

1 Q. Re: IC-NLH-093. For each measure noted, please provide the date of
2 implementation (or planned implementation) of the fuel saving initiative.

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5 A. The following table provides the date of implementation (or planned
6 implementation) of the fuel saving initiatives outlined in Hydro's response to IC-
7 NLH-093.

Year	Initiative	Date (or Planned Date) of Implementation
2008	Installation of a variable speed drive air compressor to reduce auxiliary power consumption.	December 2008
2009	A study of the feasibility of installing an intelligent soot-blowing system to only use steam to clean boiler components when fouling reaches inefficient levels.	Study presented February 2009
2010	A study of the feasibility of installing variable speed drives on boiler feed pumps and forced draft fans.	Installation of forced draft fan variable speed drives planned to commence in August 2014. Due to utilization and potential energy savings, boiler feed pump variable speed drives offered a longer return on investment, decreasing the viability of the project. As such, the project was not pursued.
	Submission of a capital budget proposal to upgrade forced draft fan ductwork to reduce air flow restriction, hence reducing electrical load on the fans.	August 2011
2011	A review of turbine condenser operation and maintenance activities with a view to increasing unit efficiency for all three units.	May 2012
	The installation of a new forced draft fan ductwork.	August 2011
2012	Performance of a gap analysis on condenser operation and maintenance.	May 2012
	Submission of a capital budget proposal to install variable speed drives on the six 1500 hp forced draft fan motors.	Installation planned to commence in August 2014.

Year	Initiative	Date (or Planned Date) of Implementation
2012 (cont'd)	Implementation of an improved and more timely method for conversion of Unit 3 to and from synchronous condenser operation thus reducing the time that Units 1 and 2 have to be generating at low inefficient load levels for voltage support.	May 2012
	Installation of new energy efficient heat tracing on fuel oil lines.	September 2012
	Performance of a lighting study to establish the cost of upgrading to energy efficient lighting throughout the facility, including the use of photo cells and motion sensors.	October 2012
2013	Completed design work to install variable speed drives on the six forced draft fans.	Installation planned to commence in August 2014.
	Implementing recommendations of the 2012 condenser gap analysis.	June 2013
	Completed installation of new energy efficient heat tracing on fuel oil lines.	September 2013
2014	Installation and commissioning of the variable speed drives on the forced draft fans.	August 2015
	Collected and reviewing electrical consumption data of the new fuel oil lines heat tracing, comparing to previous years.	December 2014
	Implemented recommendations of the 2012 condenser gap analysis.	November 2014

- 1 The forced draft fan variable speed drives, identified for 2014, are currently being
- 2 commissioned on two units.