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**UNDERTAKING J1.4**

**Undertaking**

To complete Tables 1 and 2 on page 2 of 3 of Ex. L-1-88, to include information for Non-Regulated Hydroelectric, Corporate, and Total OPG.

**Response**

Table 1 below provides IESO non-energy charges for the period 2007 – 2012. For 2007 – 2009, actual charges are presented. For 2010 – 2012 forecast charges are presented at a business unit level as OPG does not forecast IESO non-energy charges or withdrawals on an individual facility basis.

<b>Table 1<sup>1</sup></b>						
<b>Actual (2007-09) and Forecast (2010-12) IESO Non-Energy Charges (\$M)</b>						
	<b>2007</b>	<b>2008</b>	<b>2009</b>	<b>2010</b>	<b>2011</b>	<b>2012</b>
Darlington	1.8	1.6	8.5			
Pickering A	2.8	3.7	9.7			
Pickering B	5.2	5.3	17.9			
<b>Total Nuclear</b>	<b>9.8</b>	<b>10.6</b>	<b>36.1</b>	<b>26.3</b>	<b>30.3</b>	<b>33.5</b>
Saunders	0.0	0.0	0.0			
Sir Adam Beck 1	(0.7) <sup>2</sup>	0.3	1.5			
Sir Adam Beck 2	0.1	0.2	0.1			
Sir Adam Beck PGS	3.2	3.4	10.5			
DeCew	0.8	0.5	0.5			
<b>Total Reg Hydro</b>	<b>3.4</b>	<b>4.3</b>	<b>12.7</b>	<b>10.1</b>	<b>11.6</b>	<b>12.8</b>
<b>Total Unregulated</b> (Thermal and Unregulated Hydro)	<b>7.2</b>	<b>7.5</b>	<b>26.8</b>	<b>18.4</b>	<b>20.9</b>	<b>22.9</b>
<b>Total</b> <sup>3</sup>	<b>20.5</b>	<b>22.4</b>	<b>75.5</b>	<b>54.7</b>	<b>62.8</b>	<b>69.2</b>
<b>Corporate Facilities</b> <sup>4</sup>	0.2	0.1	0.1	0.2	0.2	0.2

OPG generating assets are wholesale customers connected to the transmission system. Non-energy load charges are directly invoiced by the IESO.

OPG understands that the request for “Corporate” information pertains to its corporate facilities which are 700 University Ave and the 800 Kipling Ave Complex both located in Toronto.

<sup>1</sup> Numbers may not add due to rounding.  
<sup>2</sup> 2007 Sir Adam Beck 1 Non-Energy load charges include a \$0.7M IESO credit received in May 2007.  
<sup>3</sup> Values are consistent with Ex. L-01-088 Table 1 except for the inclusion of unregulated amounts and consistent with Ex. F4-T4-S1, Table 1.  
<sup>4</sup> Table 1 includes IESO non-energy charges for the Kipling Complex. Corporate Facilities amounts were not included in the Total OPG IESO non-energy charges in Ex. F4-T4-S1, Table 1.

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1 The Kipling Complex is a wholesale customer resulting from its legacy direct connection  
 2 to the transmission system. As a result of this connection it is invoiced directly by the  
 3 IESO for non-energy charges. 700 University Ave is a retail customer supplied by a local  
 4 distribution company. Typically electricity distributors and resellers do not specify non-  
 5 energy load charges on their customer's invoices and therefore IESO non-energy  
 6 charges for 700 University have not been included in Table 1.

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 8 Table 2 below provides energy withdrawals in MWh for the period from 2007 – 2012.  
 9 2007 – 2009 are actual withdrawals and 2010 – 2012 are forecast withdrawals. For  
 10 corporate facilities, energy withdrawals are provided for both the Kipling Complex and  
 11 700 University Ave.  
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	<b>2007</b>	<b>2008</b>	<b>2009</b>	<b>2010</b>	<b>2011</b>	<b>2012</b>
Darlington	155,583.160	123,854.713	176,872.126			
Pickering A	202,791.890	262,972.581	224,798.129			
Pickering B	430,679.659	387,846.789	434,972.587			
<b>Total Nuclear</b>	<b>789,054.709</b>	<b>774,674.083</b>	<b>836,642.842</b>	<b>807,164</b>	<b>807,164</b>	<b>807,164</b>
Saunders	16.494	20.372	6.238			
Sir Adam Beck 1	24,094.095	23,349.137	33,666.085			
Sir Adam Beck 2	7,121.945	8,310.157	3,590.763			
Sir Adam Beck PGS	268,720.694	269,171.235	246,814.589			
DeCew	2,143.934	1,377.555	983.038			
<b>Total Reg Hydro</b>	<b>302,097.162</b>	<b>302,228.456</b>	<b>285,060.713</b>	<b>300,658</b>	<b>300,658</b>	<b>300,658</b>
<b>Total Unregulated (Thermal and Unregulated Hydro)</b>	<b>734,920.755</b>	<b>691,452.800</b>	<b>721,016.338</b>	<b>504,726</b>	<b>504,726</b>	<b>504,726</b>
<b>Total<sup>6</sup></b>	<b>1,826,073</b>	<b>1,768,355</b>	<b>1,842,720</b>	<b>1,612,548</b>	<b>1,612,548</b>	<b>1,612,548</b>
<b>Corporate Facilities<sup>7</sup></b>	<b>21,478</b>	<b>21,745</b>	<b>21,188</b>	<b>20,871</b>	<b>20,944</b>	<b>20,944</b>

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<sup>5</sup> Numbers may not add due to rounding.

<sup>6</sup> Consistent with Ex. L-01-088 Table 2 except for the inclusion of unregulated amounts.

<sup>7</sup> Corporate Facilities includes energy withdrawals for the Kipling Complex and 700 University. Non-OPG commercial tenant energy withdrawals have been excluded from the Corporate Facilities total. Corporate Facilities amounts were not included in the Total OPG IESO non-energy charges in Ex. F4-T4-S1, Table 1.

1 IESO non-energy charges are based on the withdrawal quantities (energy  
2 consumption) shown in Table 2 above except for transmission-related charges,  
3 which are based on monthly peak demand.