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# BOMA INTERROGATORY #37

- <sup>2</sup> **Issue 2.1** Is the Operating Budget of \$5,749 thousand allocated to Goal 2 reasonable?
- 3 INTERROGATORY

Reference: Exhibit B, Tab 2, Schedule 1, Page 2 of 11: "To integrate conservation, the
 division develops conservation forecasts that include assessment of the impacts of
 codes and standards, incentive-driven efficiency programs and rate designs. Current
 conservation performance is also integrated to inform updates to conservation plans.
 PSP will support the development of conservation reports."

37)Please file a table indicating the amount of conservation from codes and standards
 that have been allocated towards the achievement of the provincial conservation
 target from 2005 to 2013, and estimates for 2014, 2015 and 2016. What is the
 source for this data? Has the OPA done any research to determine the actual
 impact of codes and standards? If so, please file the results of this research.

14 **RESPONSE** 

The estimated electricity savings from codes and standards are provided below for the years 2006-2016. The OPA does not have this information for its inaugural year.

	2006	2007	2008	2009	2010	2011	2012	2013	2014	2015	2016
Energy Savings (TWh)	0.0	0.1	0.2	0.3	0.5	1.0	1.6	1.8	1.8	2.1	2.5

17

1

Electricity savings from codes and standards are estimated by the OPA on an end-use 18 basis; an accepted industry practice. Specifically, for each end use that is affected by 19 improved building codes and equipment standards, electricity savings are calculated 20 based on the difference between a baseline technology and the efficiency level resulting 21 from the implementation of the codes and standards. The total savings across all 22 affected end-uses represents the savings from codes and standards. The OPA 23 considers the impact of regulations in place since 2005 and of regulations that are 24 expected to be in place in the future. 25

Although to date the OPA has not undertaken a codes and standards evaluation to formally assess impacts, the OPA plans to launch such an evaluation in the coming months to further refine our understanding of their effects.

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# BOMA INTERROGATORY #38

<sup>2</sup> **Issue 2.1** Is the Operating Budget of \$5,749 thousand allocated to Goal 2 reasonable?

### 3 INTERROGATORY

1

Reference: Exhibit B, Tab 2, Schedule 1, Page 5 of 11: "As Ontario's conservation delivery framework evolves, the division will provide advice and planning input on implementation, target setting and integration of conservation as a first resource at the provincial and regional level. Key initiatives in support of these activities include maintaining assessments of the cost effectiveness of conservation, and developing long-term conservation plans.

38)Please provide the avoided costs used to assess the cost effectiveness of
 conservation from 2005 to 2014 and the estimated avoided costs used for 2015 and
 2016.

#### 13 **RESPONSE**

- 14 The avoided costs used to assess the cost effectiveness of conservation programs
- implemented between 2005 and 2014 are shown in Table 1 on the following page. The
- estimated avoided costs that have been developed for 2015 and 2016 conservation
- 17 programs are shown in Table 2 on page 3 of this exhibit.

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- **Table 1:** Avoided costs used to assess the cost effectiveness of conservation programs
- <sup>2</sup> implemented between 2005 and 2014.

Year	Winter			Summer			Shoulder				
	On Peak	Mid-Peak	Off-Peak	On Peak	Mid-Peak	Off-Peak	Mid-Peak	Off Peak	Generation	Transmission	Distribution
2008	\$71.48	\$68.32	\$35.74	\$73.41	\$59.46	\$34.34	\$38.23	\$29.26	\$133.10	\$3.40	\$4.30
2009	\$68.14	\$56.46	\$36.19	\$67.63	\$57.24	\$34.04	\$39.06	\$28.63	\$133.10	\$3.40	\$4.30
2010	\$60.94	\$58.53	\$62.12	\$62.12	\$54.57	\$34.27	\$36.62	\$26.75	\$133.10	\$3.40	\$4.30
2011	\$56.93	\$53.55	\$32.12	\$62.47	\$52.75	\$31.51	\$35.04	\$26.43	\$133.10	\$3.40	\$4.30
2012	\$57.88	\$58.31	\$32.49	\$62.93	\$53.76	\$31.83	\$33.72	\$23.38	\$133.10	\$3.40	\$4.30
2013	\$56.45	\$54.56	\$30.63	\$60.14	\$51.49	\$30.76	\$33.34	\$23.07	\$133.10	\$3.40	\$4.30
2014	\$57.04	\$55.44	\$30.88	\$60.67	\$51.90	\$31.21	\$34.98	\$25.37	\$133.10	\$3.40	\$4.30
2015	\$66.76	\$65.87	\$40.19	\$71.66	\$62.33	\$37.61	\$48.77	\$30.30	\$133.10	\$3.40	\$4.30
2016	\$68.26	\$66.48	\$44.31	\$73.58	\$64.74	\$38.91	\$49.68	\$29.95	\$133.10	\$3.40	\$4.30
2017	\$69.25	\$56.60	\$44.68	\$76.17	\$67.04	\$39.68	\$48.67	\$30.23	\$133.10	\$3.40	\$4.30
2018	\$70.33	\$58.44	\$45.01	\$75.80	\$68.50	\$39.73	\$51.49	\$30.07	\$133.10	\$3.40	\$4.30
2019	\$71.65	\$69.54	\$45.26	\$77.70	\$70.77	\$41.37	\$52.69	\$30.98	\$133.10	\$3.40	\$4.30
2020	\$70.12	\$65.26	\$41.61	\$74.22	\$66.54	\$39.45	\$44.80	\$31.16	\$133.10	\$3.40	\$4.30
2021	\$70.40	\$67.73	\$41.88	\$74.23	\$66.21	\$39.28	\$54.41	\$30.65	\$133.10	\$3.40	\$4.30
2022	\$65.74	\$63.65	\$37.42	\$68.00	\$59.75	\$35.86	\$42.50	\$27.31	\$133.10	\$3.40	\$4.30
2023	\$62.43	\$59.03	\$34.46	\$66.78	\$57.68	\$34.15	\$35.83	\$25.13	\$133.10	\$3.40	\$4.30
2024	\$61.86	\$57.71	\$34.73	\$67.93	\$58.67	\$34.86	\$35.92	\$26.19	\$133.10	\$3.40	\$4.30
2025	\$64.14	\$60.61	\$35.14	\$68.61	\$59.11	\$34.80	\$37.16	\$25.76	\$133.10	\$3.40	\$4.30
2026	\$68.27	\$65.33	\$37.03	\$69.93	\$61.00	\$36.81	\$45.58	\$27.09	\$133.10	\$3.40	\$4.30
2027	\$71.03	\$66.21	\$38.71	\$72.91	\$63.44	\$37.98	\$46.22	\$28,50	\$133.10	\$3.40	\$4.30
2028	\$71.03	\$66.21	\$38.71	\$72.91	\$63.44	\$37.98	\$46.22	\$28.50	\$133.10	\$3.40	\$4.30
2029	\$71.03	\$56.21	\$38.71	\$72.91	\$63.44	\$37.98	\$46.22	\$28.50	\$133.10	\$3.40	\$4.30
2030	\$71.03	\$56.21	\$38.71	\$72.91	\$63.44	\$37.98	\$46.22	\$28,50	\$133.10	\$3,40	\$4.30
2031	\$71.03	\$66.21	\$38.71	\$72.91	\$63.44	\$37.98	\$46.22	\$28.50	\$133.10	\$3.40	\$4.30
2032	\$71.03	\$66.21	\$38.71	\$72.91	\$63.44	\$37.98	\$46.22	\$28.50	\$133.10	\$3.40	\$4.30
2033	\$71.03	\$66.21	\$38.71	\$72.91	\$63.44	\$37.98	\$46.22	\$28.50	\$133.10	\$3.40	\$4.30
2034	\$71.03	\$56.21	\$38.71	\$72.91	\$63.44	\$37.98	\$46.22	\$28.50	\$133.10	\$3.40	\$4.30
2035	\$71.03	\$66.21	\$38.71	\$72.91	\$63.44	\$37.98	\$46.22	\$28,50	\$133.10	\$3.40	\$4.30
2036	\$71.03	\$66.21	\$38.71	\$72.91	\$63.44	\$37.98	\$46.22	\$28.50	\$133.10	\$3.40	\$4.30
2037	\$71.03	\$66.21	\$38.71	\$72.91	\$63.44	\$37.98	\$46.22	\$28.50	\$133.10	\$3.40	\$4.30
2038	\$71.03	\$56.21	\$38.71	\$72.91	\$63.44	\$37.98	\$46.22	\$28,50	\$133.10	\$3.40	\$4.30
2039	\$71.03	\$66.21	\$38.71	\$72.91	\$63.44	\$37.98	\$46.22	\$28.50	\$133.10	\$3.40	\$4.30
2040	\$71.03	\$56.21	\$38.71	\$72.91	\$63.44	\$37.98	\$46.22	\$28.50	\$133.10	\$3.40	\$4.30
2041	\$71.03	\$66.21	\$38.71	\$72.91	\$63.44	\$37.98	\$46.22	\$28.50	\$133.10	\$3.40	\$4.30
2042	\$71.03	\$66.21	\$38.71	\$72.91	\$63.44	\$37.98	\$46.22	\$28.50	\$133.10	\$3.40	\$4.30
2043	\$71.03	\$66.21	\$38.71	\$72.91	\$63.44	\$37.98	\$46.22	\$28.50	\$133.10	\$3.40	\$4.30
2044	\$71.03	\$66.21	\$38.71	\$72.91	\$63.44	\$37.98	\$46.22	\$28.50	\$133.10	\$3.40	\$4.30
2045	\$71.03	\$56.21	\$38.71	\$72.91	\$63.44	\$37.98	\$46.22	\$28.50	\$133.10	\$3.40	\$4.30
2046	\$71.03	\$66.21	\$38.71	\$72.91	\$63.44	\$37.98	\$46.22	\$28,50	\$133.10	\$3.40	\$4.30
2047	\$71.03	\$56.21	\$38.71	\$72.91	\$63.44	\$37.98	\$45.22	\$28.50	\$133.10	\$3.40	\$4.30
2048	\$71.03	\$56.21	\$38.71	\$72.91	\$63.44	\$37.98	\$46.22	\$28.50	\$133.10	\$3.40	\$4.30
2049	\$71.03	\$56.21	\$38.71	\$72.91	\$63.44	\$37.98	\$46.22	\$28,50	\$133.10	\$3,40	\$4.30
2050	\$71.03	\$66.21	\$38.71	\$72.91	\$63.44	\$37.98	\$46.22	\$28,50	\$133.10	\$3.40	\$4.30
							7			to avoided capa	+

3

4

Table 2: Estimated avoided costs updated in 2014. These costs are being finalized and
 intended for use in 2015 and 2016 cost effectiveness assessments. The final avoided costs
 will be published with the official Conservation Framework.

		Avoided Co	ost of Ene	rgy Produ	ction 2014\$	/MWh by	TOU Period	d	Avoided Ca	pacity Costs 2	2014\$/kW-yr
Year	Summer			Winter		Shoulder		At System Peak			
	<b>On-Peak</b>	Mid-Peak	Off-Peak	On-Peak	Mid-Peak	Off-Peak	Mid-Peak	Off-Peak	Generation	Transmission	Distribution
2015	\$46.53	\$43.38	\$37.76	\$33.65	\$38.83	\$31.87	\$47.55	\$40.77	-	\$3.83	\$4.73
2016	\$36.08	\$31.88	\$31.81	\$31.39	\$36.65	\$29.55	\$42.24	\$35.94	-	\$3.83	\$4.73
2017	\$40.97	\$34.96	\$28.72	\$27.98	\$38.38	\$30.74	\$38.39	\$33.51	\$162.15	\$3.83	\$4.73
2018	\$41.97	\$35.82	\$32.69	\$25.14	\$36.66	\$29.75	\$31.77	\$26.98	\$162.15	\$3.83	\$4.73
2019	\$40.71	\$38.57	\$34.37	\$37.43	\$43.06	\$34.67	\$36.72	\$32.90	\$162.15	\$3.83	\$4.73
2020	\$39.88	\$36.86	\$34.93	\$36.75	\$41.06	\$33.80	\$33.89	\$31.23	\$162.15	\$3.83	\$4.73
2021	\$47.28	\$45.16	\$44.50	\$43.91	\$48.41	\$44.82	\$40.19	\$38.99	\$162.15	\$3.83	\$4.73
2022	\$48.33	\$47.47	\$45.76	\$42.48	\$46.39	\$43.93	\$40.97	\$39.27	\$162.15	\$3.83	\$4.73
2023	\$42.94	\$42.84	\$42.41	\$41.86	\$46.18	\$42.58	\$35.85	\$33.64	\$162.15	\$3.83	\$4.73
2024	\$43.28	\$42.02	\$40.73	\$41.90	\$46.17	\$41.61	\$34.45	\$32.84	\$162.15	\$3.83	\$4.73
2025	\$44.37	\$43.42	\$42.15	\$40.28	\$43.89	\$39.21	\$36.29	\$36.05	\$162.15	\$3.83	\$4.73
2026	\$41.26	\$40.08	\$39.69	\$39.77	\$44.01	\$38.82	\$34.52	\$32.62	\$162.15	\$3.83	\$4.73
2027	\$44.01	\$41.72	\$41.89	\$39.32	\$42.89	\$38.96	\$41.17	\$39.10	\$162.15	\$3.83	\$4.73
2028	\$43.82	\$42.88	\$40.20	\$41.56	\$45.57	\$40.75	\$36.94	\$33.86	\$162.15	\$3.83	\$4.73
2029	\$45.32	\$43.69	\$41.06	\$40.96	\$44.43	\$40.30	\$39.97	\$39.19	\$162.15	\$3.83	\$4.73
2030	\$44.18	\$43.17	\$41.25	\$42.10	\$45.83	\$39.88	\$36.33	\$34.50	\$162.15	\$3.83	\$4.73
2031	\$43.53	\$42.40	\$40.04	\$40.95	\$43.95	\$38.57	\$38.45	\$37.29	\$162.15	\$3.83	\$4.73
2032	\$41.96	\$40.90	\$39.24	\$40.56	\$43.38	\$38.15	\$36.42	\$33.61	\$162.15	\$3.83	\$4.73
2033	\$41.96	\$40.90	\$39.24	\$40.56	\$43.38	\$38.15	\$36.42	\$33.61	\$162.15	\$3.83	\$4.73
2034	\$41.96	\$40.90	\$39.24	\$40.56	\$43.38	\$38.15	\$36.42	\$33.61	\$162.15	\$3.83	\$4.73

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# BOMA INTERROGATORY #39

- <sup>2</sup> **Issue 2.1** Is the Operating Budget of \$5,749 thousand allocated to Goal 2 reasonable?
- 3 INTERROGATORY

1

Reference: Exhibit B, Tab 2, Schedule 1, Page 5 of 11: "As Ontario's conservation delivery
 framework evolves, the division will provide advice and planning input on implementation,
 target setting and integration of conservation as a first resource at the provincial and
 regional level. Key initiatives in support of these activities include maintaining assessments
 of the cost effectiveness of conservation, and developing long-term conservation plans.

- 39) How did the government's decision with respect to defer nuclear new build affect the
   cost effectiveness?
- 11 RESPONSE

12 The development of avoided costs used for cost effectiveness did not consider the decision 13 to defer nuclear new build specifically. The avoided costs were developed based on the

collection of decisions reflected in the 2013 LTEP.

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# BOMA INTERROGATORY #40

<sup>2</sup> **Issue 2.1** Is the Operating Budget of \$5,749 thousand allocated to Goal 2 reasonable?

#### 3 INTERROGATORY

1

Reference: Exhibit B, Tab 2, Schedule 1, Page 5 of 11: "As Ontario's conservation delivery
 framework evolves, the division will provide advice and planning input on implementation,
 target setting and integration of conservation as a first resource at the provincial and
 regional level. Key initiatives in support of these activities include maintaining assessments
 of the cost effectiveness of conservation, and developing long-term conservation plans.

9 40) How are avoided costs determined for regional planning?

#### 10 RESPONSE

11 For regional planning, first, the provincial avoided cost is used to assess cost effectiveness,

and then, a region's specific characteristics and factors are considered for the feasibility and

effectiveness of additional conservation resources. These factors may include the local

supply/demand balance and investment requirements to address local constraints.

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### CME INTERROGATORY #2

<sup>2</sup> Issue 2.1 Is the Operating Budget of \$5,749 thousand allocated to Goal 2 reasonable?

### 3 INTERROGATORY

- 4 Ref: 2011-2013 Business Plan. Exhibit A-2-1; Exhibit B, Tab 2, Schedule 1, Page 1 of 11
- 5 Issue 2.1
- 6 CME 2

- 7 CME wishes to have a better understanding of the extent to which the OPA's Power
- 8 System Planning Division considers estimated overall electricity prices and total bills for
- 9 Ontario customers when developing plans for Ontario and when providing advice to
- 10 government on the status and outlook for electricity service. To this end, please provide the
- 11 following additional information:
- (a) Does the Power System Planning Division provide a future outlook, or otherwise 12 estimate overall electricity prices and total bills that Ontario customers will likely pay as 13 a result of the plans it develops for Ontario? If so, please describe the internal and/or 14 external resources that the OPA uses and the methods those resources supply to 15 develop such forward looking estimates. If not, please explain why the OPA would not 16 consider future electricity prices and the total bills Ontario consumers will likely pay 17 when developing plans for Ontario and providing advice to government on the status 18 and outlook for electricity service. 19
- (b) At Exhibit B-2-1, Page 1 OPA confirms that the Power System Planning Division 20 develops plans for Ontario, an ongoing process that supports the implementation of 21 government policies, directives and goals, and provides advice to government on the 22 status and outlook for electricity service. CME wishes to better understand the advice 23 that the Power System Planning Division has given to government on the outlook for 24 electricity service. Please produce the advice provided to government on the outlook of 25 electricity prices. If not, please provide an explanation as to why the outlook for 26 electricity prices would not be considered by the Power System Planning Division. 27
- (c) What studies, if any, has the Power System Planning Division commissioned or
   conducted, either internally or externally, to assess the ability of various sectors in
   Ontario's economy, and in particular the manufacturing sector, to withstand electricity
   price increases? If any such studies have been undertaken, please produce those
   studies. If not, please provide an explanation as to why the Power System Planning
   Division has not considered such information in developing plans for Ontario.
- (d) Are the electricity prices paid by manufacturers that compete with Ontario
   manufacturers and are located in neighbouring jurisdictions or in other areas of North

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- America or elsewhere in the world taken into account by the OPA in developing
- 2 Ontario's power system plan? If so, please describe the internal and external resources
- <sup>3</sup> of the OPA used to undertake such an assessment, and produce any written reports,
- 4 memoranda, or PowerPoints addressing this issue.

# 5 <u>RESPONSE</u>

a) The Power System Planning Division does produce different forecasts of electricity 6 prices by sector. Electricity price forecasts are a component of the advice provided to 7 government on plans and options to meet electricity system requirements. These prices 8 are also used in the downstream analysis related to forecasts of electricity consumption, 9 as it is assumed that energy prices will have an influence on the choice of appliances or 10 equipment purchased and installed. The forecast tracks equipment and building stocks 11 over time and simulates technology acquisition in the economy. Equipment stock 12 changes because of new additions as well as by the replacement of retired equipment 13 at the end of its lifespan. The choice of which equipment is bought and installed is 14 influenced by the energy costs to operate the equipment as well as the initial capital 15 cost at purchase. In addition to this longer term price response, short term behavioural 16 responses to prices, that reflect changes in how equipment is used (without changing 17 the equipment itself), are assessed. 18

For upstream issues, such as the level of industrial output which drives equipment purchases, PSP relies on independent economic forecasts, industry intelligence where available as well as increments or decrements associated with specific plant additions or shut downs. The OPA itself has not carried out a quantitative analysis of the impact of electricity prices on the weighted cost of goods and services and factors of production. These factors typically would be considered in GDP analysis which the OPA obtains from independent third parties.

- b) In developing advice to government on plans for electricity service and on options to
  meet requirements, the OPA outlines projections of outcomes such as adequacy,
  reliability, cost and emissions. In the development of the 2013 LTEP, the OPA provided
  analytical support to the government's decision making. An example of the advice
  provided on costs and prices for the supply mix selected by the government for 2013
  LTEP can be found on the OPA's website at <a href="http://www.powerauthority.on.ca/power-planning/long-term-energy-plan-2013">http://www.powerauthority.on.ca/power-</a>
  planning/long-term-energy-plan-2013 in module 4: Cost of Electricity Service.
- c) The OPA has not undertaken studies to "assess the ability of various sectors in
   Ontario's economy, and in particular the manufacturing sector, to withstand electricity
   price increases." With reference to the manufacturing sector, the OPA relies on
   independent economic forecasts, industry intelligence where available as well as
   increments or decrements associated with specific plant additions or shutdowns. It is
   assumed that the independent economic forecasts have considered many factors of
   industrial competitiveness in the development of their forecasts.

- d) The OPA does not explicitly factor the prices paid by manufacturers in competing
- <sup>2</sup> jurisdictions into its plans. As stated, the OPA relies on independent economic
- <sup>3</sup> forecasts of industrial output to develop its plans. It is assumed that the independent
- 4 economic forecasts have considered factors related to industrial competitiveness in the
- <sup>5</sup> development of their forecasts.

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### **SEC INTERROGATORY #3**

- 2 **Issue 2.1** Is the Operating Budget for \$5,749 thousand allocated to Goal 2 reasonable?
- 3 INTERROGATORY
- 4 2.1-SEC-3

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5 [B1-2-1/p.7] Please complete the following table.

Major Cost Category	2011 Board Approved	2011 Actual	2012 Actual	2013 Actual	2014 Budget
Compensation & Benefits					
Professional & Consulting Fees					
Conservation/Technology Funds					
Operation and Administration Expenses					
Total Operation Costs Before Allocation					
Shared Services Allocation Expenses					
Total Operating Costs After Allocation					

6

### 7 RESPONSE

- 8 The table, as requested for the Power System Planning division, is as follows:
- 9

2011 Board-approved Budget, 2011 Actual, 2012 Actual, 2013 Actual and 2014 Budget

	(\$'	000)			
	2011 Budget	2011	2012	2013	2014
Major Cost Category	Board-approved	Actual	Actual	Actual	Budget
Compensation & Benefits	4,876	5,229	4,916	4,961	4,971
Professional & Consulting Fees	874	782	225	14	385
Operating & Administration Expenses	320	157	174	267	393
Fotal Operating Costs Before Allocation	6,070	6,168	5,314	5,242	5,749
Shared Services Allocated Expenses	9,327	8,263	7,621	7,518	7,531
Fotal Operating Costs After Allocation	15,397	14,431	12,935	12,760	13,280

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### VECC INTERROGATORY #9

- <sup>2</sup> **Issue 2.1** Is the Operating Budget of \$5,749 thousand allocated to Goal 2 reasonable?
- 3 INTERROGATORY
- 4 2.1-VECC-9

1

- 5 Reference: B1/T2/S1/pg.7 & D/T2/S1
- a) Please explain the increase in the Professional and Consulting fees as between
   2013 actuals and 2014 forecast.
- b) Please list all proposed consulting /professional projects and the forecast cost which
   are contemplated in the 2014 budget.
- c) Please provide the consulting and professional fees for 2012.
- 11 RESPONSE
- a) Please refer to D-2-2, Pages 2 and 3 for the analysis of the increase in Power System
   Planning Professional and Consulting fees between 2013 actual and 2014 forecast.
- b) Please see below for a list of consulting/professional projects forecasted in 2014:

GOAL 2 - POWER SYSTEM PLANNING - Project Costs (000s)	2014
Load Forecasting Support	83
Planning Studies	212
Corporate Support	89
Total Project Expenditures	\$ 385

15

16

c) The Goal 2 Professional and Consulting fees for 2012 were \$225 thousand.

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# VECC INTERROGATORY #10

- <sup>2</sup> **Issue 2.1** Is the Operating Budget of \$5,749 thousand allocated to Goal 2 reasonable?
- 3 INTERROGATORY
- 4 2.1-VECC-10
- 5 Reference: B/T2/S1/pg.2
- a) Please provide the budget for 2014 for each of the key work areas demand forecasting/resource integration.

#### 8 RESPONSE

Please see below for the breakdown of the 2014 budget by demand forecasting and
 resource integration.

		2014		
Major Cost Category (000s)		Budget		
Load/Demand Forecasting	\$	83		
Resource Integration	\$	64		
*Includes Professional and Consulting and Operating & Administration				

11

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### VECC INTERROGATORY #11

- <sup>2</sup> **Issue 2.1** Is the Operating Budget of \$5,749 thousand allocated to Goal 2 reasonable?
- 3 INTERROGATORY
- 4 2.1-VECC-11
- 5 Reference: B/T2/S1/pg.1-6
- a) Please provide a breakdown of the 2014 budget estimates for the four initiatives
   being undertaken by this division.

### 8 <u>RESPONSE</u>

9 Provided below is a breakdown of the 2014 budget estimates by functional area.

10

1

	2014
Major Cost Category - Functional Area	Budget
VP Office	\$ 5,406
Resource Integration	\$ 64
Transmission Integration	\$ 196
Conservation Integration	\$ 83
Total	\$ 5,749

11 12 13

14

The VP Office includes all Compensation & Benefit expenditures for the Power System Planning division.

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# VECC INTERROGATORY #12

- <sup>2</sup> **Issue 2.1** Is the Operating Budget of \$5,749 thousand allocated to Goal 2 reasonable?
- 3 INTERROGATORY
- 4 2.1-VECC-12
- 5 Reference: B/T2/S1 & C/T2/S1/pg.5
- a) Please provide the FTEs allocated to the Power System Planning division for 2011,
   2012, 2013 and 2014.
- 8 <u>RESPONSE</u>

Please see below for the FTEs allocated to the Power System Planning division for the
 period from 2011 to 2014.

11

1

Goal 2 - Power System Planning	2011	2012	2013	2014
Total	42	37	35	36

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# VECC INTERROGATORY #13

- <sup>2</sup> **Issue 2.1** Is the Operating Budget of \$5,749 thousand allocated to Goal 2 reasonable?
- 3 INTERROGATORY
- 4 2.1-VECC-13

1

- 5 Reference: A-4-1 Updated
- a) Please provide the total compensation costs of this division for executive positions
   (i.e. Directors reporting to and including VP Power System Planning) and as shown
   in Exhibit A-4-1 Updated.
- b) Please provide the number of FTEs reporting to each of the 5 Directors under the
   VP position.
- c) Please explain why there are two Directors of Transmission and Integration.
- 12 **RESPONSE**

- a) Please note that the OPA defines executive positions as the CEO and Vice
   Presidents.
- Please see below for the total compensation costs for the Vice President of Power
   System Planning and the PSP Directors.

Goal 2 - Power System Planning FTEs	2014
Total Compensation VP & Directors (000's)	\$1,521

17

18

b) Please see below for a listing of number of FTEs by Director.

Goal 2 - Power System Planning FTEs	2014
Director - Transmission Integration	9
<b>Director - Transmission Integration</b>	8
Director - Resource Integration	5
Director - Resource Integration	6
<b>Director - Conservation Integration</b>	6
Total	34

19

c) The two Directors of Transmission Integration within the Power System Planning division are each responsible for overseeing transmission system planning for Filed: July 3, 2014 EB-2013-0326 Exhibit I Tab 2 Schedule 5.13 VECC 13 Page 2 of 2

different geographic regions of the province. The scope of work includes bulk 1 system planning; regional planning; the integration of conservation, transmission and 2 distributed generation projects; processes confirming connection capacity for 3 renewable and clean energy resources; and engagement with Stakeholders and 4 consultation with Aboriginal Groups. In addition, and in support of other entities 5 applications, Transmission Integration is responsible for developing and defending 6 evidence on the need and rationale for power system infrastructure requiring Ontario 7 Energy Board and/or Environmental Assessment approvals. The broad geography, 8 scope and scale of work coupled with the flat organizational structure (where 9 planning analysts, planners and senior planners report directly to Directors, because 10 the Manager level is not used) requires two Directors of Transmission Integration. 11

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### **ENERGY PROBE INTERROGATORY #9**

- <sup>2</sup> **Issue 2.1** Is the Operating Budget of \$5,749 thousand allocated to Goal 2 reasonable?
- 3 INTERROGATORY
- 4 2.1-Energy Probe-9
- 5 Ref: Exhibit B, Tab 2, Schedule 1, Page 7
- 6 Preamble:

1

7 Please provide the specific outcomes related to the 2014 budget such as Regional

8 Studies Completed. Where possible please provide quantitative longer term outcomes

<sup>9</sup> such as transmission capacity/kilometers of line, Demand Response and CDM Gwh and

<sup>10</sup> Peak savings. Relate these outcomes to the Goals of the Conservation and as

applicable, other groups at OPA.

### 12 **RESPONSE**

The OPA leads the Integrated Regional Resource Planning ("IRRP") process under the 13 OEB's Renewed Regulatory Framework for Electricity in accordance with the OPA's 14 amended license. The outcome of the IRRP process is an electricity service plan that 15 integrates elements of conservation and demand management, distributed generation, 16 transmission, and/or distribution investments to meet regional needs in the near-term 17 and medium-term periods, while considering longer-term context and options. 18 Experience with the IRRP process so far indicates that Conservation and distributed 19 generation can supply part of the future demand growth in local areas and thus, can 20 reduce the need for infrastructure expansion. 21

In 2014, the OPA anticipates completing IRRPs for the Central Toronto, Kitchener Waterloo-Cambridge-Guelph, Brant, and North of Dryden areas.

The outcomes of the IRRP process are not measured by the metrics requested in the interrogatory. The process of planning identifies needs and requirements that are then implemented by the appropriate stakeholder, including the OPA, a transmitter, or local distribution company.

The goals of other divisions within the OPA, such as Conservation and Electricity Resources, relate to the outcomes of the IRRP process where implementation of IRRP recommendations require Conservation planning, measurement and verification, or procurements.

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# **AMPCO INTERROGATORY #7**

- <sup>2</sup> **Issue 2.1** Is the Operating Budget of \$5,749 thousand allocated to Goal 2 reasonable?
- 3 INTERROGATORY
- 4 2.1-AMPCO-7
- 5 Ref: B-2-1

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6 a) Please explain the government's open data initiative.

### 7 RESPONSE

- 8 The Government of Ontario's open data initiative, as part of the Premier's commitment
- <sup>9</sup> to open government, is an ongoing discussion on how to make information easier to
- 10 find, understand and use, and accessible to the citizens of Ontario. More information on
- the open data initiative can be found on the Government of Ontario's website at:
- 12 <u>https://www.ontario.ca/government/open-government</u>.