

OPA RESPONSE TO AMPCO INTERROGATORY 1

QUESTION

Please summarize the load curtailment programs in place now or planned to be in place by September 2009, including information on the effective capacity of each program, the history of use of each existing program starting in 2005 and the fixed and variable costs of each program.

RESPONSE

By October 2008, OPA had five demand response programs with a total contracted capacity of 776 MW. Another DR program, DR2, is expected to be in market in 2009. The program delivery cost is expected to be \$264,000 per MW, with 90% incentive cost and 10% program cost. York Region DR is a regional program; Loblaw DR includes its 103 stores across the province; PeakSaver targets residential/small commercial market; and DR1, DR2, and DR3 target commercial and industrial markets. Each program's brief description, as well as the effective and contracted capacity, is summarized in Table 1, below.

1 **Table 1**

Program	DR1	DR2	DR3	PeakSaver	York Region Demand Response	Loblaw Demand Response
Commercial operation date	Aug. 2006	2009	Aug. 2008	2008	Sep. 2006	Jun. 2006
Effective capacity on peak (MW) - 2005	0	0	0	0	0	0
Effective capacity on peak (MW) - 2006	93	0	0	0	0	10
Effective capacity on peak (MW) - 2007	142	0	0	0	0	10
Effective capacity on peak (MW) - 2008	143	0	0	0	TBD	TBD
Planned effective capacity (MW) - 2009	47	135	247	71	20	10
Contracted capacity to date (MW, Oct. 2008)	439	0	272	35	20	10
Expected Cost per MW (\$/MW)	\$264,000 (90% incentive cost & 10% program cost)					
Brief program description	A voluntary dispatch demand response product with eligible hours determined by market conditions.	A contractual load shifting product expected to be available in 2009	Participants have contractual obligations to reduce load by either 100 or 200 peak hours per year. Both direct participants and aggregators can participate in this province-wide program. Dispatch is provided by the IESO based on market conditions.	LDCs install wireless devices to cycle down air conditioners and electric water heaters. It is run through LDCs across Ontario targeting single-family homes.	This program targets various locations across Northern York Region, and is a part of the integrated York Region supply solution.	Install intelligent controllers at 103 Loblaw Properties Limited-owned grocery stores across Ontario. Activation is triggered when a pre-defined price threshold is met.

Source: