November 1, 2010

Bob Chow
Director, Transmission Integration
Ontario Power Authority
120 Adelaide Street West, Ste. 1600
Toronto, Ontario M5H 1T1

Dear Bob,

RE: York Region Planning Supply Study

PowerStream forecasts a need for additional supply capacity in the PowerStream south supply area(Vaughan, Richmond Hill and Markham) in the 2016-2017 timeframe (depending on weather and CDM/DG impact).

Our forecasts also indicate a need for additional capacity in our Aurora Supply area in the 2016 timeframe (depending on weather and CDM/DG impact). The Northern York Region Supply Report indicated that a new regional station was a potential solution to load growth in the area.

Considering the coincidental timing for new capacity facilities and the complex supply issues, it would be prudent to conduct a York Region Planning Supply Study to integrate all the new capacity needs into a common solutions plan. We formally request that the OPA initiate such a study. Our load forecasts are shown below:

Load Forecast

PowerStream has revised its 2010-2019 Load Forecast for PowerStream South (incl. Markham, Richmond Hill and Vaughan) and PowerStream-Aurora areas. The forecast has been revised to reflect the new CDM target(2011 – 2014) set by the OEB and potential solar generation in the FIT program. The load forecast results under different scenarios are shown below:

1. Base Growth with 5% CDM(after 2014) and Price Impact

Coincident peak demand forecast of Base growth under the 1-in-2 (“normal”) and 1-in-10 (hot) weather scenarios with 5% CDM(after 2014), and with price impact.

Table 1

Table 1: PowerStream Coincident Peak Demand Growth 2010-2019 (MW)

Area	Weather/Year	2010 (Actual)	2010 (Normalized)	2011	2012	2013	2014	2015	2016	2017	2018	2019	2020
South	1 in 2 Weather	1,476	1,419	1,453	1,481	1,510	1,541	1,587	1,631	1,675	1,720	1,768	1,817
	1 in 10 Weather			1,551	1,582	1,615	1,649	1,698	1,745	1,793	1,842	1,893	1,945
Aurora	1 in 2 Weather	95	91	94	97	100	103	107	111	114	118	121	125
	1 in 10 Weather			101	104	107	110	115	118	122	126	130	134
PowerStream	1 in 2 Weather	1,571	1,510	1,547	1,578	1,610	1,644	1,694	1,741	1,789	1,838	1,889	1,942
	1 in 10 Weather			1,652	1,686	1,722	1,759	1,813	1,864	1,915	1,967	2,023	2,079

*Base Growth and Price Impact, and future 5% CDM

2. Base Growth without CDM and Price Impact

Table 2

Table 2: PowerStream Coincident Peak Demand Growth 2010-2019 (MW)

Area	Weather/Year	2010 (Actual)	2010 (Normalized)	2011	2012	2013	2014	2015	2016	2017	2018	2019	2020
South	1 in 2 Weather	1,476	1,419	1,462	1,505	1,551	1,597	1,645	1,688	1,732	1,777	1,823	1,870
	1 in 10 Weather			1,559	1,606	1,654	1,704	1,755	1,801	1,848	1,896	1,945	1,996
Aurora	1 in 2 Weather	95	91	95	98	102	106	111	114	117	121	125	128
	1 in 10 Weather			101	105	109	114	118	122	125	129	133	137
PowerStream	1 in 2 Weather	1,571	1,510	1,556	1,604	1,653	1,704	1,756	1,802	1,849	1,898	1,947	1,999
	1 in 10 Weather			1,660	1,711	1,764	1,818	1,873	1,923	1,973	2,025	2,078	2,133

*Base Growth, no CDM and no Price Impact

PowerStream's "effective" capacity in the South area is 1749 MW in 2010, and will increase to 1,762 MW in 2011 and 1,767 MW in 2012 as a result of incremental DG capacity additions through the OPA's FIT program. There are no incremental DG capacity additions in 2013-2019 at this time.

PowerStream's capacity in the Aurora area is 112 MW. The M34 NUG feeder is not considered in this capacity assessment. The incremental capacity due to DG in Aurora is negligible at this time.

Capacity Adequacy Assessment

Under Base Growth with 5% CDM(after 2014) and Price Impact scenario, additional capacity will be required in the 2016-2017 timeframe.

Under Base Growth without CDM and Price Impact scenario, additional capacity will be required in the 2015-2016 timeframe.

Additional capacity is required for PowerStream-Aurora in the 2016 timeframe.

Yours truly,

Ted Wojcinski
Vice-President, Engineering Planning
PowerStream Inc.
161 Cityview Boulevard
Vaughan, Ontario L4H 0A9