and taking into account experience gained from past operations.

Supply and Transmission Enhancements

Since last summer, more than 600 MW of new supply has been added to the system including the 515 MW Unit 1 at the Pickering Nuclear Generating Station and the 117 MW Greater Toronto Airports Authority gas-fired co-generation unit. More than 200 MW from three new wind power projects is also expected to be connected to the system by June 1 of which 10 per cent is assumed to be reliably available at peak times.

Since the last 18-Month Outlook was released in December of 2005, the provincial government has announced that it has directed the Ontario Power Authority to move ahead with the 550 MW Portlands Energy Centre in Toronto with 330 MW to be in service no later than the summer of 2008.

In the western Greater Toronto Area (GTA) and in central Toronto, transformer and transmission line load levels were near, and in some cases, exceeded their capability last summer. Transmission capability into the GTA has been improved with the addition of a second auto-transformer at Parkway Transformer Station in the fall of 2005, and transmission enhancements at the Essa, Cherrywood and Trafalgar Transformer Stations. In addition, the first phase of the Goreway generating station is expected to be placed in service in the summer of 2007, contributing 485 MW of much needed generation capability in western GTA.

Outside the GTA, the transmission system is expected to be adequate to supply demand under the forecast conditions over the next 18 months with some exceptions. Limitations

experienced over the summer of 2005 from the Niagara region into the Hamilton-Burlington area limited both the use of available Ontario generation and imports into the province during hot weather, high demand periods. Changes and upgrades completed or underway in these areas and in eastern Ontario will increase import capability, improving but not completely relieving the situation for the summer of 2006.

IESO Initiatives

The challenges to maintain reliability of Ontario's bulk power system during the summer of 2005 have prompted a number of initiatives and changes to increase preparedness for similar conditions.

For example, the IESO has adjusted its methods for projecting peak demand and hydroelectric capability to more accurately forecast expected circumstances, particularly over peak periods, allowing participants to better develop their operational plans.

The IESO has been working with government and stakeholders to develop new market measures to address some of the problems that surfaced last summer when the IESO relied on extensive use of emergency control actions in order to maintain reliability and avoid power interruptions. These measures which will be implemented in the second quarter of 2006 will include:

- A Day Ahead Commitment Process which is expected to reduce the failure of import transactions in real time and increase commitment certainty for both domestic and out of province generators; and

- An Emergency Load Reduction Program which will reduce consumption when required for reliability by providing incentives to loads to reduce their energy usage under stressed system conditions.

The additional generation and transmission initiatives now in service and the implementation of the Day Ahead Commitment Process should lessen the need for emergency control actions this summer. However, given the uncertainties around weather and system conditions there may be periods when the IESO will need to rely on emergency control measures to maintain reliability in the province.

Demand Forecast

Previous reports have presented peak demands based on weekly normalized weather. This Outlook moves to the use of monthly normalized weather. The Monthly Normal and Extreme Weather scenarios are used in assessing reliability during the summer and winter peak demands. The following table summarizes the peak demands for the upcoming seasons under the different weather scenarios.

Season	Monthy Normal Weather Peak (MW)	Seasonal Normal Weather Peak (MW)	Extreme Weather Peak (MW)
Summer 2006	25,502	25,674	27,379
Winter 2006-07	24,897	25,102	25,963
Summer 2007	25,858	26,031	27,736

Other than the change to monthly normalized weather, the demand forecast itself is very similar to the previous demand forecast. Summer peak demands exhibit growth of about 300 MW per year. Energy demand is expected to be 156.4 terawatt hours (TWH) for 2006, a 1.1 per cent increase over the weather corrected energy demand for 2005 (154.7 TWH).

- End of Section -

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1.0 Introduction

This Outlook covers the 18-month period from April 1, 2006 to September 30, 2007. It supersedes the report titled "An Assessment of the Reliability of the Ontario Electricity System from January 2006 to June 2007", dated December 22, 2005.

The purpose of the 18-Month Outlook is:

- To advise market participants of the resource and transmission reliability of the Ontario electricity system;
- To assess potentially adverse conditions that might be avoided through adjustment or coordination of maintenance plans for generation and transmission equipment; and
- To report on initiatives that are being put in place to improve reliability within the 18-month timeframe of this Outlook.

The contents of this Outlook focus on the assessment of resource and transmission adequacy. Other supporting information and forecasts are contained separately in the following documents that are updated as required:

- "Ontario Demand Forecast from April 2006 to September 2007" (IESO_REP_0303) (found on the IESO web site at http://www.ieso.ca/imoweb/pubs/marketReports/18Month_ODF_2006mar.pdf
    - Contains a detailed description of the peak and energy demand forecasts used in this Outlook.
- "Methodology to Perform Long Term Assessments" (IESO_REP_0266) (found on the IESO web site at http://www.ieso.ca/imoweb/pubs/marketReports/Methodology_RTAA_2006mar.pdf
    - Contains information regarding the methodology used to perform the demand forecasts, resource adequacy assessments and transmission reliability assessments in this Outlook.
- "Ontario Transmission System" (IESO_REP_0265) (found on the IESO web site at www.ieso.ca/imoweb/pubs/marketReports/OntTxSystem_2005jun.pdf)
    - Provides specific details on the transmission system, including the major internal transmission interfaces and interconnections with neighbouring jurisdictions.

Readers are invited to provide comments on this Outlook report or to give suggestions as to the content of future reports. To do so, please contact us at:

- Toll Free: 1-888-448-7777
- Tel: 905-403-6900
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- E-mail: customer.relations@ieso.ca.

This Outlook presents an assessment of resource and transmission adequacy based on the stated assumptions, using the described methodology. Readers may envision other possible scenarios, recognizing the uncertainties associated with various input assumptions, and are encouraged to use their own judgement in considering possible future scenarios. The tables contained in the document can be downloaded from the Independent Electricity System Operator (IESO) web site in MS Excel format.

In addition to the comprehensive Outlook, the IESO generally publishes Interim Updates to the 18-Month Outlook during each month for which a full Outlook is not issued. These updates include a spreadsheet which reflects changes to Total Resources, Total Reductions to Resources, and Reserve Above Requirement values for the Planned Resource Scenario. The updates also include a summary of actual demand and forecast demand data. Similar to the full Outlooks, the Interim Updates are posted on the IESO web site. These updates provide Outlook information on a more frequent basis to allow market participants to better adjust their operational plans and outage schedules.

The reader should be aware that Security and Adequacy Assessments are published on the IESO web site on a weekly and daily basis that progressively supersede information presented in this report.

- End of Section -

2.0 Updates to This Outlook

2.1 Changes to Forecast Peak Demand and Hydroelectric Capability

The challenges to maintain reliability of Ontario's bulk power system during the summer of 2005 that were related to high demands and lower hydroelectric generation have prompted changes to the calculation of supply adequacy. The IESO is adjusting its methodology to identify weekly reserves by using a different normalization period for peak demands and a different method to identify hydroelectric capability. These changes provide a more accurate assessment of the reliability of the Ontario electricity system within the next 18 months.

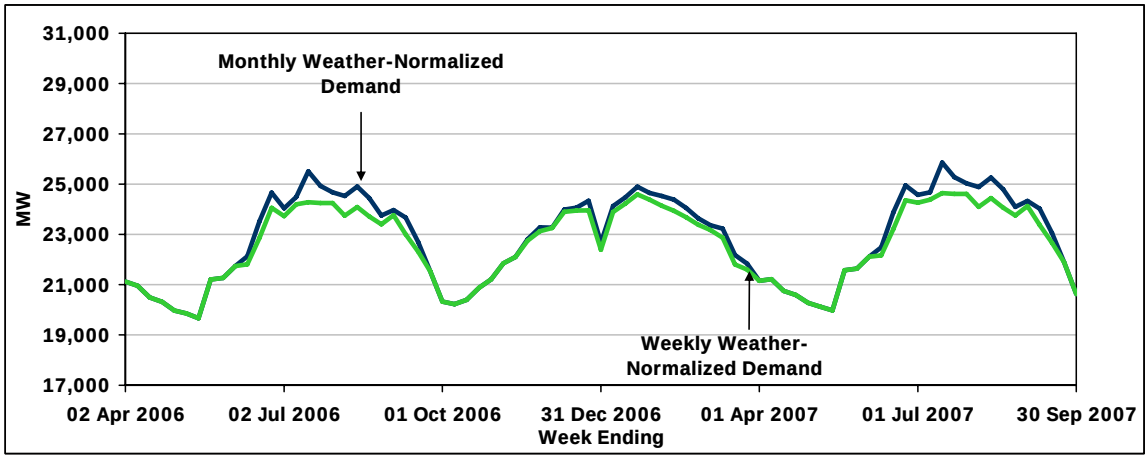
Peak Demand Forecasts

The summer and winter peak demand forecasts presented in this Outlook are based on monthly normalized weather. Previous Outlook reports presented peak forecast values that were based on weekly normalized weather. Compared to weekly weather normalization, monthly weather normalization results in:

- Peak estimates that are higher and closer to expected seasonal peak demands, and
- A lower level of forecast uncertainty due to weather.

Figure 2.1 shows the difference between monthly normalized and weekly normalized peak demands for the summer and winter weeks in the study period.

Figure 2.1 Monthly Weather-Normal vs. Weekly Weather-Normal Peak Demand Forecasts



For the summer season, the difference between the monthly normalized peak demand and the weekly normalized peak demand is roughly 1,200 MW. For the winter season, the difference is just over 300 MW. Note that forecasts for the spring and fall will continue to be based on weekly normalized weather as the difference between weekly normalized and monthly normalized forecasts are not as significant when the system peak demands are at their lower values.

Hydroelectric Capacity Forecasts

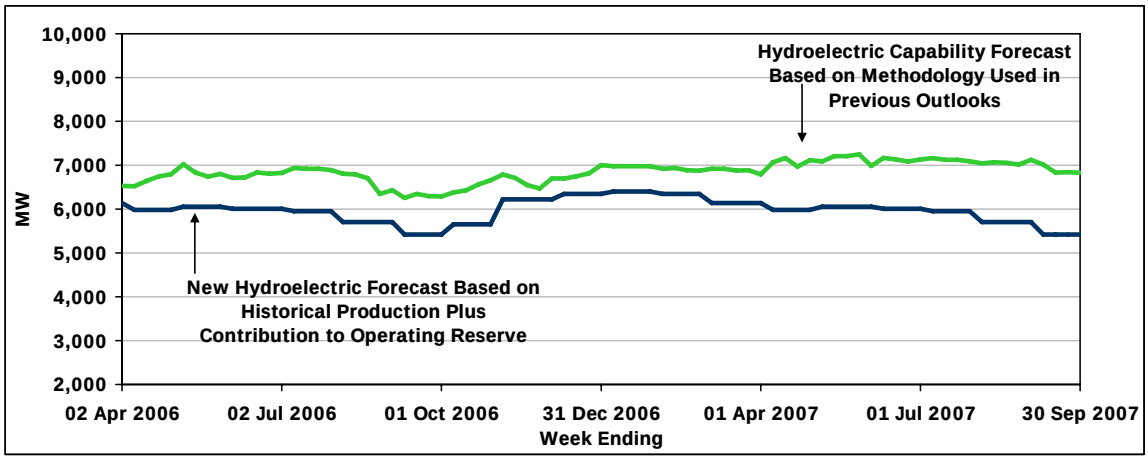
The resource adequacy assessment in this Outlook includes forecasts of hydroelectric generation based on historical values of hydroelectric production plus hydroelectric contribution to operating reserve during peak demand hours. In previous Outlooks, forecasts of hydroelectric generation were based on hydroelectric capacity values, including planned outages and expected forced outage rates. Inherently, these forecasts did not consider the coincident capability of all hydro units and stations thereby creating the potential for consistent overstating of hydroelectric capability at the time of the system peak.

As indicated in the 18-Month Outlook published on December 22, 2005, total hydroelectric production during the summer of 2005 was 15% less than forecasted capability.

The change in methodology for forecasting hydroelectric capability is intended to better align the forecasts with expected hydroelectric capability, particularly during peak demand periods.

Figure 2.1 shows the hydroelectric forecasts included in this Outlook compared to hydroelectric forecasts based on the methodology used previously.

Figure 2.2 Comparison of Hydroelectric Capability Forecasts



For each week in the study period, the new hydroelectric forecasts are less than the hydroelectric forecasts based on the methodology used in previous Outlooks. On average for the 18-month period, the difference between the forecasts is approximately 900 MW.

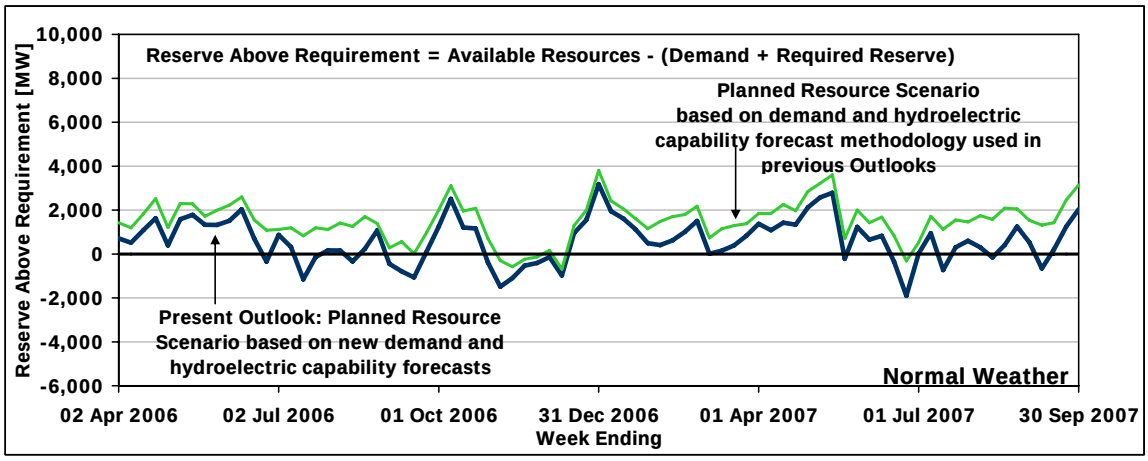
The maximum differences between the two forecasts for the summer of 2006 and winter of 2006/2007 are approximately 1,100 MW and 660 MW, respectively.

Impact on Reserve Above Requirement

This Outlook presents Reserve Above Requirement levels that have been calculated using the new peak demand forecasts and new hydroelectric capacity forecasts described earlier in this section. The impact of the change in forecasting methodologies on Reserve Above Requirement is illustrated in Figure 2.3 which shows how the Reserve Above Requirement levels for the normal weather, Planned Resource Scenario[1] differ depending on the underlying demand and hydroelectric capability forecasts.

[1] Refer to Section 4.1 for a detailed discussion of the assumptions underlying the Planned Resource Scenario.

Figure 2.3 Reserve Above Requirement: Values Based on New Forecasting Methodologies vs. Values Based on Methodology used in Previous Outlooks



The combination of the new demand and hydroelectric capacity forecasts results in Reserve Above Requirement values that are, on average for the 18-Month Study period, approximately 900 MW lower than Reserve Above Requirement values based on the demand and hydroelectric capacity forecasting methodologies used in previous Outlooks.

2.2 Updates to Resources

Since the previous Outlook report was published, the following three new generators are contributing a combined total of up to 135 MW in the wholesale electricity market:

- Greater Toronto Airports Authority's new co-generation power plant at Pearson International Airport;
- Glen Miller Hydroelectric Station; and
- Essex Power.

With the additional three months covered by this Outlook, the Sithe-Goreway project (485 MW) is scheduled to come into service during the third quarter of 2007.

The Transitional Demand Response Program (TDRP) is scheduled to end in April 2007. For assessment purposes we have assumed there is no continued response beyond the end of the program. As a result, our price-responsive demand forecast drops beyond that point by up to 30 MW.

There have also been updates to the generator outages submitted by market participants.

2.3 Updates to Transmission Outlook

The list of transmission projects and planned and forced transmission outages has been updated from the previous 18-Month Outlook.

This outlook also presents a discussion of some of the transmission enhancements that are forecast to be in service within the outlook period.

2.4 Changes in 18-Month Outlook Scope

This issue of the 18-Month Outlook represents a departure from recent issues of the 18-Month Outlook in that it's focus is operational planning within the next 18 months. Additional information that was contained in previous Outlook reports, such as plans to manage reliability risks and progress on those plans, will be published periodically in the Ontario Reliability Outlook.

- End of Section -

3.0 Demand Forecast

The forecast of demand has been updated to reflect the most recent information. As part of the regular updating process, the forecasting models' equations are re-estimated based on recent economic, weather and demand data. We have also updated the Weather scenarios for the most recent weather data. The economic outlook has been updated but does not differ significantly from the previous forecast. High oil prices and a high dollar will continue to negatively impact Ontario's exporters. Low interest rates will continue to fuel consumption, business investment and construction. Combined, the province will experience moderate growth over the forecast.

The demand forecast methodology is unchanged from previous forecasts. However the weather scenarios have been expanded to include monthly normalized weather. Whereas in past Outlooks the weekly normalized weather was used to analyze system reliability in the summer and winter, we will begin using monthly normalized weather for that purpose starting with this Outlook. The net result is higher forecasted peaks and lower uncertainty surrounding them.

Annual energy demand is expected to grow by 1.2% and 1.1% in 2006 and 2007. The peak demands are higher due to the transition to Monthly Normal weather. The summer 2006 peak demand is expected to top 25,500 MW while the winter 2006-07 peak will fall just short of 24,900 MW. The growth in energy and peak demands varies across the zones due to local demographic and economic factors that influence demand.

Demand Forecast Assumptions

The adequacy assessments contained in this Outlook take into consideration a range of peak demands that can occur under various weather conditions with varying probability of occurrence. We focus on two demand forecast scenarios, which are based on:

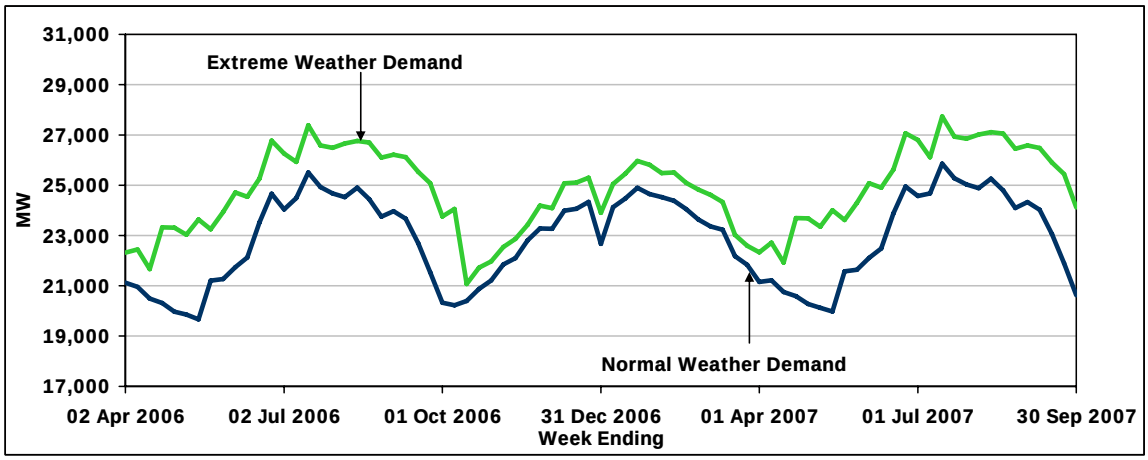
- Monthly Normal weather; and
- Extreme weather.

The occurrence and timing of extreme weather is impossible to accurately forecast far in advance. As a result, the impact of extreme weather is modeled probabilistically in the calculation of the required resources for each week of the study period.

Conservation has occurred throughout the history used to forecast energy and peak demand. As such, these naturally occurring reductions are reflected in the demand forecast. However, higher levels of conservation or demand management are possible but require more direct intervention in the form of incentives, standards or other mechanisms. The results of these initiatives can be substantial and will be included in these Outlooks when the results become more concrete. This forecast does not take into account government targets for energy conservation.

Figure 3.1 shows the Monthly Normal and Extreme weather demands assumed for each week in the study period.

Figure 3.1 Demand Forecast Range



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4.0 Resource Adequacy Assessment

This section provides an assessment of the adequacy of resources to meet the forecast demand. In recognition of the uncertainty which exists regarding the future availability of resources, two resource scenarios are described in this section: the Planned Resource Scenario and the Existing Resource Scenario.

The Planned Resource Scenario assumes quantities of price-responsive demand and generation capacity based on existing resources and estimates of in-service dates for new projects.

The Existing Resource Scenario considers the potential for delays to the in-service dates of additional new generation capacity and of the price-responsive demand by being based on current levels only. However, this scenario does assume small generation capacity increases to the existing nuclear generation facilities.

Results of the adequacy assessment, as well as an analysis of risk factors, are described in Sections 4.1 through 4.5. Observations, findings and conclusions are provided in Section 8, and detailed tables of results can be found in Appendix A of this document.

4.1 Planned Resource Scenario with Normal and Extreme Weather

Resource Assumptions

The Planned Resource Scenario assumes quantities of price-responsive demand and generation capacity based on existing resources plus significant new generation facilities that are scheduled to come into service within the 18-month study period. This includes:

- Existing Installed Resources: total capacity of 30,766 MW(refer to Table 4.1)
    - Assumed to be in-service for the entire duration of the study period, except for periods of time that the generator owner/operator has submitted planned outages for their generating units.
- New generation facilities and capacity increases to the existing facilities expected to be in-service within the 18-month study period (refer to Table 4.2)
    - Includes projects in the IESO's Connection Assessment and Approval Process (CAA)[1] that are under construction, embedded generators that are registered to participate in the market, and projects selected under the RFP process.
- Price-responsive demand forecast:
    - Table 4.3 summarizes the additions and reductions to the responsive demand capacity over the course of the forecast.
    - Based on historical data, it is assumed that 57% of price responsive demand is available at the time of the weekly peak.
    - The Transitional Demand Response Program ends in April 2007.

[1] Details regarding the IESO's CAA process and the status of all projects in the CAA queue, including copies of available Preliminary Assessment and System Impact Assessment Reports, can be found on the IESO's web site www.ieso.ca under the "Services - Connection Assessments" link.

Table 4.1 Existing Installed Generation Resources

Fuel Type	Total Capacity (MW)	Number of Stations
Nuclear	11,397	5
Coal	6,434	4
Oil / Gas	5,103	22
Hydroelectric	7,764	68
Miscellaneous	68	3
Total	30,766	102

Table 4.2 Committed and Contracted Generation Resources

Proponent/Project Name	Zone	Fuel Type	Capacity MW	Connection Applicant's Estimated I/S Date
Melancthon Grey Wind Project	Southwest	Wind	68	2006-Q1
Kingsbridge Wind Power Project	Southwest	Wind	40	2006-Q1
Erie Shores Wind Farm	Southwest	Wind	99	2006-Q2
Hamilton Community Digester Energy	Southwest	Sewage	2	2006-Q3
Nuclear Uprate	N/A	Uranium	17	2006-Q3
Prince Wind Farm	Northeast	Wind	99	2006-Q3
Nuclear Uprate	N/A	Uranium	16	2006-Q4
Leader Wind Power Project A	Southwest	Wind	99	2006-Q4
Leader Wind Power Project B	Southwest	Wind	101	2006-Q4
Trail Road Landfill Gas	Ottawa	Landfill Gas	5	2007-Q1
Melancthon II Wind Project	Southwest	Wind	132	2007-Q1
Blue Highlands Wind Farm	Southwest	Wind	50	2007-Q3
Goreway Station Phase 1	Toronto	Gas	485	2007-Q3
Nuclear Uprate	N/A	Uranium	17	2007-Q3
Total			**1,230**	

Table 4.3 Demand Side Projects

Project	Type	Zone	Capacity MW	Estimated In-Service Date
Loblaws Properties	Contracted Demand	Distributed	10	2006-Q2
Demand Response	Dispatchable Demand	Northwest	15	2006-Q2
Demand Response	Dispatchable Demand	Southwest	30	2006-Q2
Demand Response	Dispatchable Demand	Northeast	25	2006-Q2
Demand Response	Dispatchable Demand	Northeast	10	2006-Q3
Demand Response	Dispatchable Demand	Northeast	100	2006-Q4
Transitional Demand Response Program	Dispatchable Demand	Distributed	-31	2007-Q2
Total			**159**	

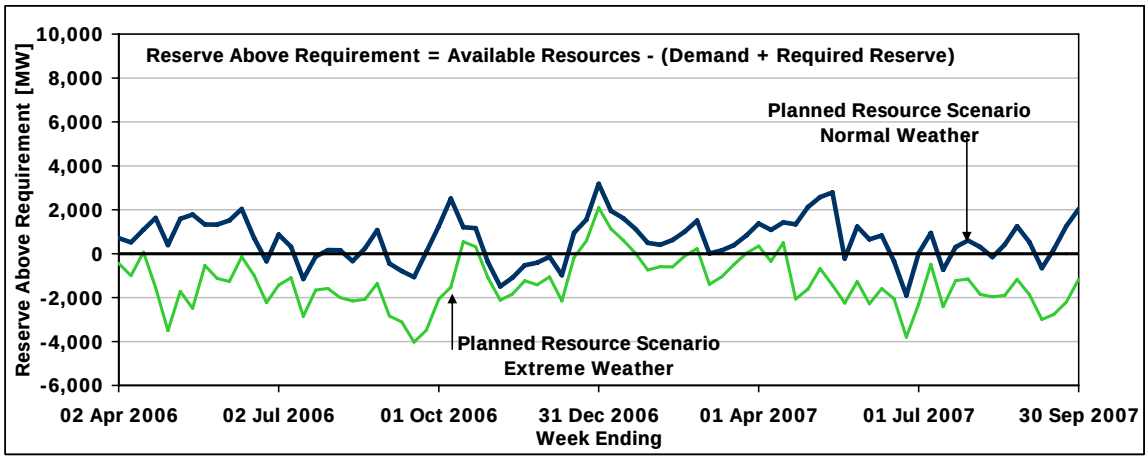
With respect to forecasts of generation capabilities, the assumptions are as follows:

- Hydroelectric capability based on median historical values of hydroelectric production and contribution to operating reserve during peak demand hours
- Capacity and energy contributions from thermal generators based on market participants submissions, including planned outages, expected forced outage rates and seasonal deratings
- Capacity at the time of peak and total energy contributions from wind-powered generation assumed to be 10% and 30%, respectively

Weekly Adequacy Assessments

Reserve Above Requirement levels, which represent the difference between Available Resources and Required Resources, are shown in Figure 4.1.

Figure 4.1 Reserve Above Requirement: Planned Resource Scenario – Normal vs. Extreme Weather



4.2 Existing Resource Scenarios with Normal and Extreme Weather

Resource Assumptions

The Existing Resource Scenario assumes quantities of price-responsive demand and generation capacity based on existing resources and capacity increases to the existing generation facilities. This includes:

- Existing Installed Resources: total capacity of 30,766 MW(refer to Table 4.1)
    - Assumed to be in-service for the entire duration of the study period, except for periods of time that the generator owner/operator has submitted planned outages for their generating units.
- Capacity increases to the existing facilities expected to be in-service within the 18-month study period (refer to Table 4.2)

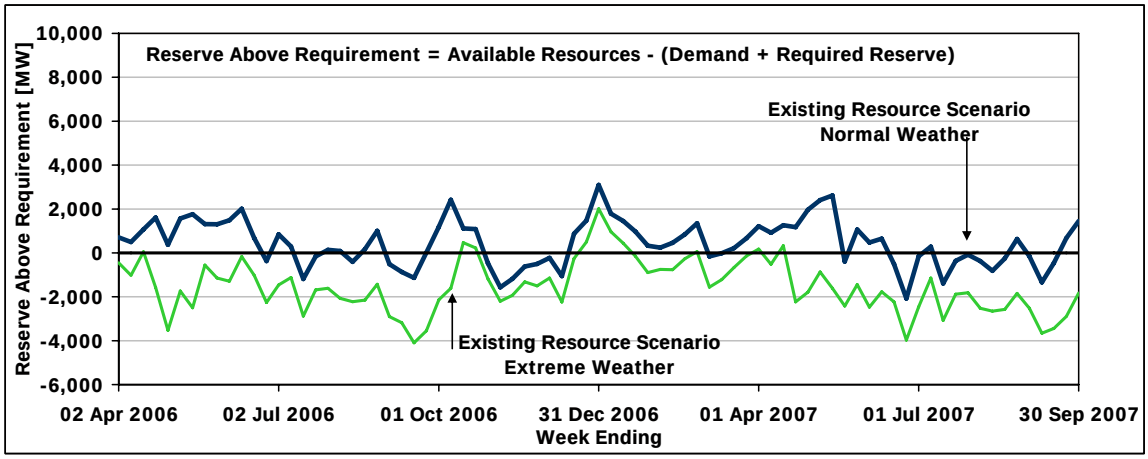
- Price-responsive demand forecast:
    - 358 MW of price-responsive demand capability up until March 2007 and 332 MW thereafter.

With respect to forecasts of generation capabilities, the existing resource scenario is based on the same assumptions as the planned resource scenario.

Weekly Adequacy Assessments

Reserve Above Requirement levels, which represent the difference between Available Resources and Required Resources, are shown in Figure 4.2.

Figure 4.2 Reserve Above Requirement: Existing Resource Scenario – Normal vs. Extreme Weather



4.3 Comparison of Resource Scenarios

Table 4.4 shows a snapshot of the forecast available resources, under the two scenarios, at the time of the seasonal peak demands over the study period. The installed resources in Table 4.4 start with the values listed in Table 4.1. The installed resources in Table 4.4 increase over the study timeframe, due to some increases in the forecast net installed capacity of existing generation facilities. For the Planned Resource Scenario only, resources are also increased by the generation additions listed in Table 4.2. The total reductions to resources include generator deratings, generator planned outages under each resource scenario, capacity limitations due to transmission interface constraints and allowances for hydroelectric generation production below rated capacity. The total reductions were subtracted and the price-responsive demand was added to the total resources, to obtain the available resources. In this Outlook, price-responsive demand ranges from 363 MW to a maximum of 466 MW under the Planned Resource Scenario, as shown in Table 4.4.

The monthly forecast of energy production capability, as provided by market participants, is included in Appendix A, Table A6.

Table 4.4 Summary of Available Resources

Notes	Description \ Year	Summer Peak 2006		Winter Peak 2007		Summer Peak 2007	
		Existing Resource Scenario	Planned Resource Scenario	Existing Resource Scenario	Planned Resource Scenario	Existing Resource Scenario	Planned Resource Scenario
1	Installed Resources (MW)	30,766	30,972	30,799	31,305	30,799	31,977
2	Imports (MW)	0	0	0	0	0	0
3	Total Resources (MW)	30,766	30,972	30,799	31,305	30,799	31,977
4	Total Reductions in Resources (MW)	2,714	2,900	1,916	2,372	2,625	3,250
5	Price-responsive Demand (MW)	358	363	358	466	332	435
6	Available Resources (MW)	28,410	28,435	29,241	29,399	28,506	29,162

Notes to Table 4.4:

1. Installed Resources (MW): This is the total capacity of the generation resources in Ontario assumed to be installed at the time of the summer and winter peaks in the 18 month time span. Initially, this value includes all generators registered to participate in the IESO-administered markets at the beginning of the 18 month study period. It also reflects any minor unit re-ratings resulting from equipment changes that may have been completed prior to the publication of this Outlook. Two of the four Pickering A nuclear units are included in the existing installed generation resources. Additional generation capacity that was assumed under the applicable resource scenario is progressively included, according to the estimated in-service dates.

2. Imports (MW): Represents the amount of external capacity considered to be delivered to Ontario.

3. Total Resources (MW): This is the sum of Installed Resources (line 1) and Imports (line 2).

4. Total Reductions in Resources (MW): These reductions represent, under each of the two scenarios, the sum of generator deratings, generator planned outages under each resource scenario, generation limitations due to transmission interface constraints and allowances for hydroelectric generation production below rated capacity.

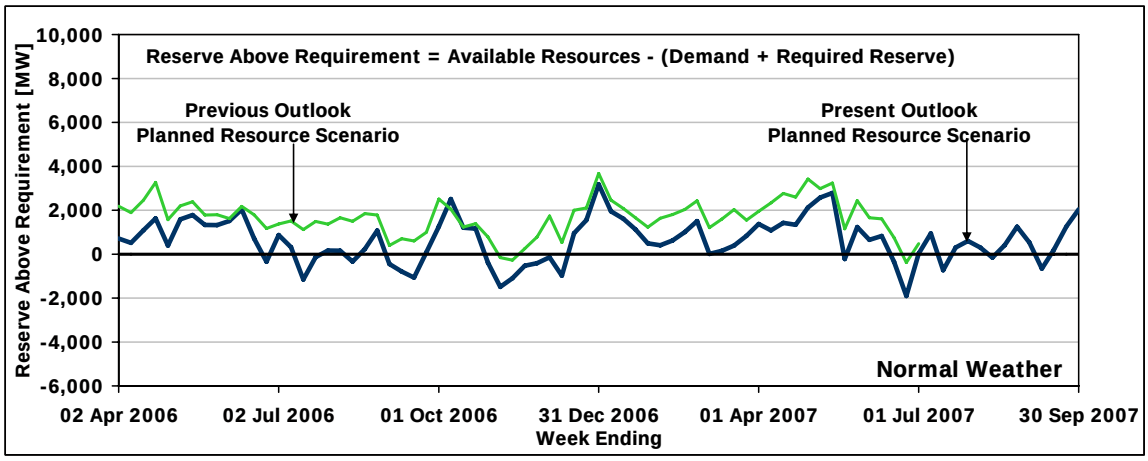
5. Price-responsive Demand: This is the amount of demand which is assumed to respond to changes in the market clearing price by reducing consumption, under each resource scenario.

6. Available Resources (MW): This equals Total Resources (line 3) minus Total Reductions in Resources (line 4) plus Price-responsive Demand (line 5).

Weekly Adequacy Assessments

Figures 4.3 provides a comparison between the forecast Reserve Above Requirement values in the present Outlook and the forecast Reserve Above Requirement values in the previous Outlook published on December 22, 2005. The combined changes in the methodologies for forecasting demand and hydroelectric capability yield lower Reserve Above Requirement values when compared to the previous 18-Month Outlook.

Figure 4.3 Reserve Above Requirement: Planned Resource Scenario vs. Previous Planned Resource Scenario



4.4 Resource Adequacy Risks

The forecast reserve levels for both the Planned Resource Scenario and the Existing Resource Scenario should be assessed bearing in mind the following risk factors:

- Extreme weather;
- New resource risks, i.e. delays to new generation and new price-responsive demand in-service dates;
- Extensions to generator planned outages;
- Higher than forecast generator unavailability;
- Lower than forecast hydroelectric resources;
- Capacity limitations;
- Transmission constraints on resource utilization; and
- Failure of import transactions.

For a more detailed discussion of the risk factors associated with the resource and transmission adequacy assessments, refer to the previous 18-month Outlook titled "An Assessment of the Reliability of the Ontario Electricity System from January 2006 to June 2007", published on December 22, 2005.

4.5 Hourly Resource Allocation Analysis

To better assess potential future energy constraints, an hour by hour resource allocation analysis is performed. To undertake this analysis, an hourly Ontario demand forecast, for a weekly period was developed, assuming that Ontario experiences a repeat of a challenging weather pattern from history.

An allocation of resources to meet the hour by hour demand is then estimated based on a combination of actual hourly historic patterns, and any appropriate adjustments.

The allocation process provides an estimate of the extent to which the future challenging demand profiles present resource adequacy concerns.

The winter analysis indicates that if Ontario were to experience the challenging weather of 1982 in the second week in January 2007, the resulting demand will be met based on forecast conditions. Actual reliability could be impacted if gas-fired self scheduled generators choose to contribute less towards meeting the energy demand.

The summer analysis indicates that if Ontario were to experience the challenging weather of 1973, in the second week of August 2006, the resulting demand would be even harder to meet than in the summer of 2005. The outcome depends on the amount of hydroelectric energy that is available and the allocation profile of hydroelectric resources that are assumed and will also depend on the extent to which imports are available and utilized.

It is expected that initiatives that are now underway, including the changes to treatment of intertie failures and the introduction of the day ahead commitment process will improve Ontario's ability to manage reliability challenges for the summer of 2006. Additional resources that improve the ability to manage weekly peak hours also improve the ability to manage sustained high demand periods for each hour of a challenging weekly period.

- End of Section -

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5.0 Transmission Reliability Assessment

This section provides an assessment of the reliability of the Ontario transmission system.

5.1 Transmission Projects

Planned transmission projects, that are identified by transmitters and that have a significant impact and that have an estimated in-service date within the 18 month period under study are listed in Appendix B by transmission zone. These transmission projects do not include all transmission projects submitted to the IESO for Connection Assessments and Approval. Only those projects that are considered significant are included. To make cross referencing easier, the CAA-ID number of each project has been included where available. In general, the work listed represents some or all of the work associated with the CAA-ID.

Additional information regarding each of the transmission projects in the CAA queue can be found at the IESO's Connection Assessments web-page, at the following location: http://www.ieso.ca/imoweb/connAssess/ca.asp.

5.2 Planned Transmission Outages

A principal purpose of the transmission reliability assessment is to forecast any reduction in transmission capacity brought about by specific transmission outages. For a major transmission interface or interconnection, the reduction in transmission capacity due to an outage condition can be expressed as a change in the base flow limit associated with the interface or interconnection. Another purpose of the transmission reliability assessment is to identify the possibility of any security-related events on the IESO-controlled grid that could require contingency planning by market participants or by the IESO. As a result, the transmission outages are reviewed to identify transmission system reliability concerns and to highlight those outages that should be rescheduled or changed. As an example, a change to an outage may include reducing the scheduled duration or recall time.

The assessment of transmission outages will also identify any resources that are forecast to be constrained due to transmission outage conditions. The identification of a constrained resource is generally not reflected in the assessment of weekly resource adequacy, which is detailed in Section 4.1, since there is typically sufficient outage scheduling flexibility to avoid constraining off resources when such resources are needed for reliability. Transmitters and generators are expected to have a mutual interest in developing an ongoing arrangement to coordinate their outage planning activities. Transmission outages that may affect generation access to the IESO-controlled grid should be coordinated with the generator operators involved, especially at times when the forecast of reserve is deficient. Under the Market Rules, where the scheduling of planned outages by different market participants conflicts such that both or all outages cannot be approved by the IESO, the IESO will inform the affected market participants and request that they resolve the conflict. If the conflict remains unresolved, the IESO will determine which of the planned outages can be approved according to the priority of each planned outage as determined by the Market Rules detailed in Chapter 5, Sections 6.4.13 to 6.4.18.

For this Outlook, transmission outage plans submitted to the IESO's Integrated Outage Management System (IOMS) as of February 2006 were used.

The IESO's assessment of the impact of the transmission outage plans is shown in Appendix C, Tables C1 to C10. In these tables, each element is assessed individually by indicating the possible impacts and the reduction in transmission interface and/or interconnection limits. The methodology used to assess the transmission outage plans is described in the IESO document titled "Methodology to Perform Long Term Assessments" (IESO_REP_0266).

A few of the transmission outages planned within the timeframe of this Outlook are judged to have a material impact on the overall reliability of the IESO-controlled grid as indicated in Appendix C.

The assessment of transmission outages for this Outlook has been limited to those outages with a scheduled duration of greater than five days or to those outages associated with a project where at least one outage has a scheduled duration of greater than five days. The IESO recognizes that there are expected to be additional outage requirements and/or changes as time approaches the Outlook study period and that transmission capacity will be impacted by outages with a scheduled duration of five days or less. Prior to approving and releasing an outage, the IESO will reassess the outage for potential system impacts, taking into account all current and forecasted conditions.

The large number of system changes identified to be completed in the 10-Year Outlook and this 18-Month assessment will require a substantial number of planned outages to incorporate the new facilities. It is too early in the development of most of these plans to identify specific outage requirements. These will be identified in future Outlooks.

5.3 Adequacy of the Existing Transmission System

The Ontario transmission system is expected to be adequate to supply the coming summer's demand under the forecast conditions.

IESO Outlooks in 2005 identified various areas of the IESO-controlled grid where the projected extreme weather loading is expected to approach or exceed the capability of the transmission facilities in the planning period. In some cases this is expected to result in congestion of low-priced resources that must be replaced by higher priced resources, and will increase costs to market loads. In other, more critical cases, where the loading is projected to exceed the capability of the transmission facilities, there is an increased risk of load interruptions.

IESO has been working with Hydro One, to identify the highest priority transmission needs, and to ensure that those projects whose in-service dates are at risk are given as much priority as is practical, especially those addressing reliability needs for summer 2006. IESO has also been working closely with the Ontario Power Authority to specify the locations, timing and minimum generation requirements to satisfy reliability standards.

For summer 2006, the following areas of the grid are expected to be improved over last summer, and to provide an increased level of reliability.

5.3.1 City of Toronto and Western GTA

The ability to supply load in the Greater Toronto Area (GTA) was challenging in summer 2005. Transmission capability into the GTA has been enhanced with the addition of the second 500/230kV, 750 MVA auto-transformer at Parkway TS in the fall of 2005, a 240 Mvar shunt capacitor at Essa TS and the planned removal of deratings on 500/230 kV 750 MVA

autotransformer at Trafalgar TS. The restoration of the normal rating at Trafalgar is expected to provide sufficient capability at the station for the expected conditions.

An autotransformer at Cherrywood also has a significant derating, and currently is scheduled to be replaced in the fall of 2006. This schedule is considered acceptable given the current forecasts, and the availability of an additional Pickering unit over last summer.

5.3.2 Beck-Middleport-Hamilton/Burlington circuits (QFW)

Imports from New York were limited at times by transmission constraints internal to Ontario in summer 2005. These limitations are being addressed by augmenting the five existing 230 kV circuits between Niagara Falls and Hamilton that form the Queenston Flow West interface with a new 230 kV double circuit line between Allanburg TS and Middleport TS. This expansion project, together with improved 230 kV circuit ratings in the Burlington area will remove these internal restrictions. New York imports are expected to be limited by the ties to New York, with a net increase in import capability of about 350 MW.

5.3.3 St. Lawrence to Hinchinbrooke

Summer 2005 operation exhibited very heavy loading on the 230 kV circuits westward from St. Lawrence TS to Hinchinbrooke TS. An existing Special Protection System at St. Lawrence is planned to be enhanced and be available under peak load conditions to maximize simultaneous import capability from Hydro Quebec and New York. These changes, targeted for summer 2006 will increase Ontario's ability to import from New York.

5.3.4 Michigan Phase Angle Regulators

The phase angle regulators (PARs) are in-service on the Michigan Ontario interconnections but were operated at neutral tap position throughout the summer of 2005 because an agreement to operate the phase shifters to control flow has not been reached. High loop flows continue to be present through the Ontario System. Phase shifters have been installed by Hydro One in Ontario to mitigate the problems caused by the loop flows affecting Ontario's most heavily used interfaces. This equipment cannot be used as intended until IESO and MISO complete their operating agreement, which is being delayed by disputes involving Hydro One and the International Transmission Company.

The inability to regulate flows combined with lower than expected ratings on the equipment resulted in significant congestion of imports from the Michigan direction in 2005. Until the necessary agreements are in place, the PARs will only be operated off neutral tap to prevent a 5% voltage reduction in Ontario or Michigan, to prevent shedding firm load, and for testing. Without agreement to control flow, the congestion experienced in 2005 can be expected to re-occur in 2006. The interface capability can be temporarily increased if the PARs are bypassed, and this option is being considered by the IESO for the summer of 2006.

The maximum transfer capability over the Michigan-Ontario interface is achieved with four regulated tie lines in service, and it is IESO's goal to achieve that. Due to forced outages, however, the 230 kV circuit B3N (Scott Transformer Station x Bunce Creek, Michigan) and its in-line PAR are unavailable. There currently is no firm return-to-service date for the circuit and PAR. The outage of the B3N circuit alone, combined with reduced ratings on the ties at Lambton

and inability to regulate PAR's, does not materially change the Michigan to Ontario transfer capability but results in an incremental decrease to the Ontario to Michigan transfer capability of about 400 MW in both summer and winter.

- End of Section -

6.0 Conclusions

The following conclusions are based on the results of the assessment carried out for this Outlook.

Resource Adequacy

- Under the Planned Resource-Normal Weather Scenario, forecast reserves are generally sufficient for the study period. Reserves are forecast to be below requirements for twenty weeks of the Outlook timeframe. Where this situation occurs during summer peak conditions, it leads to a greater expectation of relying on external supply. During other periods where planned maintenance is the most significant contributor to lower reserves, some planned generator outages are at risk of cancellation by the IESO, for reliability reasons, depending on their priority and the resource adequacy situation at the time their approval is being sought. Opportunities will exist for additional planned generator maintenance and exports in the other weeks of the Outlook period where reserves exceed requirements.
- Under the Existing Resource-Normal Weather Scenario, the reserves are forecast to be below requirements for twenty-nine weeks of the Outlook timeframe. Extreme weather during the peak periods will result in significantly increased reliance on imports to supplement Ontario generation and higher potential for emergency operating procedures.
- Results of the resource adequacy assessment are summarized in the matrix below. The different shadings are intended to suggest the degree of concern regarding the supply/demand situation under each resource-weather scenario combination.

	Normal Weather Scenario	Extreme Weather Scenario
Planned Resource Scenario	- there are twenty weeks when reserves are lower than required (planned outages at risk or imports potentially required) - opportunities for additional outages/exports exist in most other weeks	- many planned outages at risk - imports required during some peak periods - higher risk of requiring emergency operating procedures up to and including rotational load shedding
Existing Resource Scenario	- there are twenty nine weeks when reserves are lower than required (planned outages at risk or imports potentially required) - opportunities for additional outages/exports exist in many other weeks	- many planned outages at risk - imports required during some peak periods - higher risk of requiring emergency operating procedures up to and including rotational load shedding

- The magnitude of resource deficiencies under extreme weather emphasizes the continued need for reliable supply and demand response within Ontario.
- For the 18 month period under study, the improved demand-supply situation for the Planned Resource Scenario is dependent on the additional generation and price-responsive demand coming into the market as forecast. Seven more of the ten new projects from the

recent Request for Proposals for Renewable generation, RES I, are expected to be available within the 18 month timeframe of this Outlook. Two of the ten projects are already in service.

- A number of large generating units are scheduled to return to service from outage prior to the summer 2006/2007 and winter 2007. Meeting these planned outage schedules is critical to maintaining adequate reserve levels over the peak seasons.
- High generator unavailability, whether caused by higher forced outage rates or delays in returning generators to service, could lead to greater reliance on imports. Under these circumstances, opportunities for planned outages, especially during the peak summer period, would be limited.
- Over the 18 month period under study, the Northeast Power Coordinating Council resource adequacy criterion is expected to be met.
- Extreme weather during peak periods places increased emphasis on reliable Ontario resources and energy imported from neighbouring systems. To maximize the ability to respond to these peak period requirements the following actions are being implemented:

  Maximize the capability of existing resources:

  - Resolve generation dispatch issues (e.g. aggregation, frequency of dispatch)

  Increase the certainty of market mechanisms:

  - Allow imports to be scheduled day ahead like the markets surrounding Ontario
  - Commit units day ahead like the markets surrounding Ontario
  - Implement an Emergency Load Response Program like the markets surrounding Ontario

  IESO operations and planning:

  - Processes and criteria changes are mostly complete with the remainder under review. These changes will ensure forecast risks are adequately recognized and that appropriate standards are in place.

Transmission Adequacy

- The Ontario transmission system is expected to be adequate to supply the coming summer's demand under the forecast conditions.
- The ability to supply load in the Greater Toronto Area (GTA) was challenging in summer 2005. Transmission capability into the GTA has been enhanced with the addition of the second 500/230kV, 750 MVA auto-transformer at Parkway TS in the fall of 2005, a 240 Mvar shunt capacitor at Essa TS and the planned removal of deratings on 500/230 kV 750 MVA autotransformer at Trafalgar TS.
- Imports from New York were limited at times by transmission constraints internal to Ontario in summer 2005. These limitations are being addressed by augmenting the five existing 230 kV circuits between Niagara Falls and Hamilton that form the Queenston Flow West interface with a new 230 kV double circuit line between Allanburg TS and Middleport TS. This expansion project, together with improved 230 kV circuit ratings in the Burlington area will remove these internal restrictions. New York imports are expected to be limited by the

ties to New York, with a net increase in import capability of about 350 MW. In addition, an existing Special Protection System at St. Lawrence is planned to be enhanced and be available under peak load conditions to maximize simultaneous import capability from Hydro Quebec and New York. These changes, targeted for summer 2006 will increase Ontario's ability to import from New York.

- The phase angle regulators (PARs) are in-service on the Michigan Ontario interconnections but were operated at neutral tap position throughout the summer of 2005 because an agreement to operate the phase shifters to control flow has not been reached. High loop flows continue to be present through the Ontario System. Phase shifters have been installed by Hydro One in Ontario to mitigate the problems caused by the loop flows affecting Ontario's most heavily used interfaces. This equipment cannot be used as intended until IESO and MISO complete their operating agreement, which is being delayed by disputes involving Hydro One and the International Transmission Company. The inability to regulate flows combined with lower than expected ratings on the equipment resulted in significant congestion of imports from the Michigan direction in 2005. Until the necessary agreements are in place, the PARs will only be operated off neutral tap to prevent a 5% voltage reduction in Ontario or Michigan, to prevent shedding firm load, and for testing. Without agreement to control flow, the congestion experienced in 2005 can be expected to re-occur in 2006. The interface capability can be temporarily increased if the PARs are bypassed, and this option is being considered by the IESO for the summer of 2006..
- The maximum transfer capability over the Michigan-Ontario interface is achieved with four regulated tie lines in service, and it is IESO's goal to achieve that. Due to forced outages, however, the 230 kV circuit B3N (Scott Transformer Station x Bunce Creek, Michigan) and its in-line PAR are unavailable. There currently is no firm return-to-service date for the circuit and PAR. The outage of the B3N circuit alone, combined with reduced ratings on the ties at Lambton and inability to regulate PAR's, does not materially change the Michigan to Ontario transfer capability but results in an incremental decrease to the Ontario to Michigan transfer capability of about 400 MW in both summer and winter.

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Appendix A Resource Adequacy Assessment Details

Table A1 Assessment of Resource Adequacy: Normal Weather, Existing Resource Scenario

Week Ending Day	Total Resources MW	Total Reductions in Resources MW	Price-responsive Demand MW	Available Resources MW	Required Resources MW	Available Reserve %	Available Reserve MW	Required Reserve %	Required Reserve MW	Reserve Above Requirement MW
02-Apr-06	30,766	6,038	358	25,086	24,379	18.7	3,960	15.4	3,253	707
09-Apr-06	30,766	6,506	358	24,618	24,127	17.5	3,661	15.1	3,170	491
16-Apr-06	30,766	6,394	358	24,730	23,657	20.7	4,234	15.4	3,161	1,073
23-Apr-06	30,766	5,996	358	25,128	23,513	23.7	4,813	15.7	3,198	1,615
30-Apr-06	30,766	7,940	358	23,184	22,813	16.1	3,216	14.3	2,845	371
07-May-06	30,766	6,550	358	24,574	23,002	23.8	4,719	15.9	3,147	1,572
14-May-06	30,766	6,592	358	24,532	22,767	24.8	4,869	15.8	3,104	1,765
21-May-06	30,766	5,125	358	25,999	24,686	22.6	4,793	16.4	3,480	1,313
28-May-06	30,766	4,915	358	26,209	24,905	23.2	4,934	17.1	3,630	1,304
04-Jun-06	30,766	4,388	358	26,736	25,250	23.0	4,993	16.1	3,507	1,486
11-Jun-06	30,766	3,407	358	27,717	25,704	25.3	5,592	16.2	3,579	2,013
18-Jun-06	30,766	3,399	358	27,725	27,048	17.9	4,203	15.0	3,526	677
25-Jun-06	30,766	2,857	358	28,267	28,639	14.7	3,612	16.2	3,984	-372
02-Jul-06	30,766	2,657	358	28,467	27,621	18.4	4,433	14.9	3,587	846
09-Jul-06	30,766	2,714	358	28,410	28,119	16.0	3,920	14.8	3,629	291
16-Jul-06	30,766	2,714	358	28,410	29,597	11.4	2,908	16.1	4,095	-1,187
23-Jul-06	30,766	2,503	358	28,621	28,779	14.8	3,693	15.5	3,851	-158
30-Jul-06	30,766	2,543	358	28,581	28,439	15.8	3,909	15.3	3,767	142
06-Aug-06	30,783	2,772	358	28,369	28,283	15.7	3,839	15.3	3,753	86
13-Aug-06	30,783	2,804	358	28,337	28,742	13.8	3,432	15.4	3,837	-405
20-Aug-06	30,783	2,809	358	28,332	28,165	15.9	3,892	15.2	3,725	167
27-Aug-06	30,783	2,804	358	28,337	27,329	19.3	4,587	15.1	3,579	1,008
03-Sep-06	30,783	4,094	358	27,047	27,562	12.9	3,081	15.0	3,596	-515
10-Sep-06	30,783	4,569	358	26,572	27,432	12.3	2,907	15.9	3,767	-860
17-Sep-06	30,783	6,029	358	25,112	26,251	10.7	2,419	15.7	3,558	-1,139
24-Sep-06	30,783	6,029	358	25,112	25,090	16.6	3,576	16.5	3,554	22
01-Oct-06	30,783	6,029	358	25,112	23,925	23.6	4,788	17.7	3,601	1,187
08-Oct-06	30,783	5,213	358	25,928	23,501	28.2	5,701	16.2	3,274	2,427
15-Oct-06	30,783	6,719	358	24,422	23,299	19.7	4,024	14.2	2,901	1,123
22-Oct-06	30,783	6,203	358	24,938	23,857	19.5	4,064	14.3	2,983	1,081
29-Oct-06	30,783	7,122	358	24,019	24,492	13.2	2,806	15.5	3,279	-473
05-Nov-06	30,799	7,568	358	23,589	25,161	8.0	1,741	15.2	3,313	-1,572
12-Nov-06	30,799	6,998	358	24,159	25,338	9.3	2,058	14.7	3,237	-1,179
19-Nov-06	30,799	5,716	358	25,441	26,057	11.5	2,630	14.2	3,246	-616
26-Nov-06	30,799	5,042	358	26,115	26,619	12.2	2,834	14.3	3,338	-504
03-Dec-06	30,799	5,001	358	26,156	26,387	12.4	2,890	13.4	3,121	-231
10-Dec-06	30,799	4,873	358	26,284	27,344	9.6	2,292	14.0	3,352	-1,060
17-Dec-06	30,799	2,955	358	28,202	27,332	17.2	4,134	13.6	3,264	870
24-Dec-06	30,799	1,965	358	29,192	27,724	20.0	4,857	13.9	3,389	1,468

Note: The reader should be aware that Security and Adequacy Assessments are published on the IESO web site on a weekly and daily basis that progressively supersede information presented in this report.

(Table A1 continued)

Week Ending Day	Total Resources MW	Total Reductions in Resources MW	Price-responsive Demand MW	Available Resources MW	Required Resources MW	Available Reserve %	Available Reserve MW	Required Reserve %	Required Reserve MW	Reserve Above Requirement MW
31-Dec-06	30,799	1,965	358	29,192	26,090	28.7	6,517	15.1	3,415	3,102
07-Jan-07	30,799	1,916	358	29,241	27,453	21.2	5,117	13.8	3,329	1,788
14-Jan-07	30,799	1,916	358	29,241	27,791	19.5	4,767	13.6	3,317	1,450
21-Jan-07	30,799	1,916	358	29,241	28,274	17.5	4,344	13.6	3,377	967
28-Jan-07	30,799	2,743	358	28,414	28,088	15.3	3,766	14.0	3,440	326
04-Feb-07	30,799	2,951	358	28,206	27,972	15.0	3,680	14.1	3,446	234
11-Feb-07	30,799	2,939	358	28,218	27,756	15.7	3,837	13.8	3,375	462
18-Feb-07	30,799	2,939	358	28,218	27,368	17.4	4,171	13.8	3,321	850
25-Feb-07	30,799	2,939	358	28,218	26,867	19.4	4,587	13.7	3,236	1,351
04-Mar-07	30,799	4,606	358	26,551	26,711	13.7	3,189	14.3	3,349	-160
11-Mar-07	30,799	4,606	358	26,551	26,569	14.3	3,321	14.4	3,339	-18
18-Mar-07	30,799	5,504	358	25,653	25,437	15.7	3,477	14.7	3,261	216
25-Mar-07	30,799	5,504	358	25,653	24,982	17.5	3,816	14.4	3,145	671
01-Apr-07	30,799	5,504	358	25,653	24,440	21.3	4,500	15.5	3,287	1,213
08-Apr-07	30,799	5,684	332	25,447	24,533	19.9	4,231	15.6	3,317	914
15-Apr-07	30,799	5,705	332	25,426	24,165	22.5	4,669	16.4	3,408	1,261
22-Apr-07	30,799	6,180	332	24,951	23,778	21.2	4,367	15.5	3,194	1,173
29-Apr-07	30,799	5,859	332	25,272	23,311	24.6	4,991	14.9	3,030	1,961
06-May-07	30,799	5,476	332	25,655	23,247	27.5	5,531	15.5	3,123	2,408
13-May-07	30,799	5,443	332	25,688	23,067	28.6	5,706	15.4	3,085	2,621
20-May-07	30,799	6,898	332	24,233	24,628	12.3	2,662	14.2	3,057	-395
27-May-07	30,799	4,938	332	26,193	25,125	21.0	4,551	16.1	3,483	1,068
03-Jun-07	30,799	5,200	332	25,931	25,451	17.3	3,822	15.1	3,342	480
10-Jun-07	30,799	4,717	332	26,414	25,762	17.5	3,929	14.6	3,277	652
17-Jun-07	30,799	4,306	332	26,825	27,340	12.3	2,942	14.5	3,457	-515
24-Jun-07	30,799	4,360	332	26,771	28,854	7.3	1,821	15.7	3,904	-2,083
01-Jul-07	30,799	3,191	332	27,940	28,088	13.7	3,369	14.3	3,517	-148
08-Jul-07	30,799	2,625	332	28,506	28,227	15.5	3,829	14.4	3,550	279
15-Jul-07	30,799	2,625	332	28,506	29,902	10.2	2,648	15.6	4,044	-1,396
22-Jul-07	30,799	2,414	332	28,717	29,077	13.6	3,433	15.0	3,793	-360
29-Jul-07	30,799	2,454	332	28,677	28,754	14.6	3,649	14.9	3,726	-77
05-Aug-07	30,816	2,907	332	28,241	28,608	13.5	3,356	15.0	3,723	-367
12-Aug-07	30,816	2,907	332	28,241	29,061	11.8	2,982	15.1	3,802	-820
19-Aug-07	30,816	2,912	332	28,236	28,491	13.9	3,442	14.9	3,697	-255
26-Aug-07	30,816	2,907	332	28,241	27,605	17.2	4,143	14.6	3,507	636
02-Sep-07	30,816	3,432	332	27,716	27,862	13.9	3,388	14.5	3,534	-146
09-Sep-07	30,816	4,679	332	26,469	27,805	10.2	2,440	15.7	3,776	-1,336
16-Sep-07	30,816	5,154	332	25,994	26,450	12.8	2,939	14.7	3,395	-456
23-Sep-07	30,816	5,154	332	25,994	25,317	18.7	4,098	15.6	3,421	677
30-Sep-07	30,816	5,670	332	25,478	24,023	23.5	4,853	16.5	3,398	1,455

Table A2 Assessment of Resource Adequacy: Normal Weather, Planned Resource Scenario

Week Ending Day	Total Resources MW	Total Reductions in Resources MW	Price-responsive Demand MW	Available Resources MW	Required Resources MW	Available Reserve %	Available Reserve MW	Required Reserve %	Required Reserve MW	Reserve Above Requirement MW
02-Apr-06	30,766	6,038	363	25,091	24,379	18.8	3,965	15.4	3,253	712
09-Apr-06	30,873	6,602	363	24,634	24,126	17.6	3,677	15.1	3,169	508
16-Apr-06	30,873	6,490	363	24,746	23,657	20.7	4,250	15.4	3,161	1,089
23-Apr-06	30,873	6,092	363	25,144	23,513	23.8	4,829	15.7	3,198	1,631
30-Apr-06	30,873	8,036	363	23,200	22,812	16.2	3,232	14.2	2,844	388
07-May-06	30,873	6,646	363	24,590	23,002	23.9	4,735	15.9	3,147	1,588
14-May-06	30,873	6,688	363	24,548	22,767	24.8	4,885	15.8	3,104	1,781
21-May-06	30,873	5,221	363	26,015	24,686	22.7	4,809	16.4	3,480	1,329
28-May-06	30,873	5,011	363	26,225	24,905	23.3	4,950	17.1	3,630	1,320
04-Jun-06	30,873	4,474	363	26,762	25,250	23.1	5,019	16.1	3,507	1,512
11-Jun-06	30,972	3,592	363	27,743	25,704	25.4	5,618	16.2	3,579	2,039
18-Jun-06	30,972	3,584	363	27,751	27,045	18.0	4,229	15.0	3,523	706
25-Jun-06	30,972	3,042	363	28,293	28,635	14.8	3,638	16.1	3,980	-342
02-Jul-06	30,972	2,842	363	28,493	27,619	18.6	4,459	14.9	3,585	874
09-Jul-06	30,972	2,900	363	28,435	28,116	16.1	3,945	14.8	3,626	319
16-Jul-06	30,972	2,900	363	28,435	29,593	11.5	2,933	16.0	4,091	-1,158
23-Jul-06	30,972	2,689	363	28,646	28,775	14.9	3,718	15.4	3,847	-129
30-Jul-06	30,974	2,730	363	28,607	28,436	16.0	3,935	15.3	3,764	171
06-Aug-06	30,991	2,959	403	28,435	28,279	15.9	3,905	15.3	3,749	156
13-Aug-06	30,991	2,991	403	28,403	28,740	14.1	3,498	15.4	3,835	-337
20-Aug-06	30,991	2,996	403	28,398	28,161	16.2	3,958	15.2	3,721	237
27-Aug-06	30,991	2,991	403	28,403	27,329	19.6	4,653	15.1	3,579	1,074
03-Sep-06	30,991	4,281	403	27,113	27,559	13.1	3,147	15.0	3,593	-446
10-Sep-06	30,991	4,756	403	26,638	27,429	12.6	2,973	15.9	3,764	-791
17-Sep-06	30,991	6,216	403	25,178	26,247	11.0	2,485	15.7	3,554	-1,069
24-Sep-06	30,991	6,216	403	25,178	25,087	16.9	3,642	16.5	3,551	91
01-Oct-06	30,991	6,216	409	25,183	23,925	23.9	4,859	17.7	3,601	1,258
08-Oct-06	31,090	5,489	409	26,009	23,501	28.6	5,782	16.2	3,274	2,508
15-Oct-06	31,090	6,995	409	24,503	23,299	20.1	4,105	14.2	2,901	1,204
22-Oct-06	31,090	6,479	409	25,019	23,857	19.9	4,145	14.3	2,983	1,162
29-Oct-06	31,090	7,398	409	24,100	24,488	13.6	2,887	15.4	3,275	-388
05-Nov-06	31,106	7,844	409	23,670	25,157	8.3	1,822	15.2	3,309	-1,487
12-Nov-06	31,106	7,274	409	24,240	25,333	9.7	2,139	14.6	3,232	-1,093
19-Nov-06	31,106	5,992	409	25,522	26,052	11.9	2,711	14.2	3,241	-530
26-Nov-06	31,106	5,318	409	26,196	26,614	12.5	2,915	14.3	3,333	-418
03-Dec-06	31,106	5,277	409	26,237	26,382	12.8	2,971	13.4	3,116	-145
10-Dec-06	31,106	5,149	409	26,365	27,340	9.9	2,373	14.0	3,348	-975
17-Dec-06	31,106	3,231	409	28,283	27,328	17.5	4,215	13.5	3,260	955
24-Dec-06	31,106	2,241	409	29,273	27,724	20.3	4,938	13.9	3,389	1,549

Note: The reader should be aware that Security and Adequacy Assessments are published on the IESO web site on a weekly and daily basis that progressively supersede information presented in this report.

(Table A2 continued)

Week Ending Day	Total Resources MW	Total Reductions in Resources MW	Price-responsive Demand MW	Available Resources MW	Required Resources MW	Available Reserve %	Available Reserve MW	Required Reserve %	Required Reserve MW	Reserve Above Requirement MW
31-Dec-06	31,106	2,241	409	29,273	26,090	29.1	6,598	15.1	3,415	3,183
07-Jan-07	31,305	2,372	466	29,399	27,453	21.9	5,275	13.8	3,329	1,946
14-Jan-07	31,305	2,372	466	29,399	27,791	20.1	4,925	13.6	3,317	1,608
21-Jan-07	31,305	2,372	466	29,399	28,267	18.1	4,502	13.5	3,370	1,132
28-Jan-07	31,305	3,199	466	28,572	28,079	15.9	3,924	13.9	3,431	493
04-Feb-07	31,305	3,407	466	28,364	27,962	15.7	3,838	14.0	3,436	402
11-Feb-07	31,310	3,400	466	28,376	27,747	16.4	3,995	13.8	3,366	629
18-Feb-07	31,310	3,400	466	28,376	27,361	18.0	4,329	13.8	3,314	1,015
25-Feb-07	31,310	3,400	466	28,376	26,867	20.1	4,745	13.7	3,236	1,509
04-Mar-07	31,310	5,066	466	26,710	26,705	14.3	3,348	14.3	3,343	5
11-Mar-07	31,310	5,066	466	26,710	26,558	15.0	3,480	14.3	3,328	152
18-Mar-07	31,310	5,964	466	25,812	25,428	16.4	3,636	14.7	3,252	384
25-Mar-07	31,310	5,964	466	25,812	24,976	18.2	3,975	14.4	3,139	836
01-Apr-07	31,310	5,964	466	25,812	24,440	22.0	4,659	15.5	3,287	1,372
08-Apr-07	31,442	6,264	435	25,613	24,533	20.7	4,397	15.6	3,317	1,080
15-Apr-07	31,442	6,285	435	25,592	24,165	23.3	4,835	16.4	3,408	1,427
22-Apr-07	31,442	6,760	435	25,117	23,778	22.0	4,533	15.5	3,194	1,339
29-Apr-07	31,442	6,439	435	25,438	23,311	25.4	5,157	14.9	3,030	2,127
06-May-07	31,442	6,056	435	25,821	23,247	28.3	5,697	15.5	3,123	2,574
13-May-07	31,442	6,023	435	25,854	23,067	29.4	5,872	15.4	3,085	2,787
20-May-07	31,442	7,478	435	24,399	24,620	13.1	2,828	14.1	3,049	-221
27-May-07	31,442	5,518	435	26,359	25,125	21.8	4,717	16.1	3,483	1,234
03-Jun-07	31,442	5,780	435	26,097	25,443	18.0	3,988	15.1	3,334	654
10-Jun-07	31,442	5,297	435	26,580	25,755	18.2	4,095	14.5	3,270	825
17-Jun-07	31,442	4,886	435	26,991	27,331	13.0	3,108	14.4	3,448	-340
24-Jun-07	31,442	4,940	435	26,937	28,844	8.0	1,987	15.6	3,894	-1,907
01-Jul-07	31,442	3,771	435	28,106	28,081	14.4	3,535	14.3	3,510	25
08-Jul-07	31,977	3,250	435	29,162	28,221	18.2	4,485	14.4	3,544	941
15-Jul-07	31,977	3,250	435	29,162	29,893	12.8	3,304	15.6	4,035	-731
22-Jul-07	31,977	3,039	435	29,373	29,071	16.2	4,089	15.0	3,787	302
29-Jul-07	31,977	3,079	435	29,333	28,737	17.2	4,305	14.8	3,709	596
05-Aug-07	31,994	3,531	435	28,898	28,600	16.1	4,013	14.9	3,715	298
12-Aug-07	31,994	3,531	435	28,898	29,059	14.4	3,639	15.0	3,800	-161
19-Aug-07	31,994	3,536	435	28,893	28,478	16.5	4,099	14.9	3,684	415
26-Aug-07	31,994	3,531	435	28,898	27,645	19.9	4,800	14.7	3,547	1,253
02-Sep-07	31,994	4,056	435	28,373	27,845	16.6	4,045	14.5	3,517	528
09-Sep-07	31,994	5,303	435	27,126	27,790	12.9	3,097	15.7	3,761	-664
16-Sep-07	31,994	5,778	435	26,651	26,444	15.6	3,596	14.7	3,389	207
23-Sep-07	31,994	5,778	435	26,651	25,392	21.7	4,755	16.0	3,496	1,259
30-Sep-07	31,994	6,294	435	26,135	24,098	26.7	5,510	16.8	3,473	2,037

Table A3 Demand Forecast Range For Required Resources Calculation

Week Ending Day	Ontario Demand Normal Weather MW	Ontario Demand Extreme Weather MW
02-Apr-06	21,126	22,320
09-Apr-06	20,957	22,448
16-Apr-06	20,496	21,661
23-Apr-06	20,315	23,330
30-Apr-06	19,968	23,314
07-May-06	19,855	23,035
14-May-06	19,663	23,631
21-May-06	21,206	23,253
28-May-06	21,275	23,931
04-Jun-06	21,743	24,714
11-Jun-06	22,125	24,543
18-Jun-06	23,522	25,263
25-Jun-06	24,655	26,773
02-Jul-06	24,034	26,258
09-Jul-06	24,490	25,928
16-Jul-06	25,502	27,379
23-Jul-06	24,928	26,580
30-Jul-06	24,672	26,492
06-Aug-06	24,530	26,661
13-Aug-06	24,905	26,761
20-Aug-06	24,440	26,696
27-Aug-06	23,750	26,100
03-Sep-06	23,966	26,216
10-Sep-06	23,665	26,118
17-Sep-06	22,693	25,539
24-Sep-06	21,536	25,079
01-Oct-06	20,324	23,758
08-Oct-06	20,227	24,058
15-Oct-06	20,398	21,070
22-Oct-06	20,874	21,721
29-Oct-06	21,213	21,970
05-Nov-06	21,848	22,539
12-Nov-06	22,101	22,864
19-Nov-06	22,811	23,429
26-Nov-06	23,281	24,188
03-Dec-06	23,266	24,090
10-Dec-06	23,992	25,077
17-Dec-06	24,068	25,105
24-Dec-06	24,335	25,295
31-Dec-06	22,675	23,904

Week Ending Day	Ontario Demand Normal Weather MW	Ontario Demand Extreme Weather MW
07-Jan-07	24,124	25,049
14-Jan-07	24,474	25,458
21-Jan-07	24,897	25,963
28-Jan-07	24,648	25,815
04-Feb-07	24,526	25,483
11-Feb-07	24,381	25,504
18-Feb-07	24,047	25,097
25-Feb-07	23,631	24,830
04-Mar-07	23,362	24,616
11-Mar-07	23,230	24,328
18-Mar-07	22,176	23,023
25-Mar-07	21,837	22,592
01-Apr-07	21,153	22,334
08-Apr-07	21,216	22,709
15-Apr-07	20,757	21,922
22-Apr-07	20,584	23,697
29-Apr-07	20,281	23,680
06-May-07	20,124	23,348
13-May-07	19,982	24,004
20-May-07	21,571	23,618
27-May-07	21,642	24,296
03-Jun-07	22,109	25,078
10-Jun-07	22,485	24,903
17-Jun-07	23,883	25,623
24-Jun-07	24,950	27,068
01-Jul-07	24,571	26,795
08-Jul-07	24,677	26,114
15-Jul-07	25,858	27,736
22-Jul-07	25,284	26,936
29-Jul-07	25,028	26,848
05-Aug-07	24,885	27,015
12-Aug-07	25,259	27,116
19-Aug-07	24,794	27,051
26-Aug-07	24,098	26,448
02-Sep-07	24,328	26,579
09-Sep-07	24,029	26,482
16-Sep-07	23,055	25,902
23-Sep-07	21,896	25,441
30-Sep-07	20,625	24,118

Table A4 Assessment of Resource Adequacy: Extreme Weather, Existing Resource Scenario

Week Ending Day	Total Resources MW	Total Reductions in Resources MW	Price-responsive Demand MW	Available Resources MW	Required Resources MW	Available Reserve %	Available Reserve MW	Required Reserve %	Required Reserve MW	Reserve Above Requirement MW
02-Apr-06	30,766	6,038	358	25,086	25,535	12.4	2,766	14.4	3,215	-449
09-Apr-06	30,766	6,506	358	24,618	25,637	9.7	2,170	14.2	3,189	-1,019
16-Apr-06	30,766	6,394	358	24,730	24,676	14.2	3,069	13.9	3,015	54
23-Apr-06	30,766	5,996	358	25,128	26,701	7.7	1,798	14.5	3,371	-1,573
30-Apr-06	30,766	7,940	358	23,184	26,704	-0.6	-130	14.5	3,390	-3,520
07-May-06	30,766	6,550	358	24,574	26,307	6.7	1,539	14.2	3,272	-1,733
14-May-06	30,766	6,592	358	24,532	27,032	3.8	901	14.4	3,401	-2,500
21-May-06	30,766	5,125	358	25,999	26,557	11.8	2,746	14.2	3,304	-558
28-May-06	30,766	4,915	358	26,209	27,355	9.5	2,278	14.3	3,424	-1,146
04-Jun-06	30,766	4,388	358	26,736	28,022	8.2	2,022	13.4	3,308	-1,286
11-Jun-06	30,766	3,407	358	27,717	27,884	12.9	3,174	13.6	3,341	-167
18-Jun-06	30,766	3,399	358	27,725	28,745	9.8	2,462	13.8	3,482	-1,020
25-Jun-06	30,766	2,857	358	28,267	30,526	5.6	1,494	14.0	3,753	-2,259
02-Jul-06	30,766	2,657	358	28,467	29,922	8.4	2,209	14.0	3,664	-1,455
09-Jul-06	30,766	2,714	358	28,410	29,533	9.6	2,482	13.9	3,605	-1,123
16-Jul-06	30,766	2,714	358	28,410	31,288	3.8	1,031	14.3	3,909	-2,878
23-Jul-06	30,766	2,503	358	28,621	30,302	7.7	2,041	14.0	3,722	-1,681
30-Jul-06	30,766	2,543	358	28,581	30,193	7.9	2,089	14.0	3,701	-1,612
06-Aug-06	30,783	2,772	358	28,369	30,437	6.4	1,708	14.2	3,776	-2,068
13-Aug-06	30,783	2,804	358	28,337	30,556	5.9	1,576	14.2	3,795	-2,219
20-Aug-06	30,783	2,809	358	28,332	30,480	6.1	1,636	14.2	3,784	-2,148
27-Aug-06	30,783	2,804	358	28,337	29,762	8.6	2,237	14.0	3,662	-1,425
03-Sep-06	30,783	4,094	358	27,047	29,950	3.2	831	14.2	3,734	-2,903
10-Sep-06	30,783	4,569	358	26,572	29,752	1.7	454	13.9	3,634	-3,180
17-Sep-06	30,783	6,029	358	25,112	29,205	-1.7	-427	14.4	3,666	-4,093
24-Sep-06	30,783	6,029	358	25,112	28,667	0.1	33	14.3	3,588	-3,555
01-Oct-06	30,783	6,029	358	25,112	27,248	5.7	1,354	14.7	3,490	-2,136
08-Oct-06	30,783	5,213	358	25,928	27,541	7.8	1,870	14.5	3,483	-1,613
15-Oct-06	30,783	6,719	358	24,422	23,959	15.9	3,352	13.7	2,889	463
22-Oct-06	30,783	6,203	358	24,938	24,710	14.8	3,217	13.8	2,989	228
29-Oct-06	30,783	7,122	358	24,019	25,201	9.3	2,049	14.7	3,231	-1,182
05-Nov-06	30,799	7,568	358	23,589	25,792	4.7	1,050	14.4	3,253	-2,203
12-Nov-06	30,799	6,998	358	24,159	26,090	5.7	1,295	14.1	3,226	-1,931
19-Nov-06	30,799	5,716	358	25,441	26,762	8.6	2,012	14.2	3,333	-1,321
26-Nov-06	30,799	5,042	358	26,115	27,615	8.0	1,927	14.2	3,427	-1,500
03-Dec-06	30,799	5,001	358	26,156	27,302	8.6	2,066	13.3	3,212	-1,146
10-Dec-06	30,799	4,873	358	26,284	28,519	4.8	1,207	13.7	3,442	-2,235
17-Dec-06	30,799	2,955	358	28,202	28,457	12.3	3,097	13.4	3,352	-255
24-Dec-06	30,799	1,965	358	29,192	28,700	15.4	3,897	13.5	3,405	492

(Table A4 continued)

Week Ending Day	Total Resources MW	Total Reductions in Resources MW	Price-responsive Demand MW	Available Resources MW	Required Resources MW	Available Reserve %	Available Reserve MW	Required Reserve %	Required Reserve MW	Reserve Above Requirement MW
31-Dec-06	30,799	1,965	358	29,192	27,179	22.1	5,288	13.7	3,275	2,013
07-Jan-07	30,799	1,916	358	29,241	28,279	16.7	4,192	12.9	3,230	962
14-Jan-07	30,799	1,916	358	29,241	28,798	14.9	3,783	13.1	3,340	443
21-Jan-07	30,799	1,916	358	29,241	29,388	12.6	3,278	13.2	3,425	-147
28-Jan-07	30,799	2,743	358	28,414	29,313	10.1	2,599	13.6	3,498	-899
04-Feb-07	30,799	2,951	358	28,206	28,959	10.7	2,723	13.6	3,476	-753
11-Feb-07	30,799	2,939	358	28,218	28,982	10.6	2,714	13.6	3,478	-764
18-Feb-07	30,799	2,939	358	28,218	28,478	12.4	3,121	13.5	3,381	-260
25-Feb-07	30,799	2,939	358	28,218	28,158	13.6	3,388	13.4	3,328	60
04-Mar-07	30,799	4,606	358	26,551	28,108	7.9	1,935	14.2	3,492	-1,557
11-Mar-07	30,799	4,606	358	26,551	27,763	9.1	2,223	14.1	3,435	-1,212
18-Mar-07	30,799	5,504	358	25,653	26,310	11.4	2,630	14.3	3,287	-657
25-Mar-07	30,799	5,504	358	25,653	25,794	13.6	3,061	14.2	3,202	-141
01-Apr-07	30,799	5,504	358	25,653	25,481	14.9	3,319	14.1	3,147	172
08-Apr-07	30,799	5,684	332	25,447	25,964	12.1	2,738	14.3	3,255	-517
15-Apr-07	30,799	5,705	332	25,426	25,104	16.0	3,504	14.5	3,182	322
22-Apr-07	30,799	6,180	332	24,951	27,182	5.3	1,254	14.7	3,485	-2,231
29-Apr-07	30,799	5,859	332	25,272	27,061	6.7	1,592	14.3	3,381	-1,789
06-May-07	30,799	5,476	332	25,655	26,515	9.9	2,307	13.6	3,167	-860
13-May-07	30,799	5,443	332	25,688	27,299	7.0	1,684	13.7	3,295	-1,611
20-May-07	30,799	6,898	332	24,233	26,654	2.6	615	12.9	3,036	-2,421
27-May-07	30,799	4,938	332	26,193	27,637	7.8	1,897	13.8	3,341	-1,444
03-Jun-07	30,799	5,200	332	25,931	28,395	3.4	853	13.2	3,317	-2,464
10-Jun-07	30,799	4,717	332	26,414	28,183	6.1	1,511	13.2	3,280	-1,769
17-Jun-07	30,799	4,306	332	26,825	29,057	4.7	1,202	13.4	3,434	-2,232
24-Jun-07	30,799	4,360	332	26,771	30,747	-1.1	-297	13.6	3,679	-3,976
01-Jul-07	30,799	3,191	332	27,940	30,400	4.3	1,145	13.5	3,605	-2,460
08-Jul-07	30,799	2,625	332	28,506	29,652	9.2	2,392	13.6	3,538	-1,146
15-Jul-07	30,799	2,625	332	28,506	31,585	2.8	770	13.9	3,849	-3,079
22-Jul-07	30,799	2,414	332	28,717	30,596	6.6	1,781	13.6	3,660	-1,879
29-Jul-07	30,799	2,454	332	28,677	30,491	6.8	1,829	13.6	3,643	-1,814
05-Aug-07	30,816	2,907	332	28,241	30,765	4.5	1,226	13.9	3,750	-2,524
12-Aug-07	30,816	2,907	332	28,241	30,890	4.2	1,125	13.9	3,774	-2,649
19-Aug-07	30,816	2,912	332	28,236	30,810	4.4	1,185	13.9	3,759	-2,574
26-Aug-07	30,816	2,907	332	28,241	30,079	6.8	1,793	13.7	3,631	-1,838
02-Sep-07	30,816	3,432	332	27,716	30,234	4.3	1,137	13.8	3,655	-2,518
09-Sep-07	30,816	4,679	332	26,469	30,126	-0.1	-13	13.8	3,644	-3,657
16-Sep-07	30,816	5,154	332	25,994	29,427	0.4	92	13.6	3,525	-3,433
23-Sep-07	30,816	5,154	332	25,994	28,885	2.2	553	13.5	3,444	-2,891
30-Sep-07	30,816	5,670	332	25,478	27,315	5.6	1,360	13.3	3,197	-1,837

Table A5 Assessment of Resource Adequacy: Extreme Weather,
Planned Resource Scenario

Week Ending Day	Total Resources MW	Total Reductions in Resources MW	Price-responsive Demand MW	Available Resources MW	Required Resources MW	Available Reserve %	Available Reserve MW	Required Reserve %	Required Reserve MW	Reserve Above Requirement MW
02-Apr-06	30,766	6,038	363	25,091	25,535	12.4	2,771	14.4	3,215	-444
09-Apr-06	30,873	6,602	363	24,634	25,635	9.7	2,186	14.2	3,187	-1,001
16-Apr-06	30,873	6,490	363	24,746	24,673	14.2	3,085	13.9	3,012	73
23-Apr-06	30,873	6,092	363	25,144	26,699	7.8	1,814	14.4	3,369	-1,555
30-Apr-06	30,873	8,036	363	23,200	26,703	-0.5	-114	14.5	3,389	-3,503
07-May-06	30,873	6,646	363	24,590	26,304	6.8	1,555	14.2	3,269	-1,714
14-May-06	30,873	6,688	363	24,548	27,030	3.9	917	14.4	3,399	-2,482
21-May-06	30,873	5,221	363	26,015	26,555	11.9	2,762	14.2	3,302	-540
28-May-06	30,873	5,011	363	26,225	27,354	9.6	2,294	14.3	3,423	-1,129
04-Jun-06	30,873	4,474	363	26,762	28,019	8.3	2,048	13.4	3,305	-1,257
11-Jun-06	30,972	3,592	363	27,743	27,880	13.0	3,200	13.6	3,337	-137
18-Jun-06	30,972	3,584	363	27,751	28,744	9.9	2,488	13.8	3,481	-993
25-Jun-06	30,972	3,042	363	28,293	30,523	5.7	1,520	14.0	3,750	-2,230
02-Jul-06	30,972	2,842	363	28,493	29,919	8.5	2,235	13.9	3,661	-1,426
09-Jul-06	30,972	2,900	363	28,435	29,531	9.7	2,507	13.9	3,603	-1,096
16-Jul-06	30,972	2,900	363	28,435	31,286	3.9	1,056	14.3	3,907	-2,851
23-Jul-06	30,972	2,689	363	28,646	30,298	7.8	2,066	14.0	3,718	-1,652
30-Jul-06	30,974	2,730	363	28,607	30,189	8.0	2,115	14.0	3,697	-1,582
06-Aug-06	30,991	2,959	403	28,435	30,434	6.7	1,774	14.2	3,773	-1,999
13-Aug-06	30,991	2,991	403	28,403	30,553	6.1	1,642	14.2	3,792	-2,150
20-Aug-06	30,991	2,996	403	28,398	30,477	6.4	1,702	14.2	3,781	-2,079
27-Aug-06	30,991	2,991	403	28,403	29,757	8.8	2,303	14.0	3,657	-1,354
03-Sep-06	30,991	4,281	403	27,113	29,948	3.4	897	14.2	3,732	-2,835
10-Sep-06	30,991	4,756	403	26,638	29,749	2.0	520	13.9	3,631	-3,111
17-Sep-06	30,991	6,216	403	25,178	29,202	-1.4	-361	14.3	3,663	-4,024
24-Sep-06	30,991	6,216	403	25,178	28,665	0.4	99	14.3	3,586	-3,487
01-Oct-06	30,991	6,216	409	25,183	27,246	6.0	1,425	14.7	3,488	-2,063
08-Oct-06	31,090	5,489	409	26,009	27,537	8.1	1,951	14.5	3,479	-1,528
15-Oct-06	31,090	6,995	409	24,503	23,955	16.3	3,433	13.7	2,885	548
22-Oct-06	31,090	6,479	409	25,019	24,705	15.2	3,298	13.7	2,984	314
29-Oct-06	31,090	7,398	409	24,100	25,195	9.7	2,130	14.7	3,225	-1,095
05-Nov-06	31,106	7,844	409	23,670	25,788	5.0	1,131	14.4	3,249	-2,118
12-Nov-06	31,106	7,274	409	24,240	26,084	6.0	1,376	14.1	3,220	-1,844
19-Nov-06	31,106	5,992	409	25,522	26,756	8.9	2,093	14.2	3,327	-1,234
26-Nov-06	31,106	5,318	409	26,196	27,611	8.3	2,008	14.2	3,423	-1,415
03-Dec-06	31,106	5,277	409	26,237	27,298	8.9	2,147	13.3	3,208	-1,061
10-Dec-06	31,106	5,149	409	26,365	28,514	5.1	1,288	13.7	3,437	-2,149
17-Dec-06	31,106	3,231	409	28,283	28,453	12.7	3,178	13.3	3,348	-170
24-Dec-06	31,106	2,241	409	29,273	28,693	15.7	3,978	13.4	3,398	580

(Table A5 continued)

Week Ending Day	Total Resources MW	Total Reductions in Resources MW	Price-responsive Demand MW	Available Resources MW	Required Resources MW	Available Reserve %	Available Reserve MW	Required Reserve %	Required Reserve MW	Reserve Above Requirement MW
31-Dec-06	31,106	2,241	409	29,273	27,179	22.5	5,369	13.7	3,275	2,094
07-Jan-07	31,305	2,372	466	29,399	28,272	17.4	4,350	12.9	3,223	1,127
14-Jan-07	31,305	2,372	466	29,399	28,787	15.5	3,941	13.1	3,329	612
21-Jan-07	31,305	2,372	466	29,399	29,381	13.2	3,436	13.2	3,418	18
28-Jan-07	31,305	3,199	466	28,572	29,309	10.7	2,757	13.5	3,494	-737
04-Feb-07	31,305	3,407	466	28,364	28,952	11.3	2,881	13.6	3,469	-588
11-Feb-07	31,310	3,400	466	28,376	28,976	11.3	2,872	13.6	3,472	-600
18-Feb-07	31,310	3,400	466	28,376	28,470	13.1	3,279	13.4	3,373	-94
25-Feb-07	31,310	3,400	466	28,376	28,150	14.3	3,546	13.4	3,320	226
04-Mar-07	31,310	5,066	466	26,710	28,101	8.5	2,094	14.2	3,485	-1,391
11-Mar-07	31,310	5,066	466	26,710	27,757	9.8	2,382	14.1	3,429	-1,047
18-Mar-07	31,310	5,964	466	25,812	26,302	12.1	2,789	14.2	3,279	-490
25-Mar-07	31,310	5,964	466	25,812	25,787	14.3	3,220	14.1	3,195	25
01-Apr-07	31,310	5,964	466	25,812	25,472	15.6	3,478	14.1	3,138	340
08-Apr-07	31,442	6,264	435	25,613	25,955	12.8	2,904	14.3	3,246	-342
15-Apr-07	31,442	6,285	435	25,592	25,093	16.7	3,670	14.5	3,171	499
22-Apr-07	31,442	6,760	435	25,117	27,176	6.0	1,420	14.7	3,479	-2,059
29-Apr-07	31,442	6,439	435	25,438	27,049	7.4	1,758	14.2	3,369	-1,611
06-May-07	31,442	6,056	435	25,821	26,502	10.6	2,473	13.5	3,154	-681
13-May-07	31,442	6,023	435	25,854	27,281	7.7	1,850	13.7	3,277	-1,427
20-May-07	31,442	7,478	435	24,399	26,645	3.3	781	12.8	3,027	-2,246
27-May-07	31,442	5,518	435	26,359	27,628	8.5	2,063	13.7	3,332	-1,269
03-Jun-07	31,442	5,780	435	26,097	28,375	4.1	1,019	13.2	3,297	-2,278
10-Jun-07	31,442	5,297	435	26,580	28,176	6.7	1,677	13.1	3,273	-1,596
17-Jun-07	31,442	4,886	435	26,991	29,048	5.3	1,368	13.4	3,425	-2,057
24-Jun-07	31,442	4,940	435	26,937	30,738	-0.5	-131	13.6	3,670	-3,801
01-Jul-07	31,442	3,771	435	28,106	30,393	4.9	1,311	13.4	3,598	-2,287
08-Jul-07	31,977	3,250	435	29,162	29,650	11.7	3,048	13.5	3,536	-488
15-Jul-07	31,977	3,250	435	29,162	31,573	5.1	1,426	13.8	3,837	-2,411
22-Jul-07	31,977	3,039	435	29,373	30,594	9.1	2,437	13.6	3,658	-1,221
29-Jul-07	31,977	3,079	435	29,333	30,486	9.3	2,485	13.6	3,638	-1,153
05-Aug-07	31,994	3,531	435	28,898	30,749	7.0	1,883	13.8	3,734	-1,851
12-Aug-07	31,994	3,531	435	28,898	30,865	6.6	1,782	13.8	3,749	-1,967
19-Aug-07	31,994	3,536	435	28,893	30,790	6.8	1,842	13.8	3,739	-1,897
26-Aug-07	31,994	3,531	435	28,898	30,072	9.3	2,450	13.7	3,624	-1,174
02-Sep-07	31,994	4,056	435	28,373	30,230	6.8	1,794	13.7	3,651	-1,857
09-Sep-07	31,994	5,303	435	27,126	30,119	2.4	644	13.7	3,637	-2,993
16-Sep-07	31,994	5,778	435	26,651	29,420	2.9	749	13.6	3,518	-2,769
23-Sep-07	31,994	5,778	435	26,651	28,858	4.8	1,210	13.4	3,417	-2,207
30-Sep-07	31,994	6,294	435	26,135	27,301	8.4	2,017	13.2	3,183	-1,166

Table A6 Energy Production Capability Forecast

Month	Existing Resource Scenario Forecast Energy Production Capability (GWh)	Planned Resource Scenario Forecast Energy Production Capability (GWh)
Apr 2006	14,405	14,429
May 2006	15,531	15,555
Jun 2006	16,678	16,722
Jul 2006	17,437	17,484
Aug 2006	17,270	17,318
Sep 2006	14,724	14,770
Oct 2006	14,761	14,830
Nov 2006	14,626	14,693
Dec 2006	17,319	17,389
Jan 2007	17,487	17,601
Feb 2007	15,133	15,238
Mar 2007	15,210	15,327
Apr 2007	14,733	14,875
May 2007	16,178	16,324
Jun 2007	16,212	16,354
Jul 2007	17,156	17,406
Aug 2007	17,293	17,543
Sep 2007	16,195	16,437

Table A7 Reserve Above Requirement Comparisons

Week Ending	Reserve Above Requirement Normal Weather	
	Present Outlook	Based on demand and hydroelectric capability forecasts methodology used in previous Outlooks
Day	MW	MW
02-Apr-06	712	1,427
09-Apr-06	508	1,190
16-Apr-06	1,089	1,830
23-Apr-06	1,631	2,516
30-Apr-06	388	1,205
07-May-06	1,588	2,298
14-May-06	1,781	2,278
21-May-06	1,329	1,721
28-May-06	1,320	1,988
04-Jun-06	1,512	2,227
11-Jun-06	2,039	2,598
18-Jun-06	706	1,560
25-Jun-06	-342	1,086
02-Jul-06	874	1,121
09-Jul-06	319	1,191
16-Jul-06	-1,158	825
23-Jul-06	-129	1,190
30-Jul-06	171	1,117
06-Aug-06	156	1,411
13-Aug-06	-337	1,261
20-Aug-06	237	1,702
27-Aug-06	1,074	1,394
03-Sep-06	-446	286
10-Sep-06	-791	566
17-Sep-06	-1,069	11
24-Sep-06	91	956
01-Oct-06	1,258	2,021
08-Oct-06	2,508	3,113
15-Oct-06	1,204	1,959
22-Oct-06	1,162	2,076
29-Oct-06	-388	703
05-Nov-06	-1,487	-299
12-Nov-06	-1,093	-584
19-Nov-06	-530	-236
26-Nov-06	-418	-128
03-Dec-06	-145	168
10-Dec-06	-975	-683
17-Dec-06	955	1,299
24-Dec-06	1,549	1,988
31-Dec-06	3,183	3,797

Week Ending	Reserve Above Requirement Normal Weather	
	Present Outlook	Based on demand and hydroelectric capability forecasts methodology used in previous Outlooks
Day	MW	MW
07-Jan-07	1,946	2,422
14-Jan-07	1,608	2,065
21-Jan-07	1,132	1,615
28-Jan-07	493	1,157
04-Feb-07	402	1,483
11-Feb-07	629	1,700
18-Feb-07	1,015	1,800
25-Feb-07	1,509	2,179
04-Mar-07	5	735
11-Mar-07	152	1,145
18-Mar-07	384	1,292
25-Mar-07	836	1,385
01-Apr-07	1,372	1,850
08-Apr-07	1,080	1,846
15-Apr-07	1,427	2,257
22-Apr-07	1,339	1,975
29-Apr-07	2,127	2,858
06-May-07	2,574	3,217
13-May-07	2,787	3,606
20-May-07	-221	704
27-May-07	1,234	2,002
03-Jun-07	654	1,429
10-Jun-07	825	1,687
17-Jun-07	-340	838
24-Jun-07	-1,907	-315
01-Jul-07	25	525
08-Jul-07	941	1,718
15-Jul-07	-731	1,125
22-Jul-07	302	1,554
29-Jul-07	596	1,462
05-Aug-07	298	1,745
12-Aug-07	-161	1,573
19-Aug-07	415	2,086
26-Aug-07	1,253	2,052
02-Sep-07	528	1,529
09-Sep-07	-664	1,311
16-Sep-07	207	1,427
23-Sep-07	1,259	2,466
30-Sep-07	2,037	3,144

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Appendix B Transmission Projects

Zone	CAA-ID#	Transmitter	Description	Proposed I/S Date
East	2005-194	Hydro One Networks Inc.	Belle River TS	2006-Q2
East	2004-161	Canadian Niagara Power	Cornwall 115KV Transmission	2006-Q2
Essa	2004-135	Hydro One Networks Inc.	Essa Shunt Capacitor	2006-Q2
Niagara	2002-085	Hydro One Networks Inc.	Queenston Flow West	2006-Q3
Northeast	N/A	Five Nations Energy Inc.	Additional 132 kv Breaker and new customer connection to Attawapsikat TS	2006-Q3
Northeast	2004-EX211	Great Lakes Power Ltd.	Patrick St. TS - 8 oil circuit breakers replaced with SF6 breakers	2006-Q3
Northeast	N/A	Five Nations Energy Inc.	Energize 2nd 6/8/10 MVA transformer at Attawapiskat TS	2006-Q4
Northeast	2003-EX173	Great Lakes Power Ltd.	New Gartshore TS - 5x115 kV breaker ring-bus to replace existing Gartshore TS	2006-Q4
Northeast	2002-EX070	Great Lakes Power Ltd.	P21G 230 kV cct Upgraded to 374 MVA continuous rating	2006-Q4
Northeast	N/A	Hydro One Networks Inc	Install shunt reactors at Porcupine TS	2007-Q1
Northeast	2002-086	Hydro One Networks Inc.	Modify Moosonee SS	2007-Q2
Northeast	2002-086	Hydro One Networks Inc.	Modify Otter Rapids SS	2007-Q2
Northeast	N/A	Five Nations Energy Inc.	Energize 2nd 6/8/10 MVA transformer at Fort Albany TS	2007-Q3
Northwest	2005-195	Hydro One Networks Inc.	Fort Frances TS reactive compensation	2007-Q2
Southwest	N/A	Hydro One Networks Inc.	Install Preston 230-115 kV auto-transformer	2007-Q3
Toronto	2005-198	Hydro One Networks Inc.	Whitby TS new transformer station	2007-Q2
West	N/A	Hydro One Networks Inc.	L25/27N inline breakers	2006-Q4

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Appendix C Planned Transmission Outages

The following tables list the planned transmission outages by transmission zone, for transmission outages with an expected duration greater than five days, and/or for those transmission outages associated with a major project.

Table C1 Bruce Zone

Start Date/Time	End Date/Time	Equipment	Outage Type	Recall	Impact	Reduction in Limit
Jul 10 2006 7:00 AM	Jul 21 2006 3:00 PM	Bruce B SS: H5L563	CWW	4 Hour	NBLIP	500 MW

Table C2 East Zone

Start Date/Time	End Date/Time	Equipment	Outage Type	Recall	Impact	Reduction in Limit
Jul 06 2006 10:00 PM	Jul 31 2006 9:59 PM	Cardinal Power CGS: T2, T2H, T1, T1H, G2B	CWW	10 Hour	None	
Apr 21 2006 10:45 PM	May 13 2006 10:59 PM	Cardinal Power CGS: T1H-H, T1, T1H	CWW	Non-Recallable	None	
Apr 21 2006 10:30 PM	May 14 2006 1:59 AM	Cardinal Power CGS: 52-S	DWW	Non-Recallable	None	
May 01 2006 6:00 AM	May 11 2006 4:00 PM	Barrett Chute JCT: W3B::BARRETT_CHUTE_SS::BARRETT_CHUTE_JCT, W3B::BARRETT_CHUTE_JCT::MOUNTAIN_CHUTE_DS, 14-W3B, W3B::BARRETT_CHUTE_JCT::MOUNTAIN_CHUTE_DS, W3B::BARRETT_CHUTE_SS::BARRETT_CHUTE_JCT, T1-L, W3B::BARRETT_CHUTE_JCT::STEWARTVILLE_TS, 10-W3B, W3B::BARRETT_CHUTE_JCT::STEWARTVILLE_TS	CNW	4 Hour	None	
Jul 03 2006 6:00 AM	Aug 04 2006 4:00 PM	Haley JCT: X2Y-LL01, 3501-X2Y-4	CNW	4 Hour	None	
Jul 10 2006 6:00 AM	Aug 10 2006 4:00 PM	Haley JCT: X2Y::HALEY_JCT::COBDEN_TS, 23X2Y-MSS1, X2Y::HALEY_JCT::COBDEN_TS, 69X2Y-23	CNW	4 Hour	None	
Jul 07 2006 7:00 AM	Jul 28 2006 6:00 PM	Chats Falls TS: C25H::CHATS_FALLS_TS::HAVELOCK_TS, AH, AL28, C25H::CHATS_FALLS_TS::HAVELOCK_TS, L25L26, A_BUS	CWW	12 Hour	FIO Chats Falls Inflow	30 MW 145 MW
Sep 05 2006 7:00 AM	Sep 16 2006 6:00 PM	Chats Falls TS: L28L33, C28C::MARINE_JCT::CHATS_FALLS_TS, C28C::CHERRYWOOD_TS::MARINE_JCT, T2J, T2, T17L28, AL28, T2B, KL28, C28C::MARINE_JCT::CHATS_FALLS_TS, C28C::CHERRYWOOD_TS::MARINE_JCT	CWW	12 Hour	FIO Chats Falls Inflow	30 MW 145 MW
Oct 10 2006 7:00 AM	Oct 27 2006 6:00 PM	Galetta JCT: C27P::CHATS_FALLS_TS::GALETTA_JCT, C27P::CHATS_FALLS_TS::GALETTA_JCT, C27P::DOBBIN_TS::GALETTA_JCT, C27P::DOBBIN_TS::GALETTA_JCT, D_BUS, AL27, DL3, DL33, HL27	CWW	12 Hour	FIO Chats Falls Inflow	30MW 145MW
May 15 2006 5:00 AM	Jun 07 2006 6:00 PM	Hawthorne TS: L24A::HAWTHORNE_TS::ST.LAWRENCE_TS, DL24, HT4L24, L22L24, L24A::HAWTHORNE_TS::ST.LAWRENCE TS, HL24	CWW	8 Hour	B31L	400 MW
Sep 05 2006 5:00 AM	Sep 26 2006 6:00 PM	Otonabee TS: T2J, C28C::CHERRYWOOD_TS::MARINE_JCT, T2B, L28L33, T17L28, KL28, C28C::CHERRYWOOD_TS::MARINE_JCT, T2, C28C::MARINE_JCT::CHATS_FALLS_TS, AL28, C28C::MARINE_JCT::CHATS_FALLS_TS	CWW	12 Hour	FIO Chats Falls Inflow	30 MW 145 MW
Apr 06 2006 8:00 AM	Apr 11 2006 4:00 PM	Picton TS: T2Y, T2-X22, T2	CWW	4 Hour	None	

Table C3 Essa Zone

Start Date/Time	End Date/Time	Equipment	Outage Type	Recall	Impact	Reduction in Limit
May 09 2006 6:00 AM	May 20 2006 5:00 PM	Bracebridge JCT: M6E::BRACEBRIDGE_JCT::MUSKOKA_TS, M6E::COOPER'S_FALLS_JCT::BRACEBRIDGE_JCT, M6E::BRACEBRIDGE_JCT::BRACEBRIDGE_TS, M6E::BRACEBRIDGE_JCT::BRACEBRIDGE_TS, 30T2-M6E, 18-M6E, M6E::COOPER'S_FALLS_JCT::BRACEBRIDGE_JCT, M6E::MIDHURST_JCT::ORILLIA_TS, T1-M6E, 80M6E-87, 92T1-M6E, M6E::ESSA_TS::MIDHURST_JCT, M6E::MIDHURST_TS::MIDHURST_JCT, M6E::MINDEN_TS::COOPER'S_FALLS_JCT, T1-M6E, M6E::COOPER'S_FALLS_JCT::ORILLIA_TS, M6E::BRACEBRIDGE_JCT::MUSKOKA_TS, M6E::MIDHURST_JCT::ORILLIA_TS, M6E::MINDEN_TS::COOPER'S	CWW	4 Hour	None	
Jun 05 2006 12:00 PM	Jun 29 2006 6:00 PM	Parry Sound TS: T2, 77T2-E26, T2Y	CWW	4 Day	None	
May 01 2006 4:00 PM	May 11 2006 12:00 PM	Des Joachims TS: R6-S, R6-T, 5D6, R7-T, T6, T7, T6-HL, T7-HL	CWW	4 Hour	None	

Table C4 Niagara Zone

Start Date/Time	End Date/Time	Equipment	Outage Type	Recall	Impact	Reduction in Limit
May 31 2006 6:00 AM	Jun 08 2006 6:00 PM	Murray TS: T11, T11B1, T11-L, T11Y1	DNW	4 Hour	None	
Jun 12 2006 6:00 AM	Jun 22 2006 6:00 PM	Murray TS: T12B2, T12, T12-L, T12Y2	CWW	8 Hour	None	
Mar 12 2006 6:00 AM	Apr 07 2006 6:00 PM	Carlton TS: T2, T2H, T2B, T2-A	CWW	Non-Recallable	None	
Apr 23 2006 6:00 AM	May 19 2006 6:00 PM	Carlton TS: T3Y, T3K, T3-A, T3	CWW	Non-Recallable	None	
Mar 06 2006 12:01 AM	May 11 2006 4:00 PM	Niagara 230 CTS: PA27::BECK_#2_TS::NIAGARA_230_CTS, R27-2, PA27::BECK_#2_TS::NIAGARA 230_CTS, R27-S	CWW	Non-Recallable	NY-Ontario Stability Limit (limiting for export) NY- Ontario Thermal Limit (limiting for import)	Export 200 MW for stability Import 20 MW for thermal
Jan 18 2006 10:15 AM	Apr 03 2006 6:00 PM	Donohue JCT: Q32A-Q10P	CWW	3 Hour	None	
May 01 2006 7:00 AM	May 06 2006 6:00 PM	Beck #2 TS: 28-Q32A, TL32L76, Q32A::BECK_#2_TS::DONOHUE_JCT, 45-Q32A, Q32A-Q10P, L30L32, Q32A::BECK_#2_TS::DONOHUE_JCT, 45-Q32A, 28-Q32A	CWW	8 Hour	None	
Apr 03 2006 7:00 AM	Apr 08 2006 6:00 PM	Beck #2 TS: KL26, D1_BUS, Q26A::ALLANBURG_TS::DONOHUE_JCT, DL3, DL36, D1D2, DL1, T1, Q26A::BECK_#2_TS::DONOHUE_JCT, TL26L27, Q26A::ALLANBURG_TS::DONOHUE_JCT, Q26A::BECK_#2_TS::DONOHUE_JCT, DD_BUS	CWW	8 Hour	None	

Table C5 Northeast Zone

Start Date/Time	End Date/Time	Equipment	Outage Type	Recall	Impact	Reduction in Limit
Aug 22 2006 7:00 AM	Sep 29 2006 6:00 PM	Porcupine TS: H1L502	CWW	8 Hour	None	
Jul 04 2006 7:00 AM	Aug 11 2006 6:00 PM	Porcupine TS: L01L02	CWW	8 Hour	None	
Jul 11 2006 9:00 AM	Jul 22 2006 3:00 PM	Porcupine TS: K2K3	CWW	8 Hour	None	
Oct 10 2006 7:00 AM	Nov 10 2006 6:00 PM	Porcupine TS: H2L501	CWW	8 Hour	None	
May 08 2006 7:00 AM	May 16 2006 5:00 PM	Mississagi TS: P22G::ECHO_RIVER_CTS::MISSISSAGI_TS, P22G::ECHO_RIVER_CTS::MISSISSAGI_TS, 34-P22G	CWW	Non-Recallable	None	
Apr 03 2006 7:00 AM	Apr 10 2006 5:00 PM	Mississagi TS: 34-T27P, 34-P21G, AL25, AL23	CWW	8 Hour	None	
Apr 03 2006 7:00 AM	Apr 10 2006 5:00 PM	Mississagi TS: P21G::MISSISSAGI_TS::P21G_P8_JCT, 34-P21G, P21G::MISSISSAGI_TS::P21G_P8_JCT	CWW	4 Day	None	
Mar 14 2006 9:00 AM	May 05 2006 4:00 PM	Porcupine TS: 30T8-H, T8, 30T8-T	CNW	1 Hour	None	
May 08 2006 7:00 AM	May 16 2006 5:00 PM	Mississagi TS: KL74, 34-T28P, KL24, 34-P22G	CWW	8 Hour	None	
May 08 2006 7:00 AM	May 16 2006 5:00 PM	Mississagi TS: P22G::ECHO_RIVER_CTS::MISSISSAGI_TS, 34-P22G, 34-P22G, KL74, P22G::ECHO_RIVER_CTS::MISSISSAGI_TS, 34-T28P, KL24	CWW	Non-Recallable	None	
Apr 10 2006 5:30 PM	Apr 17 2006 4:00 PM	Mississagi TS: P22G::ECHO_RIVER_CTS::MISSISSAGI_TS, 34-P22G, P22G::ECHO_RIVER_CTS::MISSISSAGI_TS	CWW	Non-Recallable	None	
Apr 24 2006 5:30 PM	May 01 2006 5:00 PM	P21G P8 JCT: P21G::P21G_P8_JCT::THIRD_LINE_CTS, P21G::MISSISSAGI_TS::P21G_P8_JCT, 34-P21G, P21G::P21G_P8_JCT::THIRD_LINE_CTS, P21G::MISSISSAGI_TS::P21G_P8_JCT	CWW	Non-Recallable	None	
Nov 22 2005 12:00 AM	Jun 14 2030 11:59 PM	Anjigami TS: ANJIGAMI LINE #1, ANJIGAMI LINE #1	CWW	Non-Recallable	None	
Sep 08 2006 11:01 PM	Sep 17 2006 6:01 PM	Scott GS: 902	CWW	7 Day	None	
Mar 19 2006 8:01 AM	Apr 07 2006 3:01 PM	Red Rock Falls GS: T2	DWW	Non-Recallable	None	
May 01 2006 12:00 PM	Jun 01 2006 6:00 PM	Wawa TS: T2SC2, T2-H, T2-K, T2R2, SS2-T2, T2	CWW	4 Day	None	
Jun 19 2006 6:00 AM	Jul 14 2006 6:00 PM	Otto Holden TS: 6-H24S, 38H24S-6	CNW	4 Hour	None	
Aug 11 2006 6:00 AM	Aug 17 2006 6:00 PM	Otter Rapids GS: 32C6R-12, 12-C6R	CWW	4 Hour	None	
Nov 06 2006 6:00 AM	Nov 16 2006 6:00 PM	Dymond TS: 32-D2L, 35D2L-32	CWW	4 Hour	None	
Dec 23 2005 7:00 AM	Dec 31 2006 11:59 PM	Third Line TS: 488, 492	CWW	Non-Recallable	None	
Apr 18 2006 9:30 AM	Apr 28 2006 2:01 PM	Aubrey Falls GS: T2	CWW	24 Hour	None	
Nov 06 2006 8:01 AM	Nov 24 2006 2:01 PM	Wells GS: T27	CWW	48 Hour	None	
Jun 19 2006 8:30 AM	Jun 29 2006 2:01 PM	Wells GS: T28	CWW	Non-Recallable	None	
Mar 20 2006 8:30 AM	Apr 07 2006 2:01 PM	Red Rock GS: T1	CWW	72 Hour	None	
Oct 02 2006 8:30 AM	Oct 08 2006 2:01 PM	Red Rock GS: T2	CWW	48 Hour	None	
Jun 06 2006 7:00 AM	Oct 27 2006 6:00 PM	Hanmer TS: R6, R6N	CWW	Non-Recallable	None	
Apr 10 2006 7:00 AM	Apr 24 2006 5:00 PM	Carmichael Falls JCT: 42H9K-27, H9K::CARMICHAEL_FALLS_CGS::CARMICHAEL_FALLS_JCT, 302122, 3021-22, H9K::CARMICHAEL_FALLS_CGS::CARMICHAEL_FALLS_JCT	CWW	4 Hour	None	
Apr 18 2006 10:30 AM	Apr 28 2006 3:01 PM	Aubrey Falls GS: 20-P25W	CWW	72 Hour	None	
Feb 25 2006 7:01 AM	Mar 30 2006 4:00 PM	Lower Notch GS: 15W71D-32B0	CWW	Non-Recallable	None	

Table C6 Northwest Zone

Start Date/Time	End Date/Time	Equipment	Outage Type	Recall	Impact	Reduction in Limit
Mar 13 2006 8:30 AM	May 12 2006 4:00 PM	Vermilion JCT: K23D::DRYDEN_TS::VERMILION_JCT, 3411-25, K23D::DRYDEN_TS::VERMILION_JCT, 25-K23D	CWW	4 Hour	OMTE, OMTW, EWTE, MPFN	OMTE - 50 MW OMTW - 250 MW EWTE - 75 MW MPFN - 25 MW
Oct 10 2006 8:30 AM	Nov 16 2006 6:00 PM	Vermilion JCT: K23D::DRYDEN_TS::VERMILION_JCT, 3411-25, K23D::DRYDEN_TS::VERMILION_JCT, 25-K23D	CWW	4 Hour	OMTE, OMTW, EWTE, MPFN	OMTE - 50 MW OMTW - 250 MW EWTE - 75 MW MPFN - 25 MW
Jul 05 2006 6:30 AM	Jul 11 2006 5:30 PM	Mackenzie TS: D26A::DRYDEN_TS::MACKENZIE_TS, 20-D26A, 25-D26A, D26A::DRYDEN_TS::MACKENZIE_TS	CWW	4 Hour	OMTE, OMTW, EWTE, EWTW, MPFN	OMTE - 70 MW OMTW - 250 MW EWTE - 75 MW EWTW - 50 MW MPFN - 50 MW
Jun 07 2006 6:30 AM	Jun 13 2006 5:30 PM	Mackenzie TS: 20-D26A, 25-D26A, D26A::DRYDEN_TS::MACKENZIE_TS, D26A::DRYDEN_TS::MACKENZIE_TS	CWW	4 Hour	OMTE, OMTW, EWTE, EWTW, MPFN	OMTE - 70 MW OMTW - 250 MW EWTE - 75 MW EWTW - 50 MW MPFN - 50 MW
Jun 21 2006 6:30 AM	Jun 27 2006 5:30 PM	Dryden TS: 25-D26A, 20-D26A, D26A::DRYDEN_TS::MACKENZIE_TS, D26A::DRYDEN_TS::MACKENZIE_TS	CWW	4 Hour	OMTE, OMTW, EWTE, EWTW, MPFN	OMTE - 70 MW OMTW - 250 MW EWTE - 75 MW EWTW - 50 MW MPFN - 50 MW
Sep 13 2006 6:30 AM	Sep 19 2006 5:30 PM	Mackenzie TS: 20-F25A, F25A::FORT_FRANCES_TS::MACKENZIE_TS, 22-F25A, F25A::FORT_FRANCES_TS::MACKENZIE_TS	CWW	4 Hour	OMTE, OMTW, EWTE, EWTW, MPFN, MPFS	OMTE - 70 MW OMTW - 250 MW EWTE - 75 MW EWTW - 50 MW MPFN - 50 MW MPFS - 140 MW
Sep 27 2006 6:30 AM	Oct 03 2006 5:30 PM	Fort Frances TS: 22-F25A, 20-F25A, F25A::FORT_FRANCES_TS::MACKENZIE_TS, F25A::FORT_FRANCES_TS::MACKENZIE_TS	CWW	4 Hour	OMTE, OMTW, EWTE, EWTW, MPFN, MPFS	OMTE - 70 MW OMTW - 250 MW EWTE - 75 MW EWTW - 50 MW MPFN - 50 MW MPFS - 140 MW
Aug 30 2006 6:30 AM	Sep 06 2006 5:30 PM	Mackenzie TS: F25A::FORT_FRANCES_TS::MACKENZIE_TS, 22-F25A, 20-F25A, F25A::FORT_FRANCES_TS::MACKENZIE_TS	CWW	4 Hour	OMTE, OMTW, EWTE, EWTW, MPFN, MPFS	OMTE - 70 MW OMTW - 250 MW EWTE - 75 MW EWTW - 50 MW MPFN - 50 MW MPFS - 140 MW
Nov 29 2006 6:30 AM	Dec 19 2006 5:30 PM	Whiteshell-MAN CTS: K21W::WHITESHELL-MAN_CTS::KENORA_TS, 34-K21W, K21W::WHITESHELL-MAN_CTS::KENORA_TS	CWW	4 Hour	OMTE, OMTW, EWTE	OMTE - 100 MW OMTW - 100 MW EWTE - 50 MW
Aug 14 2006 8:00 AM	Aug 25 2006 5:00 PM	Alexander SS: 4-C1A, C1A::CAMERON_FALLS_GS::ALEXANDER_JCT, C1A::ALEXANDER_JCT::ALEXANDER_GS, C1A::CAMERON_FALLS_GS::ALEXANDER_JCT, C1A::ALEXANDER_JCT::ALEXANDER_SS, C1A::ALEXANDER_JCT::ALEXANDER_GS, C1A::ALEXANDER_JCT::ALEXANDER_SS	CWW	4 Hour	None	
Feb 15 2006 7:01 AM	Dec 31 2006 11:59 PM	Port Arthur TS #1: T1	CWW	Non-Recallable	None	
Jun 14 2006 8:30 AM	Jun 23 2006 7:00 PM	Forgie JCT: FORGIE-2, 15-SK1	CWW	4 Hour	Ontario-Manitoba interconnection	Flow into Ontario reduced by 68 MW

Table C7 Ottawa Zone

Start Date/Time	End Date/Time	Equipment	Outage Type	Recall	Impact	Reduction in Limit
May 10 2006 7:00 AM	May 19 2006 3:00 PM	Longueuil TS: T4Q, T4-B5D, T4	CWW	16 Hour	None	
Oct 16 2006 6:00 AM	Oct 26 2006 4:00 PM	Bilberry Creek JCT: H9A::BILBERRY_CREEK_TS::BILBERRY_CREEK_JCT, 42H9A-77, A1-A2, T2-A, H9A::BILBERRY_CREEK_TS::BILBERRY_CREEK_JCT	CNW	4 Hour	None	
Apr 18 2006 7:00 AM	May 12 2006 4:00 PM	Merivale TS: PL30	CWW	24 Hour	None	
May 15 2006 7:00 AM	May 25 2006 6:00 PM	St.Lawrence TS: HL24, L24A::HAWTHORNE_TS::ST.LAWRENCE_TS, L24A::HAWTHORNE_TS::ST.LAWRENCE_TS, L22L24, DL24, HT4L24	CWW	8 Hour	B31L	400 MW
Jun 12 2006 7:00 AM	Jun 30 2006 4:00 PM	Merivale TS: L29L30	CWW	24 Hour	None	
Aug 14 2006 8:00 AM	Aug 25 2006 6:00 PM	St.Isidore TS: 62D5A-48, T3-D5A, 62D5A-48, T3-D5A, D5A::CUMBERLAND_JCT::HAWTHORNE_TS, A1A2, T3-D5A, D5A::CUMBERLAND_JCT::ST.ISIDORE_TS, 62D5A-L26, 48-D5A, 62D5A-L26, D5A-2403, D5A::CUMBERLAND_JCT::HAWTHORNE_TS, T3-A1, T3J, D5A::CUMBERLAND_JCT::ST.ISIDORE_TS, T3	CWW	7 Hour	D5A import/export Limit B5D Delivery Limit	200 MW 400 MW
Mar 13 2006 7:00 AM	Mar 31 2006 5:00 PM	Merivale TS: AL4	CWW	2 Week	None	
Apr 03 2006 6:00 AM	Apr 21 2006 5:00 PM	Merivale TS: AL5	CWW	2 Week	None	
May 15 2006 6:00 AM	Jun 01 2006 5:00 PM	Merivale TS: AL12	CWW	2 Week	None	

Table C8 Southwest Zone

Start Date/Time	End Date/Time	Equipment	Outage Type	Recall	Impact	Reduction in Limit
Nov 26 2004 8:00 AM	Dec 25 2006 3:00 PM	Campbell TS: SC4Q, SC4	CWW	30 Minute	None	
Mar 20 2006 8:00 AM	Jun 02 2006 3:00 PM	Milton SS: KL570	CWW	5 Day	None	
Jun 03 2005 7:01 AM	Jun 03 2006 3:00 PM	Kitchener MTS#8: K8T16-M20D, T16, T16B	DWW	4 Hour	None	
Mar 01 2006 5:00 AM	Mar 31 2006 6:00 PM	Bronte TS: SS2-X, T2, T2-B7, T2-B8	CWW	1 Minute	None	
Jul 17 2006 6:00 AM	Sep 29 2006 6:00 PM	C.G.E.JCT: D7G::SPEEDSVILLE_JCT::C.G.E.JCT, 60-D7G-67, D7G::FREEPORT_JCT::SPEEDSVILLE_JCT, 51-D7G-67, D7G::SPEEDSVILLE_JCT::C.G.E.JCT, D7G::FREEPORT_JCT::SPEEDSVILLE_JCT	CWW	4 Hour	None	
Apr 24 2006 6:00 AM	May 19 2006 6:00 PM	Middleport TS: 25-Q25BM, Q25BM::BECK_#2_TS::NEALE_JCT, Q25BM::MIDDLEPORT_TS::NEALE_JCT, 28-Q25BM, Q25BM::BURLNGTNJCT::NEALE_JCT, Q25BM::MIDDLEPORT_TS::NEALE_JCT, Q25BM::BURLNGTNJCT::NEALE_JCT, Q25BM::BURLINGTON_DESN_TS::BURLNGTNJCT, Q25BM::BURLINGTON_TS::	CNW	4 Hour	FABC FETT	50 -100 MW for FABC depending on connectivity 250 MW for FETT
Apr 24 2006 8:01 AM	May 19 2006 3:01 PM	Scheifele CTS: T1	CWW	Non-Recallable	None	
Feb 19 2006 7:00 AM	Apr 15 2006 6:00 PM	Trafalgar TS: T14-TSS14, T14-M572T, M572T::MILTON_SS::TRAFALGAR_TS, M572T::MILTON_SS::TRAFALGAR_TS, 40-M572T, T14-M572T, T14, T14-HT14	DWW	7 Day	FETT	450 MW
May 08 2006 5:00 PM	May 26 2006 7:00 PM	Middleport TS: L4L34, L4_BUS, KL4	CWW	8 Hour	None	

Table C9 Toronto Zone

Start Date/Time	End Date/Time	Equipment	Outage Type	Recall	Impact	Reduction in Limit
Feb 26 2006 5:00 AM	Apr 13 2006 6:00 PM	Manby East TS: T5-H2, T5Q, TR5-T, TR5-S, TR5-S, TR5-Q, T5-H2, T5, T5Q, TR5-T	CWW	4 Week	None	
Dec 25 2006 7:00 AM	Jan 19 2007 2:30 PM	Bermondsey TS: T4B, T4Y, T4, T4-C14L	CWW	36 Hour	None	
Dec 25 2006 7:00 AM	Jan 20 2007 6:00 PM	Pickering B SS: P27C::CHERRYWOOD_TS::PICKERING_B_SS, P27C::CHERRYWOOD_TS::PICKERING_B_SS_T5L27_L27B	CWW	2 Day	None	
Jan 02 2007 7:00 AM	Jan 23 2007 6:00 PM	Cherrywood TS: KL8, P8C::PICKERING_A_SS::CHERRYWOOD_TS, L8L24, T2L8, P8C::PICKERING_A_SS::CHERRYWOOD_TS, L8D	CWW	2 Day	None	
Oct 30 2006 6:00 AM	Dec 01 2006 5:00 PM	Bridgman TS: T14X-H, T14, T14Y-B, T14-L14W	CWW	10 Day	None	
Dec 25 2006 7:00 AM	Dec 30 2006 6:00 PM	Cherrywood TS: P6C::CHERRYWOOD_TS::PICKERING_A_SS, DL6, P6C::CHERRYWOOD_TS::PICKERING_A_SS, L6K, T1L6, L3L6	CWW	2 Day	None	
Jun 19 2006 7:00 AM	Jul 07 2006 2:30 PM	Cherrywood TS: L15L20	CWW	7 Hour	None	
Jan 02 2007 7:00 AM	Jan 17 2007 6:00 PM	Pickering A SS: L7H, P7C::PICKERING_A_SS::CHERRYWOOD_TS, L7L11, P7C::PICKERING_A_SS::CHERRYWOOD_TS, T3L7, DL7	CWW	2 Day	None	
Apr 17 2006 2:00 PM	May 30 2006 6:00 PM	Wiltshire TS: T1, T1-H	CWW	9 Hour	None	
Dec 15 2005 3:00 PM	Sep 01 2006 6:00 PM	Parkway TS: K3L36, P2-P3, LT4L21	CWW	3 Hour	FETT	
Jun 12 2006 7:00 AM	Jun 21 2006 11:30 AM	Pickering A SS: L6K	CWW	4 Hour	None	
Jun 21 2006 12:00 PM	Jun 30 2006 2:30 PM	Pickering A SS: L8D	CWW	4 Hour	None	
Oct 10 2006 5:00 AM	Oct 27 2006 6:00 PM	Chats Falls TS: C28C::MARINE_JCT::CHATS_FALLS_TS, T2J, C28C::MARINE_JCT::CHATS_FALLS_TS, T2, KL28, C28C::CHERRYWOOD_TS::MARINE_JCT, T17L28, AL28, T2B, L28L33, C28C::CHERRYWOOD_TS::MARINE_JCT	CWW	12 Hour	None	
Sep 15 2006 5:00 AM	Oct 27 2006 6:00 PM	Cherrywood TS: T14-SS4, T14, T14-HT14, T14-J	CWW	10 Hour	None	
Mar 27 2006 5:00 AM	Apr 13 2006 4:00 PM	Bermondsey TS: T3B, T3-C17L, T3Y, T3	CWW	16 Hour	None	
Aug 21 2006 6:00 AM	Oct 19 2006 3:00 PM	Bowmanville SS: X520B::LENNOX_TS::BOWMANVILLE_SS, X520B::LENNOX_TS::BOWMANVILLE_SS, X521B::LENNOX_TS::BOWMANVILLE_SS, X521B::LENNOX_TS::BOWMANVILLE_SS	DWW	1 Hour	None	
Mar 27 2006 8:00 AM	Apr 05 2006 12:00 PM	Cherrywood TS: 3K4	CWW	8 Hour	None	
Feb 20 2006 5:00 AM	Apr 28 2006 6:00 PM	Leaside TS: L16D::LEASIDE_TS::DUPLEX_TS, 44-L16D, 34-L16D, L16D::LEASIDE_TS::DUPLEX_TS	CWW	9 Hour	None	
Mar 24 2006 7:00 AM	May 13 2006 3:00 PM	Bowmanville SS: H3L521, H3E	CWW	3 Hour	None	
Apr 05 2006 12:30 PM	Apr 15 2006 2:30 PM	Cherrywood TS: DL17	CWW	8 Hour	None	
May 25 2006 5:00 AM	Jul 15 2006 6:00 PM	Cherrywood TS: T14, T14-J, T14-HT14, T14-SS4	CWW	7 Week	None	

Table C10 West Zone

Start Date/Time	End Date/Time	Equipment	Outage Type	Recall	Impact	Reduction in Limit
Jun 28 2005 7:00 AM	Jun 29 2006 3:00 PM	Sarnia Scott TS: KL1	CWW	2 Hour	None	
May 15 2006 5:00 AM	May 23 2006 6:00 PM	Aylmer TS: SC1B, M1, SC1	CWW	1 Hour	None	
Apr 18 2006 6:00 AM	May 19 2006 4:00 PM	Buchanan TS: W2S::BUCHANAN_TS::SYDENHAM_JCT, W2S::BUCHANAN_TS::SYDENHAM_JCT, 19-W2S, W2S::SYDENHAM_JCT::STRATHROY_TS, W2S::SYDENHAM_JCT::STRATHROY_TS, 29-W2S	CWW	4 Hour	None	
Apr 24 2006 6:00 AM	May 04 2006 6:00 PM	Lambton TS #2: T5-L23, T5D, DY, D_BUS, T5D, T5	CWW	4 Hour	None	
May 08 2006 6:00 AM	May 18 2006 6:00 PM	Lambton TS #2: T6Y, T6-P1, T6Y, T6, DY, Y_BUS	CWW	4 Hour	None	

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