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February 17, 2017

VIA RESS AND COURIER

Ms. Kirsten Walli
Board Secretary
Ontario Energy Board
P.O. Box 2319
2300 Yonge Street, 27th Floor
Toronto, ON M4P 1E4

Dear Ms. Walli:

Re: EB-2016-0152 – Updated OPG Witness Panels (Ex. A1-9-1), pursuant to OEB Procedural Order No. 7

Enclosed is a revised Ex. A1-9-1 Witness Panels and Evidence Responsibilities, which has been adjusted to support the modified hearing schedule set out in Procedural Order No. 7, issued by the OEB earlier today. OPG has submitted these documents through the Regulatory Electronic Submissions System and is providing fourteen (14) paper copies. This material will also be available on OPG's website at www.opg.com.

The changes to Ex. A1-9-1 are detailed below.

1. In order to support the revised hearing schedule and to accommodate the availability of expert witnesses, Panel 2 has been divided into Panels 2Ai and 2Aii. The updated Ex. A1-9-1 identifies the issues, interrogatory responses and undertakings for which each panel will be responsible.
 - Panel 2Ai is responsible for issues related to the proposed hydroelectric incentive rate-setting framework (Issues 10.2 and 11.1). Ms. Julia Frayer of London Economics International LLC will be a member of Panel 2Ai. Ms. Frayer will not be a member of Panel 2Aii.
 - Panel 2Aii is responsible for the remainder of the issues previously identified for Panel 2, including the proposed nuclear incentive rate-setting framework, business planning (Issue 1.2), and general matters in the application such as the proposed off-ramp (Issue 11.7).
2. Panel 3 has been divided into Panels 3A and 3B. Panel 3A will have an IESO witness to explain factors relevant to Pickering Extended Operations, including the cost-benefit analysis performed by the IESO, in accordance with the OEB's February 16, 2017 Decision and Order on Motion Filed by Environmental Defence. Panel 3B will be comprised of the OPG witnesses previously identified for Panel 3. The updated Ex. A1-9-1 identifies the issues,

interrogatory responses and undertakings for which each panel will be responsible.

- Panel 3A is responsible for Issue 6.5 related to the IESO's assessment of Pickering extended operations.
 - Panel 3B is responsible for the remainder of the issues previously identified for Panel 3, including various aspects of Pickering extended operations (Issue 6.5).
3. The updated Ex. A1-9-1 includes recently filed Ex. C2-1-2 Nuclear Waste Management and Decommissioning – Supplementary Information and minor corrections to the assignment of interrogatory responses to Panels 4 and 5B.

Yours truly,

[Original signed by]

Barbara Reuber

cc: John Beauchamp (OPG) via e-mail
Charles Keizer (Torys) via e-mail
Crawford Smith (Torys) via e-mail

WITNESS PANELS AND EVIDENCE RESPONSIBILITIES

Panel	Witnesses	Pre-filed Evidence	Issues ¹	Interrogatories / Undertakings		
1A. DARLINGTON REFURBISHMENT PROGRAM OVERVIEW <ul style="list-style-type: none"> • Approvals sought • Oversight of DRP • Interface with the province/off-ramps • Interface with OPG Board • LTEP principles • Management team • Program structure 	Jeff Lyash Dietmar Reiner	Ex. D2-2-1 (except section 4.4) Ex.D2-2-2 Ex. D2-2-9 (section 8) Ex.D2-2-11, Attachment 3	Primary: 4.1, 4.3, 4.5, and 10.4, as they relate to the topics set out under the panel description	L-1.2-2 AMPCO-9 L-4.1-5 CCC-16 L-4.1-5 CCC-17 L-4.3-1 Staff-44 L-4.3-1 Staff-46 L-4.3-1 Staff-50 L-4.3-1 Staff-55 L-4.3-1 Staff-63 L-4.3-1 Staff-68 L-4.3-1 Staff-72 L-4.3-2 AMPCO-53 L-4.3-2 AMPCO-78 L-4.3-2 AMPCO-85 L-4.3-2 AMPCO-89 L-4.3-2 AMPCO-100 L-4.3-2 AMPCO-103	L-4.3-3 CME-1 L-4.3-3 CME-14 L-4.3-3 CME-18 L-4.3-6 EP-13 L-4.3-6 EP-19 L-4.3-7 ED-14 L-4.3-7 ED-15 L-4.3-7 ED-16 L-4.3-8 GEC-7 L-4.3-8 GEC-8 L-4.3-8 GEC-9 L-4.3-8 GEC-12 L-4.3-8 GEC-15 L-4.3-15 SEC-19 L-4.3-15 SEC-24 L-4.3-15 SEC-30 L-4.3-15 SEC-35 L-4.3-15 SEC-37	L-4.5-5 CCC-22 L-4.5-5 CCC-23 L-4.5-8 GEC-6 L-4.5-8 GEC-13 L-10.4-1 Staff-222 L-10.4-20 VECC-43 L-10.4-20 VECC-44 L-11.7-6 EP-35 JT1.8 ² JT1.15 JT1.22
1B. DARLINGTON REFURBISHMENT PROGRAM	Dietmar Reiner Gary Rose Leo Saagi	Ex. D2-2-1 Ex. D2-2-2 Ex. D2-2-3 Ex. D2-2-4 Ex. D2-2-5 Ex. D2-2-6 Ex. D2-2-7 Ex. D2-2-8 Ex. D2-2-9 Ex. D2-2-10 Ex. D2-2-11	Primary: 4.1, 4.3, 4.5, 6.4, 10.4	L-1.2-2 AMPCO-9 L-1.3-6 EP-3 L-2.2-1 Staff-8 L-2.2-1 Staff-9 L-4.1-5 CCC-16 L-4.1-5 CCC-17 L-4.2-1 Staff-36 (c)	L-4.3-2 AMPCO-80 L-4.3-2 AMPCO-81 L-4.3-2 AMPCO-82 L-4.3-2 AMPCO-83 L-4.3-2 AMPCO-84 L-4.3-2 AMPCO-85 L-4.3-2 AMPCO-86 L-4.3-2 AMPCO-87 L-4.3-2 AMPCO-88 L-4.3-2 AMPCO-89 L-4.3-2 AMPCO-90 L-4.3-2 AMPCO-91	L-4.3-15 SEC-26 L-4.3-15 SEC-27 L-4.3-15 SEC-28 L-4.3-15 SEC-29 L-4.3-15 SEC-31 L-4.3-15 SEC-32 L-4.3-15 SEC-33 L-4.3-15 SEC-34 L-4.3-15 SEC-35 L-4.3-15 SEC-36 L-4.3-15 SEC-37 L-4.3-15 SEC-38

¹ Secondary issues are not listed as they will proceed by way of written hearing.

² Only Attachments 1-18 and 31-33.

Panel	Witnesses	Pre-filed Evidence	Issues ¹	Interrogatories / Undertakings		
				L-4.3-1 Staff-44	L-4.3-2 AMPCO-93	L-4.3-15 SEC-39
				L-4.3-1 Staff-45	L-4.3-2 AMPCO-94	L-4.3-15 SEC-41
				L-4.3-1 Staff-46	L-4.3-2 AMPCO-95	L-4.3-20 VECC-3
				L-4.3-1 Staff-47	L-4.3-2 AMPCO-96	L-4.3-20 VECC-14
				L-4.3-1 Staff-48	L-4.3-2 AMPCO-97	L-4.3-20 VECC-15
				L-4.3-1 Staff-49	L-4.3-2 AMPCO-98	L-4.3-20 VECC-17
				L-4.3-1 Staff-50	L-4.3-2 AMPCO-99	L-4.3-20 VECC-18
				L-4.3-1 Staff-51	L-4.3-2 AMPCO-100	
				L-4.3-1 Staff-52	L-4.3-2 AMPCO-101	L-4.5-1 Staff-78
				L-4.3-1 Staff-53	L-4.3-2 AMPCO-102	L-4.5-1 Staff-79
				L-4.3-1 Staff-54	L-4.3-2 AMPCO-103	L-4.5-2 AMPCO-105
				L-4.3-1 Staff-55	L-4.3-2 AMPCO-104	L-4.5-2 AMPCO-106
				L-4.3-1 Staff-56	L-4.3-3 CME-1	L-4.5-2 AMPCO-107
				L-4.3-1 Staff-57	L-4.3-3 CME-13	L-4.5-5 CCC-22
				L-4.3-1 Staff-58	L-4.3-3 CME-14	L-4.5-5 CCC-23
				L-4.3-1 Staff-59	L-4.3-3 CME-15	L-4.5-6 EP-20
				L-4.3-1 Staff-60	L-4.3-3 CME-16	L-4.5-7 ED-6
				L-4.3-1 Staff-61	L-4.3-3 CME-17	L-4.5-7 ED-7
				L-4.3-1 Staff-63	L-4.3-3 CME-18	L-4.5-7 ED-8
				L-4.3-1 Staff-64	L-4.3-3 CME-19	L-4.5-8 GEC-4
				L-4.3-1 Staff-65	L-4.3-3 CME-20	L-4.5-8 GEC-6
				L-4.3-1 Staff-66	L-4.3-3 CME-21	L-4.5-8 GEC-13
				L-4.3-1 Staff-67	L-4.3-5 CCC-18	L-4.5-20 VECC-1
				L-4.3-1 Staff-68	L-4.3-5 CCC-19	L-4.5-20 VECC-2
				L-4.3-1 Staff-69	L-4.3-5 CCC-20	L-4.5-20 VECC-16
				L-4.3-1 Staff-70	L-4.3-6 EP-9	
				L-4.3-1 Staff-71	L-4.3-6 EP-10	L-5.1-1 Staff-82
				L-4.3-1 Staff-72	L-4.3-6 EP-11	(d)&(e)(ii)(iii)
				L-4.3-1 Staff-73	L-4.3-6 EP-12	
				L-4.3-1 Staff-74	L-4.3-6 EP-13	L-6.4-1 Staff-113
				L-4.3-1 Staff-75	L-4.3-6 EP-14	L-6.4-2 AMPCO-119
				L-4.3-2 AMPCO-30	L-4.3-6 EP-15	L-6.4-2 AMPCO-120
				L-4.3-2 AMPCO-31	L-4.3-6 EP-16	L-6.4-10 LOW-1
				L-4.3-2 AMPCO-32	L-4.3-6 EP-17	L-6.4-10 LOW-2
				L-4.3-2 AMPCO-33	L-4.3-6 EP-18	L-6.4-10 LOW-3
				L-4.3-2 AMPCO-34	L-4.3-6 EP-19	L-6.4-10 LOW-4
				L-4.3-2 AMPCO-35	L-4.3-7 ED-1	L-6.4-20 VECC-28
				L-4.3-2 AMPCO-36	L-4.3-7 ED-2	

Panel	Witnesses	Pre-filed Evidence	Issues ¹	Interrogatories / Undertakings		
				L-4.3-2 AMPCO-37	L-4.3-7 ED-3	L-6.6-1 Staff-143
				L-4.3-2 AMPCO-38	L-4.3-7 ED-4	(a)&(b) ⁴
				L-4.3-2 AMPCO-39	L-4.3-7 ED-10	L-6.6-2 AMPCO-135
				L-4.3-2 AMPCO-40	L-4.3-7 ED-11	(h)&(i)
				L-4.3-2 AMPCO-41	L-4.3-7 ED-12	
				L-4.3-2 AMPCO-42	L-4.3-7 ED-13	L-10.4-1 Staff-222
				L-4.3-2 AMPCO-43	L-4.3-7 ED-15	L-10.4-1 Staff-223
				L-4.3-2 AMPCO-44	L-4.3-7 ED-16	L-10.4-2 AMPCO-154
				L-4.3-2 AMPCO-45	L-4.3-8 GEC-2	L-10.4-2 AMPCO-155
				L-4.3-2 AMPCO-46	L-4.3-8 GEC-3	L-10.4-5 CCC-41 ⁵
				L-4.3-2 AMPCO-47	L-4.3-8 GEC-7	L-10.4-20 VECC-43
				L-4.3-2 AMPCO-48	L-4.3-8 GEC-8	L-10.4-20 VECC-44
				L-4.3-2 AMPCO-49	L-4.3-8 GEC-9	
				L-4.3-2 AMPCO-50	L-4.3-8 GEC-10	L-11.7-6 EP-35
				L-4.3-2 AMPCO-51	L-4.3-8 GEC-11	
				L-4.3-2 AMPCO-52	L-4.3-8 GEC-12	JT1.1
				L-4.3-2 AMPCO-53	L-4.3-8 GEC-14	JT1.2
				L-4.3-2 AMPCO-54	L-4.3-8 GEC-15	JT1.3
				L-4.3-2 AMPCO-55	L-4.3-12 OAPPA-2	JT1.4
				L-4.3-2 AMPCO-56	L-4.3-12 OAPPA-7	JT1.5
				L-4.3-2 AMPCO-57	L-4.3-12 OAPPA-8	JT1.6
				L-4.3-2 AMPCO-58	L-4.3-12 OAPPA-9	JT1.7
				L-4.3-2 AMPCO-59	L-4.3-7 PWU-7 ³	JT1.8
				L-4.3-2 AMPCO-60	L-4.3-13 PWU-8	JT1.9
				L-4.3-2 AMPCO-61	L-4.3-13 PWU-9	JT1.10
				L-4.3-2 AMPCO-62	L-4.3-15 SEC-10	JT1.11
				L-4.3-2 AMPCO-63	L-4.3-15 SEC-11	JT1.12
				L-4.3-2 AMPCO-64	L-4.3-15 SEC-12	JT1.13
				L-4.3-2 AMPCO-65	L-4.3-15 SEC-13	JT1.14
				L-4.3-2 AMPCO-66	L-4.3-15 SEC-14	JT1.15
				L-4.3-2 AMPCO-67	L-4.3-15 SEC-15	JT1.16
				L-4.3-2 AMPCO-68	L-4.3-15 SEC-16	JT1.17 (A), (C-E)
				L-4.3-2 AMPCO-69	L-4.3-15 SEC-17	JT1.18

³ This IR was incorrectly labeled in the header – it should have been identified as Schedule 13 as opposed to Schedule 7.

⁴ For L-6.6-1 Staff-143, the DRP Panel 1B will speak to parts a and the DRP portions of part b only.

⁵ Although the footer lists Panel 2 Overview, Rate-setting Framework as the responsible witness panel, the DRP-B panel will speak to L-10.4-5 CCC-41.

Panel	Witnesses	Pre-filed Evidence	Issues ¹	Interrogatories / Undertakings		
				L-4.3-2 AMPCO-70 L-4.3-2 AMPCO-71 L-4.3-2 AMPCO-72 L-4.3-2 AMPCO-73 L-4.3-2 AMPCO-74 L-4.3-2 AMPCO-75 L-4.3-2 AMPCO-76 L-4.3-2 AMPCO-77 L-4.3-2 AMPCO-78 L-4.3-2 AMPCO-79	L-4.3-15 SEC-18 L-4.3-15 SEC-19 L-4.3-15 SEC-20 L-4.3-15 SEC-21 L-4.3-15 SEC-22 L-4.3-15 SEC-23 L-4.3-15 SEC-24 L-4.3-15 SEC-25	JT1.19 JT1.20 JT1.21 JT1.22 JT1.23 JT1.25 JT1.26 JT2.7
1C. DARLINGTON REFURBISHMENT PROGRAM PEGASUS REPORT	Patricia Galloway	Ex. D2-2-11, Attachment 3	Primary: 4.3	L-4.3-1 Staff-73 L-4.3-2 AMPCO-102 L-4.3-8 GEC-5	L-4.3-15 SEC-22 L-4.3-15 SEC-40 L-4.3-20 VECC-4	JT1.8 JT1.24
2Ai. HYDROELECTRIC RATE-SETTING FRAMEWORK	Chris Fralick Randy Pugh Julia Frayer (LEI)	Ex. A1-3-2 (section 2 only) Ex. A1-4-2* Ex. A1-6-1* Ex. A1-7-1* *As they relate to the issues identified for this panel	Primary: 10.2, 11.1	L-10.2-1 Staff-219 L-10.2-1 Staff-220 L-11.1-1 Staff-224 L-11.1-1 Staff-225 L-11.1-1 Staff-226 L-11.1-1 Staff-227 L-11.1-1 Staff-228 L-11.1-1 Staff-229 L-11.1-1 Staff-230 L-11.1-1 Staff-232 L-11.1-1 Staff-233 L-11.1-1 Staff-234 L-11.1-1 Staff-235 L-11.1-1 Staff-236 L-11.1-1 Staff-237 L-11.1-1 Staff-238 L-11.1-1 Staff-239 L-11.1-1 Staff-240 L-11.1-1 Staff-241 L-11.1-1 Staff-242 L-11.1-1 Staff-243	L-11.1-1 Staff-249 L-11.1-1 Staff-250 L-11.1-1 Staff-251 L-11.1-1 Staff-252 L-11.1-5 CCC-42 L-11.1-5 CCC-43 L-11.1-5 CCC-44 L-11.1-5 CCC-45 L-11.1-5 CCC-46 L-11.1-5 CCC-47 L-11.1-3 CME-2 L-11.1-3 CME-4 L-11.1-3 CME-6 L-11.1-6 EP-29 L-11.1-6 EP-30 L-11.1-6 EP-31 L-11.1-11 LPMA-8 L-11.1-11 LPMA-9 L-11.1-11 LPMA-10 L-11.1-13 PWU-18 L-11.1-13 PWU-19	L-11.1-15 SEC-100 L-11.1-15 SEC-101 L-11.1-15 SEC-103 L-11.2-1 Staff-253 L-11.2-1 Staff-254 L-11.2-5 CCC-048 L-11.2-9 IESO-001 L-11.2-9 IESO-002 L-11.2-9 IESO-003 L-11.2-9 IESO-004 L-11.2-9 IESO-005 L-11.2-9 IESO-006 L-11.2-9 IESO-007 L-11.2-9 IESO-008 L-11.2-9 IESO-009 L-11.2-20 VECC-45 L-11.2-20 VECC-46 L-11.2-20 VECC-47 L-11.2-20 VECC-48 L-11.3-3 CME-10 (d)

Panel	Witnesses	Pre-filed Evidence	Issues ¹	Interrogatories / Undertakings		
				L-11.1-1 Staff-244 L-11.1-1 Staff-245 L-11.1-1 Staff-246 L-11.1-1 Staff-247 L-11.1-1 Staff-248	L-11.1-15 SEC-95 L-11.1-15 SEC-96 L-11.1-15 SEC-97 L-11.1-15 SEC-98 L-11.1-15 SEC-99	JT2.22 JT3.12 JT3.16 JT3.23 JT3.24
2Aii. APPLICATION OVERVIEW, NUCLEAR RATE-SETTING FRAMEWORK, BUSINESS PLANNING	Chris Fralick John Mauti Randy Pugh	Ex. A1-1-1 Ex. A1-1-2 Ex. A1-2-1 Ex. A1-2-2 Ex. A1-3-1 Ex. A1-3-2 (except section 2) Ex. A1-3-3 Ex. A1-4-1 Ex. A1-4-2 Ex. A1-4-3 Ex. A1-5-1 Ex. A1-6-1 Ex. A1-7-1 Ex. A1-8-1 Ex. A1-9-1 Ex. A1-9-2 Ex. A1-10-1 Ex. A1-11-1 Ex. A1-12-1 Ex. A2-2-1	Primary: 1.2, 10.3, 11.3, 11.4, 11.5, 11.6, 11.7	L-1.1-5 CCC-1 L-1.2-1 Staff-1 L-1.2-1 Staff-3 L-1.2-1 Staff-99 L-1.2-2 AMPCO-1 (d)(e)(f)&(g) L-1.2-2 AMPCO-2 L-1.2-2 AMPCO-3 L-1.2-2 AMPCO-4 L-1.2-2 AMPCO-7 L-1.2-2 AMPCO-8 L-1.2-5 CCC-2 L-1.2-5 CCC-3 L-1.2-5 CCC-4 L-1.2-5 CCC-5 L-1.2-5 CCC-6 L-1.2-5 CCC-7 L-1.2-5 CCC-8 L-1.2-3 CME-12 L-1.2-6 EP-1 L-1.2-15 SEC-1 L-1.2-15 SEC-2 L-1.2-15 SEC-4 L-1.2-18 SJ-1 L-1.2-18 SJ-2 L-1.2-18 SJ-3 L-1.2-18 SJ-4 L-1.2-18 SJ-5 L-1.3-5 CCC-10 L-1.3-6 EP-2	L-1.3-1 Staff-5 L-3.1-5 CCC-11 L-4.3-15 SEC-30 L-6.2-20 VECC-25 (b) L-6.6-1 Staff-141 (a) L-7.1-20 VECC- 36 (b) L-9.7-13 PWU-017 L-9.7-15 SEC-92 L-9.7-15 SEC-93 L-9.7-15 SEC-94 L-10.3-1 Staff-221 (b)(c)&(d) L-10.4-5 CCC-41 L-11.1-3 CME-4 L-11.3-2 AMPCO-156 L-11.3-3 CME-3 L-11.3-3 CME-7 L-11.3-3 CME-8 L-11.3-3 CME-9 L-11.3-3 CME-10 L-11.3-20 VECC-49 L-11.4-1 Staff-256 L-11.4-13 PWU-20 L-11.5-1 Staff-257 L-11.5-1 Staff-258 L-11.5-1 Staff-259 L-11.5-1 Staff-261 L-11.5-1 Staff-270 L-11.5-2 AMPCO-157 L-11.5-5 CCC-50	L-11.6-1 Staff-263 L-11.6-1 Staff-264 L-11.6-1 Staff-265 L-11.6-1 Staff-266 L-11.6-1 Staff-267 L-11.6-1 Staff-268 L-11.6-1 Staff-269 L-11.6-2 AMPCO-158 L-11.6-5 CCC-51 L-11.6-5 CCC-52 L-11.6-5 CCC-53 L-11.6-5 CCC-54 L-11.6-3 CME-11 L-11.6-7 ED-24 L-11.6-6 EP-32 L-11.6-8 GEC-60 L-11.6-8 GEC-61 L-11.6-8 GEC-62 L-11.6-13 PWU-21 L-11.6-20 VECC-51 L-11.7-1 Staff-271 L-11.7-5 CCC-55 L-11.7-11 LPMA-12 L-11.7-13 PWU-22 JT2.23 JT2.24 JT2.27 JT2.28 JT2.31

Panel	Witnesses	Pre-filed Evidence	Issues ¹	Interrogatories / Undertakings		
				L-1.3-8 GEC-64 L-1.3-8 GEC-65 L-1.3-8 GEC-66	L-11.5-20 VECC-50 L-11.5-6 EP-28 L-11.6-1 Staff-262	JT3.4 JT3.11 JT3.22
3A. IESO ASSESSMENT OF PICKERING EXTENDED OPERATIONS	IESO-TBD	Ex. F2-2-3 Attachment 1	Primary: 6.5	L-6.5-1 Staff-124 L-6.5-1 Staff-125(b) Chart 2 L-6.5-1 Staff-127 L-6.5-1 Staff-128(b) L-6.5-1 Staff-130 L-6.5-1 Staff-131 L-6.5-1 Staff-132 L-6.5-1 Staff-133(c) L-6.5-1 Staff-134 L-6.5-1 Staff-135 L-6.5-5 CCC-34	L-6.5-7 ED-28(a) to (m), except (e) L-6.5-7 ED-29 (a) to (m), except (e) L-6.5-7 ED-30 L-6.5-7 ED-31 L-6.5-7 ED-32 L-6.5-7 ED-33 L-6.5-7 ED-34 L-6.5-7 ED-35 L-6.5-7 ED-36 L-6.5-7 ED-37 L-6.5-7 ED-38 L-6.5-7 ED-39	L-6.5-7 ED-40 L-6.5-7 ED-41 L-6.5-7 ED-42 L-6.5-7 ED-43 L-6.5-8 GEC-43 L-6.5-8 GEC-44 L-6.5-8 GEC-45 L-6.5-8 GEC-56 L-6.5- VECC-29 (a),(b),(c) JT1.17G JT1.17H JT1.17I JT1.17J
3B. NUCLEAR OPERATIONS AND PROJECTS	John Blazanin Carla Carmichael Jamie Lawrie Jeff Lehman Bill Owens	Ex. A1-4-3 Ex. D2-1-1 Ex. D2-1-2 Ex. D2-1-3 Ex. E2-1-1 Ex. E2-1-2 Ex. F2-1-1 Ex. F2-2-1 Ex. F2-2-2 Ex. F2-2-3 Ex. F2-3-1 Ex. F2-3-2 Ex. F2-3-3 Ex. F2-4-1 Ex. F2-4-2 Ex. F2-5-1 Ex. F2-5-2 Ex. F2-6-1	Primary: 4.1 (non-DRP aspects), 4.2, 4.4, 5.1, 6.1, 6.2, 6.5	L-1.2-2 AMPCO-5 L-1.2-2 AMPCO-6 L-2.1-6 EP-4 L-4.1-1 Staff 24 L-4.2-1 Staff-25 L-4.2-1 Staff-26 L-4.2-1 Staff-27 L-4.2-1 Staff-28 L-4.2-1 Staff-29 L-4.2-1 Staff-30 L-4.2-1 Staff-31 L-4.2-1 Staff-32 L-4.2-1 Staff-33 L-4.2-1 Staff-34 L-4.2-1 Staff-35	L-6.1-15 SEC-53 L-6.1-15 SEC-54 L-6.1-15 SEC-55 L-6.1-15 SEC-56 L-6.1-15 SEC-57 L-6.1-15 SEC-58 L-6.1-15 SEC-59 L-6.1-15 SEC-60 L-6.1-15 SEC-61 L-6.1-15 SEC-62 L-6.1-20 VECC-20 L-6.1-20 VECC-21 L-6.1-20 VECC-22 L-6.1-20 VECC-23 L-6.1-20 VECC-24 L-6.2-1 Staff-100 L-6.2-1 Staff-101	L-6.5-8 GEC-17 L-6.5-8 GEC-18 L-6.5-8 GEC-19 L-6.5-8 GEC-20 L-6.5-8 GEC-21 L-6.5-8 GEC-22 L-6.5-8 GEC-26 L-6.5-8 GEC-27 L-6.5-8 GEC-28 L-6.5-8 GEC-33 L-6.5-8 GEC-34 L-6.5-8 GEC-35 L-6.5-8 GEC-36 L-6.5-8 GEC-37 L-6.5-8 GEC-38 L-6.5-8 GEC-39 L-6.5-8 GEC-40 L-6.5-8 GEC-41

Panel	Witnesses	Pre-filed Evidence	Issues ¹	Interrogatories / Undertakings		
		Ex. G2-1-1 Ex. G2-1-2 Ex. N1-1-1 (section 3.5)		L-4.2-1 Staff-36 (a) & (b) L-4.2-1 Staff-37 L-4.2-1 Staff-38 L-4.2-1 Staff-39 L-4.2-1 Staff-40 L-4.2-1 Staff-41 L-4.2-1 Staff-42 L-4.2-1 Staff-43 L-4.2-2 AMPCO-17 L-4.2-2 AMPCO-18 L-4.2-2 AMPCO-19 L-4.2-2 AMPCO-20 L-4.2-2 AMPCO-21 L-4.2-2 AMPCO-22 L-4.2-2 AMPCO-23 L-4.2-2 AMPCO-24 L-4.2-2 AMPCO-25 L-4.2-2 AMPCO-26 L-4.2-2 AMPCO-27 L-4.2-2 AMPCO-28 L-4.2-2 AMPCO-29 L-4.2-8 GEC-16 L-4.2-13 PWU-1 L-4.2-13 PWU-2 L-4.2-13 PWU-3 L-4.2-13 PWU-4 L-4.2-13 PWU-5 L-4.2-13 PWU-6 L-4.3-7 ED-5 L-4.3-7 ED-14 L-4.4-1 Staff-76 L-4.4-1 Staff-77 L-4.4-15 SEC-42 L-4.4-15 SEC-43 L-4.4-15 SEC-44	L-6.2-1 Staff-102 L-6.2-1 Staff-103 L-6.2-1 Staff-104 L-6.2-1 Staff-105 L-6.2-1 Staff-106 L-6.2-1 Staff-107 L-6.2-1 Staff-108 L-6.2-1 Staff-109 L-6.2-1 Staff-110 L-6.2-5 CCC-27 L-6.2-13 PWU-10 L-6.2-15 SEC-5 L-6.2-15 SEC-63 L-6.2-15 SEC-64 L-6.2-19 SEP-3 L-6.2-19 SEP-4 L-6.2-19 SEP-5 L-6.2-19 SEP-6 L-6.2-19 SEP-7 L-6.2-19 SEP-8 L-6.2-19 SEP-9 L-6.2-19 SEP-9.5 L-6.2-19 SEP-10 L-6.2-19 SEP-11 L-6.2-19 SEP-12 L-6.2-20 VECC-25 (a) L-6.3-1 Staff-111 L-6.3-1 Staff-112 L-6.3-2 AMPCO-116 L-6.3-2 AMPCO-117 L-6.3-2 AMPCO-118 L-6.3-5 CCC-28 L-6.3-5 CCC-29 L-6.3-15 SEC-66 L-6.3-20 VECC-26 L-6.3-20 VECC-27	L-6.5-8 GEC-42 L-6.5-8 GEC-46 L-6.5-8 GEC-47 L-6.5-8 GEC-48 L-6.5-8 GEC-49 L-6.5-8 GEC-50 L-6.5-8 GEC-51 L-6.5-8 GEC-52 L-6.5-8 GEC-53 L-6.5-8 GEC-54 L-6.5-8 GEC-55 L-6.5-15 SEC-67 L-6.5-15 SEC-68 L-6.5-20 VECC-29(d) L-6.5-20 VECC-30 L-6.6-1 Staff-138(a) L-6.6-1 Staff-139(c) L-6.6-1 Staff-141(b) L-6.6-1 Staff 143 (b) L-6.6-1 Staff-145 L-6.6-13 PWU-11 (b) & (c) L-6.6-19 SEP-15 L-6.6-2 AMPCO-135 (c) & (d) L-6.6-2 AMPCO-140 L-6.6-2 AMPCO-141 L-6.9-1 Staff-177 (a) & (b) L-7.1-1 Staff-199 L-7.1-1 Staff-200 L-7.1-1 Staff-201 L-7.1-15 SEC-89 L-7.1-20 VECC-36(a) L-7.1-20 VECC-37 L-7.1-20 VECC-38

Panel	Witnesses	Pre-filed Evidence	Issues ¹	Interrogatories / Undertakings		
				L-4.4-15 SEC-45 L-4.4-15 SEC-46 L-4.4-15 SEC-47 L-4.4-15 SEC-48 L-5.1-1 Staff-80 L-5.1-1 Staff-81 L-5.1-1 Staff-82 (a), (b), (c), & (e-i) L-5.1-1 Staff-83 L-5.1-1 Staff-84 L-5.1-1 Staff-85 L-5.1-1 Staff-86 L-5.1-1 Staff-87 L-5.1-1 Staff-88 L-5.1-2 AMPCO-108 L-5.1-5 CCC-24 L-5.1-6 EP-21 (part 2) L-5.1-6 EP-22 L-5.1-12 OAPPA-6 L-5.1-15 SEC-49 L-5.1-15 SEC-50 L-5.1-15 SEC-51 L-5.1-15 SEC-52 L-5.1-20 VECC-19 L-6.1-1 Staff-89 L-6.1-1 Staff-90 L-6.1-1 Staff-91 L-6.1-1 Staff-92 L-6.1-1 Staff-93 L-6.1-1 Staff-94 L-6.1-1 Staff-95 L-6.1-1 Staff-96 L-6.1-1 Staff-97 L-6.1-1 Staff-98 L-6.1-2 AMPCO-92 L-6.1-2 AMPCO-109	L-6.5-1 Staff-114 L-6.5-1 Staff-115 L-6.5-1 Staff-116 L-6.5-1 Staff-117 L-6.5-1 Staff-118 L-6.5-1 Staff-119 L-6.5-1 Staff-120 L-6.5-1 Staff-121 L-6.5-1 Staff-122 L-6.5-1 Staff-123 L-6.5-1 Staff-125(a),(b) Chart 1 L-6.5-1 Staff-126 L-6.5-1 Staff-128(a) L-6.5-1 Staff-129 L-6.5-1 Staff-133(a),(b) L-6.5-5 CCC-30 L-6.5-5 CCC-31 L-6.5-5 CCC-32 L-6.5-5 CCC-33 L-6.5-5 CCC-35 L-6.5-6 EP-25 L-6.5-7 ED-18 L-6.5-7 ED-19 L-6.5-7 ED-20(a) L-6.5-7 ED-21 L-6.5-7 ED-22 L-6.5-7 ED-23 L-6.5-7 ED-25 L-6.5-7 ED-26 (a), (b), (c) & (d) L-6.5-7 ED-27 L-6.5-7 ED-28(e) L-6.5-7 ED-29(e)	L-10.3-1 Staff-221(a) L-10.3-2 AMPCO- 152 L-10.3-2 AMPCO-153 L-11.4-1 Staff-255(b) JT1.17B JT1.17F JT1.17L JT1.17M JT1.17N JT1.17O JT1.17P JT2.1 JT2.2 JT2.3 JT2.4 JT2.5 JT2.6 JT2.7 JT2.8 JT2.9 JT2.10 JT2.11 JT2.12 JT2.13 JT2.14 JT2.15 JT2.16 JT2.17 JT2.18 JT2.18A JT2.19 JT2.20 JT2.21

Panel	Witnesses	Pre-filed Evidence	Issues ¹	Interrogatories / Undertakings		
				L-6.1-2 AMPCO-110 L-6.1-2 AMPCO-111 L-6.1-2 AMPCO-112 L-6.1-2 AMPCO-113 L-6.1-2 AMPCO-114 L-6.1-5 CCC-25 L-6.1-5 CCC-26 L-6.1-7 ED-17 L-6.1-8 GEC-23 L-6.1-8 GEC-24 L-6.1-8 GEC-25 L-6.1-8 GEC-29 L-6.1-8 GEC-30 L-6.1-8 GEC-31 L-6.1-8 GEC-32 L-6.1-8 GEC-57 (b) L-6.1-8 GEC-58		
4. COMPENSATION	Alex Kogan Dave Milton Donna Rees	Ex. F4-3-1	Primary: 6.6	L-01.2-2 AMPCO-001 (a)(b) L-06.6-2 AMPCO-127 L-06.6-2 AMPCO-128 L-06.6-2 AMPCO-129 L-06.6-2 AMPCO-130 L-06.6-2 AMPCO-131 L-06.6-2 AMPCO-132 L-06.6-2 AMPCO-133 L-06.6-2 AMPCO-134 L-06.6-2 AMPCO-135 (a)(b)(e)(f)(g)(j)(k)(l)(m) L-06.6-2 AMPCO-136 L-06.6-2 AMPCO-137 L-06.6-2 AMPCO-138 L-06.6-2 AMPCO-139 L-06.6-2 AMPCO-142 L-06.6-2 AMPCO-143 L-06.6-2 AMPCO-144 L-06.6-1 Staff-136 L-06.6-1 Staff-138(b) L-06.6-1 Staff-139(b) L-06.6-1 Staff-140 L-06.6-1 Staff-142 L-06.6-1 Staff-143 (c)(d) L-06.6-1 Staff-144 L-06.6-1 Staff-146 L-06.6-1 Staff-147 L-06.6-1 Staff-148 L-06.6-1 Staff-149 L-06.6-1 Staff-150 L-06.6-15 SEC-074 L-06.6-15 SEC-075 L-06.6-15 SEC-076 L-06.6-15 SEC-077 L-06.6-15 SEC-078 L-06.6-15 SEC-079 L-06.6-15 SEC-080 L-06.6-15 SEC-081 L-06.6-15 SEC-082 L-06.6-15 SEC-083 L-06.6-15 SEC-084 L-06.6-19 SEP-013 L-06.6-19 SEP-014 L-06.6-20 VECC-031 L-06.6-20 VECC-032		

Panel	Witnesses	Pre-filed Evidence	Issues ¹	Interrogatories / Undertakings		
				L-06.6-1 Staff-151 L-06.6-1 Staff-152 L-06.6-1 Staff-153 L-06.6-1 Staff-154 L-06.6-1 Staff-155 L-06.6-1 Staff-157 L-06.6-1 Staff-160 L-06.6 -2 AMPCO-145 L-06.6-2 AMPCO-121 L-06.6-2 AMPCO-122 L-06.6-2 AMPCO-123 L-06.6-2 AMPCO-124 L-06.6-2 AMPCO-125 L-06.6-2 AMPCO-126	L-06.6-3 CME-005 L-06.6-13 PWU-011(a) L-06.6-13 PWU-012 L-06.6-13 PWU-013 L-06.6-13 PWU-014 L-06.6-13 PWU-015 L-06.6-13 PWU-016 L-06.6-15 SEC-003 L-06.6-15 SEC-069 L-06.6-15 SEC-070 L-06.6-15 SEC-071 L-06.6-15 SEC-072 L-06.6-15 SEC-073	L-11.4-1 Staff-255(a) JT2.25 JT2.26 JT2.29 JT2.32 JT2.33 JT2.34 JT3.1 JT3.2 JT3.8 JT3.9 JTX3.17 JTX3.18 JTX3.19 JT3.20
5Ai. COST OF CAPITAL CONCENTRIC ENERGY ADVISORS REPORT	Jim Coyne Dan Dane	Ex. C1-1-1 Attachment 1	Primary: 3.1	L-3.1-1 Staff-10 (b) L-3.1-1 Staff-11 L-3.1-1 Staff-12 L-3.1-1 Staff-13 L-3.1-1 Staff-14 L-3.1-1 Staff-15 L-3.1-1 Staff-16	L-3.1-1 Staff-17 L-3.1-1 Staff-18 L-3.1-1 Staff-19 L-3.1-1 Staff-21 L-3.1-5 CCC-14 (b)&(c) L-3.1-8 GEC-1 (a)&(b) L-3.1-20 VECC-8	L-3.1-20 VECC-9 L-3.1-20 VECC-10 L-3.1-20 VECC-11 JT3.5 JT3.6 JT3.7
5B. FINANCE, D&V ACCOUNTS, NUCLEAR LIABILITIES, COST OF CAPITAL, CORPORATE GROUPS	Lindsey Arseneau Chris Fralick Alex Kogan John Mauti	Ex. A1-3-4 Ex. A2-1-1 Ex. A2-3-1 Ex. B1-1-1 Ex. B1-1-2 Ex. B3-1-1 Ex. B3-2-1 Ex. B3-3-1 Ex. B3-4-1 Ex. B3-5-1 Ex. D3-1-1 Ex. D3-1-2	Primary: 1.3, 2.1, 2.2, 3.1, 6.6 ⁶ , 6.7, 6.8, 6.9, 6.10, 7.2, 8.1, 8.2, 9.1, 9.2, 9.5, 9.7, 9.8, 12.1	L-1.2-1 Staff-2 L-1.2-2 AMPCO-1 (c) L-1.3-2 AMPCO-11 L-1.3-2 AMPCO-12 L-1.3-5 CCC-9 L-1.3-6 EP-23 L-1.3-6 EP-24 L-1.3-8 GEC-63 L-1.3-12 OAPPA-1 L-1.3-12 OAPPA-3 L-1.3-12 OAPPA-5	L-6.6-1 Staff-137** L-6.6-1 Staff-156 L-6.6-1 Staff-158 L-6.6-1 Staff-159 L-6.6-1 Staff-161 L-6.6-1 Staff-162 L-6.6-1 Staff-163 L-6.6-1 Staff-164 L-6.6-15 SEC-65** L-6.6-15 SEC-85 L-6.7-1 Staff-165**	L-6.11-1 Staff-197** L-6.11-1 Staff-198** L-7.1-12 OAPPA-4 L-7.2-1 Staff-202 L-7.2-1 Staff-203 L-7.2-1 Staff-204 L-7.2-1 Staff-205 L-7.2-1 Staff-206 L-7.2-15 SEC-90 L-7.2-20 VECC-39

** Corporate Groups interrogatory responses have been reassigned to Panel 5.

⁶ Panel 5B will address issue 6.6 only as it relates to calculation of cash and accrual amounts for pensions and OPEBs.

Panel	Witnesses	Pre-filed Evidence	Issues ¹	Interrogatories / Undertakings		
		Ex. C1-1-1 Ex. C1-1-2 Ex. C1-1-3 Ex. C2-1-1 Ex. C2-1-2 Ex. F3-1-1 Ex. F3-1-2 Ex. F3-1-3 Ex. F3-2-1 Ex. F3-2-2 Ex. F3-3-1 Ex. F3-3-2 Ex. F4-1-1 Ex. F4-2-1 Ex. F4-3-2 Ex. F4-4-1 Ex. F4-4-2 Ex. G2-2-1 Ex. H1-1-1 Ex. H1-2-1 Ex. I1-1-1 Ex. I1-1-2 Ex. I1-2-1 Ex. I1-3-1 Ex. I1-4-1 Ex. N1-1-1		L-1.3-15 SEC-6 L-2.1-1 Staff-6 L-2.1-1 Staff-7 L-2.1-2 AMPCO-13 L-2.1-2 AMPCO-14 L-2.1-15 SEC-7 L-2.1-15 SEC-8** L-2.2-1 Staff-8 L-2.2-1 Staff-9 L-3.1-1 Staff-10 (a) L-3.1-1 Staff-20 L-3.1-2 AMPCO-15 L-3.1-2 AMPCO-16 L-3.1-5 CCC-12 L-3.1-5 CCC-13 L-3.1-5 CCC-14 (a) L-3.1-5 CCC-15 L-3.1-8 GEC-1 (c) to (f) L-3.1-15 SEC-9 L-3.1-20 VECC-5 L-3.1-20 VECC-6 L-3.1-20 VECC-7 L-3.2-1 Staff-22 L-3.2-1 Staff-23 L-3.2-6 EP-5 L-3.2-6 EP-6 L-3.2-6 EP-7 L-3.2-6 EP-8 L-3.2-11 LPMA-1 L-3.2-11 LPMA-2 L-3.2-11 LPMA-3 L-3.2-11 LPMA-4 L-3.2-20 VECC-12	L-6.7-1 Staff-166** L-6.7-1 Staff-167** L-6.7-1 Staff-168** L-6.7-1 Staff-169** L-6.7-1 Staff-170** L-6.7-1 Staff-171** L-6.7-1 Staff-172 L-6.7-2 AMPCO-115** L-6.7-6 EP-26** L-6.7-15 SEC-86** L-6.7-15 SEC-87** L-6.7-15 SEC-88** L-6.7-20 VECC-33** L-6.7-20 VECC-34 L-6.8-6 EP-27 L-6.8-1 Staff-173 L-6.8-20 VECC-35 L-6.9-1 Staff-174 L-6.9-1 Staff-175 L-6.9-1 Staff-176 L-6.9-1 Staff-177 (c)&(d) L-6.9-1 Staff-178 L-6.9-1 Staff-179 L-6.9-1 Staff-180 L-6.9-1 Staff-181 L-6.9-1 Staff-182 L-6.9-1 Staff-183 L-6.9-5 CCC-36 L-6.9-19 SEP-16 L-6.9-19 SEP-17 L-6.10-1 Staff-184 L-6.10-1 Staff-185 L-6.10-1 Staff-186 L-6.10-1 Staff-187	L-7.2-20 VECC-40 L-8.1-2 AMPCO-146 L-8.1-2 AMPCO-147 L-8.1-2 AMPCO-148 L-8.1-2 AMPCO-149 L-8.1-2 AMPCO-150 L-8.1-15 SEC-91 L-8.1-20 VECC-41 L-8.1-20 VECC-42 L-8.2-1 Staff-207 L-8.2-1 Staff-208 L-8.2-5 CCC-37 L-8.2-5 CCC-38 L-8.2-8 GEC-59 L-9.1-1 Staff-209 L-9.1-1 Staff-210 L-9.1-1 Staff-211 L-9.1-2 AMPCO-151 L-9.1-5 CCC-39 L-9.2-1 Staff-212 L-9.2-1 Staff-213 L-9.2-5 CCC-40 L-9.3-1 Staff-214 L-9.4-19 SEP-18 L-9.5-1 Staff-215 L-9.5-11 LPMA-5 L-9.5-11 LPMA-6 L-9.8-1 Staff-216 L-9.8-1 Staff-217 L-9.8-1 Staff-218

** Corporate Groups interrogatory responses have been reassigned to Panel 5.

Panel	Witnesses	Pre-filed Evidence	Issues ¹	Interrogatories / Undertakings		
				L-3.2-20-VECC-013 L-4.2-19 SEP-1 L-4.2-19 SEP-2 L-4.3-7 ED-9 L-4.3-1 Staff-62 L-4.3-2 AMPCO-77 L-4.4-5 CCC-21 L-5.1-6 EP-21 L-6.1-8 GEC-57 (a)	L-6.10-1 Staff-188 L-6.10-1 Staff-189 L-6.10-1 Staff-190 L-6.10-1 Staff-191 L-6.10-1 Staff-192 L-6.10-1 Staff-193 L-6.10-1 Staff-194 L-6.10-1 Staff-195 L-6.10-1 Staff-196	L-9.8-11 LPMA-7 L11.1-1-Staff-231 L-11.3-11-LPMA-011 L-11.5-5 CCC-49 L-11.5-1 Staff-260 L-11.6-6-EP-033 L-11.6-6-EP-034 L-12.1-5 CCC-56 JT2.30 JT3.3 JT3.10 JT3.13 JT3.14 JT3.15 JT3.21