K6.7

ROGER Michael
From: BOUCHER Marc
Sent: Friday, June 27, 2008 10:26 AM
To: john Vickers (hopperfdry@xcelco.on.ca)
Subject: Our Discussion - Hopper Foundry

John

As requested here is a summary of our discussion today concerning the issue of voltage conditions assuming Hopper Foundry transferred all load to day time operations.

As agreed, Hydro One installed recording voltmeters sometime after our meeting in order to determine the impact on our local distribution system should Hopper shift operations to daytime production. Our review indicates that if your peak load was shifted to between 4:00 and 8:00 PM daily, we would experience unacceptable voltage conditions on the feeder that supplies your facility as well as loading issues at our Distribution Station. This is consistent with what you indicated at our meeting.

Given this situation, should Hopper Foundry decide to transfer all load to daytime operations Hydro One is prepared to cover the costs to extent our sub transmission system up to the boundary of your facility. Under this scenario Hopper Foundry would be required to modify its electrical system at your cost in order to accommodate being supplied from our 27.6kV system.

I outlined the proposed ST rates to your during our meeting. In order to qualify for these proposed rates, assuming that the OEB approve our ST proposal as submitted, Hopper Foundry would be required to have an average yearly load of over 501 kVA, own the transformation and be supplied at 27.6 kV.

Please let me know if you need any further information.

Marc

K.6.8

Forest General Service demand billed customer impact
Consumption similar to Hopper Foundries

2008 Impact			
	Impact ranges based on average consumption	Exhibit G1, Tab 8, Schedule 2, page 12, Table 2	8.9%
	Impacts at different levels of consumption	Exhibit G2, Tab 5, Schedule 6, page 64	12%
2011 Impact	Impact ranges based on average consumption	Exhibit G1, Tab 7, Schedule 2, page 5, Table 1	11.7%

If Hopper Foundries had not moved to the pilot time-of-use rates they would currently be General Service demand billed customer of Forest. Hopper consumes approximately 700 kW of demand per month.

For 2008, the impact on Forest's General Service demand billed customers based on average consumption is 8.9% on total bill, (G1-8-2, page 12). For a customer with similar consumption level as Hopper, the impact is estimated to be 12% on total bill, (G2-5-6, page 64) on total bill. That is approximately 2% above the average.

For the target year, 2011, the total bill impact for an average customer is estimated to be 11.7% (G1-7-2, page 5). It is appropriate to assume the differential between the average bill impact and Hopper Foundries' impact in 2011 will be the same as the differential in 2008. Therefore, the impact for a customer like Hopper would be approximately 14% on total bill.