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via RESS e-filing – signed original to follow by courier

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

Dear Ms. Walli:

**Re: Toronto Hydro-Electric System Limited (“THESL”)
OEB File No. EB-2012-0064 (the “Application”)
Phase 2 Interrogatory Responses**

THESL writes to the Ontario Energy Board (“OEB”) in respect of the above-noted matter.

THESL received interrogatories from OEB Staff, the Association of Major Power Consumers in Ontario (“AMPCO”), Consumers Council of Canada, Energy Probe Research Foundation, School Energy Coalition, and Vulnerable Energy Consumers Coalition. Pursuant to Procedural Order No. 7, dated October 17th, 2013, THESL encloses written responses to these interrogatories. THESL has not enclosed a response to AMPCO Interrogatory 9. THESL will deliver its response to this interrogatory as soon as possible.

THESL observes that, of the 124 questions received (including sub-questions), at least 25 are generally duplicative of one another. Further, at least 12 of these intervenor questions are duplicative of those filed by OEB Staff one week earlier.

THESL is also providing two corrections to the Summary of Changes sheets with respect to segments B7 and B8. In both summaries, the amount of the proposed increase relative to the May 2012 filing was incorrectly calculated. The bodies of both segments were correct and do not require revision.

Please do not hesitate to contact me if you have any questions.

Yours truly,

[original signed by]

Rob Barrass

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:RB/km

cc: Fred Cass of Aird & Berlis LLP, Counsel for THESL
Intervenors of Record for EB-2012-0064

RESPONSES TO ONTARIO ENERGY BOARD STAFF INTERROGATORIES ON PHASE 2, ISSUE 1

1 **INTERROGATORY 1:**

2 **Reference(s):** T9, S1, pp. 5-6

3

4 THESL states that:

5 THESL is seeking approval of ICM rate riders for all proposed and
6 approved capital work in ICM segments that comes into service in 2014.

7 As noted above, this includes both previously approved 2012 and 2013
8 expenditures that come into service in 2014, as well as proposed 2014
9 eligible expenditures that will come into service in 2014.

10

11 Please state the basis for THESL's belief that 2012 and 2013 expenditures that come into
12 service in 2014 have been previously approved. Please provide specific references to the
13 Board's Partial Decision and Order of April 2, 2013 in support of this response.

14

15 **RESPONSE:**

16 In approving ICM expenditures for 2012 and 2013, the OEB approved a series of discrete
17 segments as put forward by THESL in its evidence. While the OEB's Partial Decision
18 and Order for Phase 1 specifically approved ICM rate riders based only on the portion of
19 each segment assumed to come into service in 2013, the full spending required to
20 complete those discrete segments was also approved.¹ The OEB found that the work
21 proposed in approved segments is non-discretionary and otherwise satisfies the criteria
22 for ICM funding.

¹ This is reflected throughout the OEB's Partial Decision and Order, where in approving each individual ICM project segment, both the (capital spending) total cost of the project and the in-service costs for each of 2012 and 2013 are shown (see, for example, pages 22, 25, 26, 27, 28, 29, 32, 33 etc).

RESPONSES TO ONTARIO ENERGY BOARD STAFF INTERROGATORIES ON PHASE 2, ISSUE 1

1 **INTERROGATORY 2:**

2 **Reference(s): T9, S1, p. 3 and p. 7**

3

4 In Footnote 1 on page 3, THESL states that it has “adopted the term “Normal Capital
5 Budget” as it was used by the OEB in the Phase 1 Decision, and as defined in the Phase 1
6 DRO submissions and decision.”

7

8 In the notes to Figure 1 on page 7, the explanation for one of the components of this
9 figure “2014 Normal Capital” is as follows:

10 THESL’s Normal Capital expenditures coming into service in 2014. In
11 the original filing this category was composed of all “C” segments; it has
12 been revised for Phase 2 to reflect the OEB’s guidance from the Phase 1
13 Decisions to include immaterial projects.

14

15 a) With respect to the first reference, please state the definition of “Normal Capital
16 Budget” that THESL has derived from the noted sources and the references in the
17 Phase 1 evidence from which it was derived.

18 b) With respect to the second reference, please provide references from the Phase 1
19 application filing where it was stated by THESL that the Normal Capital expenditures
20 category was composed of all “C” segments.

21 c) Please state whether or not THESL uses the terms “Normal Capital Budget” from the
22 first reference, interchangeably with the term “Normal capital expenditures” from the
23 second reference, or if not what any differences would be.

24

25

RESPONSES TO ONTARIO ENERGY BOARD STAFF INTERROGATORIES ON PHASE 2, ISSUE 1

1 **RESPONSE:**

2 a) The term “Normal Capital Budget” was first used in this application by the OEB
3 in its Phase 1 Partial Decision and Order when identifying projects that it
4 acknowledged were non-discretionary but not sufficiently material to qualify for
5 ICM relief.¹ THESL adopted the term in its DRO submissions and proposed a
6 specific definition. The definition and use of the term as proposed in the course
7 of the DRO was accepted by the OEB.²

8
9 As defined and accepted through the DRO process, THESL’s Normal Capital
10 Budget is the portion of THESL’s capital program for which THESL does not
11 seek ICM funding. As noted in Footnote 1 (Tab 9, Schedule 1, page 7), the
12 Normal Capital Budget is comprised solely of non-discretionary work that
13 THESL plans to undertake in 2014, along with pre-2012 CWIP coming into
14 service in 2014. THESL does not seek ICM rider funding for its Normal Capital
15 Budget. With the exception of the portion contained within the Deadband (which
16 is not funded during the ICM term), the Normal Capital Budget is funded through
17 base distribution rates.

18
19 b) In Phase 1 of the proceeding, THESL referred to the Normal Capital Budget as
20 “Projects Within Materiality Threshold”, which was comprised entirely of “C
21 Segments”³. As noted in part a) above, THESL adopted the term Normal Capital
22 Budget during the course of the DRO process, after the OEB’s Partial Decision

1. See, for example, page 31: “THESL should be able to fund this project through its normal capital budget during the IRM period”
2. DRO Decision, page 3 May 9, 2013 “In its reply submission, THESL provided further explanations of its approach and maintained that its proposed recovery amount was appropriate... The Board accepts the explanations provided by THESL and finds that with the exception of the 2013 proposed Bremner project recovery discussed above, THESL’s proposed 2013 ICM project recovery is approved.” The “explanations” noted above include THESL’s proposed definition of the Normal Capital Budget.
3. See for example, the Index and Expanded Index of the May 2012 filing.

RESPONSES TO ONTARIO ENERGY BOARD STAFF INTERROGATORIES ON PHASE 2, ISSUE 1

1 and Order determined that an in-service basis for calculating ICM eligible
2 projects was to be used.⁴

3
4 c) THESL does not use the terms interchangeably. The phrase “normal capital
5 expenditures” referred to in Figure 1 is a subset of the Normal Capital Budget. In
6 the context of Figure 1 on page 7, the description “normal capital expenditures” is
7 used to specifically refer only to THESL’s 2014 in-service capital expenditures
8 that are not funded through ICM riders (excluding any spending on Copeland TS).
9 As illustrated in Figure 1, “normal capital expenditures” do not include pre-2012
10 CWIP or any other non-discretionary capital expenditures that fall below the ICM
11 threshold and deadband.

12
13 In contrast, as illustrated in Figure 1 and as described in a) above, THESL’s
14 Normal Capital Budget is a larger category of expenditures. It is the portion of
15 THESL’s capital program coming into service in 2014 for which THESL does not
16 seek ICM funding. In addition to “normal capital expenditures”, the Normal
17 Capital Budget includes pre-2012 CWIP and any other non-discretionary capital
18 expenditures that fall below the ICM threshold and deadband.

4. THESL DRO Reply Submission, page 4: “Schedule “C” of THESL’s Application consists of the capital work that THESL intends to conduct during the IRM period that falls below the ICM materiality threshold (i.e., non-discretionary work for which THESL was not seeking ICM funding).”

RESPONSES TO ASSOCIATION OF MAJOR POWER CONSUMERS IN ONTARIO ON PHASE 2, ISSUE 1

1 **INTERROGATORY 1:**

2 **Reference(s):** Tab 9, Schedule 1, Page 12

3

4 THESL indicates for ICM segments comprised of multiple jobs, THESL has forecast a
5 percentage of work that it expects will come into service in 2014 consistent with Phase 1.

6

7 a) Please discuss further how THESL determined the percentage of work to come into
8 service in 2014 relative to the percentages applied to 2012 capex and 2013 capex and
9 approved in Phase 1 and the proposed percentages applied in Phase 2 related to 2014
10 capex.

11

12 **RESPONSE:**

13 THESL determined the Phase 1 estimates based on historical percentages. The OEB
14 applied these estimates to segments for both 2012 and 2013 capital spending to determine
15 the approved in-service amount by segment for 2012 and 2013. The Phase 1 Approved
16 Capital Spending amounts presented in Table 1 (Tab 9, Schedule A1) represent the
17 remainder of the 2012 and 2013 OEB-approved capital spending coming in-service in
18 2014 (i.e., the balance of work approved by the OEB in Phase 1 for which THESL is
19 seeking ICM riders in Phase 2).

20

21 For the purposes of Phase 2, THESL revisited its in-service estimates with the benefit of
22 capital execution experience in the context of an ICM-environment. The forty percent
23 estimated in-service rate that THESL applied to proposed 2014 CAPEX is based on
24 several factors, including:

RESPONSES TO ASSOCIATION OF MAJOR POWER CONSUMERS IN ONTARIO ON PHASE 2, ISSUE 1

- 1 1. the deferred completion of some OEB-approved Phase 1 capital expenditures to
2 2014 (i.e., work that was originally expected to come into service prior to 2014),
3 due to the timing of the Phase 1 Decision and other operational factors; and
- 4 2. the absence of certainty and predictability of long-term capital funding since
5 THESL's last rebasing.

**RESPONSES TO ASSOCIATION OF MAJOR POWER
 CONSUMERS IN ONTARIO ON PHASE 2, ISSUE 1**

1 **INTERROGATORY 2:**

2 **Reference(s): Tab 9, Schedule 1, Page 16**

3

4 THESL indicates that in Phase 1 the OEB was not satisfied with the level of detail
 5 regarding the work contained within the Continuing Projects and Emerging Issues
 6 subcategory and as part of Phase 2 has provided additional further categorization of the
 7 non-discretionary work.

8

9 a) Please identify the specific Emerging Issues jobs which were are now contained
 10 exclusively within certain ICM segments and identify those segments.

11

12 b) Please provide the proposed spending and In Service Amounts associated with this
 13 work.

14

15 **RESPONSE:**

16

17 a)

Job Estimate #	Job Phase	ICM Segment	Proposed Spending (\$M)
11197	E08220 Leeward 53M9 UG Rehab (scope change)	B1 U/G Grid System - U/G Infrastructure	0.73
18319	E12267 Clappison Rebuild Electrical (47M17)	B1 U/G Grid System - U/G Infrastructure	0.38
18320	E11223 Clappison Rebuild 47M17 - Civil	B1 U/G Grid System - U/G Infrastructure	1.28
20233	E12250 Scenic Millway Rebuild SS27 - Civil	B1 U/G Grid System - U/G Infrastructure	2.21
20239	E12251 Scenic Millway Rebuild SS27 - Electrical	B1 U/G Grid System - U/G Infrastructure	0.83

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 CONSUMERS IN ONTARIO ON PHASE 2, ISSUE 1**

20260	E12217 Windfield Bayview Area Rebuild (51M21, NYSS27F1)	B1 U/G Grid System - U/G Infrastructure	0.84
20298	E12266 Country Lane UG Rebuild NY61M21 - Civil	B1 U/G Grid System - U/G Infrastructure	0.43
20300	E12268 Country Lane UG Rebuild Electrical (NY61M21)	B1 U/G Grid System - U/G Infrastructure	0.14
20335	E12277 Nashdene-Tiffield UG Rebuild - Civil (NAR26M22)	B1 U/G Grid System - U/G Infrastructure	1.39
20447	E12323 Dynamic Dr/McNicoll - Civil (NAR26M32)	B1 U/G Grid System - U/G Infrastructure	0.99
20664	E12385 Don Mills / Eglinton Rebuild - Civil (53M1)	B1 U/G Grid System - U/G Infrastructure	0.80
20665	E12386 Don Mills / Eglinton Rebuild - Electrical (53M1)	B1 U/G Grid System - U/G Infrastructure	0.44
20737	E12425 Spire Hillway UG Rebuild - Civil (51M27)	B1 U/G Grid System - U/G Infrastructure	0.19
20738	E12426 Spire Hillway UG Rebuild - Electrical (51M27)	B1 U/G Grid System - U/G Infrastructure	0.13
20744	E12429 Cherrystone Aspenwood - Civil (51M27)	B1 U/G Grid System - U/G Infrastructure	0.51
20746	E12430 Cherrystone Aspenwood - Electrical (51M27)	B1 U/G Grid System - U/G Infrastructure	0.20
21334	E13093 along Leslie/north of Bond UG Reh Electrical (NY51M30)	B1 U/G Grid System - U/G Infrastructure	1.12
22049	E13194 off Don Mills/Graydon Hall UG Reh (NY51M29)	B1 U/G Grid System - U/G Infrastructure	3.80
22135	E13203 Scenic Hill UG Rebuild Civil (SCXJF1)	B1 U/G Grid System - U/G Infrastructure	0.08
22137	E14031 UG Rebuild Scenic Hill SD XJF1- Electrical SCXJF1	B1 U/G Grid System - U/G Infrastructure	0.08
27210	E13605 P02 50 Aurora Court Civil/Electrical Rebuild Cavanagh TS 502M23	B1 U/G Grid System - U/G Infrastructure	0.36
18628	E11401 & E11426 Finchdene UG Electrical Ph1/2 (SC26M31)	B1 U/G Grid System - U/G Infrastructure	6.85
25927	Lower Sherbourne St	B21 Ext-Initiated Plant Expansion & Relocation	0.31

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28007	E13677-P01 Redlea Road Expansion Civil_Elec Cavanagh TS SCNA502-M23	B21 Ext-Initiated Plant Expansion & Relocation	0.67
28187	E13705-P23 Chine Drive Pole Relocation SCNAR43M30	B21 Ext-Initiated Plant Expansion & Relocation	0.02
19861	X12172 CastleField Txf/CSP Replace (35M1)	B4 O/H Grid System - O/H Infrastructure	1.16
19862	X12173 TretheweyLonborough (W) Txf/CSP Repl (35M1)	B4 O/H Grid System - O/H Infrastructure	1.10
19970	X12196 FESI Bathurst Lawrence OH Rebuild Ph3	B4 O/H Grid System - O/H Infrastructure	2.80
22205	E11765 Pole Replacement Deanvar Ave CE-F1	B4 O/H Grid System - O/H Infrastructure	0.37
19735	X12148 ParkLane Repl nonStd Txf/CSP (34M7)	B4 O/H Grid System - O/H Infrastructure	0.65
27813	Downsview Airport Supply Rebuild 85- M3	B4 O/H Grid System - O/H Infrastructure	1.90
25898	W13454 Voltage Conversion of Hollywood Feeders BD- F1, and BD- F2	B4 O/H Grid System - O/H Infrastructure	0.44
26151	Install/Redesign Guying Phase 3	B4 O/H Grid System - O/H Infrastructure	1.11
27810	W13364 Kingsway voltage conversion 2013	B4 O/H Grid System - O/H Infrastructure	0.56
24698	E11333-BRIMLEY/ANSON VC PHASE 2	B4 O/H Grid System - O/H Infrastructure	1.06
25263	E11333 Brimley Anson VC PEF	B4 O/H Grid System - O/H Infrastructure	0.69
19632	X12129 Millwood MS: B3MD, Merton MS B2MR Voltage Conversion	B5 O/H Grid System - Box Construction	5.30
26567	S11488 Wiltshire TS 2 new feeders conversion of Keele/St. Clair	B5 O/H Grid System - Box Construction	0.04

1 Note: the proposed spending represents the total project cost.

2

3 b) The spending for each job is presented above. Please see Table 1 (Tab 9, Schedule A1)
 4 for in-service amount associated with each segment.

**RESPONSES TO ASSOCIATION OF MAJOR POWER
CONSUMERS IN ONTARIO ON PHASE 2, ISSUE 1**

1 **INTERROGATORY 3:**

2 **Reference(s): Tab 9, Schedule 1, Page 18**

3

4 THESL states that for a number of ICM segments in Phase 1, the OEB found that while
5 certain work was in fact non-discretionary, the amounts requested did not qualify for
6 ICM relief because they were deemed to be immaterial.

7

8 a) Please provide the reference to the Phase 1 Decision to support this.

9

10 **RESPONSE:**

11 Please see the Partial Decision and Order: page 31 with regard to segment B7, page 32
12 with regard to segment B8, and page 39 with regard to segment B14.

RESPONSES TO ASSOCIATION OF MAJOR POWER CONSUMERS IN ONTARIO ON PHASE 2, ISSUE 1

1 **INTERROGATORY 4:**

2 **Reference(s): Tab 9, Schedule 1, Page 19**

3

4 THESL indicates it has updated the Feeder Investment Model (FIM) calculations using
5 the same methodology as Phase 1 and it continues to rely on the FIM calculations as one
6 of several useful tools in guiding its investment decisions in 2014.

7

8 a) Were any of the input parameters in the FIM calculations changed in Phase 2
9 compared to Phase 1. If yes, please provide specific details on the change and the
10 impact on the results on project selection.

11

12 Please discuss any plans THESL has to modify or enhance the FIM moving forward.

13

14 **RESPONSE:**

15

16 a) As the FIM calculations include inputs such as project costs and the specific assets to
17 be replaced, these input parameters were updated within the Phase 2 ICM segments.

18

19 THESL has increased the outage duration input used in the Polymer SMD-20
20 segment for the replacement of SMD-20 switches on three-phase circuits. For Phase 2
21 jobs that address SMD-20 switches on three-phase circuits, THESL extended the
22 outage duration, which includes the subsequent restoration time from 2 to 3.5 hours.
23 This extension to 3.5 hours accounts for the added complexities of these jobs (i.e.,
24 replacing three single-phase SMD-20 switches, as opposed to replacing one single-
25 phase SMD-20 switch which comprised the bulk of the jobs in Phase 1). The outage

RESPONSES TO ASSOCIATION OF MAJOR POWER CONSUMERS IN ONTARIO ON PHASE 2, ISSUE 1

1 duration for jobs involving replacement of one single-phase Polymer SMD-20 switch
2 remains unchanged at 2 hours. This is not a material change to the FIM analysis.

3

4 THESL is investigating potential enhancements to the FIM as part of its efforts to
5 continuously improve the model. Some areas being considered for further work include
6 changes to customer interruption costs and to the manner in which the FIM determines
7 the customer impact during an asset failure.

RESPONSES TO CONSUMERS COUNCIL OF CANADA ON PHASE 2, ISSUE 1

1 **INTERROGATORY 1:**

2 **Reference(s):** **Exhibit Tab 9, Schedule 1. p. 1**

3

4 With respect to the 2014 capital plan please explain, specifically, what steps THESL took
5 to develop the new 2014 budget upon receiving the Board's Phase I Decision. The
6 evidence states that the information regarding the 2014 work program was refreshed to
7 account for developments and the passage of time. Please explain how the information
8 was "refreshed".

9

10 **RESPONSE:**

11 Following receipt of the OEB's Phase 1 Decision and the Rate Order Decision, THESL
12 initially assessed its work program for consistency with the OEB's findings. Given that
13 Phase 1 of this proceeding was not concluded until May 2013, THESL had no prudent
14 alternative but to proceed with a portion of the work plan in 2013 in advance of the
15 OEB's decision. Naturally, the work program that THESL had been operating under until
16 receiving the OEB's Decision did not perfectly match the work program that the OEB
17 ultimately approved. In particular, THESL's "pre-decision" work program contained
18 some work that was ultimately not approved by the OEB. Some of that work was
19 substantially completed before the Phase 1 Decision, but was ultimately not approved by
20 the OEB, and consumed time and resources that would otherwise have been devoted to
21 OEB-approved work. THESL revised its 2013 work plan to reflect the Phase 1 Decision,
22 but certain unapproved jobs had already been completed or could not be prudently
23 abandoned prior to completion. For further detail please see the response to EP
24 Interrogatory 4.

25

RESPONSES TO CONSUMERS COUNCIL OF CANADA ON PHASE 2, ISSUE 1

1 Except where capital work could not be prudently or responsibly stopped (for example,
2 where a job was already largely complete), jobs in segments that had not been approved
3 by the OEB were removed from the work program. THESL then prepared a revised 2014
4 work program that reflected the OEB's Decision. Other factors that influenced the
5 revised 2014 work program included THESL's ability to ramp up capacity to carry out
6 that work, as well other operational factors such as: the availability of specialized
7 resources, municipal permits, and operational constraints such as feeder restrictions and
8 coordination of THESL's work program with other agencies (such as the City of Toronto
9 and other utilities) to minimize customer disruptions. For a further discussion of these
10 factors, please see the response to AMPCO Interrogatory 19 and the Addendum to the
11 Manager's Summary filed October 31, 2012 (Tab 2).

12

13 For all these reasons, and as THESL has noted elsewhere throughout this application, any
14 given work program is necessarily a "snapshot in time."

15

16 THESL also updated (i.e., "refreshed") its evidence to reflect the OEB's Phase 1
17 Decision as described on pages 3 and 4 of the Manager's Summary to the 2014
18 Evidentiary Update (Tab 9, Schedule 1).

**RESPONSES TO CONSUMERS COUNCIL OF CANADA
ON PHASE 2, ISSUE 1**

1 **INTERROGATORY 2:**

2 **Reference(s):** **Exhibit Tab 9, Schedule 1. p. 1**

3

4 Please provide copies of all correspondence (memos, letters, presentations, e-mails etc.)
5 provided to THESL's managers and other employees regarding the Phase 1 Decision.

6 Please provide all correspondence provided to THESL's staff regarding directions to
7 update the 2014 capital plan.

8

9 **RESPONSE:**

10

11 Please see THESL's response to SEC Interrogatory 5.

**RESPONSES TO CONSUMERS COUNCIL OF CANADA
ON PHASE 2, ISSUE 1**

1 **INTERROGATORY 3:**

2 **Reference(s):** **Exhibit Tab 9, Schedule 1. p. 1**

3

4 Please provide a complete list of projects that comprise THESL's "Normal Capital
5 Budget". Please define "Normal Capital Budget". Is THESL undertaking any capital
6 expenditures in 2014 that are "discretionary? If so, please provide a list of those projects.
7 If not, why not?

8

9 **RESPONSE:**

10 Regarding the definition and content of THESL's Normal Capital budget, please see
11 THESL's response to Board Staff Interrogatory 2.

12

13 Regarding the existence of any "discretionary" expenditures, please see THESL's
14 response to Board Staff Interrogatory 17 c).

**RESPONSES TO CONSUMERS COUNCIL OF CANADA
ON PHASE 2, ISSUE 1**

1 **INTERROGATORY 4:**

2 **Reference(s):** **Exhibit Tab 9, Schedule 1, p. 16**

3

4 In the Phase 1 Decision the Board was not satisfied that the work within the Continuing
5 Projects and Emerging Issues subcategory was non-discretionary. Have the nature of
6 these projects changed since the last proceeding?

7

8 **RESPONSE:**

9 In the Phase 1 Decision, the OEB did not determine that the work contained within the
10 Continuing Projects and Emerging issues subcategory was non-discretionary, only that
11 THESL had “provided insufficient evidence on the nature of those projects for the OEB to
12 determine whether they are non-discretionary.”¹ In other words, the OEB only found that
13 THESL had not convinced it that the work was non-discretionary, rather than explicitly
14 ruling that the work was discretionary.

15

16 While the nature of these jobs has not changed for 2014, THESL has addressed the OEB’s
17 concern by providing additional detail and further categorization within this segment.
18 Specifically, THESL has broken-out this non-discretionary work in order to provide the OEB
19 and intervenors with greater visibility into the work contained within this section of the
20 evidence.

¹ Partial Decisions and Order, page 63.

RESPONSES TO CONSUMERS COUNCIL OF CANADA ON PHASE 2, ISSUE 1

1 **INTERROGATORY 5:**

2 **Reference(s):**

3

4 For the period 2008-2012 has THESL undertaken any capital expenditure work that was
5 “discretionary”. If so, please describe those projects.

6

7 **RESPONSE:**

8 THESL views all of its past capital work as prudent and necessary to serve the needs of
9 its customers and Toronto’s distribution system.

10

11 In the period pre-dating the present ICM application, THESL was not required to assess
12 its planned capital work according to the ICM criteria. As a result, THESL does not have
13 a listing of which past capital work would or would not potentially be categorized as
14 discretionary or non-discretionary pursuant to the Phase 1 Decision.

RESPONSES TO SCHOOL ENERGY COALITION ON PHASE 2, ISSUE 1

1 **INTERROGATORY 1:**

2 **Reference(s):** Exhibit 9, Tab 1, pg.12

3

4 Regarding 2013 capital spending ultimately not approved by the Board:

5

6 a) Please detail the level of spending that was undertaken in 2013 for ICM projects
7 that were ultimately not approved by the Board in its Phase 1 Decision.

8

9 b) Please detail which approved ICM I jobs, which as a result of the Applicant
10 beginning and/or completing ultimately non-approved jobs, had to be deferred.

11

12 c) How did the Applicant determine which projects to defer?

13

14 d) Are the deferred projects referenced above included in the 2014 in-service
15 amounts that the Applicant is seeking approval for in Phase 2? If so, are they
16 categorized as 2012/2013 approved capital expenditures coming into-service in
17 2014 or Phase 2 proposed capital expenditures coming into service in 2014.

18

19 **RESPONSE:**

20 a) The below table provides the level of spending that was undertaken as of June
21 2013 for ICM projects that were not approved by the Board in its Phase 1
22 Decision.

23

24

RESPONSES TO SCHOOL ENERGY COALITION ON PHASE 2, ISSUE 1

1

Schedule Number	Segments	2013 Capex Actual (YTD Jun)
B15	Stations Control & Communication Systems	0.14
B19	Feeder Automation	6.31
B13.1 & 13.2	Stations Switchgear - Municipal and Transformer Stations	0.41

2

3 b) It is not possible to correlate specific non-approved jobs with the deferral of
4 specific jobs from THESL's 2013 work plan into the company's 2014 work plan.
5 For further detail on the process of preparing THESL's work program, please see
6 the response to CCC Interrogatory 1.

7

8 c) As in Phase 1, THESL primarily used operational considerations to determine the
9 sequence in which 2013 jobs would be completed.

10

11 d) No. The deferred projects referenced above are not accounted for in the 2014 in-
12 service amounts THESL is seeking approval for in Phase 2. In other words,
13 THESL is not seeking funding for this work in Phase 2.

RESPONSES TO SCHOOL ENERGY COALITION ON PHASE 2, ISSUE 1

1 **INTERROGATORY 2:**

2 **Reference(s):** Exhibit 9, Tab 1, pg.12

3

4 Please confirm that the Applicant believes that “its entire capital budget to be
5 discretionary” and that all capital expense, either above or below the ICM threshold, are
6 non-discretionary projects as defined in the Phase 1 Decision at p.16-17.

7

8 **RESPONSE:**

9 While THESL is unable to locate the quoted excerpt as referenced above (Exhibit 9, Tab
10 1, page 12), THESL can confirm that the entire capital budget presented in this
11 application is non-discretionary.

RESPONSES TO ONTARIO ENERGY BOARD STAFF INTERROGATORIES ON PHASE 2, ISSUE 2

1 **INTERROGATORY 3:**

2 **Reference(s): T9, S1, p. 3 and Rate Order May 9, 2013 Appendix B**
3 **Accounting Order**

4
5 In the first reference, THESL states that:

6 Since actual in-service amounts for 2013 are not available at the time of
7 preparing this evidentiary update, for the purposes of Phase 2, THESL is
8 filing CWIP amounts resulting from approved 2012 and 2013 ICM
9 projects on the same basis as in its Phase 1 evidence and relying on the
10 true-up process to address any variances.

11
12 a) Please provide a table that would show for each of the segments approved in Phase 1,
13 the following information:

- 14 i) 2012 Board Approved in-service amounts (ISA)
15 ii) 2012 Actual ISA
16 iii) 2013 Board Approved ISA
17 iv) 2013 Actual ISA to date (please specify most recent month of actuals used).

18 Please provide any necessary explanations for any significant variances.

19
20 b) With respect to this update and the second reference, please state whether THESL
21 would presently anticipate a variance amount to be refunded to or collected from
22 customers at the time of THESL's next rebasing application.

23
24 **RESPONSE:**

25 a) The table below provides actual 2012 and forecast 2013 in-service amounts. The
26 values presented include all cost variances resulting from forecast adjustment, job

RESPONSES TO ONTARIO ENERGY BOARD STAFF INTERROGATORIES ON PHASE 2, ISSUE 2

1 advancements, job deferrals, job additions, and job cancellations which may have
 2 occurred during the execution of the work program in 2012 and 2013. Any revenue
 3 requirement consequences as a result of these changes will be addressed through the
 4 True-Up process.

Schedule Number	Segments	Phase 1: Approved			Phase 1: Actuals/Forecast			
		In-Service			In-Service			
		Total 2012 In-Service Additions	Total 2013 In-Service Additions	Total 2014 In-Service Additions	2012 In-Service Additions Actuals	2013 In-Service Additions Actual (YTD Jun)	2013 In-Service Additions Forecast as at Jul 2013 (Annual)	2014 In-Service Additions Forecast as at Jul 2013 (Annual)
B1	Underground Infrastructure	12.74	51.88	23.07	9.29	8.96	33.71	47.36
B2	Paper Insulated Lead Covered Cable - Piece Outs and Leakers	0.04	3.34	2.12	0.11	0.02	0.64	4.76
B3	Handwell Replacement	6.05	17.73	6.52	5.41	6.00	11.33	14.82
B4	Overhead Infrastructure	4.02	39.06	21.87	0.48	2.26	17.62	47.69
B5	Box Construction	0.26	14.35	9.02	-	-	1.18	22.50
B6	Rear Lot Construction	7.25	27.02	11.52	3.49	6.70	18.52	25.29
B9	Network Vault & Roofs	1.26	13.00	7.34	-	0.85	7.21	14.65
B10	Fibertop Network Units	0.65	5.52	3.02	0.96	1.89	5.66	2.70
B11	Automatic Transfer Switches (ATS) & Reverse Power Breakers (RPB)	-	1.99	1.28	-	-	1.48	1.79
B12	Stations Power Transformers	0.17	2.33	1.36	-	-	0.23	3.67
B13.1 & 13.2	Stations Switchgear - Municipal and Transformer Stations	0.77	9.16	5.37	-	-	1.31	14.14
B17	Copeland Transformer Station	-	-	124.10	-	2.08	2.08	110.11
B18.2	Hydro One Capital Contributions	-	-	60.00	-	-	-	60.23
B20	Metering	2.10	7.75	3.29	4.24	6.60	9.16	0.18
B21	Externally-Initiated Plant Relocations and Expansions	4.50	20.78	9.72	1.84	4.16	5.70	28.41
BXX	ICM Understatement of Capitalized Labour	3.69	4.63	-	-	-	-	-
Total ICM Projects		43.49	218.53	289.59	25.82	39.51	115.83	398.29
B7	Polymer SMD-20 Switches	-	0.93	0.60	-	-	1.22	0.31
B8	SCADA-Mate R1 Switches	-	0.87	0.56	-	-	-	1.43
B14	Stations Circuit Breakers	0.34	0.76	0.22	0.22	0.02	1.03	0.06
B16	Downtown Station Load Transfers	0.30	1.68	0.84	-	0.03	0.03	2.78
B18.1	Hydro One Capital Contributions	-	1.48	-	5.48	2.59	2.59	4.22
C1	Operations Portfolio Capital	29.00	87.75	29.66	39.83	25.23	62.93	43.66
C2	Information Technology Capital	9.25	21.47	6.28	7.56	8.31	19.46	9.99
C3	Fleet Capital	0.29	0.76	1.75	0.80	0.16	2.25	-
C4	Buildings and Facilities Capital	3.76	2.90	3.35	1.40	3.58	5.08	3.52
Normal Capital Expenditures		42.94	118.60	43.25	55.28	39.92	94.60	65.96
Grand Total		86.43	337.12	332.84	81.09	79.43	210.43	464.25

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1 The understatement of capitalized labour approved in Phase 1 (Segment BXX) has been
2 allocated to the relevant segments in order to facilitate comparability of approved and
3 actual/forecast ISA amounts. The aggregate approved ISA amounts have not changed.

4

5 Please refer to the response to Board Staff Interrogatory 11 for a description of the
6 current status of the Copeland TS project.

7

2012 Significant Variances

8
9 Actual in-service additions for 2012 are less than approved in various segments. Given
10 that a significant amount of spending occurred at the end of the year within these
11 segments, the in-service amount was not realized until the beginning of 2013.

12

13 Actual 2012 in-service additions in the Operations Portfolio are greater than the approved
14 amount. This is largely due to an increase in customer connections activities than
15 forecast.

16

17 Hydro One Capital Contributions 2012 in-service amounts relate to the Strachan TS A3-4
18 switchgear replacement capital contribution and Glengrove TS A5-6 switchgear
19 replacement capital contribution.

20

RESPONSES TO ONTARIO ENERGY BOARD STAFF INTERROGATORIES ON PHASE 2, ISSUE 2

1 **2013 Significant Variances**

2 Please see response to CCC Interrogatory 1.

3

4 b) At this time, THESL is unable to forecast whether the variance amount will need to
5 be refunded to or collected from customers at the completion of the 2012-2014
6 approved ICM work plan. The exact timing and amount of THESL's application for
7 clearance will depend on full details of the actual work completed being known,
8 which will likely be sometime in the first half of 2015.

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1 **INTERROGATORY 4:**

2 **Reference(s): T4, Sch E1.1, pp. 9-10 and**
3 **T9, Sch D1, pp. 10-11**

4
5 In THESL's Phase 2 filing, it has recalculated the threshold test from that used in Phase 1
6 with the effect that the threshold drops from approximately \$173 million to
7 approximately \$164 million. The first reference is to the threshold parameters and the
8 threshold test used in Phase 1. This shows a price cap index of 0.68% and a growth
9 factor of -0.40%. These are used in calculating the \$173 million threshold.

10

11 The second reference is to the threshold parameters and the threshold test used in Phase
12 2. This shows an updated 2014 price cap index of 0.28% and an unchanged growth
13 factor of -0.40%. These are used in calculating the \$164 million threshold. From the
14 above, it appears that for the Phase 2 threshold calculation, THESL has updated the price
15 cap index threshold parameter to the 2014 number, but for the growth parameter has
16 continued to use the 2013 Phase 1 calculation.

17

18 a) Please confirm that this is what THESL has done in undertaking the threshold tests,
19 or if not, please state what has been done.

20 b) Please recalculate the Phase 2 threshold using the 2014 growth calculation, i.e. a
21 2012 Actual numerator and the 2011 Re-Based Forecast number of \$528,018,642 as
22 the denominator rather than the 2013 growth calculation that has been used.

23

24 **RESPONSE:**

25 a) Correct. THESL understands that the only IRM/ICM parameters which get
26 updated during the IRM/ICM term are the inflation, productivity and stretch

**RESPONSES TO ONTARIO ENERGY BOARD STAFF
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1 factor parameters. This corresponds with how THESL filed the Phase 1 (2012
2 and 2013) ICM parameters, as well as the Phase 2 (2014) ICM parameters.

3

4 b) While THESL believes it has correctly determined the 2014 growth factor for the
5 reasons described above, THESL has calculated what the threshold value would
6 be based on 2012 Actual Revenues (\$532,388,975) and the 2011 Re-Based
7 Forecast Revenues (\$528,018,642). This would produce a Growth variable of
8 0.83%, and a Threshold value of \$192,089,327.

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1 **INTERROGATORY 5:**

2 **Reference(s):** T9, S1, p. 14

3

4 Please provide a version of Table 1 that shows the same information on a May 2012 as-
5 applied-for basis. Please provide any explanations that THESL considers necessary.

6

7 **RESPONSE:**

8 As the provided reference shows 2014 in-service capital, whereas the May 2012 filing
9 was presented on a capital spend basis without consideration to in-service capital,
10 THESL is unable to provide the requested information.

11

12 For comparison, the table below shows the as-applied-for May 2012 capital spending
13 relative to the “2014 Capex” spending as shown in Tab 9, Schedule A1, Table 1. Please
14 see the response to VECC Interrogatory 1 for an explanation of any variances in excess
15 of 10 percent.

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		Phase 2: Proposed Capital Spending	
		EB-2012-0064 Tab 9 Schedule A1 Filed: 2013 Aug 19	EB-2012-0064 Tab 4 Schedule A Appendix 1 Filed: 2012 May 10
Schedule Number	Segments	2014 Capex	2014 Capex
B1	Underground Infrastructure	77.86	74.92
B2	Paper Insulated Lead Covered Cable - Piece Outs and Leakers	3.55	1.47
B3	Handwell Replacement	18.06	7.17
B4	Overhead Infrastructure	26.01	20.11
B5	Box Construction	14.27	27.76
B6	Rear Lot Construction	12.51	11.03
B9	Network Vault & Roofs	2.25	15.57
B10	Fibertop Network Units	7.09	9.36
B11	Automatic Transfer Switches (ATS) & Reverse Power Breakers (RPB)	0.25	3.23
B12	Stations Power Transformers	-	0.87
B13.1 & 13.2	Stations Switchgear - Muncipal and Transformer Stations	3.54	20.31
B15	Stations Control & Communicaton Systems	-	1.34
B19	Feeder Automation	-	7.38
B20	Metering	9.54	10.03
B21	Externally-Initiated Plant Relocations and Expansions	4.55	13.34
B22	Grid Solutions	-	0.96
Total ICM Projects		179.49	224.85
B7	Polymer SMD-20 Switches	3.97	2.94
B8	SCADA-Mate R1 Switches	4.73	2.69
B14	Stations Circuit Breakers	2.63	1.38
B16	Downtown Station Load Transfers	-	3.59
B18.1	Hydro One Capital Contributions ²	2.64	9.00
C1	Operations Portfolio Capital	103.78	121.60
C2	Information Technology Capital	15.00	15.00
C3	Fleet Capital	2.00	2.00
C4	Buildings and Facilities Capital	5.00	5.00
	Allowance for Funds Used During Construction	7.95	1.40
Total Normal Capital Budget		147.70	164.60
Total		327.18	389.45

1 Note: Copeland TS has been excluded from this table as it was fully approved in Phase 1

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1 **INTERROGATORY 6:**

2 **Reference(s): T9, Sch A1, p. 1 and**

3 **T9, Sch B1**

4

5 The first reference is to the Capital Summary Table which contains a column under the
6 main heading “Phase 2: Proposed Capital Spending” entitled “2014 Capex”. For
7 segment B1, this shows an amount of \$77.86 million.

8

9 The second reference is to the detailed information provided by THESL on the B1
10 segment. On page 1, it is stated that “The total cost of the 2014 ICM work program (not
11 including spending related to approved Phase 1 jobs) is \$91.06 million. Relative to the
12 May 2012 filing, forecast 2014 capital expenditures have increased by approximately \$16
13 million.

14

15 Please explain how the \$77.86 million amount in the first reference relates to the \$91.06
16 million amount in the second reference and more generally for each of the project
17 segments how the information contained in the individual project summaries relates to
18 the Capital Summary Table.

19

20 **RESPONSE:**

21 For segment B1, the \$77.86 million in the first reference to the Capital Summary Table
22 represents the forecast 2014 costs. The \$91.06 million in the second reference to the
23 detailed information provided by THESL is the total project cost, which may include
24 spending in years other than 2014 (but does not include any spending related to approved
25 Phase 1 jobs). Where applicable, this relationship between the first and second reference
26 generally applies for each of the project segments presented in THESL’s evidence.

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1 **INTERROGATORY 7:**

2 **Reference(s): T9, Sch A1 to C4 and**
3 **T9, SchB1, p.4**

4
5 In the referenced sections, THESL refers to “continuing priority needs of the system”
6 when discussing the changes in these segments that have occurred relative to the May
7 2012 filing.

8
9 The second reference which relates to segment B1 contains a statement that “Relative to
10 May 2012 filing, 19 new jobs have been added to the segment and two jobs have been
11 removed.”

12
13 Using this specific example, please explain how within the context of “continuing
14 priority needs of the system” it was determined that these changes should be made.

15
16 **RESPONSE:**

17 Of the 19 jobs listed in Table 2 in Tab 9, Schedule B1, p.4, 15 were added to segment B1
18 due to one or more of the following reasons:

- 19 a) To stabilize reliability on specific feeders or in specific areas where direct buried
20 cable failures have resulted in sustained outages.
21 b) To replace very old direct buried cable that has passed its useful life and is
22 susceptible to failure.
23 c) Coordination of construction with third parties.

24

RESPONSES TO ONTARIO ENERGY BOARD STAFF INTERROGATORIES ON PHASE 2, ISSUE 2

1 The following three jobs appeared in the May 2012 filing, but were presented as
2 additional jobs in Table 2 in Tab 9, Schedule B1, p.4 as a result of an administrative
3 error.

- 4 • Underground Rehabilitation of Feeder NY51M7
- 5 • Underground Rehabilitation of Feeder NY53M25
- 6 • Underground Rehabilitation of Feeders NY80M30, NY80M29 (in the May 2012
7 filing under the title “Underground Rehabilitation of Feeder NY80M30”)

8
9 Job “Underground Rehabilitation of Feeder SCNA47M17” was also in the May 2012
10 filing and incorrectly appears in Table 2 in T9, SchB1, p.4. Two sub-jobs, namely
11 E11223 and E12267, were added to this job in the 2014 update to help reduce the number
12 of direct buried cable failures on feeder SCNA47M17. These job changes should have
13 been presented in Table 4 in T9, SchB1, p.5.

14
15 These errors are in presentation only. The in-service additions for segment B1 are based
16 on the complete list of 2014 jobs in Table 1 in T9, SchB1, p.2.

17
18 The removal of the jobs listed in Table 3, in T9, SchB1, p.4, was due to one or more of
19 the following reasons:

- 20 a) Improving reliability on the affected feeder.
- 21 b) Misalignment between the job and segment B1.

22
23 For job-specific explanations of additions and removals in segment B1, please refer to
24 Tables 1 and 2 in Appendix A of the response to SEC interrogatory 8.

25
26

**RESPONSES TO ONTARIO ENERGY BOARD STAFF
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1 **INTERROGATORY 8:**

2 **Reference(s): T9, S1.p. 14 and**
3 **T9, Sch B1, pp.2-3 and**
4 **T9, Sch A1 to C4**

5

6 The first reference shows that for segment B1 Total CAPEX In-Service for 2014 is
7 forecast as \$59.77 million. The second reference's Table 1 shows that the 2014 work
8 program for this segment consists of 36 jobs having an estimated cost of \$91.06 million.

9

10 a) Please state which of these 36 jobs are expected to be completed in 2014 and how
11 THESL made this determination.

12 b) Please provide a similar analysis for segments B4, B5, B6, B9, B10, B12 and B13.2
13 specifying which of the jobs for each of these segments constitute the in-service
14 amounts and how these determinations were made.

15

16 **RESPONSE:**

17 a) As in Phase 1 of this proceeding, the determination of the amount of total capital that
18 was forecast to be in-service in 2014 was based on historical estimates, which were
19 applied to total segment costs and not to the specific jobs within each segment.

20 Therefore, THESL is currently unable to determine which of these jobs will actually
21 be completed in 2014. Please refer to page 12, lines 23-25 of THESL's Phase 2
22 Manager's Summary (Tab 9, Schedule 1).

23

24 b) See response to question 8(a) above.

25

**RESPONSES TO ONTARIO ENERGY BOARD STAFF
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1 **INTERROGATORY 9:**

2 **Reference(s):** **Board Staff Submission Toronto Hydro-Electric System**
3 **Limited Jan. 10, 2013. p. 21**

4
5 Board staff submitted that for this segment THESL had only provided justification for the
6 replacement of 7 of the 12 transformers on a non-discretionary basis.

7
8 Please state whether the replacement of these transformers was or will be completed in
9 2013, or if not whether this will be achieved in 2014.

10
11 **RESPONSE:**

12 The replacement of the 7 transformers is scheduled for completion as follows:

Transformer Replacement Description	Year
1) Ellesmere White Abbey MS - TR1	2013
2) Edenbridge MS - TR1	2013
3) Kingston Morningside MS - TR1	2014
4) High Level MS - TR1	2014
5) High Level MS - TR2	2014
6) Blaketon MS -TR1	2014
7) Albion MS - TR2	2014

13

RESPONSES TO ONTARIO ENERGY BOARD STAFF INTERROGATORIES ON PHASE 2, ISSUE 2

1 **INTERROGATORY 10:**

2 **Reference(s):** **Partial Decision and Order April 2, 2013, p. 38**

3

4 The Board's findings for Segments B13.1 and B13.2 were as follows:

5 The Board agrees with Board Staff, VECC and SEC that as far as the TS
6 stations with health indices of "Fair", the work does not need to be
7 undertaken during the IRM period as there does not appear to be any
8 imminent risk of failure, based on THESL's assessment of the assets. The
9 Board accepts the need to proceed with the 4 TS in the IRM period.

10

11 Please state whether the replacement of the switch gear in the 4 TSs identified above was
12 or will be completed in 2013, or if not whether this will be achieved in 2014.

13

14 **RESPONSE:**

15 The 4 TS Switchgears referenced above in the OEB's findings concerning segment B13.1
16 are Wiltshire TS A3-4W, Duplex TS A5-6DX, Carlaw TS A6-7E and Strachan TS A7-
17 8T. Carlaw TS A6-7E is the only switchgear replacement job that will be completed in
18 2013 or 2014.

19

Station Name and Bus ID	In-Service Date	Comments
Carlaw TS A6-7E	2014	Connection Cost Recovery Agreement (CCRA) executed June 30 th , 2013. Project rescheduled to accommodate HONI's in-service date of 2014.

**RESPONSES TO ONTARIO ENERGY BOARD STAFF
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Wiltshire TS A3-4W	2015	Engineering Study Agreement executed between THESL and HONI on August 1 st , 2012. HONI has not provided a CCRA for execution. Project has been rescheduled to accommodate HONI's current estimated in-service date of 2015
Duplex TS A5-6DX	2016	Engineering Study Agreement executed between THESL and HONI on February 21 st , 2013. HONI has not provided a CCRA for execution. Project has been rescheduled to accommodate HONI's current estimated in-service date of 2016
Strachan TS A7-8T	2016	Engineering Study Agreement executed between THESL and HONI on August 1 st , 2012. HONI has not provided a CCRA for execution. Project has been rescheduled to accommodate HONI's estimated in-service date of 2016

1

**RESPONSES TO ONTARIO ENERGY BOARD STAFF
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1 **INTERROGATORY 11:**

2 **Reference(s): T4, Sch B17. p. 31 and Partial Decision and Order April 2,**
 3 **2013, pp. 51-52**

4
 5 The first reference Figure 10, as updated October 31, 2012, is a chart of the tasks required
 6 to implement the Bremner (now Copeland) TS project.

7
 8 In the second reference on page 51, the Board states that it will review Bremner costs to
 9 date during Phase 2 of this proceeding and again once it is in-service.

10
 11 In the second reference on page 52, the Board approved a total recovery for the Bremner
 12 project of \$184.1 million.

- 13
 14 a) Please update Figure 10 to reflect the current status of the project. Please discuss any
 15 significant changes which have occurred since this chart was filed on October 31,
 16 2012.
 17 b) Please provide the information outlined in the table below for this project.

Item	Description	Cost Estimates (\$ millions)		Percentage Of Task/Acquisition Completed to Date
		Cost Estimate Reflecting Board approved Amount for 2014 In Service	Current Estimate	
Station Cost	Land			
	Building			
	Substation Equipment			
	Distribution Modification			
	Design Substation			
Tunnel	Design			
	Construction			
HONI	Capital Contribution			
Total Cost				

18

RESPONSES TO ONTARIO ENERGY BOARD STAFF INTERROGATORIES ON PHASE 2, ISSUE 2

1 **RESPONSE:**

2 a) Please see Appendix A, which contains an updated version of Figure 10.

3 The most significant change to this chart is the start date for the construction of the
4 project.

5

6 The original Figure 10 submitted on Oct 12th 2012 indicates that construction was
7 originally anticipated to begin in early January 2012 and the station, on that basis, was
8 due to be commissioned and in service by December 2014.

9

10 However, approval to proceed was not granted until April 2nd 2013 and, as a result,
11 construction did not begin at the site until early May. Despite this late start, THESL has
12 negotiated all construction and supply contracts so as to achieve the originally forecast
13 in-service date of December 2014.

14

**RESPONSES TO ONTARIO ENERGY BOARD STAFF
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1 b) Please see the table below:

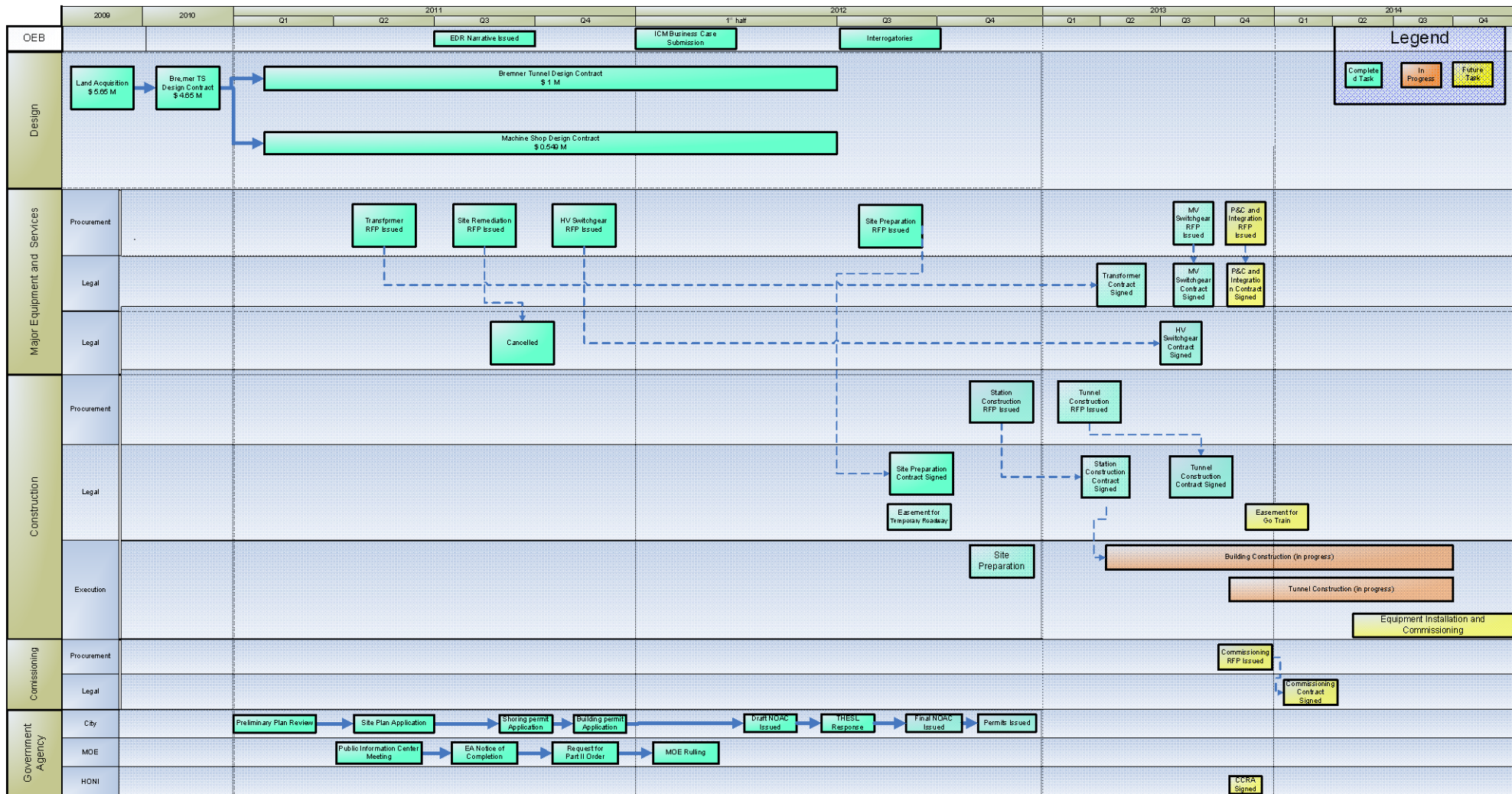
2

Item	Description	Cost Estimates (\$ millions)		Percentage Of Task/Acquisition Completed to October 31st ¹
		Cost Estimate Reflecting Board approved Amount for 2014 In Service	Current Estimate	
Station Cost	Land	5.6	5.6	100%
	Building	53.3	61.6	25%
	Substation Equipment	52.6	35.5	8%
	Distribution Modification	2.3	3.3	89%
	Design & Construction PM-substation	6.2	7.2	72%
Tunnel	Design & Construction PM	0.6	0.8	50%
	Construction	14	12.1	17%
HONI	Capital Contribution	60.4	60.4	31%
Total Cost		195.0	186.5 ²	

3 ¹ The percentage completed is determined as the percentage of total budget spent against current estimate on any given cost category.

4 ² Does not include AFUDC.

Figure 10 - Updated



RESPONSES TO ONTARIO ENERGY BOARD STAFF INTERROGATORIES ON PHASE 2, ISSUE 2

1 **INTERROGATORY 12:**

2 **Reference(s):** T9, Sch C1

3

4 On page 1 of the above reference, THESL notes that the Board had in the Partial
5 Decision and Order determined that THESL had presented insufficient evidence on the
6 C1 sub category “Continuing Projects and Emerging Issues” proposed expenditures for
7 the Board to determine whether or not they were non-discretionary. THESL stated that it
8 had accordingly broken down this sub category into four sub categories, one of which is
9 “Critical Stations Work”. There are seven components to this sub category, one of which
10 is 6.6, Station Contingency Service which is described as being to provide Copeland
11 station with stand-by service from Esplanade.

12

13 a) Please explain why the expenditures included in the seven components are not
14 included with the other costs related to the relevant municipal or transformer station
15 (e.g., Job 6.6 to be included with the Copeland TS – approved for construction).
16 Please state whether or not there are any other Copeland expenditures treated
17 similarly and, if so, what they are.

18

19 **RESPONSE:**

20 The work in the “Critical Stations Work” sub-category does not match the work in any
21 existing ICM segment such that it would be logical to include this work there. All jobs,
22 whether above or below the threshold, are non-discretionary.

23

24 With respect to component 6.6, “Station Contingency Service,” the stand-by service from
25 Esplanade TS for Copeland TS is intended to add redundancy in station service supply
26 for Copeland TS. This work is outside of the scope of work for the Copeland TS project.

**RESPONSES TO ONTARIO ENERGY BOARD STAFF
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- 1 Copeland TS has redundancy within the station itself; the Esplanade service serves a
- 2 different purpose, providing redundancy in the event of a major station service failure.
- 3 There are no other expenditures related to the Copeland TS akin to the Esplanade service.

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1 **INTERROGATORY 13:**

2 **Reference(s):** T4, Sch C2, p. 1.Table1 and
 3 T9, Sch C2, p. 1. Table 1
 4

5 The Table below shows capital expenditure estimates for two of the projects in this
 6 category from the Phase 1 filing and as updated for Phase 2.
 7

Project Name	Tab 4/S C2/p.1/Table 1 [Updated 2012 Oct 31]			Tab 9/S C2/p.1/Table 1
	2012 (\$M)	2013 (\$M)	2014 (\$M)	2014 (\$M)
Corporate Application Upgrade	1.09	1.12	0.45	4.00
Geospatial Information System & Outage Management System Upgrade	0.40	2.63	3.57	0.50

- 8
- 9 a) Please state the percentage of completion that is anticipated for the Geospatial
 10 Information & Outage System Upgrade anticipated by the end of 2013.
- 11 b) Please explain the increase in the capital expenditures for the Corporate Application
 12 Upgrade from \$0.45 million which was the Phase 1 estimate to \$4.0 million in Phase
 13 2. Please also list the systems that are expected to be in-service by the end of 2013
 14 and 2014 respectively.
 15
 16

RESPONSES TO ONTARIO ENERGY BOARD STAFF INTERROGATORIES ON PHASE 2, ISSUE 2

1 **RESPONSE:**

2 a) THESL has deferred the Geospatial Information System (GIS) and Outage
3 Management System (OMS) Upgrade project to a starting date of late 2014. These
4 upgrades remain urgent and non-discretionary; however, THESL's assessment of the
5 available upgrade solutions identified a gap in the desired tool capabilities related to
6 computer-aided design (CAD) functionality. Rather than proceed with a basic
7 upgrade, THESL decided that the prudent course of action was to continue
8 purchasing extended vendor support for the existing systems and to delay the project
9 start date by approximately two years in order to assess solutions that better meet
10 long-term business needs.

11

12 The decision to defer the GIS and OMS upgrade project coincided with the re-
13 prioritization of the Corporate Application Upgrade project. In 2012 and 2013,
14 THESL increased funding in this area of the non-discretionary IT capital budget in
15 order to respond to the imminent termination of extended vendor support for critical
16 software assets, including the company's core operating system.

17

18 b) The Phase 2 increase in capital expenditures for the Corporate Application Upgrade
19 project is a result of the decision, explained in the second paragraph in part a) above,
20 to increase funding for addressing to the end of vendor support for critical assets like
21 Windows XP and other utilities. On April 8, 2013, Microsoft officially announced
22 that it was ending extended support for Windows XP, with an end-of-support date of
23 April 8, 2014. End of extended support means that THESL can no longer purchase
24 support services from Microsoft that provide automatic fixes, updates, security
25 patches or online technical assistance on issues relating to Windows XP.

26 THESL's core operating system is Windows XP and it must be upgraded to avoid

RESPONSES TO ONTARIO ENERGY BOARD STAFF INTERROGATORIES ON PHASE 2, ISSUE 2

1 operating risk, system reliability risk and security vulnerabilities that are inherent
2 with an unsupported operating system.

3

4 The following systems are expected to be in-service by the end of 2013 and 2014:

Project Name	Component Systems	Estimated In-Service Date
Corporate Application	Microsoft Suite	2014
Upgrades	Time & Attendance	2013
	2 Ledgers in SAP	2014

5

**RESPONSES TO ONTARIO ENERGY BOARD STAFF
 INTERROGATORIES ON PHASE 2, ISSUE 2**

1 **INTERROGATORY 14:**

2 **Reference(s): T9, Sch 2-5: 2014 Deferral and Variance Details**

3

4 With regards to Accounts 1588 Power and Account 1589 Global Adjustment (or Account
 5 1588 –Sub Account Global Adjustment), THESL shows no variance in the “Variance
 6 RRR vs. 2012 Balance” column in the DVA continuity schedule. Board Staff notes that
 7 the RRR balances on the continuity schedule do not agree with the balances THESL filed
 8 with the Board. The differences are as follows:

9

		RRR 2.1.7 as	DVA Continuity Schedule - 2012 Balance			Difference
		Reported to	and RRR Balance			
		Total Balance	Principal	Interest	Total	
					Balance	
1588	RSVA Power	29,694,365	5,597	165	5,762	29,688,604
1589	RSVA GA	0	28,496,060	1,192,544	29,688,604	(29,688,604)

10

- 11 a) Please explain why there are differences in Accounts 1588 and Account 1589
 12 between the amounts filed with the Board in RRR 2.1.7 and the amounts on the DVA
 13 continuity schedule.
- 14 b) Please explain the nature of the \$0 balance as reported to the Board for Account 1589.
- 15 c) Please explain the nature of the \$5,762 balance in the DVA continuity schedule for
 16 Account 1588.
- 17 d) Please explain if THESL’s approach for accounting for Accounts 1588 and 1589
 18 conforms with the Accounting Procedures Handbook.

19

20

**RESPONSES TO ONTARIO ENERGY BOARD STAFF
INTERROGATORIES ON PHASE 2, ISSUE 2**

1 **RESPONSE:**

2 a) The variance shown in the table is due to the inclusion of 1589- RSVA Global
3 adjustment balances in the RSVA Power account 1588 in the December 2012 RRR 2.1.7
4 Filing.

5

6 b) See response to part (a).

7

8 c) The balance reflects the balance RSVA Power account 1588 as of Dec 31, 2012. This
9 minimal balance is a residual balance which has been recorded since clearance of the
10 non-GA balances in account 1588 in 2010.

11

12 d) THESL believes its accounting for all OEB accounts is in accordance with the
13 Accounting Procedures Handbook for Electricity Distributors.

RESPONSES TO SCHOOL ENERGY COALITION ON PHASE 2, ISSUE 2

1 **INTERROGATORY 3:**

2 **Reference(s):**

3

4 Please provide a table, by segment (Phase 1 B and C segments), showing the 2012 and
5 2013 the Board approved in-service additions and the actual in-service additions (or
6 projected year-end for 2013).

7

8 **RESPONSE:**

9 Please refer to the response to Board Staff interrogatory 3.

RESPONSES TO SCHOOL ENERGY COALITION ON PHASE 2, ISSUE 2

1 **INTERROGATORY 4:**

2 **Reference(s):**

3

4 Please provide a table showing, by segment (Phase 1 B and C segments), the total amount
5 of in-service additions proposed for 2014, for jobs that were originally scheduled to be
6 in-service in 2012 and/or 2013 at the time of the issuance of the Phase 1 Draft Rate
7 Order.

8

9 **RESPONSE:**

10

11 None of the capital expenditures or corresponding in-service additions proposed for 2014
12 include amounts in respect of jobs that were previously approved on the basis of being in-
13 service in 2012 or 2013. That is, none of the proposed 2014 in-service additions in the
14 right-most column of Table 1 (Tab 9, Schedule A1) are based on jobs that were forecast
15 to be in service in 2012 or 2013 during Phase 1 of this application. THESL is not seeking
16 ICM riders for work that, in Phase 1, was forecast to be in service in 2012 or 2013.

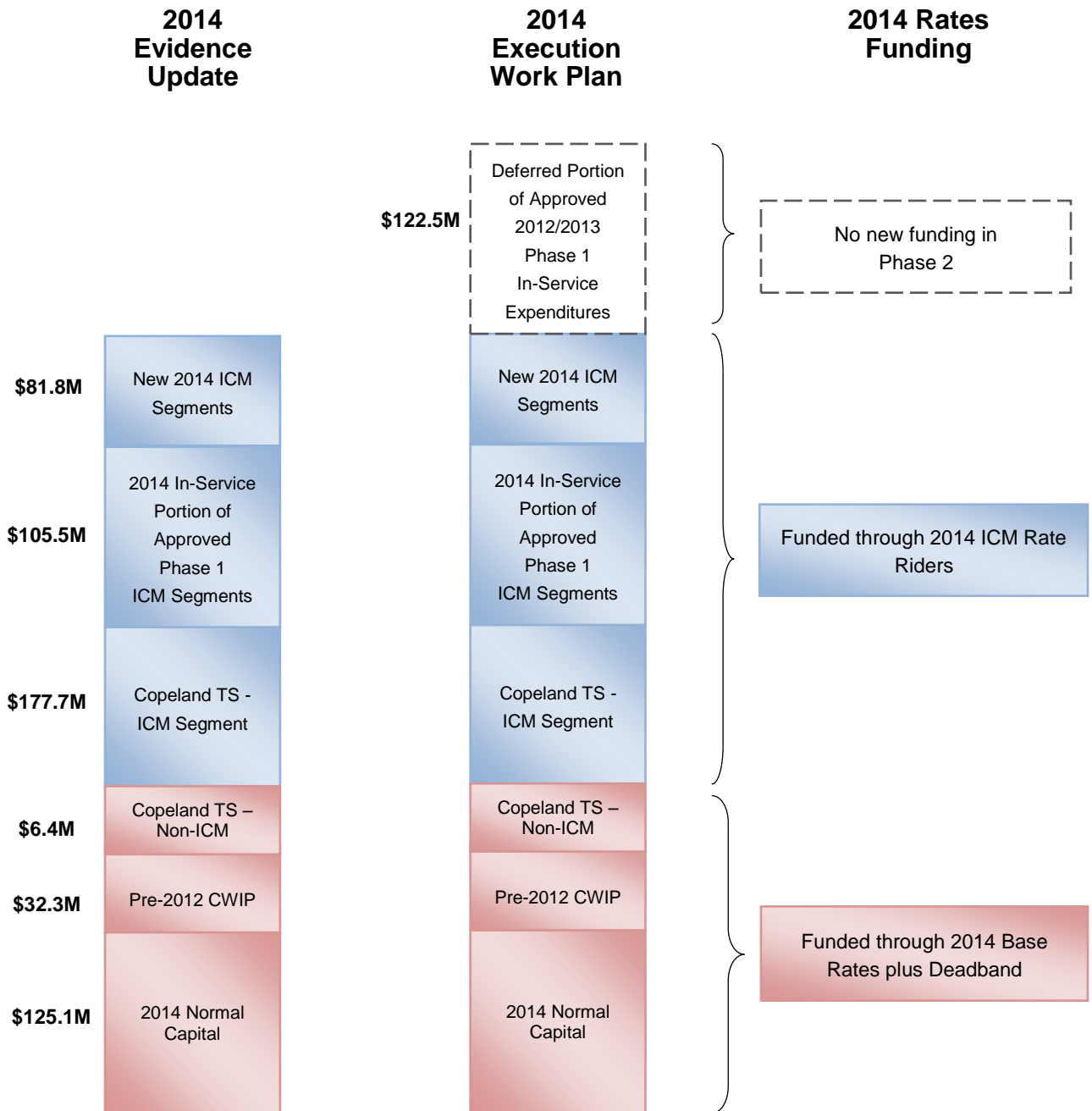
17

18 For a listing of actual 2012 and forecast 2013 in-service amounts, please see response to
19 Board Staff interrogatory 3a.

20

21 Please see attached Appendix A explaining the composition of THESL's 2014 work
22 program.

Appendix A: Work Program – Execution and Funding



THESL expects that work approved in Phase 1 but not in service in 2013 will form part of THESL's capital work program in 2014. As this work was already accounted for in the funding provided in Phase 1, THESL has not requested additional funding for this work in the proposed 2014 ICM riders, nor has it counted this work within its 2014 Normal Capital Budget. Variances, including the actual in-service year for such work, can be addressed at the time of true-up – ratepayers will be kept whole.

This diagram is not to scale.

RESPONSES TO ONTARIO ENERGY BOARD STAFF INTERROGATORIES ON PHASE 2, ISSUE 3

1 **INTERROGATORY 15:**

2 **Reference(s): T2 and T9, S1. p. 6**

3

4 THESL states that:

5 As in Phase 1, THESL considers its entire capital budget to be non-
6 discretionary. THESL uses other criteria beyond the non-discretionary
7 nature of the spending (“discrete”, for example) to distinguish between
8 spending which will be funded with existing rates up to the materiality
9 threshold (including some portion that will be unfunded through the use of
10 the Deadband) and spending that will not be funded through existing rates
11 but rather through ICM riders that will be tracked and subject to true up.

12

13 Please confirm that the “other criteria” referenced above are identical to those outlined in
14 the Phase 1 Manager’s Summary, or if there are any differences, please state what they
15 are and why the changes were made.

16

17 **RESPONSE:**

18 THESL confirms that its definition and application of the criteria referenced in the
19 Manager’s Summary (Tab 2) remain unchanged as between Phase 1 and Phase 2.

**RESPONSES TO ONTARIO ENERGY BOARD STAFF
INTERROGATORIES ON PHASE 2, ISSUE 3**

1 **INTERROGATORY 16:**

2 **Reference(s):** T9, S1, p. 6

3

4 As illustrated in Figure 1, to the extent that THESL's non-discretionary, non-ICM capital
5 work and pre-2012 CWIP do not reach the ICM materiality threshold, THESL has
6 designated a portion of the approved Copeland TS ICM project to be funded within its
7 Normal Capital budget. This portion of the Copeland TS project would not be funded
8 through the ICM rate rider.

9

- 10 a) Please provide further explanation as to why THESL has made the referenced
11 designation and why it believes such a designation would be in compliance with the
12 Board's Partial Decision and Order of April 2, 2013.
- 13 b) In the event THESL had not designated a portion of the approved Copeland TS ICM
14 project to be funded within its Normal Capital budget, please state what the impact
15 would have been on THESL's requested recoveries in this application.

16

17 **RESPONSE:**

- 18 a) THESL has designating a portion of the Copeland TS ICM segment as funded
19 through the Normal Capital Budget because it believes this approach reflects the
20 requirements for ICM relief. Given that THESL's forecast Normal Capital Budget
21 for 2014 is below the materiality threshold, THESL has funding available in forecast
22 base rates to support a portion of its proposed and/or approved ICM projects. While
23 for the purposes of ratemaking it would be possible to choose any of the proposed
24 ICM projects or segments and designate it as partially funded through rates, THESL
25 selected the Copeland TS station because it would simplify the reconciliation process
26 at the time of true-up, as the partially available additional funding would only be

RESPONSES TO ONTARIO ENERGY BOARD STAFF INTERROGATORIES ON PHASE 2, ISSUE 3

1 applied to offset the revenue requirement of one specific project segment (Copeland
2 TS) which is limited to one specific year (2014), rather than a whole series of ICM
3 projects for which ICM funding is recovered by one unified rate rider over the course
4 of two years, and for which the Board has approved the shifting of jobs between
5 years.

6
7 THESL believes this proposal is in compliance with the OEB's Partial Decision and
8 Order, as the decision approved the Copeland TS project but deferred the
9 establishment of the Copeland TS ICM rate riders until Phase 2, specifically to take
10 THESL's entire 2014 capital budget into account.¹

11

12 b) If THESL were not to have designated a portion of the Copeland TS as funded within
13 its Normal Capital Budget through existing base distribution rates, THESL would
14 have designated one of the other proposed 2014 ICM project segments for this
15 purpose. THESL's total requested ICM recovery would not change, but one of either
16 the Copeland TS ICM rate rider or the generic ICM rate rider could be reduced
17 depending on which ICM project was designated to be partially funded within the
18 Normal Capital Budget.

¹ Partial Decision and Order, page 53: "Based on the original application which included the 2014 information, it appears to the Board that the \$184.1M would fall within the allowable 2014 incremental envelope. If however, as part of phase 2 of this proceeding, or any other future proceeding that will review 2014 rates, it is determined that this is not the case, the Board will address the matter at that time. The Board notes that the approved spending for Bremner as part of this phase of the proceeding will be included in phase 2 when considering the incremental 2014 eligible capital amounts."

**RESPONSES TO ONTARIO ENERGY BOARD STAFF
INTERROGATORIES ON PHASE 2, ISSUE 3**

1 **INTERROGATORY 17:**

2 **Reference(s): T9, S1, p. 6**

3

4 On this page, THESL states that among other things it seeks the Board's determination
5 that "THESL's 2014 Normal Capital Budget is deemed non-discretionary and inclusive
6 of pre-2012 CWIP meets or exceeds the ICM materiality threshold"

7

- 8 a) Please provide a detailed explanation as to why THESL believes that the Board
9 should deem its normal capital budget as non-discretionary including discussion as to
10 why such a finding would be in accord with the Board's Filing Requirements and any
11 precedents THESL believes may exist in support of such a finding.
- 12 b) In the event the Board was to decide not to deem THESL's entire normal capital
13 budget as non-discretionary, please state what the impact would be on THESL's total
14 2014 Eligible ICM recovery amount.
- 15 c) Please state whether or not THESL would anticipate making any discretionary capital
16 expenditures in 2014 or subsequent years. If yes, please state when such expenditures
17 would be expected to occur and what type of expenditures they would be.

18

19 **RESPONSE:**

- 20 a) THESL's understanding of the mechanics of the ICM formula is that only capital in
21 excess of the materiality threshold is eligible for ICM relief, and that the capital within
22 the materiality threshold is expected to be composed of non-discretionary items. THESL
23 believes that this issue was first addressed, and most definitively explained, in the OEB's
24 Decision in EB-2008-0205. On page 12 of that decision, the OEB states:

25

RESPONSES TO ONTARIO ENERGY BOARD STAFF INTERROGATORIES ON PHASE 2, ISSUE 3

1 “The Board does not need to consider the level or prudence of total
2 planned spending for a test year. The Board only needs to consider
3 whether the planned budget exceeds the threshold amount and, if so,
4 whether the threshold amount can reasonably be viewed as the minimum
5 level of non-discretionary capital spending in a given test year.”
6

7 THESL believes that in all subsequent ICM decisions the OEB has accepted that the
8 proposed Normal Capital Budget of the applicant utility was non-discretionary for the
9 purposes of performing the materiality threshold calculation. This is also the approach
10 that THESL proposed, and THESL understands the OEB accepted, in Phase 1 of this
11 proceeding through the approval of portions of THESL’s “C” Segments and pre-2012
12 CWIP.¹
13

14 b) THESL believes that all capital used for the purposes of meeting the materiality
15 threshold is non-discretionary (see response to a) above). THESL is unsure of what the
16 impact would be if the OEB was to decide not to deem THESL’s entire normal capital
17 budget as non-discretionary, and presumes that this is a matter that the Board would
18 decide in the circumstances of a particular case.
19

20 c) THESL does not view any of the capital expenditures presented in this application for
21 2014 as discretionary. THESL’s planned spending for 2014 is largely composed of
22 segments that the OEB already found to be non-discretionary in Phase 1.
23

24 THESL cannot presently speculate on the specific spending it will undertake in future
25 years, as the details of its anticipated capital spending beyond 2014 are not currently

**RESPONSES TO ONTARIO ENERGY BOARD STAFF
INTERROGATORIES ON PHASE 2, ISSUE 3**

- 1 available. However, it expects that the types/segments of work presented in this
- 2 application will continue to form part of its long term capital refurbishment plan.

¹ Partial Decision and Order, pages 14, 62-66,

RESPONSES TO ENERGY PROBE INTERROGATORIES ON PHASE 2, ISSUE 3

1 **INTERROGATORY 1:**

2 **Reference(s): T9, S1, pp. 6**

3

4 With reference to Staff's IR 3-Staff-17 please provide answers to the following additional
5 questions:

6

7 a) Does THESL seek a declaration from the Board that the expenditure amount or the
8 work content (or both) of its 2014 normal capital budget is non-discretionary?

9

10 b) If the Board does provide the requested declaration would THESL then interpret that
11 to mean that those work programs are non-discretionary for all future rate
12 applications and/or ICM applications?

13

14 **RESPONSE:**

15 a) THESL does not seek a "declaration" from the OEB that the expenditure and work in
16 its capital budget is non-discretionary and THESL does not request that the OEB treat
17 this amount any differently than it did in Phase 1. THESL believes that in previous
18 ICM decisions the OEB has accepted that the proposed Normal Capital Budget of the
19 applicant utility was non-discretionary for the purposes of performing the materiality
20 threshold calculation. Please also see the response to Board Staff Interrogatory 17
21 (Tab 10C, Schedule 1-17).

22

23 b) See response to a) above.

RESPONSES TO SCHOOL ENERGY COALITION ON PHASE 2, ISSUE 3

1 **INTERROGATORY 5:**

2 **Reference(s):**

3

4 Please provide a copy of all presentations and other documents provided to the Board of
5 Directors and Senior Management supporting approval of this phase of the application
6 and the associated budgets.

7

8 **RESPONSE:**

9 THESL notes the issues currently before the OEB do not arise in the context of a new
10 application, but as a continuation of the application THESL filed on May 10, 2012. In
11 Phase 1, THESL previously identified the materials provided to the Board of Directors
12 and senior management in connection with the approval of this application, and any
13 approvals remain effective for the second phase of the application (see Phase 1 CCC
14 Interrogatory 2, Tab 6B, Schedule 6-2).

15

16 As described in the 2014 Update Manager's Summary, the nature and organization of the
17 ICM segments proposed in Phase 2 of this application are the same as those approved by
18 the OEB for 2012 and 2013 (see Tab 9, Schedule 1, page 11). Accordingly, this Phase 2
19 of the proceeding is an extrapolation of Phase 1. As a result, THESL's process of
20 updating the evidence regarding Phase 2 was a matter of identifying THESL's 2014 work
21 program within the segments approved by the OEB in Phase 1. For further discussion of
22 the development of THESL's 2014 work program, please see THESL's response to CCC
23 Interrogatory 1.

24

25

RESPONSES TO SCHOOL ENERGY COALITION ON PHASE 2, ISSUE 3

1 The following documents and correspondence were provided to THESL's senior
2 management and employees in relation to Phase 2 of this application:

- 3 1. *Job-level summary of OEB Phase 1 Decision, distributed April 19, 2013.*
4 *Attached as Appendix A.*
- 5 2. *Email from Regulatory Counsel to relevant business units regarding meeting to*
6 *review evidence preparation process, dated June 7, 2013.*
7 *Attached as Appendix B.*
- 8 3. *"2014 ICM Update Schedule" timeline prepared by Regulatory Affairs,*
9 *distributed to relevant business units on June 12, 2013.*
10 *Attached as Appendix C.*
- 11 4. *Email from Regulatory Affairs Consultant to capital segment business units with*
12 *directions on preparing 2014 segment evidence, dated July 3, 2013.*
13 *Attached as Appendix D.*
- 14 5. *Template¹ to guide in preparation of 2014 segment evidence, distributed July 3,*
15 *2013. Attached as Appendix E.*
- 16 6. *Email from Regulatory Counsel regarding final review of evidentiary update,*
17 *dated August 16, 2013. Attached as Appendix F.*

18
19 The following document was provided to the Board of Directors in relation to Phase 2 of
20 this application:

- 21 1. *Regulatory Update (prepared by counsel) regarding 3GIRM model and 2014*
22 *evidentiary update, distributed August 15. Attached as Appendix G.*

23
24

¹ Template based on segment B2 – PILC.

RESPONSES TO SCHOOL ENERGY COALITION ON PHASE 2, ISSUE 3

1 The following privileged documents and correspondence were prepared by counsel and
2 provided to senior management in relation to Phase 2 of this application:

- 3 1. *Memorandum prepared by Regulatory Counsel interpreting and advising on*
4 *Phase 1 Decision, distributed April 19, 2013.*
- 5 2. *Memorandum prepared by Regulatory Counsel advising on capital program*
6 *execution following Phase 1 Decision, distributed April 19, 2013.*
- 7 3. *Email from Regulatory Counsel to senior management advising on 2014*
8 *evidentiary update, distributed July 8, 2013.*
- 9 4. *Memorandum prepared by Regulatory Counsel interpreting and advising on*
10 *Phase 1 Decision, distributed July 11, 2013.*

11
12 THESL declines to produce these documents on the basis that the materials and
13 information sought are privileged as communications between solicitor and client
14 and are materials produced in contemplation of litigation.

15
16 The following privileged document was prepared by counsel and provided to the Board
17 of Directors in relation to Phase 2 of this application:

- 18 1. *Phase 1 Decision analysis prepared by Regulatory Counsel, distributed*
19 *August 15.*

20
21 THESL declines to produce this document on the basis that the materials and
22 information sought are privileged as communications between solicitor and client
23 and are materials produced in contemplation of litigation.

B1 Underground Infrastructure	EST21854_009	21854_009 ICM E11372 FESI-12 HUPFIELD UG RBLD P2 RC3110 2011 CapEx WBS Rev Nov 22_1C	0.74	0.59	-	0.74	0.59	-	Proceed
B1 Underground Infrastructure	EST21864_001	21864_001 E13129 Rebuild UG Trunk NT63M8 M11 McCow an - Civi	-	0.65	-	-	0.65	-	Proceed
B1 Underground Infrastructure	EST22073_002	22073_002 Keegan Cresc UG Rebuild W11615 W11615 11-E63	0.04	-	-	0.04	-	-	Proceed
B1 Underground Infrastructure	EST22215_009	22215_009 PCI-E11618 Ingleton Feeder Main Phase B UPCMS #TP-2011-8054	0.01	-	-	0.01	-	-	Proceed
B1 Underground Infrastructure	EST22319_001	W13193 - UG Primary Rehab - Arrow Rd 55M21 (EST21664_001	-	1.51	-	-	1.51	-	Proceed
B1 Underground Infrastructure	EST22356_009	22356_009 ICM E11356 FESI 47M3 PENNYHILL UG RBLD RC3110 2011 CapEx WBS Rev Nov 22_1C	0.72	0.28	-	0.72	0.28	-	Proceed
B1 Underground Infrastructure	EST22424_009	22424_009 ICM E11592 FESI Leslie & Nymark Ph2-51M6 UG Cable & Switchgear Replacement	1.34	0.16	-	1.34	0.16	-	Proceed
B1 Underground Infrastructure	EST22591_001	22591_001 E13267 UG Rebuild 63M8 Silver star Midla nd - Civi	-	0.43	-	-	0.43	-	Proceed
B1 Underground Infrastructure	EST22715_001	22715_001 W13278 - Northview heights Civil Rebuild	-	2.48	-	-	2.48	-	Proceed
B1 Underground Infrastructure	EST22814_X03	W12077 Hogs Hollow Ph2 (Plymbridge/Maytree) Civil (EST19522_001	0.02	-	-	0.02	-	-	Proceed
B1 Underground Infrastructure	EST22928_009	22928_009 ICM E11380 FES-12 EMPRINGHAM/MCLEVIN RC3110 2011 CapEx WBS Rev Nov 22_1C	1.42	0.41	-	1.42	0.41	-	Proceed
B1 Underground Infrastructure	EST23241_002	23241_002 Harrison Garden-UG Primary Rehab-Phase 2 2012 costs FESI- E1265	0.52	-	-	0.52	-	-	Proceed
B1 Underground Infrastructure	EST23556_001	23556_001 E12666 Phase 1 Reconfigure 80M29 -Harris on Garder	0.16	-	-	0.16	-	-	Proceed
B1 Underground Infrastructure	EST24500_009	24500_009 ICM-E12153 Melford Transfer 26M34 to M22	0.12	0.35	-	0.12	0.35	-	Proceed
B1 Underground Infrastructure	EST24658_009	24658_009 E12096 Ingleton Rebuild UG Ph3 (Elec) for 2012 Budget	-	0.53	-	-	0.53	-	Proceed
B1 Underground Infrastructure	EST24664_009	24664_009 ICM - E11087 47M1 Grand Marshall UG Repl DO NOT PACKAGE	0.57	-	-	0.57	-	-	Proceed
B1 Underground Infrastructure	EST24683_009	24683_009 ICM - E13037 Bridletowne UG Rebuild Electrical - Do Not Package	-	0.16	-	-	0.16	-	Proceed
B1 Underground Infrastructure	EST24717_009	24717_009 E12317 Ingleton/Middleton Main (Elect.) for 2012 Budget	-	0.56	-	-	0.56	-	Proceed
B1 Underground Infrastructure	EST24798_X03	E13014 Holmcrest 47M13 UG Rebuild- Civil (EST20637_001	0.24	-	-	0.24	-	-	Proceed
B1 Underground Infrastructure	EST24843_009	24843_009 PCI E12275 Muirbank UG Rebuild Ph 2 DO NOT PACKAGE - Civi	0.84	-	-	0.84	-	-	Proceed
B1 Underground Infrastructure	EST24846_009	24846_009 PCI E10112 Purple Sageway 51M3 UG DO NOT PACKAGE - Civi	-	0.34	-	-	0.34	-	Proceed
B1 Underground Infrastructure	EST24850_009	24850_009 ICM E1544 Blackwell Coxworth Rebuild-Civ DO NOT PACKAGE (from WT12121 Ver 009	0.24	1.14	-	0.24	1.14	-	Proceed
B1 Underground Infrastructure	EST24852_009	24852_009 ICM E12121 Blackwell Coxworth Rebuild-El DO NOT PACKAGE (from Ver001 from AM1959)	-	0.48	-	-	0.48	-	Proceed
B1 Underground Infrastructure	EST24856_009	24856_009 ICM E12529 Braymore UG Rehab Ph2 Civil DO NOT PACKAGE	2.69	-	-	2.69	-	-	Proceed
B1 Underground Infrastructure	EST24859_009	24859_009 ICM E12530 BRAYMORE W PH2 - ELECT DO NOT PACKAGE	-	0.68	-	-	0.68	-	Proceed
B1 Underground Infrastructure	EST25279_001	25279_001 E11139 Cassandra UG Cable Replace Civil for 2012 Budget	-	2.40	-	-	2.40	-	Proceed
B1 Underground Infrastructure	EST25413_X01	E12319 Morningside/OldFinch UG Rehab -Electrical (26M23 / 47M3) (DESIGN ONLY) (EST20432_001	0.06	-	-	0.06	-	-	Proceed
B1 Underground Infrastructure	EST26034_X01	UG Cable Replacement on 85M31 at Lodestar Road, Toronto (Electrical) NY85M31 (EST21664_001	-	0.14	-	-	0.14	-	Proceed
B1 Underground Infrastructure	EST26035_X01	UG Cable Replacement on 85M31 at Lodestar Road, Toronto (Civil) NY85M31 (EST21663_001	-	0.20	-	-	0.20	-	Proceed
B1 Underground Infrastructure	EST26536_001	E11421 Dundalk NAE5-1M29 UG Reb (Civil) Deferred from 2011 (EST18652_002	-	0.43	-	-	0.43	-	Proceed
B1 Underground Infrastructure	EST26550_001	E12095 Rebuild Ingleton PH 2 UG Elect DO NOT PACKAGE (EST19448_009	-	0.27	-	-	0.27	-	Proceed
B1 Underground Infrastructure	EST26551_001	W11615 Keegan Cresc UG Rebuild W11615 W11615 11-E639 (EST22073_002	-	0.45	-	-	0.45	-	Proceed
B1 Underground Infrastructure Total			28.75	58.94	-	12.74	51.88	-	
B2 Paper Insulated Lead Covered Cable - Piece Outs a	EST19554_001	19554_001 X11532 Teraulie Piece Out and Leakers 2011 budget estimate	0.04	0.72	-	0.04	0.72	-	Proceed
B2 Paper Insulated Lead Covered Cable - Piece Outs a	EST19798_001	19798_001 X12160 Loc 6294 piece out/PILC rep. IFRS compliant	-	2.24	-	-	2.24	-	Proceed
B2 Paper Insulated Lead Covered Cable - Piece Outs a	EST21216_001	21216_001 X12512 Carlaw Piece Out and Leakers 2012 budget estimate	-	0.50	-	-	0.50	-	Proceed
B2 Paper Insulated Lead Covered Cable - Piece Outs a	EST21217_003	21217_003 X12513 Leaside Pieceout and Leakers Created Oct 201C	-	0.18	-	-	0.18	-	Proceed
B2 Paper Insulated Lead Covered Cable - Piece Outs a	EST21218_003	21218_003 X12514-esplande _piece out & leakers Created Oct 201C	-	0.11	-	-	0.11	-	Proceed
B2 Paper Insulated Lead Covered Cable - Piece Outs a	EST21219_001	21219_001 X12515 Glengrove Piece Out and Leakers 2012 budget estimate	0.01	0.29	-	0.01	0.29	-	Proceed
B2 Paper Insulated Lead Covered Cable - Piece Outs a	EST21220_001	21220_001 X12516 Cecil Piece Out and Leakers 2012 budget estimate	0.01	0.20	-	0.01	0.20	-	Proceed
B2 Paper Insulated Lead Covered Cable - Piece Outs a	EST21221_001	21221_001 X12517 Duplex Piece Out and Leakers 2012 budget estimate	0.01	0.61	-	0.01	0.61	-	Proceed
B2 Paper Insulated Lead Covered Cable - Piece Outs a	EST21222_001	21222_001 X12518 Main Piece Out and Leakers 2012 budget estimate	0.01	0.58	-	0.01	0.58	-	Proceed
B2 Paper Insulated Lead Covered Cable - Piece Outs and Leakers Total			0.08	5.42	-	0.04	3.34	-	
B3 Handwell Replacement	EST19496_X01	A10395-Handwell Stdzn MAP-179E Queen E/Broadview (EST20178_001	-	(0.00)	-	-	(0.00)	-	Proceed
B3 Handwell Replacement	EST19621_X01	A10395-Handwell Stdzn MAP-169AB Adelaide (EST20178_001	0.00	-	-	0.00	-	-	Proceed
B3 Handwell Replacement	EST19644_X01	A10395-Handwell Stdzn MAP-169B Lakeshore (EST20178_001	0.01	-	-	0.01	-	-	Proceed
B3 Handwell Replacement	EST19675_X01	A10395-Handwell Stdzn MAP-160B South (-attained but no month (EST20178_001	0.03	-	-	0.03	-	-	Proceed
B3 Handwell Replacement	EST19873_X01	A10395-Handwell Stdzn MAP-179C&188D (EST20178_001	0.00	-	-	0.00	-	-	Proceed
B3 Handwell Replacement	EST19888_X01	A10395-Handwell Stdzn MAP- 179C,188C Gerrard (EST20178_001	0.00	-	-	0.00	-	-	Proceed
B3 Handwell Replacement	EST19934_X01	A10395-Handwell Stdzn MAP-160B North (-attained but no month (EST20178_001	0.02	-	-	0.02	-	-	Proceed
B3 Handwell Replacement	EST20032_X01	A10395-Handwell Stdzn MAP 129ABC(-attained but no month) (EST20178_001	0.00	-	-	0.00	-	-	Proceed
B3 Handwell Replacement	EST20040_X01	A10395-Handwell Stdzn MAP-169A,179A,188A Danforth (EST20178_001	0.00	-	-	0.00	-	-	Proceed
B3 Handwell Replacement	EST20110_X01	A10395-Handwell Stdzn MAP-132CD(-attained but no month (EST20178_001	0.02	-	-	0.02	-	-	Proceed
B3 Handwell Replacement	EST20178_001	20178_001 A12236 Contact Voltage Remediation High leve	0.72	2.20	-	0.72	2.20	-	Proceed
B3 Handwell Replacement	EST20194_X01	A10395-Handwell Stdzn MAP-146C(-attained but no month (EST20178_001	0.02	-	-	0.02	-	-	Proceed
B3 Handwell Replacement	EST20316_X01	A10395-Handwell Stdzn MAP-146B 170A (EST20178_001	0.06	-	-	0.06	-	-	Proceed
B3 Handwell Replacement	EST20436_X01	A10395-Handwell Stdzn MAP-146A (EST20178_001	0.03	-	-	0.03	-	-	Proceed
B3 Handwell Replacement	EST20580_X01	A10395 1420 12&18" HW Lids Phase 2 Maps 147-162,207-362 (EST20178_001	0.06	-	-	0.06	-	-	Proceed
B3 Handwell Replacement	EST20581_X01	A10395 1080 12&18" HW Lids Phase 2 Maps 147-162,207-362(-attained but no month (EST20178_001	0.00	-	-	0.00	-	-	Proceed
B3 Handwell Replacement	EST20584_X01	A10395-Handwell Stdzn MAP-146C 170D (EST20178_001	0.04	-	-	0.04	-	-	Proceed
B3 Handwell Replacement	EST20652_X01	A10395-Handwell Stdzn MAP-161D (EST20178_001	0.00	-	-	0.00	-	-	Proceed
B3 Handwell Replacement	EST20671_X01	A10395-Handwell Stdzn MAP-147AB(-attained but no month (EST20178_001	0.01	-	-	0.01	-	-	Proceed
B3 Handwell Replacement	EST20768_X01	A11498 HW Replcmt Maps 161C (EST20178_001	0.00	-	-	0.00	-	-	Proceed
B3 Handwell Replacement	EST20991_X01	A11498 HW Replcmt Maps 147CD (EST20178_001	0.01	-	-	0.01	-	-	Proceed
B3 Handwell Replacement	EST21029_X01	A11498 HW Replacement Map 151C (Partial) (EST20178_001	0.02	-	-	0.02	-	-	Proceed
B3 Handwell Replacement	EST21055_X01	A11498 HW Replacement Map 161A,170ABC (EST20178_001	0.01	-	-	0.01	-	-	Proceed
B3 Handwell Replacement	EST21062_X01	A11498 HW Replacement Map 161B & 178A (EST20178_001	0.03	-	-	0.03	-	-	Proceed
B3 Handwell Replacement	EST21088_X01	A11498 HW Replacement Map 162D, 178B, 199AE (EST20178_001	0.19	-	-	0.19	-	-	Proceed
B3 Handwell Replacement	EST21089_X01	A11498 HW Replacement Map 162ABC (EST20178_001	0.03	-	-	0.03	-	-	Proceed
B3 Handwell Replacement	EST21092_X01	A11498 HW Replacement Map 154ABC,163B (EST20178_001	0.01	-	-	0.01	-	-	Proceed
B3 Handwell Replacement	EST21241_X01	A11498 HW Replcmt Maps 152A (EST20178_001	0.01	-	-	0.01	-	-	Proceed
B3 Handwell Replacement	EST21282_X01	A11498 HW Replcmt Maps 152B (EST20178_001	0.01	-	-	0.01	-	-	Proceed
B3 Handwell Replacement	EST21532_X01	A11498 HW Replcmt Maps 152C (EST20178_001	0.04	-	-	0.04	-	-	Proceed
B3 Handwell Replacement	EST21685_X01	A11498 HW Replacement Map 139D, 156EFH,164D (EST20178_001	0.02	-	-	0.02	-	-	Proceed
B3 Handwell Replacement	EST21733_X01	A11498 HW Replacement Map 153D Part 1 (EST20178_001	0.01	-	-	0.01	-	-	Proceed
B3 Handwell Replacement	EST21855_X01	A11498 HW Replacement Map 151 B&C (EST20178_001	0.01	-	-	0.01	-	-	Proceed
B3 Handwell Replacement	EST22017_X01	A11498 HW Replacement Map 128A, 138D, 151AB (EST20178_001	0.01	-	-	0.01	-	-	Proceed
B3 Handwell Replacement	EST22216_X01	A11498 HW Replacement Map 152D (EST20178_001	0.01	-	-	0.01	-	-	Proceed
B3 Handwell Replacement	EST22464_X01	A11498 HW Replacement Map 153AB (EST20178_001	0.01	-	-	0.01	-	-	Proceed
B3 Handwell Replacement	EST22562_X01	A11498 HW Replacement Map 151A (EST20178_001	0.00	-	-	0.00	-	-	Proceed
B3 Handwell Replacement	EST22585_X01	A11498 HW Replacement Map 215ABC (EST20178_001	0.02	-	-	0.02	-	-	Proceed
B3 Handwell Replacement	EST22614_X01	A11498 HW Replacement Map 137A&B (EST20178_001	0.01	-	-	0.01	-	-	Proceed
B3 Handwell Replacement	EST22617_X01	A11498 HW Replacement Map 151B (EST20178_001	0.00	-	-	0.00	-	-	Proceed
B3 Handwell Replacement	EST22628_X01	A11498 HW Replacement Map 138A&B (EST20178_001	0.01	-	-	0.01	-	-	Proceed
B3 Handwell Replacement	EST22653_X02	A12236 HW Replacement Maps 198A, 189D (EST20178_001	1.65	-	-	1.65	-	-	Proceed
B3 Handwell Replacement	EST22738_X01	A11498 HW Replacement Map 137C (EST20178_001	0.02	-	-	0.02	-	-	Proceed
B3 Handwell Replacement	EST22849_X01	A12236 HW Replacement Maps 203B, 204B, 204C (EST20178_001	0.90	-	-	0.90	-	-	Proceed

B3 Handwell Replacement	EST22860_X01	A11498 HW Replacement Map 138CD (EST20178_001)	0.01	-	-	0.01	-	-	Proceed
B3 Handwell Replacement	EST22976_X01	A11498 HW Replacement Map 163D + Various Areas (EST20178_001)	0.04	-	-	0.04	-	-	Proceed
B3 Handwell Replacement	EST22977_X01	A12236 HW Replacement Maps 212B (EST20178_001)	0.98	-	-	0.98	-	-	Proceed
B3 Handwell Replacement	EST23008_X01	A12236 Handwell Standardization 128A-B (PLP) (EST20178_001)	1.06	-	-	1.06	-	-	Proceed
B3 Handwell Replacement	EST23054_X01	A11498 HW Replacement Map #153D, 153C,VAR (EST20178_001)	0.03	-	-	0.03	-	-	Proceed
B3 Handwell Replacement	EST23121_X01	A11498 HW Replacement Map 139A,B,C,D (EST20178_001)	0.01	-	-	0.01	-	-	Proceed
B3 Handwell Replacement	EST23127_X01	A12236 HW Replacement Maps 180D, 172D, 204A, 203C, 213A (EST20178_001)	1.01	-	-	1.01	-	-	Proceed
B3 Handwell Replacement	EST23169_X01	A12236 Contact Voltage HW Remediation 83ABCD&90D(Advance to 2011) (EST20178_001)	0.46	-	-	0.46	-	-	Proceed
B3 Handwell Replacement	EST23206_X01	A11498 HW Replacement Map 148A,B,D (EST20178_001)	0.01	-	-	0.01	-	-	Proceed
B3 Handwell Replacement	EST23251_X01	A11498 HW Replacement Maps 180D, 172D, 204A 213A Var (EST20178_001)	0.03	-	-	0.03	-	-	Proceed
B3 Handwell Replacement	EST23906_X01	A12236 Contact Voltage HW Remediation 92AD (EST20178_001)	0.65	-	-	0.65	-	-	Proceed
B3 Handwell Replacement	EST23962_X01	A12236 HW Replacement Maps 221A, 187A, 179E (EST20178_001)	0.75	-	-	0.75	-	-	Proceed
B3 Handwell Replacement	EST25009_001	25009_001 2013 Handwell Replacement (Parent) BULK ESTIMATE	-	14.45	-	-	14.45	-	Proceed
B3 Handwell Replacement	EST25238_X01	A12236 Contact Voltage HW Area 128CD (EST20178_001)	1.29	-	-	1.29	-	-	Proceed
B3 Handwell Replacement	EST25350_X01	A12236 HW Rep Areas 130,140,141,155,156,164,165 (EST20178_001)	0.99	-	-	0.99	-	-	Proceed
B3 Handwell Replacement	EST25985_X01	A12236 Contact Voltage HW area 100ACD (EST20178_001)	0.48	-	-	0.48	-	-	Proceed
B3 Handwell Replacement	EST26152_X01	A12236 Contact Voltage HW area 106,109,117 (EST20178_001)	0.79	-	-	0.79	-	-	Proceed
B3 Handwell Replacement	EST26303_X01	A12236 Contact Voltage HW area 115ABC (EST20178_001)	0.96	-	-	0.96	-	-	Proceed
B3 Handwell Replacement	EST26316_X01	A12236 Contact Voltage HW area 116ABC (EST20178_001)	0.06	-	-	0.06	-	-	Proceed
B3 Handwell Replacement Total			13.65	16.65	-	6.05	17.73	-	13.65 16.65 6.05 17.73
B4 Overhead Infrastructure	EST16616_005	16616_005 W10275 Manby TS-Horner TS Load Transfer FEB 08,2012 Electrical for approve	0.95	-	-	0.95	-	-	Proceed
B4 Overhead Infrastructure	EST17801_009	17801_009 ICM- E10387 Bermondsey TS SCADA OH & UG SCADA Switch Installations	0.15	-	-	0.15	-	-	Proceed
B4 Overhead Infrastructure	EST18456_004	18456_004 E11374 - OH SCADAMATE 51M7_30, 53M25_28 SCADAMATE INSTALLATION NY34M	0.14	-	-	0.14	-	-	Proceed
B4 Overhead Infrastructure	EST19452_001	19452_001 X10449 Replacement of 3 phase switch 2010 estimate	0.00	0.07	-	0.00	0.07	-	Proceed
B4 Overhead Infrastructure	EST19453_001	19453_001 X11525 Replacement of 3 phase switch 2012 estimate	0.00	0.07	-	0.00	0.07	-	Proceed
B4 Overhead Infrastructure	EST19454_001	19454_001 X111524 Replacement of 3 phase switch 2012 Estimate	0.00	0.07	-	0.00	0.07	-	Proceed
B4 Overhead Infrastructure	EST19455_001	19455_001 X11526 Replacement of 3 phase switch 2012 Estimate	0.00	0.08	-	0.00	0.08	-	Proceed
B4 Overhead Infrastructure	EST19581_001	19581_001 X12124 Replacement of non standard CSP 2012 Estimate	0.05	0.48	-	0.05	0.48	-	Proceed
B4 Overhead Infrastructure	EST19775_001	19775_001 X12154 Replacement of non-standard, 34M6 2012 Estimate	-	0.97	-	-	0.97	-	Proceed
B4 Overhead Infrastructure	EST19785_003	19785_003 X12156 New SCADA Sw NY53-M8 Created Oct 201C	-	0.30	-	-	0.30	-	Proceed
B4 Overhead Infrastructure	EST19792_001	19792_001 X12158 Replacement of 3 ph switch IFRS compliant	0.03	0.51	-	0.03	0.51	-	Proceed
B4 Overhead Infrastructure	EST19806_001	19806_001 Remote Switch Install - Finch 85M31 & M2	-	0.09	-	-	0.09	-	Proceed
B4 Overhead Infrastructure	EST19837_003	19837_003 X12163 SCADA SWITCH REPLACEMENT WBS7/PW-DPC	-	0.52	-	-	0.52	-	Proceed
B4 Overhead Infrastructure	EST19871_001	19871_001 X12175 Replacement of CSP TX 2012 budget estimate	0.08	1.34	-	0.08	1.34	-	Proceed
B4 Overhead Infrastructure	EST19892_001	19892_001 X12176 Replacement of 3 ph switch IFRS compliant	0.02	0.35	-	0.02	0.35	-	Proceed
B4 Overhead Infrastructure	EST19894_003	19894_003 X12182 NY34 Feeder Scada Inst RC3620 2011 CapEx WBS Rev Nov 22_1C	0.02	-	-	0.02	-	-	Proceed
B4 Overhead Infrastructure	EST19965_009	19965_009 ICM - E11088 NY Panacomm Repl "D" Replacing North York Panacomm RTU:	0.16	-	-	0.16	-	-	Proceed
B4 Overhead Infrastructure	EST20023_001	20023_001 X12204Replacement of CSP TXMR 2012 budget estimate	0.09	-	-	0.09	-	-	Proceed
B4 Overhead Infrastructure	EST20296_001	20296_001 OH rebuild Spennyvalley and Surroundings	-	0.69	-	-	0.69	-	Proceed
B4 Overhead Infrastructure	EST20391_009	20391_009 ICM - E11088 NY OH SCADA INSTALL "A"	0.15	-	-	0.15	-	-	Proceed
B4 Overhead Infrastructure	EST20412_003	20412_003 WBS7/IFRS Compliant Creation Date: October 01, 201C	-	0.91	-	-	0.91	-	Proceed
B4 Overhead Infrastructure	EST20416_002	20416_002 ICM X12318 Repl Manu SW&inst SCADA SW 34M1	-	0.17	-	-	0.17	-	Proceed
B4 Overhead Infrastructure	EST20456_002	20456_002 W12309 Spennyvalley 55M25 Overhead Rebuild Arleta/Spennyvalley/Yatescastle/Shepparc	-	1.12	-	-	1.12	-	Proceed
B4 Overhead Infrastructure	EST20499_001	20499_001 WBS/IFRS Compliant Creation Date: October 01, 201C	-	0.85	-	-	0.85	-	Proceed
B4 Overhead Infrastructure	EST20565_002	20565_002 ICM-W12351 Lawrence- Keele- CSP/Pri Rep Creation Date: October 1, 201C	2.40	2.02	-	2.40	2.02	-	Proceed
B4 Overhead Infrastructure	EST20572_002	20572_002 W12291 FESI - Magellan OH Rebuild 55M25 To be reviewed prior to authorizator	0.50	1.13	-	0.50	1.13	-	Proceed
B4 Overhead Infrastructure	EST20578_001	20578_001 E12358 51M21 Rebuild OH Sections Part 1	0.05	1.53	-	0.05	1.53	-	Proceed
B4 Overhead Infrastructure	EST20595_001	20595_001 E12361 51M21 Rebuild OH Sections Part 2	0.04	0.78	-	0.04	0.78	-	Proceed
B4 Overhead Infrastructure	EST20659_001	20659_001 W12383 OH SCADA Switch Replacements NY80M3C	0.02	0.19	-	0.02	0.19	-	Proceed
B4 Overhead Infrastructure	EST20684_004	20684_004 W12397-SMD 20 Switch Replacement RC3620 2011 CapEx WBS Rev Nov 22_1C	0.46	-	-	0.46	-	-	Proceed
B4 Overhead Infrastructure	EST20773_002	20773_002 WBS/IFRS Compliant Creation Date: October 1, 201C	-	1.02	-	-	1.02	-	Proceed
B4 Overhead Infrastructure	EST20774_001	20774_001 E12433 Voltage Conversion KHF2	0.08	0.82	-	0.08	0.82	-	Proceed
B4 Overhead Infrastructure	EST20848_001	20848_001 E12459 Banbury/Post Rd OH Rehab NY34M6, NY53M24, NY51M2:	0.01	0.26	-	0.01	0.26	-	Proceed
B4 Overhead Infrastructure	EST20873_008	20873_008 W12199 Riverside Dr Voltage Conv. part 2 Creation Date: October 1, 201C	0.51	-	-	0.51	-	-	Proceed
B4 Overhead Infrastructure	EST20875_001	20875_001 X12453-35M12-OH Rebuild-Geo Anderson IFRS complian	1.35	0.27	-	1.35	0.27	-	Proceed
B4 Overhead Infrastructure	EST20881_001	20881_001 E12457 Pole and CSP Transformers NY80M5 OH Rebuilc	0.04	0.40	-	0.04	0.40	-	Proceed
B4 Overhead Infrastructure	EST20892_001	20892_001 X12460 - 35M12-O/H Rebuild-- Arrowsmith IFRS complian	0.51	0.25	-	0.51	0.25	-	Proceed
B4 Overhead Infrastructure	EST20939_001	20939_001 W12442 FESI CSP Replacement NY85M1	-	1.39	-	-	1.39	-	Proceed
B4 Overhead Infrastructure	EST21190_001	21190_001 E12508 NY80M4 Rebuild Phase 1 Replace wires,Tr, Insulator Nov 12, 201C	-	1.79	-	-	1.79	-	Proceed
B4 Overhead Infrastructure	EST21193_001	21193_001 E12509 NY80M4 Rebuild Phase 2 Updated on Nov 12, 201C	-	1.08	-	-	1.08	-	Proceed
B4 Overhead Infrastructure	EST21280_X03	E11243 Repl Failing OH Assets PH 2A (EST24666_009)	0.46	-	-	0.46	-	-	Proceed
B4 Overhead Infrastructure	EST21457_001	21457_001 E13110 S568-F9 OH Rebuild Pleasant View	0.05	0.49	-	0.05	0.49	-	Proceed
B4 Overhead Infrastructure	EST21517_001	21517_001 W13113 FESI Feeder Rehab CSP PH#1	-	0.71	-	-	0.71	-	Proceed
B4 Overhead Infrastructure	EST21518_003	21518_003 WBS/IFRS Compliant-W13115 FESI Creation Date: October 1, 201C	-	0.50	-	-	0.50	-	Proceed
B4 Overhead Infrastructure	EST21531_001	21531_001 E13111 OH Rebuild R43M28 SCNAR43M28	0.06	0.74	-	0.06	0.74	-	Proceed
B4 Overhead Infrastructure	EST21569_001	21569_001 FESI - Refurbish OH Feeder R30M10	-	0.50	-	-	0.50	-	Proceed
B4 Overhead Infrastructure	EST21578_001	21578_001 ICM E11742 SCNA47M13 OH Rehab	-	0.42	-	-	0.42	-	Proceed
B4 Overhead Infrastructure	EST21639_001	21639_001 W13130 - Refurbish OH Feeder 55M28 Epsom Downs Area	-	1.35	-	-	1.35	-	Proceed
B4 Overhead Infrastructure	EST21690_001	21690_001 W13131 - Refurbish OH Feeder 55M28 Falstaff Area	-	1.40	-	-	1.40	-	Proceed
B4 Overhead Infrastructure	EST21785_001	21785_001 E13153 OH Rebuild 51M8	-	1.69	-	-	1.69	-	Proceed
B4 Overhead Infrastructure	EST21876_001	21876_001 W13182 OH Rehab 80M1.	-	0.13	-	-	0.13	-	Proceed
B4 Overhead Infrastructure	EST21920_001	21920_001 W13185 80M1 Carney Rd Distribution Rehab	-	0.70	-	-	0.70	-	Proceed
B4 Overhead Infrastructure	EST21998_001	21998_001 W13187 80M1 Clarkhill_Glenborough Park 80M1 OH rebuic	-	0.64	-	-	0.64	-	Proceed
B4 Overhead Infrastructure	EST21999_001	21999_001 W13167 Feeder Reconfigure & Rebuild Clayton - Bartor ,55M2:	-	1.10	-	-	1.10	-	Proceed
B4 Overhead Infrastructure	EST22037_001	22037_001 W13188 80M1 Finchhurst Dr & Fleetwell Cr 80M1 OH rebuic	-	0.15	-	-	0.15	-	Proceed
B4 Overhead Infrastructure	EST22041_001	22041_001 W13189 80M1 Stafford Rd & Cloebury Cr 80M1 OH rebuic	-	0.19	-	-	0.19	-	Proceed
B4 Overhead Infrastructure	EST22173_001	22173_001 W13197 80M1 Eilerslie Betty Ann Park Hom OH Rehat	-	0.58	-	-	0.58	-	Proceed
B4 Overhead Infrastructure	EST22180_001	22180_001 W13204 80M1 Elynhill Eilerslie Betty Ann Park Home OH Rehat	-	0.80	-	-	0.80	-	Proceed
B4 Overhead Infrastructure	EST22184_001	22184_001 W13198 Refurbish Trunk Feeder 85M10 Regent - Wilsor	-	1.24	-	-	1.24	-	Proceed
B4 Overhead Infrastructure	EST22203_001	22203_001 ICM E12570 53M25 OH Rehab	-	1.20	-	-	1.20	-	Proceed
B4 Overhead Infrastructure	EST22208_001	22208_001 W13205 Refurbish 85M10 Laterals Ph1 of 2	-	1.21	-	-	1.21	-	Proceed
B4 Overhead Infrastructure	EST22229_001	22229_001 ICM E12574 - SCREF3 OH REHAB	-	0.83	-	-	0.83	-	Proceed
B4 Overhead Infrastructure	EST22245_001	22245_001 W13211 Goulding MS F1&F2 VC PH#1	-	1.20	-	-	1.20	-	Proceed
B4 Overhead Infrastructure	EST22248_001	22248_001 W13216 Goulding MS F1 and F4 VC Ph#2	-	0.99	-	-	0.99	-	Proceed
B4 Overhead Infrastructure	EST22598_001	22598_001 Feeder Riser SCADA Installations 88M13, 88M15, 88M46	-	0.29	-	-	0.29	-	Proceed
B4 Overhead Infrastructure	EST22850_009	22850_009 E12436 Repl Failing OH Assets_PH3 POLES FOR 2012 BUDGET	-	0.37	-	-	0.37	-	Proceed
B4 Overhead Infrastructure	EST23430_001	23430_001 W13329- ETR30M12 along Evans/Royal York P03_New Feeder Constructior	-	0.80	-	-	0.80	-	Proceed

B4 Overhead Infrastructure	EST23567_001	23567_001 ICM W13351 FESI Rebuild & CSP Repl #2 NY85M1	-	2.01	-	-	2.01	-	-	Proceed					
B4 Overhead Infrastructure	EST23677_009	23677_009 ICM E12104 CHIPPING CROSSBURN OH REBUILD POLE & ELECTRICAL INSTALLATION	0.28	-	-	0.28	-	-	-	Proceed					
B4 Overhead Infrastructure	EST23696_001	23696_001 ICM W12669 Martin Ross rebuild	-	0.41	-	-	0.41	-	-	Proceed					
B4 Overhead Infrastructure	EST24060_001	24060_001 E12744 Bell Line Conversion	-	0.08	-	-	0.08	-	-	Proceed					
B4 Overhead Infrastructure	EST24161_001	24161_001 W13376 VOLTAGE CONVERSION (B-1RK) 2013	-	1.59	-	-	1.59	-	-	Proceed					
B4 Overhead Infrastructure	EST24391_X03	X11798 LOCN1125 - N/W CHANGEOUT (EST22690_002)	0.00	-	-	0.00	-	-	-	Proceed					
B4 Overhead Infrastructure	EST24666_009	24666_009 E11645 Repl Failing OH Assets PH 2A for 2012 Budget	-	0.53	-	-	0.53	-	-	Proceed					
B4 Overhead Infrastructure	EST24668_009	24668_009 E12133 Rebuild BroadlandMSNYSS59ph1 for 2012 Budge	-	1.28	-	-	1.28	-	-	Proceed					
B4 Overhead Infrastructure	EST24669_009	24669_009 E12133 Rebuild Broadlands Ph1 Poles Only for 2012 Budge	-	0.16	-	-	0.16	-	-	Proceed					
B4 Overhead Infrastructure	EST24851_009	24851_009 PCI E12133 Broadland MS S559 VC- Ph 2 DO NOT PACKAGE	-	1.75	-	-	1.75	-	-	Proceed					
B4 Overhead Infrastructure	EST24881_009	24881_009 PCI E12133 Broadlands VC Phase 2 DO NOT PACKAGE - poles only	0.06	0.22	-	0.06	0.22	-	-	Proceed					
B4 Overhead Infrastructure	EST24951_001	24951_001 Danger and Caution Pole Replacement	-	1.86	-	-	1.86	-	-	Proceed					
B4 Overhead Infrastructure	EST26499_001	W12397 Queensway/Lakeshore SMD-20 Switch Replacement (EST20684_004)	-	0.06	-	-	0.06	-	-	Proceed					
B4 Overhead Infrastructure	EST26533_001	E12436 Repl Fail OH Assets_Ph 3 ELECT (FOR 2012 BUDGET) (EST24598_009)	-	1.04	-	-	1.04	-	-	Proceed					
B4 Overhead Infrastructure	EST26534_001	E12436 Repl Failing OH Assets_PH3 POLES FOR 2012 BUDGET (EST22850_009)	-	0.26	-	-	0.26	-	-	Proceed					
B4 Overhead Infrastructure	EST26538_001	W12199 Riverside Dr Voltage Conv. part 2 Creation Date: October 1, 2010 (EST20873_008)	-	0.83	-	-	0.83	-	-	Proceed					
B4 Overhead Infrastructure	EST26540_001	W12284 CSP TX and Conductor Repl YK11M5 PHASE 1 (EST20379_004)	-	1.02	-	-	1.02	-	-	Proceed					
B4 Overhead Infrastructure	EST26545_001	X12182 NY34 Feeder Scada Inst RC3620 2011 CapEx WBS Rev Nov 22_10 (EST19894_003)	-	0.19	-	-	0.19	-	-	Proceed					
B4 Overhead Infrastructure	EST26546_001	E11374 - OH SCADAMATE 51M7_30_53M25_28 SCADAMATE INSTALLATION NY34M6 (EST18456_004)	-	0.65	-	-	0.65	-	-	Proceed					
B4 Overhead Infrastructure	EST26547_001	E10387 Bermondsey TS SCADA OH & UG SCADA Switch Installations (EST17801_009)	-	0.15	-	-	0.15	-	-	Proceed					
B4 Overhead Infrastructure	EST26553_001	W12462 Rockford Road - 3 Phase Extension W12462 - FESI (EST20946_008)	-	0.06	-	-	0.06	-	-	Proceed					
B4 Overhead Infrastructure	EST26790_X02	W12462 Rockford Road 3 Phase Extension (EST20946_008)	0.22	-	-	0.22	-	-	-	Proceed					
B4 Overhead Infrastructure	EST26842_X01	E12436 Feeder OH Enhancement Phase 3 NY80M6 Poles Only (EST24598_009)	0.11	-	-	0.11	-	-	-	Proceed					
B4 Overhead Infrastructure Total			9.07	55.88	-	4.02	39.06	-	9.07	55.88	-	4.02	39.06	-	
B5 Box Construction	EST18629_001	18629_001 X11422 Hazelwood B7HW Conversion OH	0.06	1.82	-	0.06	1.82	-	-	Proceed					
B5 Box Construction	EST18738_X01	18738_001 X11452 Millwood MS B2MD,B1MR Partial V/C 2011 Budget Estimate	0.15	2.58	-	0.15	2.58	-	-	Proceed					
B5 Box Construction	EST18740_001	18740_001 X11369 KS MS Voltage Conversion 4-13.8KV Box Constructor	-	3.45	-	-	3.45	-	-	Proceed					
B5 Box Construction	EST18758_001	18758_001 X12054 Voltage conversion from 4KV 2011 budget estimate	-	1.81	-	-	1.81	-	-	Proceed					
B5 Box Construction	EST18761_001	18761_001 X12352 Voltage Conversion from B7CD 2011 budget estimate	-	1.33	-	-	1.33	-	-	Proceed					
B5 Box Construction	EST19984_001	19984_001 X13003 Con Dup 4KV B6DU to 13.8KV TOB6DU 2013 Budget Estimate	-	1.48	-	-	1.48	-	-	Proceed					
B5 Box Construction	EST20365_001	20365_001 X12325 Convert Junction 4kV B15J IFRS compliant	0.14	3.50	-	0.14	3.50	-	-	Proceed					
B5 Box Construction	EST20368_001	20368_001 X12193 Convert 4kV B5J to 13.8kV IFRS compliant	-	1.44	-	-	1.44	-	-	Proceed					
B5 Box Construction	EST20476_001	20476_001 X13178 Convert 4kV B9J to 13.8kV IFRS compliant	-	0.73	-	-	0.73	-	-	Proceed					
B5 Box Construction	EST20548_001	20548_001 X13177 Convert 4kV B8J to 13.8kV IFRS compliant	-	0.21	-	-	0.21	-	-	Proceed					
B5 Box Construction	EST20567_003	20567_003 X12353 B-4-CD Voltage V.C to 13.8kV As of Nov 23/2011	-	1.63	-	-	1.63	-	-	Proceed					
B5 Box Construction	EST20919_002	20919_002 X12445-Greenwood Felstead OH Conversion Creation Date: October 01, 2010	-	1.71	-	-	1.71	-	-	Proceed					
B5 Box Construction	EST20992_001	20992_001 X12055 Voltage Conv 4kV to 13.8kV B2DU IFRS compliant	0.23	-	-	0.23	-	-	-	Proceed					
B5 Box Construction	EST21101_001	21101_001 Voltage Conv 4kV to 13.8kV loc#2553 B4DN IFRS compliant	-	0.17	-	-	0.17	-	-	Proceed					
B5 Box Construction	EST21935_001	21935_001 X13186 Load Transfer A200E to AxxxE 2013 budget estimate	-	1.18	-	-	1.18	-	-	Proceed					
B5 Box Construction Total			0.58	23.04	-	0.26	14.35	-	0.58	23.04	-	0.26	14.35	-	
B6 Rear Lot Construction	EST18580_001	18580_001 E11382 Livingston VC Trans rear ug front see E11383 OH vc Livingstor	0.39	4.94	-	0.39	4.94	-	-	Proceed					
B6 Rear Lot Construction	EST19501_009	19501_009 E12076 PH 1 BANBURY ELECT REAR LOT For 2012 budge	1.53	-	-	1.53	-	-	-	Proceed					
B6 Rear Lot Construction	EST19757_001	19757_001 X12185 RearLot (RL025) ConNYSS37 EIPh2 S/E Lawrence/Leslie (LTP_2011_19_002)	-	0.97	-	-	0.97	-	-	Proceed					
B6 Rear Lot Construction	EST19759_001	19759_001 X12186 RearLot (RL025) ConNYSS37 EIPh3 S/E Lawrence/Leslie (LTP_2011_19_002)	-	0.58	-	-	0.58	-	-	Proceed					
B6 Rear Lot Construction	EST20012_002	20012_002 X12114 Forest Hill Electrical Ph#5 UG ELECTRICAL - BUDGE1	-	3.05	-	-	3.05	-	-	Proceed					
B6 Rear Lot Construction	EST20662_001	20662_001 W12381 Thorncrest (#11) RL VC Ph#1 Civil IFRS compliant	-	3.24	-	-	3.24	-	-	Proceed					
B6 Rear Lot Construction	EST20677_008	20677_008 W11219 Rathburn SAF1 VC Pt3 UG Elec UG electrica	2.85	-	-	2.85	-	-	-	Proceed					
B6 Rear Lot Construction	EST20714_001	20714_001 W12401 Thorncrest (#11) RL VC Ph#2 Civil IFRS compliant	-	2.22	-	-	2.22	-	-	Proceed					
B6 Rear Lot Construction	EST20808_001	20808_001 ICM W13019 RL#011 Electrical PH#2 IFRS compliant	-	1.29	-	-	1.29	-	-	Proceed					
B6 Rear Lot Construction	EST21034_001	21034_001 W12561 REXDALE / COLONY PHASE 1 INSTALL IFRS compliant	1.00	-	-	1.00	-	-	-	Proceed					
B6 Rear Lot Construction	EST21138_002	21138_002 X12113 Forest Hill VC Phase 4 Electrical Bathurst/Eglington/Old Park/Shallma	3.92	-	-	3.92	-	-	-	Proceed					
B6 Rear Lot Construction	EST21155_001	21155_001 W12564 Rexdale-Colony RL VC (Elec) Ph#4	-	1.18	-	-	1.18	-	-	Proceed					
B6 Rear Lot Construction	EST21185_001	21185_001 W13142 Thorncrest (#11) RL VC Ph#5 Civil IFRS compliant	-	4.82	-	-	4.82	-	-	Proceed					
B6 Rear Lot Construction	EST21211_001	21211_001 W13067 Rathburn Rd OH/UG Conversion IFRS compliant	-	0.92	-	-	0.92	-	-	Proceed					
B6 Rear Lot Construction	EST21213_001	21213_001 W13068 Thorncrest (#011RL) VC Ph#4 IFRS compliant	-	0.64	-	-	0.64	-	-	Proceed					
B6 Rear Lot Construction	EST21248_001	21248_001 W12565 Rexdale-Colony RL VC (Elec) Ph#5	-	1.03	-	-	1.03	-	-	Proceed					
B6 Rear Lot Construction	EST21250_001	21250_001 W12562 Rexdale-Colony RL VC (Elec) Ph#2	0.21	-	-	0.21	-	-	-	Proceed					
B6 Rear Lot Construction	EST21251_001	21251_001 W12563 Rexdale-Colony RL VC (Elec) Ph#3	0.47	-	-	0.47	-	-	-	Proceed					
B6 Rear Lot Construction	EST21252_001	21252_001 W12566 Rexdale-Colony RL VC (Elec) Ph#6	-	0.09	-	-	0.09	-	-	Proceed					
B6 Rear Lot Construction	EST21315_001	21315_001 W13195 Rexdale-Colony RL VC (Elec) Ph#8	-	1.24	-	-	1.24	-	-	Proceed					
B6 Rear Lot Construction	EST21320_001	21320_001 W12567 Rexdale-Colony RL VC (Elec) Ph#7	-	0.17	-	-	0.17	-	-	Proceed					
B6 Rear Lot Construction	EST21321_002	21321_002 W11168 ALBION MG-F1 SILVERSTONE VC REAR FEB 09,2012 LOT ETMGP1 IFRS complian	2.05	-	-	2.05	-	-	-	Proceed					
B6 Rear Lot Construction	EST22607_009	22607_009 ICM E12675 BANBURY ELEC PHASE 2 PROJECT#E12675 UPCMS#TP-2011-9255	0.42	-	-	0.42	-	-	-	Proceed					
B6 Rear Lot Construction	EST24342_002	24342_002 X11293 Forest Hill Phase 5 - Civil Marlee/Fairleigh/Allen/Eglington	3.32	-	-	3.32	-	-	-	Proceed					
B6 Rear Lot Construction	EST24854_009	24854_009 ICM E11383 Living Guild OH VC DO NOT PACKAGE from Ver001 from AM 18651	-	0.75	-	-	0.75	-	-	Proceed					
B6 Rear Lot Construction	EST26532_001	X12184 P1RearLot (RL025) ConNYSS37 S/E Lawrence/Leslie (LTP_2011_19_002) (EST19755_003)	-	0.19	-	-	0.19	-	-	Proceed					
B6 Rear Lot Construction	EST26539_001	E12615 BANBURY ELEC PHASE 2 PROJECT#E12615 UPCMS#TP-2011-9255 (EST22607_009)	-	1.09	-	-	1.09	-	-	Proceed					
B6 Rear Lot Construction	EST26541_001	E12076 PH 1 BANBURY ELECT REAR LOT (EST19501_009)	-	1.02	-	-	1.02	-	-	Proceed					
B6 Rear Lot Construction	EST26867_X03	E11383 Livingston Guildwood OH VC Ph 2 Poles Only (EST24854_009)	0.20	-	-	0.20	-	-	-	Proceed					
B6 Rear Lot Construction Total			16.36	29.43	-	7.25	27.02	-	16.36	29.43	-	7.25	27.02	-	
B7 Polymer SMD-20 Switches	EST24773_001	24773_001 2012 SMD-20 Replacements DO NOT PACKAGE	-	1.53	-	-	-	-	-	On hold (pending rate order)					
B7 Polymer SMD-20 Switches Total			-	1.53	-	-	0.93	-	-	-	-	-	-	-	
B8 SCADA-Mate R1 Switches	EST22579_001	22579_001 2012 SCADA R-1 Event Estimate DO NOT PACKAGE	-	1.43	-	-	-	-	-	On hold (pending rate order)					
B8 SCADA-Mate R1 Switches Total			-	1.43	-	-	0.87	-	-	-	-	-	-	-	
B9 Network Vault & Roofs	EST18826_X01	18826_001 X11351 Bay St/South of Front St. West Location #4174	-	0.12	-	-	0.12	-	-	Proceed					
B9 Network Vault & Roofs	EST18834_003	18834_003 X11234 EGLINTON VAULT #4481 REBUILD WBS7 Created Oct 2010	-	2.06	-	-	2.06	-	-	Proceed					
B9 Network Vault & Roofs	EST18836_002	18836_002 X11440 St Clair Av W / Yonge Loc.# 4642 2011 budget estimate	-	0.98	-	-	0.98	-	-	Proceed					
B9 Network Vault & Roofs	EST18837_001	18837 X11441 Eglington Ave. East/Holly St. Location #4512	0.11	-	-	0.11	-	-	-	Proceed					
B9 Network Vault & Roofs	EST18892_002	18892_001 X11362 Network Replacement, Loc#4111	0.04	-	-	0.04	-	-	-	Proceed					
B9 Network Vault & Roofs	EST19033_004	19033_004 X11487 King St West/Yonge St IFRS compliant	1.62	-	-	1.62	-	-	-	Proceed					
B9 Network Vault & Roofs	EST19372_001	19372_001 X11504 Overlea Blvd/William Morgan	-	0.86	-	-	0.86	-	-	Proceed					
B9 Network Vault & Roofs	EST19502_001	19502_001 X11529 WellingtonStW/Emily Vault Rebuild Vault Loc#479C	0.12	2.66	-	0.12	2.66	-	-	Proceed					
B9 Network Vault & Roofs	EST19537_005	19537_005 ICM X11533Loc#4818 Rebuild Vault at 390 IFRS compliant (copy of 19537_003)	0.32	-	-	0.32	-	-	-	Proceed					
B9 Network Vault & Roofs	EST20030_001	20030_001 X12207 Loc 4287, 60 Simcoe St. Abandon	0.02	-	-	0.02	-	-	-	Proceed					
B9 Network Vault & Roofs	EST20047_001	20047_001 X12208 Loc 4485, 105 Adelaide St. West 2012	0.12	0.29	-	0.12	0.29	-	-	Proceed					
B9 Network Vault & Roofs	EST20382_001	20382_001 X12289 New Vault - Adelaide St. West Loc #4412	-	1.88	-	-	1.88	-	-	Proceed					
B9 Network Vault & Roofs	EST20429_001	20429_001 X12321 Loc 4931, Front and Jarvis 2012	-	0.29	-	-	0.29	-	-	Proceed					

B9 Network Vault & Roofs	EST20449_001	20449_001 X12327 Loc 4262, Yorkville and Yonge St 2012	0.03	0.29	-	0.03	0.29	-	Proceed
B9 Network Vault & Roofs	EST20472_001	20472_001 X12334 Rebuild Vault Peter and Adelaide Loc #4295	-	1.58	-	-	1.58	-	Proceed
B9 Network Vault & Roofs	EST20510_003	20510_003 X12345 Loc#4562 King/Jordan Creation Date: October 01, 2011	-	0.72	-	-	0.72	-	Proceed
B9 Network Vault & Roofs	EST20530_001	20530_001 X12350 Rebuild Vault Roof 60 Gloucester Loc #4510	0.04	0.60	-	0.04	0.60	-	Proceed
B9 Network Vault & Roofs	EST20623_001	20623_001 X12371 Rebuild Vault Peter and King St.	-	0.99	-	-	0.99	-	Proceed
B9 Network Vault & Roofs	EST23243_001	23243_001 X12652 Abandon Loc 4252 and 4308 2012 Budget estimate	0.05	-	-	0.05	-	-	Proceed
B9 Network Vault & Roofs	EST23295_001	23295_001 X13323 Vault Rebuild TD-21 York & King 2012	-	0.29	-	-	0.29	-	Proceed
B9 Network Vault & Roofs	EST23501_001	23501_001 X13347 Loc#4795 Vault Rebuild 2012	-	0.23	-	-	0.23	-	Proceed
B9 Network Vault & Roofs	EST24997_001	24997_001 X12830 Single vault rebuild- Toronto 2012	-	1.29	-	-	1.29	-	Proceed
B9 Network Vault & Roofs	EST24999_001	24999_001 X12834 Single Vault Rebuild Toronto 2012	0.37	1.91	-	0.37	1.91	-	Proceed
B9 Network Vault & Roofs	EST25324_001	25324_001 X12858 Abandon 2 network vaults 2012	-	0.08	-	-	0.08	-	Proceed
B9 Network Vault & Roofs	EST26537_001	X11533Loc#4818 Rebuild Vault at 390 IFRS compliant (copy of 19537_003) (EST19537_005	-	1.25	-	-	1.25	-	Proceed
B9 Network Vault & Roofs	EST26552_001	X12652 Abandon Loc 4252 and 4308 2012 Budget estimate (EST23243_001	-	0.35	-	-	0.35	-	Proceed
B9 Network Vault & Roofs Total			2.84	18.76	-	1.26	13.00	-	1.26 13.00 -
B10 Fibertop Network Units	EST21583_003	21583_003 X11743 - LOC 4561- A55H- NW CHANGEOUT	0.08	-	-	0.08	-	-	Proceed
B10 Fibertop Network Units	EST23638_003	X11840 LOC4540 - N/W CHANGEOUTS 2011 Changeouts (EST24053_002)	-	0.29	-	-	0.29	-	Proceed
B10 Fibertop Network Units	EST23958_002	23958_002 X12684 LOC N1044 fibertop changeout 2012 Fibretop Changeou	0.08	-	-	0.08	-	-	Proceed
B10 Fibertop Network Units	EST23960_003	23960_003 X12685-LOC #4517 N/W CHANGEOUT TO A91A EDWARD/CENTRI	-	0.16	-	-	0.16	-	Proceed
B10 Fibertop Network Units	EST23961_003	23961_003 X12686 LOC.4517 A-92-A 2012 Changeouts	-	0.16	-	-	0.16	-	Proceed
B10 Fibertop Network Units	EST24086_003	24086_003 X12736 - LOC 4286 - A53WR - NW CHANGEOUT	-	0.12	-	-	0.12	-	Proceed
B10 Fibertop Network Units	EST24090_003	24090_003 X12738 P04 N/W CHANGE OUT LOC #4499WV 2012 CHANGEOUTS	-	0.14	-	-	0.14	-	Proceed
B10 Fibertop Network Units	EST24091_X03	4219EV A54WR (EST24146_003)	-	0.15	-	-	0.15	-	Proceed
B10 Fibertop Network Units	EST24092_003	24092_003 X12741 - N1034 - A65H - NW CHANGEOUT	-	0.12	-	-	0.12	-	Proceed
B10 Fibertop Network Units	EST24093_003	24093_003 X12743 Loc.N1107 Jarvis & Calton FT REP IFRS compliant	-	0.15	-	-	0.15	-	Proceed
B10 Fibertop Network Units	EST24094_002	24094_002 X12740 LOC4646 A23T - N/W CHANGEOUT 2012 Changeout:	0.20	-	-	0.20	-	-	Proceed
B10 Fibertop Network Units	EST24096_002	24096_002 X12688 LOC 4491 fibertop changeout 2012 Fibretop Changeou	0.08	-	-	0.08	-	-	Proceed
B10 Fibertop Network Units	EST24098_004	24098_004 X12690 LOC 4643 fibertop changeout 2012 Fibretop Changeou	0.08	-	-	0.08	-	-	Proceed
B10 Fibertop Network Units	EST24146_003	24146_003 X12751 LOC 4219W-N/W changeout 2012 Changeout:	-	0.15	-	-	0.15	-	Proceed
B10 Fibertop Network Units	EST24391_X03	X11798 LOCN1125 - N/W CHANGEOUT (EST22690_002)	0.12	-	-	0.12	-	-	Proceed
B10 Fibertop Network Units	EST24392_X03	X11799 LOCN1125 A64WR - N/W CHANGEOUT (EST24913_001)	0.12	-	-	0.12	-	-	Proceed
B10 Fibertop Network Units	EST24397_X03	X11797 LOC4768SV A13DX-N/W CHANGEOUT (EST24912_001)	0.10	-	-	0.10	-	-	Proceed
B10 Fibertop Network Units	EST24518_001	24518_001 X12786 4523 A20T- N/W CHANGEOUTS 2012 Changeout:	-	0.18	-	-	0.18	-	Proceed
B10 Fibertop Network Units	EST24519_001	24519_001 X12791 4745 A55H - N/W CHANGEOUTS 2012 Changeout:	-	0.14	-	-	0.14	-	Proceed
B10 Fibertop Network Units	EST24520_001	24520_001 X12780 4099 A66H Fibertop Change Out 2012 Changeout:	-	0.13	-	-	0.13	-	Proceed
B10 Fibertop Network Units	EST24521_001	24521_001 X12783 4160 A69WR Fibertop Change Out 2012 Changeouts	-	0.19	-	-	0.19	-	Proceed
B10 Fibertop Network Units	EST24522_001	24522_001 X12784 4336 A44GD Fibertop Change Out 2012 Changeouts:	-	0.19	-	-	0.19	-	Proceed
B10 Fibertop Network Units	EST24523_001	24523_001 X12785 4336 A48GD Fibertop Change Out 2012 Changeouts:	-	0.14	-	-	0.14	-	Proceed
B10 Fibertop Network Units	EST24525_001	24525_001 X12787 4553 A56H Fibertop Change Out 2012 Changeouts:	-	0.19	-	-	0.19	-	Proceed
B10 Fibertop Network Units	EST24526_001	24526_001 X12788 4625 A50DX Fibertop Change Out 2012 Changeouts:	-	0.13	-	-	0.13	-	Proceed
B10 Fibertop Network Units	EST24527_001	24527_001 X12793 N1010 A41CE Fibertop Change Out 2012 Changeouts	-	0.13	-	-	0.13	-	Proceed
B10 Fibertop Network Units	EST24528_001	24528_001 X12794 N1102 A71CE Fibertop Change Out 2012 Changeouts	-	0.13	-	-	0.13	-	Proceed
B10 Fibertop Network Units	EST24529_001	24529_001 X12795 N1102 A72CE Fibertop Change Out 2012 Changeouts	-	0.13	-	-	0.13	-	Proceed
B10 Fibertop Network Units	EST24530_001	24530_001 X12781 4131 A67WR fibertop replacement 2012 Fibretop Changeou	-	0.18	-	-	0.18	-	Proceed
B10 Fibertop Network Units	EST24533_001	24533_001 X12782 4131 A68WR fibertop replacement 2012 Fibretop Changeou	-	0.35	-	-	0.35	-	Proceed
B10 Fibertop Network Units	EST24534_001	24534_001 X12789 4651 A53H fibertop replacement 2012 Fibretop Changeou	-	0.37	-	-	0.37	-	Proceed
B10 Fibertop Network Units	EST24535_001	24535_001 X12790 4651 A54H fibertop replacement 2012 Fibretop Changeou	-	0.18	-	-	0.18	-	Proceed
B10 Fibertop Network Units	EST24536_001	24536_001 X12792 4897NV A43CE fibertop replacement 2012 Fibretop Changeou	-	0.18	-	-	0.18	-	Proceed
B10 Fibertop Network Units	EST25078_001	25078_001 X12843 Fibertop replacement at Mult. LOC 2012	0.61	2.99	-	0.61	2.99	-	Proceed
B10 Fibertop Network Units	EST26523_001	X12688 LOC4491 - N/W CHANGEOUT 2012 Changeouts (EST24096_002	-	0.04	-	-	0.04	-	Proceed
B10 Fibertop Network Units	EST26525_001	X11743 - LOC 4561- A55H- NW CHANGEOUT (EST21583_003	-	0.04	-	-	0.04	-	Proceed
B10 Fibertop Network Units	EST26526_001	X12690 - LOC 4643 - A23T- NW CHANGEOUT (EST24098_004	-	0.04	-	-	0.04	-	Proceed
B10 Fibertop Network Units	EST26527_001	X12740 LOC4646 A23T - N/W CHANGEOUT 2012 Changeouts (EST24094_002	-	0.04	-	-	0.04	-	Proceed
B10 Fibertop Network Units	EST26528_001	X12733 - LOC 4794 - A48CE- NW CHANGEOUT (EST24028_004	-	0.12	-	-	0.12	-	Proceed
B10 Fibertop Network Units	EST26529_001	X12684 LOCN1044 - N/W CHANGEOUT 2012 Changeouts (EST23958_002)	-	0.04	-	-	0.04	-	Proceed
B10 Fibertop Network Units Total			1.48	7.71	-	0.65	5.52	-	0.65 5.52 -
B11 Automatic Transfer Switches (ATS) & Reverse Pow	EST19381_001	19381_001 X11505 Castlefield Ave Adj#645 Location #D9012	-	0.32	-	-	0.32	-	Proceed
B11 Automatic Transfer Switches (ATS) & Reverse Pow	EST23252_001	23252_003 X12658 - ATS Replacement Loc.#D3031	-	0.21	-	-	0.21	-	Proceed
B11 Automatic Transfer Switches (ATS) & Reverse Pow	EST24544_001	24544_001 X12798 Loc 4862 ATS Replacement 2012	-	0.14	-	-	0.14	-	Proceed
B11 Automatic Transfer Switches (ATS) & Reverse Pow	EST24546_001	24546_001 X12799 Loc 4023 ATS Replacement 2012	-	0.36	-	-	0.36	-	Proceed
B11 Automatic Transfer Switches (ATS) & Reverse Pow	EST24548_001	24548_001 X12800 Loc D9010 ATS Replacement 2012	-	0.14	-	-	0.14	-	Proceed
B11 Automatic Transfer Switches (ATS) & Reverse Pow	EST24549_001	24549_001 X12801 Loc D3022 ATS Replacement 2012	-	0.14	-	-	0.14	-	Proceed
B11 Automatic Transfer Switches (ATS) & Reverse Pow	EST24550_001	24550_001 X12802 Loc 4064 ATS Replacement 2012	-	0.37	-	-	0.37	-	Proceed
B11 Automatic Transfer Switches (ATS) & Reverse Pow	EST24634_001	24634_001 X12822 ATS Replacement 2012	-	0.87	-	-	0.87	-	Proceed
B11 Automatic Transfer Switches (ATS) & Reverse Pow	EST24905_001	24905_001 X12829 RBP replacement at two Locations 2012	-	0.71	-	-	0.71	-	Proceed
B11 Automatic Transfer Switches (ATS) & Reverse Power Breakers (RPB) Total			-	3.26	-	-	3.26	-	1.99 -
B12 Stations Power Transformers	EST18419_001	18419_001 12062 Ellesmere White Abbey MS Repl TR1 5/6.7 MVA 2012	0.20	0.16	-	0.20	0.16	-	Proceed
B12 Stations Power Transformers	EST20647_001	20647_001 S12376 Thistletown MS Repl TR1 3/4 MVA 2012	0.17	0.12	-	0.17	0.12	-	Proceed
B12 Stations Power Transformers	EST20675_001	20675_001 S12389 Scarborough Golf Club Repl TR1 3/4 MVA 2012	-	0.35	-	-	0.35	-	Proceed
B12 Stations Power Transformers	EST20685_001	20685_001 S12391 Thistletown MS - Replace TR2 2012	-	0.29	-	-	0.29	-	Proceed
B12 Stations Power Transformers	EST21573_001	21573_001 S13127Kingston Morningside MS:Replace TR 2012	-	0.33	-	-	0.33	-	Proceed
B12 Stations Power Transformers	EST21651_001	21651_001 S13144 Edenbridge MS Replace TR1 2012	-	0.37	-	-	0.37	-	Proceed
B12 Stations Power Transformers	EST21722_001	21722_001 S13154 High Level MS Replace TR1 TX 2012	-	0.46	-	-	0.46	-	Proceed
B12 Stations Power Transformers	EST21723_001	21723_001 S13155 High Level MS Replace TR2 TX 2012	-	0.54	-	-	0.54	-	Proceed
B12 Stations Power Transformers	EST21802_001	21802_001 S13168 Blaketon MS Replace TR1 Transform 2012	-	0.47	-	-	0.47	-	Proceed
B12 Stations Power Transformers	EST21852_001	21852_001 S13170 Albion MS Replace TR2 Transformer 2012	-	0.39	-	-	0.39	-	Proceed
B12 Stations Power Transformers Total			0.38	3.48	-	0.17	2.33	-	0.17 2.33 -
B13.1 & 13.2 Stations Switchgear - Municipal and Tran	EST18591_001	18591_001 S12048 Strachan TS: Replace A7-8T SWGR 2012	0.17	0.17	-	0.17	0.17	-	Proceed
B13.1 & 13.2 Stations Switchgear - Municipal and Tran	EST20427_001	20427_001 S12320 Leslie MS: Replace Switchgear	-	4.08	-	-	4.08	-	Stop work
B13.1 & 13.2 Stations Switchgear - Municipal and Tran	EST20492_001	20492_001 S13275 Duplex TS: Replace A5-6X SWG 2012	-	0.23	-	-	0.23	-	Proceed
B13.1 & 13.2 Stations Switchgear - Municipal and Tran	EST20544_XXX	20544_XXX S11040 Brimley Bernadine MS replace swgr (continue remaining work	0.08	-	-	0.08	-	-	Stop work
B13.1 & 13.2 Stations Switchgear - Municipal and Tran	EST20560_XXX	20560_XXX S11032 Lawrence Golf swgr replacement (continue remaining work	0.08	-	-	0.08	-	-	Stop work
B13.1 & 13.2 Stations Switchgear - Municipal and Tran	EST20561_XXX	20561_XXX S11031 Brian Elinor MS replace swgr (continue remaining work	0.08	-	-	0.08	-	-	Stop work
B13.1 & 13.2 Stations Switchgear - Municipal and Tran	EST20706_001	20706_001 S13199 Carlaw TS: Prepare 3 New Feeder Positions	-	0.05	-	-	0.05	-	Proceed
B13.1 & 13.2 Stations Switchgear - Municipal and Tran	EST20750_002	20750_002 S12416 Porterfield MS Replace 4kV SWGR Planned Capita	-	0.97	-	-	0.97	-	Proceed
B13.1 & 13.2 Stations Switchgear - Municipal and Tran	EST20877_001	20877_001 S12045 Wiltshire TS Replace A3-4W 2012	0.40	6.03	-	0.40	6.03	-	Proceed
B13.1 & 13.2 Stations Switchgear - Municipal and Tran	EST21625_002	21625_002 W12537 YORK MS 4kV UG DB Replacement Creation Date: October 1, 2010	-	0.13	-	-	0.13	-	Proceed
B13.1 & 13.2 Stations Switchgear - Municipal and Tran	EST21630_001	21630_001 E13139Repl. PLC cables -Brian Elinor MS Co-ordinate with Station	-	0.24	-	-	0.24	-	Stop work

B13.1 & 13.2 Stations Switchgear - Municipal and Tran	EST21631_001	21631_001 E13140 Replace PILC Brimley-BernadineMS Co-ordinate with Station	0.02	0.51	-	0.02	-	-	-	Stop work					
B13.1 & 13.2 Stations Switchgear - Municipal and Tran	EST21632_001	21632_001 E13141 Replace PILC cable - Lawrence-Gol Co-ordinate with swgr replacement	-	0.24	-	-	-	-	-	Stop work					
B13.1 & 13.2 Stations Switchgear - Municipal and Tran	EST21649_001	21649_001 E13149 Replace PILC-Greencedar Lawrence MS. Co-ordinate with swgr replacement	-	0.24	-	-	-	-	-	Stop work					
B13.1 & 13.2 Stations Switchgear - Municipal and Tran	EST21650_XXX	21650_XXX E13150 Replace PILC cables -Midland Lawrence (ZE) MS	-	0.24	-	-	-	-	-	Stop work					
B13.1 & 13.2 Stations Switchgear - Municipal and Tran	EST22025_001	22025_001 S12557 Carlaw TS: Commission A10-11E SWG	0.54	0.86	-	0.54	0.86	-	-	Proceed					
B13.1 & 13.2 Stations Switchgear - Municipal and Tran	EST22315_001	22315_001 W13233 Neilson MS DB cable Replacement	-	0.30	-	-	0.30	-	-	Proceed					
B13.1 & 13.2 Stations Switchgear - Municipal and Tran	EST22342_001	22342_001 S13270 Leslie MS: Load Transfer 2012	-	0.14	-	-	-	-	-	Stop work					
B13.1 & 13.2 Stations Switchgear - Municipal and Tran	EST22474_001	22474_001 S13248 WiltshireTS A13-14W Feeder Tran	-	0.27	-	-	0.27	-	-	Proceed					
B13.1 & 13.2 Stations Switchgear - Municipal and Tran	EST22620_XXX	22620_XXX S11642 York MS replace swgr (continue remaining work)	0.34	0.91	-	0.34	0.91	-	-	Proceed					
B13.1 & 13.2 Stations Switchgear - Municipal and Tran	EST23116_001	23116_001 W12651 Porterfield MS UG DB Replacement	-	0.25	-	-	0.25	-	-	Stop work					
B13.1 & 13.2 Stations Switchgear - Municipal and Tran	EST23173_001	23173_001 E13317 Transfer of cabling at Leslie MS Electrical Project	-	0.43	-	-	-	-	-	Stop work					
B13.1 & 13.2 Stations Switchgear - Municipal and Tran	EST23209_001	23209_001 E13317 Transfer of cabling at Leslie MS Civil Works Project	-	0.47	-	-	-	-	-	Stop work					
B13.1 & 13.2 Stations Switchgear - Municipal and Tran	EST24975_XXX	24975_XXX W14--- Thornton MS Replace PILC cable	-	0.11	-	-	0.11	-	-	Proceed					
B13.1 & 13.2 Stations Switchgear - Municipal and Tran	EST25425_XXX	25425_XXX S13433 Strachan TS A7-8 Switchgear replacement	-	3.41	-	-	3.41	-	-	Proceed					
B13.1 & 13.2 Stations Switchgear - Municipal and Tran	EST26542_001	S11040 Brimley Bernadine MS: Replace SWG 2012 (EST20544_XXX)	-	0.49	-	-	-	-	-	Stop work					
B13.1 & 13.2 Stations Switchgear - Municipal and Tran	EST26543_001	S11031 Brian Elinor MS: Replace SWG 2012 (EST20561_XXX)	-	0.50	-	-	-	-	-	Stop work					
B13.1 & 13.2 Stations Switchgear - Municipal and Tran	EST26544_001	S11032 Lawrence Golf MS: Replace SWG (EST20560_XXX)	-	0.50	-	-	-	-	-	Stop work					
B13.1 & 13.2 Stations Switchgear - Municipal and Transformer Stations Total			1.73	21.81	-	0.77	14.24	-	1.73	13.72	-	0.77	9.16	-	
B14 Stations Circuit Breakers	EST18233_001	18233_001 S12036 Fairchild TS Rep KSO CB 80M1 2012	0.10	0.09	-	-	-	-	-	On hold (pending rate order)					
B14 Stations Circuit Breakers	EST18237_001	18237_001 S12037 Fairchild TS Rep KSO CB 80M3 2012	0.10	0.09	-	-	-	-	-	On hold (pending rate order)					
B14 Stations Circuit Breakers	EST18262_001	18262_001 S12043 Fairchild TS Rep KSO CB 80M5 2012	0.10	0.09	-	-	-	-	-	On hold (pending rate order)					
B14 Stations Circuit Breakers	EST18263_001	18263_001 S12044 Fairchild TS Rep KSO CB 80M9 2012	0.10	0.09	-	-	-	-	-	On hold (pending rate order)					
B14 Stations Circuit Breakers	EST18403_001	18403_001 S12001 Leslie TS: Repl. KSO M4 & M6 2012	0.20	0.18	-	-	-	-	-	On hold (pending rate order)					
B14 Stations Circuit Breakers	EST24835_001	24835_001 ICM-S11118 Finch TS Repl KSO CB 55M27 2012	0.08	-	-	-	-	-	-	On hold (pending rate order)					
B14 Stations Circuit Breakers	EST24836_001	24836_001 ICM-S11121 Finch TS Repl KSO CB 55M28 2012	0.04	-	-	-	-	-	-	On hold (pending rate order)					
B14 Stations Circuit Breakers	EST24837_001	24837_001 ICM-S11130 Bathurst TS Repl KSO CB 85M24 2012	0.03	-	-	-	-	-	-	On hold (pending rate order)					
B14 Stations Circuit Breakers Total			0.76	0.55	-	0.34	0.76	-	-	-	-	-	-	-	
B15 Stations Control & Communication Systems	EST18151_001	18151_001 S12030 Improve SONET Redundancy: HO-GD-X 2012 Budget Estimate	0.02	0.20	-	-	-	-	-	Stop work					
B15 Stations Control & Communication Systems	EST18153_001	18153_001 S12031 Improve SONET Redundancy: Malvern TS to Sheppard TS 2012	0.02	0.20	-	-	-	-	-	Stop work					
B15 Stations Control & Communication Systems	EST18202_001	18202_001 S12033 Improve SONET Redundancy: Split TO Ring 2012	-	0.06	-	-	-	-	-	Stop work					
B15 Stations Control & Communication Systems	EST22842_001	22842_001 S13297 2013 Install 5 MS SCADA RTUs 2012	-	0.34	-	-	-	-	-	Stop work					
B15 Stations Control & Communication Systems	EST24780_001	24780_001 S12554 Replace MOSCAD RTUs in ET 2012 15 RTUs	0.10	0.19	-	-	-	-	-	Stop work					
B15 Stations Control & Communication Systems Total			0.14	1.00	-	0.06	0.68	-	-	-	-	-	-	-	
B16 Downtown Station Load Transfers	EST18645_001	18645_001 X11424 New Feeder Tie: A203BN & A240GD 2011 Budget Estimate	-	0.48	-	-	-	-	-	On hold (pending rate order)					
B16 Downtown Station Load Transfers	EST19349_001	19349_001 X12086 A204BN tie to new Carlaw feeder 2012 estimate	-	0.39	-	-	-	-	-	On hold (pending rate order)					
B16 Downtown Station Load Transfers	EST20952_004	20952_004 ICM X11620 Electrical cable and switch IFRS compliant (copy of 20952v9)	0.68	-	-	-	-	-	-	On hold (pending rate order)					
B16 Downtown Station Load Transfers	EST26555_001	X11620 Electrical cable and switch IFRS compliant (copy of 20952v9) (EST20952_004)	-	1.26	-	-	-	-	-	On hold (pending rate order)					
B16 Downtown Station Load Transfers Total			0.68	2.14	-	0.30	1.68	-	-	-	-	-	-	-	
B17 Bremner Transformer Station	EST22465_X01	22465_001 BREMNER TS THESL INVESTMENTS 2012 RC 282C	3.99	-	-	3.99	-	-	-	Proceed					
B17 Bremner Transformer Station	EST22473_X01	22473_001 ICM BREMNER TS THESL INVESTMENTS 2013 RC 282C	-	85.09	-	-	85.09	-	-	Proceed					
B17 Bremner Transformer Station	EST25115_001	25115_001 BREMNER TS THESL INVESTMENTS 2014 RC 282C	-	-	34.74	-	-	34.74	-	Proceed					
B17 Bremner Transformer Station Total			3.99	85.09	34.74	-	2.43	121.39	-	3.99	85.09	34.74	-	2.43	121.39
B18 Hydro One Capital Contributions	EST17402_X01	17402 Terauley HONI	-	(1.03)	-	-	-	-	-	Stop work					
B18 Hydro One Capital Contributions	EST17404_X01	17404 Carlaw HONI	-	(0.37)	-	-	-	-	-	Stop work					
B18 Hydro One Capital Contributions	EST17488_XXX	17488 Glengrove HONI	-	(0.37)	-	-	-	-	-	Stop work					
B18 Hydro One Capital Contributions	EST20757_001	20757_001 S12083 Leaside-Birch Transmission Reinfo HONI Capital Contribution 2012	17.60	-	-	-	-	-	-	Stop work					
B18 Hydro One Capital Contributions	EST22109_001	22109_001 S12804 Malvern TS 2 new CBs HONI Capital Contribution Agreement 2012	1.28	-	-	-	-	-	-	On hold (pending rate order)					
B18 Hydro One Capital Contributions	EST22463_001	22463_001 BREMNER TS HONI CAP CONTRN 2013 RC 282C	-	23.00	-	-	23.00	-	-	Proceed					
B18 Hydro One Capital Contributions	EST24507_001	24507_001 S12810 Malvern TS 2 new CBs Engl Study 2012 HONI Capital Contributor	0.02	-	-	-	-	-	-	On hold (pending rate order)					
B18 Hydro One Capital Contributions	EST24508_001	24508_001 S12809 Leslie MS switchgear replacement HONI Engineering Study 2012	0.03	-	-	-	-	-	-	On hold (pending rate order)					
B18 Hydro One Capital Contributions	EST24509_001	24509_001 S12813 Leslie MS switchgear replacement Capital Contribution estimate cost 2012	0.15	-	-	-	-	-	-	On hold (pending rate order)					
B18 Hydro One Capital Contributions	EST24510_001	24510_001 S12808 WILTSHIRE TS A3-4 ENG STDY 2012 HONI Capital Contributor	0.07	-	-	-	-	-	-	Stop work					
B18 Hydro One Capital Contributions	EST24511_001	24511_001 S12807 STRACHAN TS A7-8 ENGINEERING STDY 2012 HONI Capital Contributor	0.07	-	-	-	-	-	-	Stop work					
B18 Hydro One Capital Contributions	EST24512_001	24512_001 S12806 DUPLEX TS A5-6 ENGINEERING STUDY 2012 HONI Capital Contributor	0.07	-	-	-	-	-	-	Stop work					
B18 Hydro One Capital Contributions	EST24733_001	24733_001 S13402 Leaside-Birch Trmsn Reinforcement 2012	-	15.28	-	-	-	-	-	Stop work					
B18 Hydro One Capital Contributions	EST24736_001	24736_001 S13404 Horner 2nd bus engineering study 2012	-	0.15	-	-	-	-	-	Stop work					
B18 Hydro One Capital Contributions	EST24737_001	24737_001 S13405 Runnymede 2nd bus engl study 2012	-	0.15	-	-	-	-	-	Stop work					
B18 Hydro One Capital Contributions	EST24738_001	24738_001 S13406 Esplanade 2nd bus engl study 2012	-	0.10	-	-	-	-	-	Stop work					
B18 Hydro One Capital Contributions	EST24739_001	24739_001 S13407 Bridgman/HighLevel engl study 2012	-	0.10	-	-	-	-	-	Stop work					
B18 Hydro One Capital Contributions	EST24740_001	24740_001 S13408 Wiltshire A1-2 Transf upgr study 2012	-	0.10	-	-	-	-	-	Stop work					
B18 Hydro One Capital Contributions	EST24741_001	24741_001 S13409 Strachan A5-6 SWG Repl study 2012	-	0.07	-	-	-	-	-	Stop work					
B18 Hydro One Capital Contributions	EST24742_001	24742_001 S13410 Windsor A5-6 SWG Repl study 2012	-	0.10	-	-	-	-	-	Stop work					
B18 Hydro One Capital Contributions	EST24743_001	24743_001 S13411 Wiltshire A5-6 SWG Repl study 2012	-	0.07	-	-	-	-	-	Stop work					
B18 Hydro One Capital Contributions	EST24744_001	24744_001 S13412 Wiltshire A3-4 Cap Contribution 2012	-	3.00	-	-	-	-	-	Stop work					
B18 Hydro One Capital Contributions	EST24745_001	24745_001 S13413 Strachan A7-8 Cap Contribution 2012	-	3.00	-	-	-	-	-	Stop work					
B18 Hydro One Capital Contributions	EST24747_001	24747_001 S13415 Duplex A5-6 Capital Contribution 2012	-	3.00	-	-	-	-	-	Stop work					
B18 Hydro One Capital Contributions	EST27113_X01	Strachan TS A3-4 HONI Capital Contribution	3.27	-	-	-	-	-	-	Stop work					
B18 Hydro One Capital Contributions	EST27114_X01	Glengrove TS A5-6 HONI Capital Contributions	2.20	-	-	-	-	-	-	Stop work					
B18 Hydro One Capital Contributions Total			22.98	48.12	-	3.70	10.68	37.00	-	23.00	-	-	60.00	-	
B19 Feeder Automation	EST22443_001	22443_001 E12591 Feeder Automation of 502M22 Cavanagh TS	0.04	0.63	-	-	-	-	-	Stop work					
B19 Feeder Automation	EST22444_001	22444_001 E12592 Feeder Automation of 502M23 Cavanagh TS	0.07	0.79	-	-	-	-	-	Stop work					
B19 Feeder Automation	EST22445_001	22445_001 E12593 Feeder Automation of 502M24 Cavanagh TS	0.03	0.46	-	-	-	-	-	Stop work					
B19 Feeder Automation	EST22446_001	22446_001 E12594 Feeder Automation of 502M26 Cavanagh TS	0.05	0.71	-	-	-	-	-	Stop work					
B19 Feeder Automation	EST22447_001	22447_001 E12595 FA - Radio Study & Installation Cavanagh and Agincourt TS feeders	-	0.35	-	-	-	-	-	Stop work					
B19 Feeder Automation	EST22448_001	22448_001 E12596 PPE FA Site Acceptance Tests Cavanagh & Agincourt TS Feeders	-	0.22	-	-	-	-	-	Stop work					
B19 Feeder Automation	EST22449_001	22449_001 E12597 Feeder Automation of 502M29 Cavanagh TS	0.03	0.50	-	-	-	-	-	Stop work					
B19 Feeder Automation	EST22450_001	22450_001 E12598 Feeder Automation of 63M1 Agincourt TS	0.02	0.21	-	-	-	-	-	Stop work					
B19 Feeder Automation	EST22452_001	22452_001 E12600 Feeder Automation of 502M32 Cavanagh TS	0.04	0.53	-	-	-	-	-	Stop work					
B19 Feeder Automation	EST22453_001	22453_001 ICM E12601 Feeder Automation of 63M11 Agincourt TS	0.03	0.37	-	-	-	-	-	Stop work					
B19 Feeder Automation	EST22455_001	22455_001 E12603 Feeder Automation of 63M4 Agincourt TS	0.04	0.46	-	-	-	-	-	Stop work					
B19 Feeder Automation	EST22456_001	22456_001 E12604 Feeder Automation of 63M5 Agincourt TS	0.06	0.82	-	-	-	-	-	Stop work					
B19 Feeder Automation	EST22457_001	22457_001 E12605 Feeder Automation of 63M6 Agincourt TS	0.05	0.62	-	-	-	-	-	Stop work					
B19 Feeder Automation	EST22458_001	22458_001 E12606 Feeder Automation of 63M7 Agincourt TS	0.05	0.58	-	-	-	-	-	Stop work					
B19 Feeder Automation	EST22459_001	22459_001 E12607 Feeder Automation of 63M8 Agincourt TS	0.04	0.56	-	-	-	-	-	Stop work					
B19 Feeder Automation	EST23902_001	23902_001 E12659 East 2013-2014 FA - Radio Study Malvern and Ellesmere TS feeder:	-	0.12	-	-	-	-	-	Stop work					
B19 Feeder Automation	EST23905_001	23905_001 E12678 East 2013 FA - Radio Installation Ellesmere and Malvern TS feeder:	-	0.28	-	-	-	-	-	Stop work					
B19 Feeder Automation	EST23912_X01	E12679 - East 2014 Repeater Radio Installation for Scarborough East (EST23905_001)	-	0.28	-	-	-	-	-	Stop work					

B19 Feeder Automation	EST24154_001	24154_001 W13380 - Feeder Automation 38M12	0.11	0.15	-		-	-	-	-	Stop work				
B19 Feeder Automation	EST24177_001	24177_001 W13371 - Feeder Automation 30M1	0.15	0.31	-		-	-	-	-	Stop work				
B19 Feeder Automation	EST24178_001	24178_001 W13375 - Feeder Automation 30M2	0.08	0.23	-		-	-	-	-	Stop work				
B19 Feeder Automation	EST24183_001	24183_001 W13377 - Feeder Automation 30M4	0.13	0.32	-		-	-	-	-	Stop work				
B19 Feeder Automation	EST24185_001	24185_001 W13379 - Feeder Automation 30M9	0.18	0.31	-		-	-	-	-	Stop work				
B19 Feeder Automation	EST24187_001	24187_001 W13383 - FA 2013 Etobicoke 38M5	0.06	0.16	-		-	-	-	-	Stop work				
B19 Feeder Automation	EST24188_001	24188_001 W13378 - Feeder Automation 30M8	0.14	0.25	-		-	-	-	-	Stop work				
B19 Feeder Automation	EST24191_001	24191_001 W13384 - Feeder Automation 38M4	0.10	0.20	-		-	-	-	-	Stop work				
B19 Feeder Automation	EST24192_001	24192_001 W13367 - Feeder Automation 80M2	0.12	0.22	-		-	-	-	-	Stop work				
B19 Feeder Automation	EST24193_001	24193_001 W13381 - FA 2013 Etobicoke 38M8	0.10	0.20	-		-	-	-	-	Stop work				
B19 Feeder Automation	EST24194_001	24194_001 W13373 - Feeder Automation 80M21	0.08	0.27	-		-	-	-	-	Stop work				
B19 Feeder Automation	EST24195_001	24195_001 W13368 Feeder Automation 80M4	0.11	0.23	-		-	-	-	-	Stop work				
B19 Feeder Automation	EST24196_001	24196_001 W13369 - Feeder Automation 80M6	0.07	0.23	-		-	-	-	-	Stop work				
B19 Feeder Automation	EST24197_001	24197_001 W13370 - Feeder Automation 80M8	0.06	0.19	-		-	-	-	-	Stop work				
B19 Feeder Automation	EST24198_001	24198_001 W13372 - Feeder Automation 80M10	-	0.24	-		-	-	-	-	Stop work				
B19 Feeder Automation	EST24199_001	24199_001 ICM W13374 - Feeder Automation 80M29	0.13	0.27	-		-	-	-	-	Stop work				
B19 Feeder Automation	EST24200_001	24200_001 W13366 - Feeder Automation 80M1	0.13	0.28	-		-	-	-	-	Stop work				
B19 Feeder Automation	EST24675_001	24675_001 Feeder Automation of SCNAESM2 Scarborough TS	-	0.73	-		-	-	-	-	Stop work				
B19 Feeder Automation	EST24680_001	24680_001 Feeder Automation of SCNAESM4 Scarborough TS	-	0.68	-		-	-	-	-	Stop work				
B19 Feeder Automation	EST24681_001	24681_001 Feeder Automation of SCNAESM6 Scarborough TS	-	0.62	-		-	-	-	-	Stop work				
B19 Feeder Automation	EST24685_001	24685_001 Feeder Automation of SCNAESM8 Scarborough TS	-	0.46	-		-	-	-	-	Stop work				
B19 Feeder Automation	EST24689_001	24689_001 Feeder Automation of SCNAESM10 Scarborough TS	-	0.55	-		-	-	-	-	Stop work				
B19 Feeder Automation	EST24690_001	24690_001 Feeder Automation of SCNAESM22 Scarborough TS	-	0.40	-		-	-	-	-	Stop work				
B19 Feeder Automation	EST24691_001	24691_001 Feeder Automation of SCNAESM24 Scarborough TS	-	0.47	-		-	-	-	-	Stop work				
B19 Feeder Automation	EST24699_001	24699_001 Feeder Automation of SCNAESM25 Scarborough TS	-	0.40	-		-	-	-	-	Stop work				
B19 Feeder Automation	EST24700_001	24700_001 Feeder Automation of SCNAESM27 Scarborough TS	-	0.67	-		-	-	-	-	Stop work				
B19 Feeder Automation	EST24702_001	24702_001 Feeder Automation of SCNAESM30 Scarborough TS	-	0.40	-		-	-	-	-	Stop work				
B19 Feeder Automation	EST24704_001	24704_001 Feeder Automation of SCNAESM23 Scarborough TS	-	0.35	-		-	-	-	-	Stop work				
B19 Feeder Automation	EST24709_001	24709_001 Feeder Automation of SCNAESM21 Scarborough TS	-	0.59	-		-	-	-	-	Stop work				
B19 Feeder Automation	EST24730_001	24730_001 Feeder Automation of SCNAESM26 Scarborough TS	-	0.61	-		-	-	-	-	Stop work				
B19 Feeder Automation	EST24732_001	24732_001 Feeder Automation of SCNAESM29 Scarborough TS	-	0.45	-		-	-	-	-	Stop work				
B19 Feeder Automation	EST26136_001	W13483 -FA 2013 Etobicoke RR IFRS compliant (EST24191_001)	-	0.20	-		-	-	-	-	Stop work				
B19 Feeder Automation	EST26147_X01	W13484 - FA 2013 - P3 - Fairchild Survey/Repeater Radio Installation (EST23905_001)	-	0.19	-		-	-	-	-	Stop work				
B19 Feeder Automation	EST26149_001	W13485 - FA 2013- Etobicoke SAT (EST22448_001)	-	0.16	-		-	-	-	-	Stop work				
B19 Feeder Automation	EST26150_001	W13486 - FA 2013- Fairchild TS SAT (EST22448_001)	-	0.16	-		-	-	-	-	Stop work				
B19 Feeder Automation Total			2.30	20.66	-		1.02	13.86	-	-	-				
B20 Metering	EST22138_X01	22138_001 2012 RC4250 Grid Supply Points CapEx (EST24917_001)	0.98	-	-		-	0.98	-	-	Proceed				
B20 Metering	EST24983_001	24983_001 2013 Reverification Meter Rep'nt New Cap CAPEX	-	0.45	-		-	0.45	-	-	Proceed				
B20 Metering	EST24986_001	24986_001 ICM 2013 RC4250 Grid Supply Point 22138 CAPEX	-	6.30	-		-	6.30	-	-	Proceed				
B20 Metering	EST25047_X01	25047_001 Smart Meter Conversion (EST25316_001)	0.60	-	-		-	0.60	-	-	Proceed				
B20 Metering	EST25315_001	25315_001 ICM 2012 Rever./Reseal of Meters-Abestos Conversion to Smart Meters	0.68	0.60	-		-	0.68	0.60	-	Proceed				
B20 Metering	EST25316_001	25316_001 ICM 2012 Reverification/Reseal of Meters CAPEX	2.48	0.60	-		-	2.48	0.60	-	Proceed				
B20 Metering	EST26322_001	2013 Rever. Meter Rep'nt New Cap RC4240 CAPEX (EST24983_001)	-	0.45	-		-	-	0.45	-	Proceed				
B20 Metering Total			4.74	8.40	-		2.10	7.75	-	4.74	8.40				
B21 Externally-Initiated Plant Relocations and Expansions	EST20124_004	20124_004 X11603 Relocate B11T/B9T/B2T/B3T/B6T Created Oct 2010	1.12	-	-		-	1.12	-	-	Proceed				
B21 Externally-Initiated Plant Relocations and Expansions	EST20125_004	20125_004 X11604 Relocate A22T/A49T/A53T Created Oct 2010	1.01	-	-		-	1.01	-	-	Proceed				
B21 Externally-Initiated Plant Relocations and Expansions	EST20129_004	20129_004 X11605 Relocate A25T/A27T/A29T/A31T 2011 budget estimate	0.46	-	-		-	0.46	-	-	Proceed				
B21 Externally-Initiated Plant Relocations and Expansions	EST20132_X02	X11606 GO Strachan Crossing Feeder Relocate - Civil (EST24929_001)	0.15	-	-		-	0.15	-	-	Proceed				
B21 Externally-Initiated Plant Relocations and Expansions	EST21862_002	21862_002 W12545-MTO KEELE HWY401 RELOC PH#2 RC3620 2012 CapEx WBS Rev Nov 22_1I	0.62	-	-		-	0.62	-	-	Proceed				
B21 Externally-Initiated Plant Relocations and Expansions	EST22170_002	22170_002 X11763 Directional Drilling Gardiner Estimate 2011	-	0.75	-		-	-	0.75	-	Proceed				
B21 Externally-Initiated Plant Relocations and Expansions	EST22851_001	22851_001 X12635 QQ Rebuild Ph1 - yoyo to peter 2012 budget estimate	2.70	1.08	-		-	2.70	1.08	-	Proceed				
B21 Externally-Initiated Plant Relocations and Expansions	EST22853_001	22853_001 X12636 QQ Rebuild Ph2 - Peter to simcoe 2012 budget estimate	-	4.68	-		-	-	4.68	-	Proceed				
B21 Externally-Initiated Plant Relocations and Expansions	EST22854_001	22854_001 X12637 QQ Rebuild Ph3 - Simcoe to York 2012 budget estimate	-	2.76	-		-	-	2.76	-	Proceed				
B21 Externally-Initiated Plant Relocations and Expansions	EST23018_002	23018_002 Western Battery to Duoro Rail Crossing RC3620 2011 CapEx WBS Rev Nov 22_1I	0.25	-	-		-	0.25	-	-	Proceed				
B21 Externally-Initiated Plant Relocations and Expansions	EST23196_003	23196_003 W11826 OH Plant Relocation Metrolink Construction 2012	0.24	-	-		-	0.24	-	-	Proceed				
B21 Externally-Initiated Plant Relocations and Expansions	EST23329_002	23329_002 W10508 HWY427/Eglinton Road Mod RC3620 2011 CapEx WBS Rev Nov 22_1I	0.19	-	-		-	0.19	-	-	Proceed				
B21 Externally-Initiated Plant Relocations and Expansions	EST23527_009	23527_009 W12663 - Beecroft Ext. - City Conflicts	0.74	-	-		-	0.74	-	-	Proceed				
B21 Externally-Initiated Plant Relocations and Expansions	EST23606_X01	W10498 Weston Tunnel GO Xing Relocn ET88M12 (EST24895_001)	0.28	-	-		-	0.28	-	-	Proceed				
B21 Externally-Initiated Plant Relocations and Expansions	EST23759_004	23759_004 ICM X11602 Relocate feeders serving Created Oct 2010 (copy of 23759v3)	1.67	-	-		-	1.67	-	-	Proceed				
B21 Externally-Initiated Plant Relocations and Expansions	EST24037_002	24037_002 X11380 Front St. E, Heritage lighting_OH replaces est 24037 version 002	0.42	0.12	-		-	0.42	0.12	-	Proceed				
B21 Externally-Initiated Plant Relocations and Expansions	EST24079_002	24079_002 W12763 - GTS Hwy27 Bridge Expansion	0.19	-	-		-	0.19	-	-	Proceed				
B21 Externally-Initiated Plant Relocations and Expansions	EST24615_001	24615_001 ICM NW PATH Relocation Phase 1	-	0.85	-		-	-	0.85	-	Proceed				
B21 Externally-Initiated Plant Relocations and Expansions	EST24729_001	24729_001 ICM 2013 IQQuay Plceholder - 2013 DO NOT PACKAGE	-	9.73	-		-	-	9.73	-	Proceed				
B21 Externally-Initiated Plant Relocations and Expansions	EST24963_002	24963_002 ICM Lawrence & Allen Rd_pole relocation	-	0.16	-		-	-	0.16	-	Proceed				
B21 Externally-Initiated Plant Relocations and Expansions	EST24967_001	24967_001 ICM NW PATH Relocation Phase 2	-	1.08	-		-	-	1.08	-	Proceed				
B21 Externally-Initiated Plant Relocations and Expansions	EST25276_001	25276_001 ICM Dundas OH to UG 2012 Bathurst to University 2012	-	0.63	-		-	-	0.63	-	Proceed				
B21 Externally-Initiated Plant Relocations and Expansions	EST25280_001	25280_001 ICM Dundas OH to UG 2013 Bathurst to University	-	3.02	-		-	-	3.02	-	Proceed				
B21 Externally-Initiated Plant Relocations and Expansions	EST26821_X01	W12909 Road Widening - North Side of Lawrence (east of Allen) (EST24963_002)	0.12	-	-		-	0.12	-	-	Proceed				
B21 Externally-Initiated Plant Relocations and Expansions Total			10.16	24.84	-		4.50	20.78	-	10.16	24.84				
BXX ICM Understatement of Capitalized Labour	ESTXXXX_XXX	(blank)	8.32	-	-		-	8.32	-	-	Proceed				
BXX ICM Understatement of Capitalized Labour Total			8.32	-	-		3.69	4.63	-	8.32	4.63				
Grand Total			128.97	438.15	34.74		48.91	255.50	158.39	102.12	377.63	34.74	43.49	220.96	181.39
Pre-2012 CWIP			-	-	-		67.00	45.46	-	-	-	-	67.00	45.46	-
			128.97	438.15	34.74		115.91	300.96	158.39	102.12	377.63	34.74	110.49	266.42	181.39

Continuing Projects and Emerging Issues Portfolio			55.73	40.00		24.95	56.25	-	-	-	-	-	-	-	Stop work
Worst Performing Feeder			4.90	5.44		2.19	6.17	4.90	5.44		2.19	6.17			Proceed
Customer Connections (net of Customer Contributions)			24.98	37.39		11.18	37.60	24.98	37.39		11.18	37.60			Proceed
Reactive Capital - Underground Assets			16.10	17.80		7.21	20.22	16.10	17.80		7.21	20.22			Proceed
Reactive Capital - Overhead Assets			7.80	9.60		3.49	10.42	7.80	9.60		3.49	10.42			Proceed
Reactive Capital - Stations			0.70	1.10		0.31	1.09	0.70	1.10		0.31	1.09			Proceed
Reactive Capital - Metering Assets			0.80	0.80		0.36	0.95	0.80	0.80		0.36	0.95			Proceed
Engineering Capital			9.50	9.50		4.25	11.30	9.50	9.50		4.25	11.30			Proceed
CI Operations Portfolio Capital			120.51	121.63	-	53.95	144.00	-	64.78	81.63	-	29.00	87.75	-	

Corporate Applications Upgrade			1.09	1.12			1.09	1.12		Proceed
Billing and Regulatory Compliance Systems Upgrade			3.62	2.75			3.62	2.75		Proceed
Geospatial Information System & Outage Management System Upgrade			0.40	2.63			0.40	2.63		Proceed
Information Technology Hardware Asset Replacement			5.74	8.50			5.74	8.50		Proceed
2011 Carryover Projects			11.15	-			11.15	-		Proceed
C2 Information Technology Capital			22.00	15.00	-		22.00	15.00	-	
Car/Light Truck			0.14	-			0.14	-		On hold (pending rate order)
Derrick			0.35	-			0.35	-		On hold (pending rate order)
Forklift			0.11	-			0.11	-		On hold (pending rate order)
Cube Van			-	1.90			-	1.90		On hold (pending rate order)
Rubber Power Line Covers			0.20	0.10			0.20	0.10		On hold (pending rate order)
C3 Fleet Capital			0.80	2.00	-		0.80	2.00	-	
14 Carlton Street			2.20	2.03		0.29	0.76		0.29	0.76
500 Commissioners Street			0.70	1.60			0.70	1.60		Proceed
6 Monogram Place			0.13	0.13			0.13	0.13		Proceed
60 Eglinton Ave W			0.13	0.02			0.13	0.02		Proceed
601 Milner Avenue			0.13	0.12			0.13	0.12		Proceed
Card Access Security System			1.70	1.02			1.70	1.02		Proceed
Installation of Backflow Preventer			0.01	0.08			0.01	0.08		Proceed
C4 Buildings and Facilities Capital			5.00	5.00	-		5.00	5.00	-	
Allowance for Funds Used During Construction			1.20	1.40	-		0.15	2.14	-	
Total PCI Segments Filed			149.51	145.03	-		67.40	171.26	-	
Non-Discretionary Projects Denied for ICM Funding:										
B7 Polymer SMD-20 Switches	EST24773_001	24773_001 2012 SMD-20 Replacements DO NOT PACKAGE						1.53	-	On hold (as above)
B7 Polymer SMD-20 Switches Total								1.53	-	
B8 SCADA-Mate R1 Switches	EST22579_001	22579_001 2012 SCADA R-1 Event Estimate DO NOT PACKAGE						1.43	-	On hold (as above)
B8 SCADA-Mate R1 Switches Total								1.43	-	
B14 Stations Circuit Breakers	EST18233_001	18233_001 S12036 Fairchild TS Rep KSO CB 80M1 2012						0.10	0.09	On hold (as above)
	EST18237_001	18237_001 S12037 Fairchild TS Rep KSO CB 80M3 2012						0.10	0.09	On hold (as above)
	EST18262_001	18262_001 S12043 Fairchild TS Rep KSO CB 80M5 2012						0.10	0.09	On hold (as above)
	EST18263_001	18263_001 S12044 Fairchild TS Rep KSO CB 80M9 2012						0.10	0.09	On hold (as above)
	EST18403_001	18403_001 S12001 Leslie TS: Repl. KSO M4 & M6 2012						0.20	0.18	On hold (as above)
	EST24835_001	24835_001 ICM-S11118 Finch TS Repl KSO CB 55M27 2012						0.08	-	On hold (as above)
	EST24836_001	24836_001 ICM-S11121 Finch TS Repl KSO CB 55M28 2012						0.04	-	On hold (as above)
	EST24837_001	24837_001 ICM-S11130 Bathurst TS Repl KSO CB 85M24 2012						0.03	-	On hold (as above)
B14 Stations Circuit Breakers Total								0.76	0.55	
B16 Downtown Station Load Transfers	EST18645_001	18645_001 X11424 New Feeder Tie: A203BN & A240GD 2011 Budget Estimate						-	0.48	On hold (as above)
	EST19349_001	19349_001 X12086 A204BN tie to new Carlaw feeder 2012 estimate						-	0.39	On hold (as above)
	EST20952_004	20952_004 ICM X11620 Electrical cable and switch IFRS compliant (copy of 20952v9)						0.68	-	On hold (as above)
	EST26555_001	X11620 Electrical cable and switch IFRS compliant (copy of 20952v9) (EST20952_004)						-	1.26	On hold (as above)
B16 Downtown Station Load Transfers Total								0.68	2.14	
B18 Hydro One Capital Contributions	EST22109_001	22109_001 S12804 Malvern TS 2 new CBs HONI Capital Contribution Agreement 2012						1.29	-	On hold (as above)
	EST24507_001	24507_001 S12810 Malvern TS 2 new CBs Engi Study 2012 HONI Capital Contributor						0.02	-	On hold (as above)
	EST24508_001	24508_001 S12809 Leslie MS switchgear replacement HONI Engineering Study 2012						0.03	-	On hold (as above)
	EST24509_001	24509_001 S12813 Leslie MS switchgear replacement Capital Contribution estimate cost 2012						0.15	-	On hold (as above)
B18 Hydro One Capital Contributions Total								1.48	-	
Total Non-Discretionary Moved to PCI			-	-	-			2.92	5.65	
Total PCI			149.51	145.03	-		67.40	171.26	-	

	FY12 Filed Spend	FY13 Filed Spend	FY14 Filed Spend	Total FY12 ISA Filed	Total FY13 ISA Filed	Total FY14 ISA Filed	FY12 Approved Spend	FY13 Approved Spend	FY14 Approved Spend	Total FY12 ISA	Total FY13 ISA	Total FY14 ISA
Total ICM	128.97	438.15	34.74	48.91	255.50	158.39	102.12	377.63	34.74	43.49	220.96	181.39
Total PCI	149.51	145.03	-	67.40	171.26	-	96.70	110.68	-	43.09	120.74	-
Grand Total (Incl CWIP)	278.48	583.19	34.74	183.31	427.22	158.39	198.82	488.31	34.74	153.58	387.15	181.39

Rob Barrass - ICM Update Meeting - Next week

From: Rob Barrass
To: Angela Rouse; Anna-Christina Crespo; Anthony Lam; Daliana Coban; Dan...
Date: 07/06/2013 7:08 PM
Subject: ICM Update Meeting - Next week
CC: Amanda Klein; Asheef Jamal; Kristen Miller

Good evening all,

Update status

Many of us have had side-bar conversations about the 2014 ICM application update in recent days and weeks. It's become clear that there are several major decisions that need to be made in the immediate term. These will affect the process and deliverables over the next seven weeks, and will directly lead into the success of the 2014 phase of the application.

The PM team, of course, continues to work late nights to keep the 2014 Execution Work Program on track for publication in early July.

Up until now, the Asset Management team has been finalizing the 2014 work plan, which was completed this week. With the completion of that step, it is now possible to move on with other consequential update tasks. To allow this work to proceed efficiently and on schedule, several issues need to be clarified, including:

1. the scope of evidence to be updated,
2. updates required to supporting information and statistics,
3. financial tolerances for 2014 and 2015, and
4. the effect of 2013-to-2014 carry-over jobs on the work proposed for 2014.

Meeting next week

We had planned to have a status-update call next week, but I now believe that there are more substantial issues to discuss, and would suggest that a more full meeting is required. Please pardon the short notice, but I think that an effective, collective discussion will benefit everyone involved.

Kristen will be sending around an invitation on Monday morning for a meeting earlier in the week. I would very much appreciate it if you did your best to attend, at least in part. We will circulate an agenda and some supporting materials in advance.

Thank you as always for your ongoing efforts, and have a great weekend,
Rob

Rob Barrass

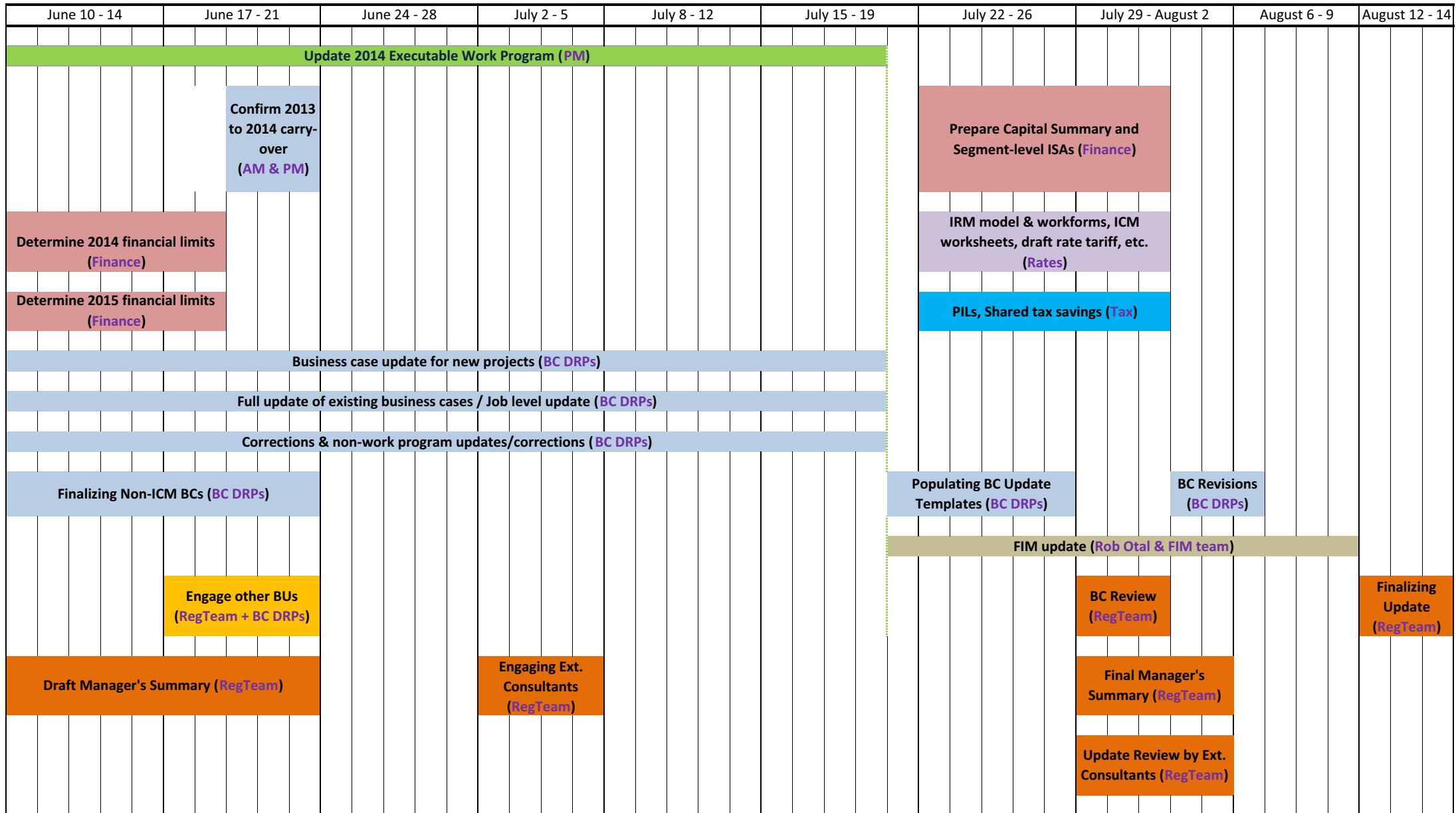
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2014 ICM UPDATE: SCHEDULE FOR RESOLVING MAJOR BUSINESS CASE ISSUES



Rob Barrass - ICM 2014 UPDATE: Business Case Templates Now Available in ProjectWise

From: Matthew Higgins
To: Arnold Manuepillai; Bahrnesh Tekle; Ben Sheng; Bojan Grabovac; Chri...
Date: 03/07/2013 9:48 AM
Subject: ICM 2014 UPDATE: Business Case Templates Now Available in ProjectWise
CC: Amanda Klein; Anna-Christina Crespo; Daliana Coban; Dmitry Balashov; ...
Attachments: 2014 IRM DRP List [2013-07-02] [Finalized]_1.xlsx

Greetings All,

This email is to notify business case DRPs of the availability of the **2014 ICM business case update templates** in ProjectWise.

You will find the business case templates in the following ProjectWise path:

pwwdesc://MSSVR09:PWPROD/Documents/Toronto Hydro Electric System Limited/Electricity Distribution Rate Filing/2012 IRM - Tab09_2014Update/Tab 03 - B_BCsforICMProjects

I am forwarding the finalized list of DRPs (attached to this email for reference) to Anna-Christina Crespo to ensure that all users have appropriate access.

PURPOSE

These templates are intended to provide guidance to DRPs on the appropriate level of detail for the 2014 update. In general, the business case updates will be treated as simplified 'riders' to the previously approved ICM business cases. DRPs should treat segment-level information as having been adequately justified and approved by the Board in Phase 1. Hence, assuming there are no changes at the segment level, the only information included should be that which is uniquely relevant to the 2014 program.

CONTENT

In general, the following information should not be included in the updates:

- Segment level description, justification, narrative and other supporting evidence that is not uniquely relevant to 2014
- Lists of 2012 and 2013 jobs
- 2012 and 2013 job-level descriptions/justifications

With that said, DRPs should review the entire business case while preparing the rider. If there are material inaccuracies in the segment-level information (e.g., factual statements that are no longer true or could mislead readers due to changing circumstances), please raise them with Regulatory. We will help you determine how to address them in the rider.

The business cases should touch on the following items:

- What are the details of the 2014 work program (aggregate \$ and, where appropriate, job level details and \$)?
- Does the 2014 work program deviate from the originally filed evidence? How and why?
- If the original business case contained job-level descriptions, please include descriptions for 2014 in the same format and with updated supporting evidence (e.g. reliability data).

- If the original business case used the FIM methodology for the business case evaluation section, or if it included any other evaluation/justification/descriptive information that incorporated data from specific 2014 jobs, then this information must also be updated for consistency.
- Any segment-level supporting evidence (e.g., reliability data charts) that remains in the business case should be updated to the same level as job-specific supporting evidence. For example, if reliability data was provided at a segment level up until early 2012, that data should be updated to cover the same time period as other reliability data in the rider.

Note: Jobs carrying-over or being deferred into the 2014 execution work program that were previously approved by the Board as 2012 and/or 2013 jobs in the originally filed evidence should NOT be included in the list of 2014 jobs.

TIMELINE

With the exception of FIM information, business cases must be completed in ProjectWise by end-of-day July 26. As we are on a tight timeline for the ICM update, we would appreciate receiving draft updates for review as soon as possible, including drafts of any significant narrative elements that can be created without reference to the finalized 2014 work program. Regulatory will be doing a final review of business cases over the weekend of July 27, with the intention of having all necessary revisions completed and the business cases finalized (not including FIM) by end-of day August 6. (Planned completion for FIM updates is August 9.)

Please do not hesitate to contact me if you have any questions or concerns.

Thanks,

Matthew Higgins

Regulatory Affairs Consultant | Toronto Hydro

14 Carlton St. | 8th floor

Office: 416-542-2649

Mobile: 416-450-2713

ICM Project: 2014 Update | PILC Piece-Outs and Leakers Segment

SUMMARY OF CHANGES FOR 2014 UPDATE

- # of Jobs increased/decreased and why
- \$ amount increase/decrease and why
- Major reasons for any changes to segment
- Any particularly noteworthy additions, developments, etc. (e.g. Added high profile job, safety incident makes this even higher priority, etc)

[NTD: Do not revise information regarding 2012 or 2013 jobs]

I OVERVIEW OF 2014 UPDATE

1. The 2014 Work Program

Update the following consolidated cost estimate table and include a brief description [in place of these instructions] of how it changed from originally filed evidence (i.e. # of jobs in 2014 and aggregate dollars vs. originally filed evidence). Only jobs being executed in 2014 should be included.

*REMINDER: Carry-over or deferred jobs being executed in 2014 that were approved for execution in 2012 and/or 2013 as part of the IRM/ICM Phase 1 application should **not** be included in the update.*

Table 1: Piece Out and Leaker Jobs*

Job Estimate Number	Job Title	Units	Job Year	Total Estimated Cost (\$M)
21216	Carlaw Station Piece Out and Leakers	24	2013	0.51
21217	Leaside Station Piece Out and Leakers	21	2013	0.18
21218	Esplanade Station Piece Out and Leakers	12	2013	0.11

ICM Project: 2014 Update | PILC Piece-Outs and Leakers Segment

Job Estimate Number	Job Title	Units	Job Year	Total Estimated Cost (\$M)
21219	Glengrove Station Piece Out and Leakers	15	2012	0.29
21220	Cecil Station Piece Out and Leakers	17	2012	0.20
21221	Duplex Station Piece Out and Leakers	41	2012	0.61
21222	Main Station Piece Out and Leakers	31	2012	0.58
19798	Windsor Station Piece Out and Leakers II	8	2013	2.24
19554	Terauley Station Piece Out and Leakers	49	2012	0.76
24688	Bridgman Station Piece Out and Leakers	17	2014	0.17
24703	Gerrard Station Piece Out and Leakers	12	2014	0.10
24706	Basin Station Piece Out and Leakers	3	2014	0.05
24711	4kV Stations Piece Out and Leakers	103	2014	1.15
2012 – 2013 Total				5.5M

23 **Note: This was Table 3 in the previous filing*

24

25 **2. Detailed Description of Changes**

26 *Discuss all notable changes from originally filed evidence. Recommended content includes:*

27 1) New jobs, removed jobs

28 a) e.g. “THESL has added 2 jobs to this segment. These are important because they are
 29 at very high risk of failure. They were not originally included because they were not
 30 among the units inspected, or their status has significantly degraded since their last
 31 inspection in 2012, etc”

ICM Project: 2014 Update | PILC Piece-Outs and Leakers Segment

32 b) e.g. “THESL has removed 3 jobs from this segment. Given THESL’s limited resources,
33 THESL will plan to complete these jobs in 2015.”

34

35 2) Specific material changes in budget estimates and/or job scopes and why

36 a) e.g. “Job X was described as involving work A, B, and C. However, given that the TTC’s
37 construction plan changed, the job will now only require work A and B.”

38 b) e.g. “Job X was described as costing A. However, with the reduced scope, it now costs
39 B.”

40 3) Specific detailed updates to any particular section of the originally filed narrative

41 a) e.g. “In section X of THESL pre-filed evidence, THESL described an incident
42 involving an exploding widget. Since that time, 6 similar incidents have
43 occurred, as described below”

44 b) e.g. “In section Y, THESL described the efficiency of replacing a certain level of
45 assets. Given the revised program for 2014, the efficiency of this replacement
46 program, while directionally accurate, is slightly revised as follows”

47 c) e.g. “The figures (or maps of assets being replaced, etc), originally included as
48 Tables 1 and 2 in the originally filed evidence, have been updated for 2014
49 replacements and are presented below (Table 1, previously on page X [TABLE],
50 Table 2, previously on page Y [TABLE], etc)

51

52 II JOB-LEVEL UPDATES

53

54 2014 Job Descriptions

55 *For segments where job level descriptions were given in the previous filing, include 2014 job level*
56 *descriptions and justifications here, in the same format as originally filed. Include updated*
57 *reliability data and other supporting materials.*

58

59 III Business Case Evaluation Update

ICM Project: 2014 Update | **PILC Piece-Outs and Leakers Segment**

- 60 *For segments that used the FIM methodology, update the business case evaluation section.*
- 61 *Other types of business case evaluations (e.g. Present Value of Options in the PILC segment)*
- 62 *should be updated if doing so will ensure clarity and consistency between this and the previously*
- 63 *filed evidence.*

Rob Barrass - Final 2014 ICM Business Cases

From: Rob Barrass
To: Anthony Policicchio; Chris Kerr; Guillaume Paradis; Jack Simpson; Mi...
Date: 16/08/2013 11:18 AM
Subject: Final 2014 ICM Business Cases
CC: Amanda Klein; Angela Rouse; Anna-Christina Crespo; Anthony Lam; Ashe...

Good morning all,

Thanks to the hard work of your teams, the 2014 ICM business cases have been populated, polished, and are almost ready to be published. Your staff all deserve great credit for the long hours they have (and continue to) put into this filing.

As the schedule has unfolded, we have had to delay filing until the beginning of next week, to allow our external business case consultants sufficient time with the near-final product. This should not cause problems, but we still need to file as soon as possible (hopefully Monday).

Witness/DRP Review - Business cases

Some of you have been more intimately involved in the preparation of the business cases than others. Since it may ultimately fall on you to speak to them in subsequent stages of the 2014 case, I want to be sure that you've had an opportunity to review them and raise any last minute issues with Regulatory and your teams.

The "pre-final" drafts are on ProjectWise, here: pwname://MSSVR09:PWPROD/Documents/THESL/EDR/2012 IRM - Tab09_2014Update/Tab 03 - B_BCforICMProjects

(If you do not have easy ProjectWise access at the moment, Anna can send you copies of any cases you require.)

Manager's Summary (2014 Update)

The near-final draft of the Manager's Summary is also on ProjectWise, here: pwname://MSSVR09:PWPROD/Documents/THESL/EDR/2012 IRM - Tab09_2014Update/Tab 01 - ManagersSummary/Schedule 01 - Manager's Summary

Recent drafts of the Manager's Summary update have been circulated. This version is still subject to some slight revisions, but is very close to final. Some of the figures and number may need to be teed-up with Finance's final amounts, and some narrative tinkering may still happen, but it is very close. If you have not already reviewed the Manager's Summary drafts, this will also be worthy of your review.

Reviewing the business cases should not be a huge endeavour, as they are generally not very long and you are likely already familiar with them. If you have any last-minute comments, we would appreciate receiving them before Monday morning.

Many thanks — do not hesitate to call if you have any questions.
Rob

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Toronto Hydro-Electric System Limited
EB-2012-0064
Tab 10C - Schedule 10 -5
Appendix G
Filed: 2013 Nov 21

Regulatory Update



IRM/ICM Rates Application



Regulatory Strategy

Current



2006-2011

2012-2013

2014



3rd Generation IRM Framework (current model)

- After one Cost of Service year, rates set annually for the next three years using the following formula:

Previous year rates \times a Price Cap Index (“PCI”), where the PCI is defined as: Inflation minus a pre-determined Productivity Factor minus a pre-determined Stretch Factor:

- The Productivity Factor = 0.72% for all utilities
 - The Stretch Factor = 0.60% for Toronto Hydro
- The framework includes the availability of an “Incremental Capital Module” (ICM) for additional critical capital expenditures
 - The framework includes “off-ramps” for early rebasing, should ROE fall below acceptable level (+/- 300 basis points)



IRM/ICM Phase 2 (2014)

Form/Content of Application:

- continuation of same application as 2012/2013; THESL seeking approval for the same types of work as in 2012/2013
- following phase 1 decision (received in April and May), THESL undertook an update to its evidence to reflect the passage of time (since filing the original application in May 2012), and to leverage OEB commentary provided in phase 1 decision



IRM/ICM Phase 2 (2014) - Summary

	2013 (Approved)	2014 (Application)
CAPEX	\$380.2M	\$327.2M
Copeland Station	\$104.0M	\$71.6M
Total CAPEX	\$484.2M	\$398.8M
Rate Impact (\$)	\$1.22	\$1.06
Rate Impact (%)	1.0%	0.8%



IRM/ICM Phase 2 (2014) – Process

Filing/Hearing Process:

- THESL is filing an evidence update in August
- company will continue to seek an expedited process to receive a decision from the OEB ASAP
- OEB will determine timelines for this proceeding: interrogatories and a settlement conference, and will also determine whether an oral hearing is necessary
- timing of phase 2 decision will be driven by OEB timelines for the process



RESPONSES TO SCHOOL ENERGY COALITION ON PHASE 2, ISSUE 3

1 **INTERROGATORY 6:**

2 **Reference(s): Exhibit Tab 9, S A1**

3

4 Please provide columns to show 2015 (and if necessary 2016) in-service additions
5 resulting for 2012-2013 approved capital expenditures, and 2014 proposed expenditures.

6

7 **RESPONSE:**

8 THESL forecasts that all 2012-2013 approved capital expenditures will be in-service by
9 2014. Please refer to the response to Board Staff interrogatory 3 for 2014 in-service
10 forecast by segment. THESL's estimated in-service rate for proposed 2014 capital
11 expenditures is presented in Table 1 (Tab 9, Schedule A1). THESL expects that the
12 remainder of its proposed 2014 capital expenditures will come into service following the
13 ICM period, and has not yet created its detailed work program for the years 2015 and
14 beyond.

**RESPONSES TO VULNERABLE ENERGY CONSUMERS
COALITION ON PHASE 2, ISSUE 3**

1 **INTERROGATORY 1:**

2 **Reference(s): Exhibit Tab 9, Schedule 9, pg. 11/ Schedule A1**

3 **Exhibit Tab 4, Schedule A, Appendix 1 (Updated Oct 31, 2012)**

4

5 In May 2012 THESL provided a comprehensive proposed schedule of ICM project costs
6 for each of 2012 through 2014. For each 2014 project for which the cost estimate has
7 increased by 10% or more please provide the new information acquired between May
8 2012 and the filing of the Phase 2 application which resulted in an update to the project
9 costs. In fulfilling this interrogatory please describe how and when the new information
10 was acquired and how the new information meets the ICM criteria.

11 [For example, since the original filing THESL identified 19 new jobs for underground
12 infrastructure (T9/SB). How were these projects identified and why were they not known
13 in May 2012?]

14

15 **RESPONSE:**

16 The following 2014 ICM segment cost estimates increased by 10% or more:

17

18 **B2 Paper Insulated Lead Covered Cable – Piece Outs and Leakers**

19 In the Phase 2 evidentiary update, the type of work in the B2 segment was split into two
20 separate groups of work: piece outs and leakers totalling \$0.865M (in service 2014) and
21 Bridgman High Level Feeder Ties totalling \$2.68M (in service 2014), which totals
22 \$3.5M.

23

RESPONSES TO VULNERABLE ENERGY CONSUMERS COALITION ON PHASE 2, ISSUE 3

1 In the May 2012 filing, only piece out and leaker jobs were identified, totalling \$1.47M.
2 Therefore, there was a \$0.61M decrease for piece outs and leakers projects from the
3 originally filed 2012-2013 evidence in terms of 2014 in service amounts.

4
5 The addition of \$2.68M for the Bridgman High Level tie feeder replacement civil work
6 appears to be an increase in the overall cost of the segment, however this work is not an
7 addition to the segment, as it was approved (but not funded) in Phase 1. As described in
8 the response to AMPCO Interrogatory 8 and in the updated 2014 segment (Tab 9,
9 Schedule B2), this amount is in respect of 2014 in-service additions for work that was
10 approved in Phase 1, but for which no ICM rider funding was established due to an
11 administrative error.

B3 Handwell Replacement

12
13 THESL has added a total of 1,469 handwell units to the 2014 ICM work program.
14 Approximately 819 of these are additional units identified in the field; THESL's record at
15 the time of the Phase 1 filing did not indicate the existence of the 819 additional
16 locations. These units were discovered when crews conducted audits in the field, at which
17 point they were added to the program.
18

19
20 The other 650 units are located in areas that were subject to City moratoriums at the time
21 of the Phase 1 filing. As these moratoriums have now been lifted, THESL is permitted to
22 undertake the necessary excavation of sidewalks and pavement needed to complete
23 handwell replacement at these locations.

24
25

RESPONSES TO VULNERABLE ENERGY CONSUMERS COALITION ON PHASE 2, ISSUE 3

1 **B4 Overhead Infrastructure**

2 Please refer to the response to EP interrogatory 8 and AMPCO interrogatory 10.

3

4 **B6 Rear Lot Construction**

5 The table below lists the changes to the jobs in segment B6, and the reason(s) for these
 6 changes:

Job Title	August 2014 Filing			May 2012 Filing			Description of Change
	Year	Estimate Number	Cost Estimate (\$M)	Year	Estimate Number	Cost Estimate (\$M)	
W11726-Markland Woods Rear Lot VC Phase 1 (Civil)	2014	21484	\$5.85	2014	21484	\$5.63	N/A
W11726-Markland Woods Rear Lot VC Phase 1 (Electrical)	2014	25424	\$3.13	2014	24945	\$5.40	The cost variance is due an administrative error in the May 2012 filing.
W14674-P07-Markland Woods Rearlot Conversion Ph4 (Civil)	2014	28608	\$3.00	N/A	N/A	N/A	Job added in 2014 in order to coordinate with City road and water work in the job area. If the job is not completed in 2014, it would have to be completed in 2021 after the expiration of the City road moratorium.
W13017-Rear Lot #011 Ph#1 Electrical VC	2014	20701	\$1.44	2013	20726	\$1.45	Deferred from 2013 to 2014. Job could not be completed in 2013 due to operational constraints.
W13020-Thorncrest (#011) RL VC Ph#5 Electrical	2014	24944	\$1.26	2013	21186	\$2.43	Deferred from 2013 to 2014. Job could not be completed in 2013 due to operational constraints. The cost variance is due to an administrative error in the May 2012 filing. The correct cost estimate and estimate number are presented in this filing.
Total			\$14.68			\$14.91	

7

**RESPONSES TO ONTARIO ENERGY BOARD STAFF
INTERROGATORIES ON PHASE 2, ISSUE 4**

1 **INTERROGATORY 18:**

2 **Reference(s): T9, S1, pp. 8-11**

3

4 Please state whether or not the reprioritization (inclusive of job substitutions, deletions
5 and addition) of work activities within a specific segment (or project) discussed in
6 “Confirmation of ICM Monitoring and Tracking Requirements” will ultimately result in
7 changes to the final capital cost from the Board-approved amount for that particular
8 segment.

9

10 **RESPONSE:**

11 Reprioritization may result in changes to the final capital costs of a particular project
12 segment, but THESL submits that such variances are categorically similar to expected
13 forecasting variances, and can therefore appropriately be addressed through the true-up
14 process.

15

**RESPONSES TO ONTARIO ENERGY BOARD STAFF
INTERROGATORIES ON PHASE 2, ISSUE 4**

1 **INTERROGATORY 19:**

2 **Reference(s): T9, S1, pp. 8-11**

3

4 Please state how THESL believes inter-segment cost changes due to reprioritization
5 would be distinguishable from cost overruns within a segment?

6

7 **RESPONSE:**

8 THESL does not propose or interpret the OEB's Phase 1 Decisions as contemplating
9 inter-segment cost changes. Put another way, THESL does not propose to remove a job
10 from one segment as a counter-balance for the addition of a job in another segment.

11

12 At true-up, THESL does not anticipate confusion between segment-level cost overruns
13 and segment-level cost variances due to changes to the capital work completed within a
14 segment. THESL tracks the execution and cost of the work done within each ICM
15 segment.

16

17 Given the scale and complexity of its capital work program and the complexity of the
18 urban environment in which it operates, THESL expects that there will be a level of
19 variation between the ICM work filed in both phases of this application and the actual
20 work done. There will also be variances between the forecast costs of that work and
21 actuals. THESL believes that the OEB recognized this reality in the Phase 1 Decision,
22 where it ruled that it "will allow spending to be moved between two jobs of this kind that

RESPONSES TO ONTARIO ENERGY BOARD STAFF INTERROGATORIES ON PHASE 2, ISSUE 4

- 1 fall under the same project, but not between two projects, such as B1 and B4 for
- 2 instance.”¹

¹ In this instance, the OEB has defined “projects” as referring to ICM segments. In the context of this application, THESL uses the term “projects” as a higher order of capital work – “segments” are more granular (e.g., B1 and B4 are ICM segments).

**RESPONSES TO ONTARIO ENERGY BOARD STAFF
INTERROGATORIES ON PHASE 2, ISSUE 4**

1 **INTERROGATORY 20:**

2 **Reference(s): T9, S1, pp. 8-11 and**
3 **T9, Sch A1, p. 1**

4
5 Please identify the nature and associated amount of the expected changes due to
6 reprioritization within the various segments as outlined in the second reference and
7 provide the estimated cost variance impact on the requested ICM incremental revenue
8 requirement of each reprioritization.

9

10 **RESPONSE:**

11 The first reference refers to the potential reprioritization of work due to the necessarily
12 dynamic nature of THESL's capital program. As THESL has stated throughout this
13 application, any given work program is a "snapshot in time." In the first reference,
14 THESL describes how it faces certain operational realities in the ordinary course of
15 executing its capital work program. As described in the Addendum to the Manager's
16 Summary, filed October 31, 2012 (Tab 2, Addendum), THESL operates in a mature,
17 congested urban environment. The complexities of this reality mean that, during the
18 process of creating a detailed work program or during execution of a job, it may become
19 necessary to change the sequence in which jobs are completed.

20

21 In undertaking jobs, THESL must contend with complexities including the intensification
22 of development (like condominium complexes, the Pan-Am Games, and waterfront
23 redevelopment), limited space for utility equipment installation, over a century of
24 previous construction by various agencies often with missing or inaccurate historical
25 records, and coordination with other City and utility reconstruction programs.

26

**RESPONSES TO ONTARIO ENERGY BOARD STAFF
INTERROGATORIES ON PHASE 2, ISSUE 4**

1 For the reasons noted above, it is not possible for THESL to identify an amount of
2 expected changes due to reprioritization. The ICM work program in THESL's Phase 2
3 evidentiary update reflects the company's current planned work in these segments for
4 2014. Any necessary reprioritization that may occur while executing that plan, and any
5 impact on ICM incremental revenue requirement, can be addressed when the ICM work
6 program is trued-up during THESL's next rebasing application.

**RESPONSES TO ONTARIO ENERGY BOARD STAFF
INTERROGATORIES ON PHASE 2, ISSUE 4**

1 **INTERROGATORY 21:**

2 **Reference(s):** **T9, S1, p. 1 and**

3 **EB-2012-0064 Decision and Order (May 9, 2013), Appendix E,**
4 **Schedule 2**

5

6 In light of the name change of the Bremner Transformer Station project noted in the first
7 reference to the Copeland Transformer Station project, please update and revise the Draft
8 Accounting Order in the second reference to reflect name changes to the six sub-accounts
9 entitled “Bremner...” to “Copeland (Formerly Bremner)...”

10

11 **RESPONSE:**

12 Please see attached an updated version of Appendix E, Schedule 2

Proposed Sub-Accounts - Regulatory Asset Account 1508 - Other Regulatory Assets

Sub-account Name	Purpose
Incremental Capital Expenditures - Underground Infrastructure	To record the in-service asset costs for this named project
Incremental Capital Expenditures - PILC Piece Outs and Leakers	To record the in-service asset costs for this named project
Incremental Capital Expenditures - Handwell Replacment	To record the in-service asset costs for this named project
Incremental Capital Expenditures - Overhead Infrastructure	To record the in-service asset costs for this named project
Incremental Capital Expenditures - Box Construction	To record the in-service asset costs for this named project
Incremental Capital Expenditures - Rear Lot Construction	To record the in-service asset costs for this named project
Incremental Capital Expenditures - Network Vault & Roofs	To record the in-service asset costs for this named project
Incremental Capital Expenditures - Fibertop Network Units	To record the in-service asset costs for this named project
Incremental Capital Expenditures - Automatic Transfer Switches (ATS) & Reverse Power Breakers (RPB)	To record the in-service asset costs for this named project
Incremental Capital Expenditures - Stations Power Transformers	To record the in-service asset costs for this named project
Incremental Capital Expenditures - Stations Switchgear - Muncipal and Transformer Stations	To record the in-service asset costs for this named project
Incremental Capital Expenditures - Copeland (formerly Bremner) Transformer Station	To record the in-service asset costs for this named project
Incremental Capital Expenditures - Metering	To record the in-service asset costs for this named project
Incremental Capital Expenditures - Externally-Initiated Plant Relocations and Expansions	To record the in-service asset costs for this named project
Incremental Capital Expenditures - Amortization Expense - Underground Infrastructure	To record the amortization expense for this named project
Incremental Capital Expenditures - Amortization Expense - PILC Piece Outs and Leakers	To record the amortization expense for this named project
Incremental Capital Expenditures - Amortization Expense - Handwell Replacment	To record the amortization expense for this named project
Incremental Capital Expenditures - Amortization Expense - Overhead Infrastructure	To record the amortization expense for this named project
Incremental Capital Expenditures - Amortization Expense - Box Construction	To record the amortization expense for this named project
Incremental Capital Expenditures - Amortization Expense - Rear Lot Construction	To record the amortization expense for this named project
Incremental Capital Expenditures - Amortization Expense - Network Vault & Roofs	To record the amortization expense for this named project
Incremental Capital Expenditures - Amortization Expense - Fibertop Network Units	To record the amortization expense for this named project
Incremental Capital Expenditures - Amortization Expense - Automatic Transfer Switches (ATS) & Reverse Power Breakers (RPB)	To record the amortization expense for this named project
Incremental Capital Expenditures - Amortization Expense - Stations Power Transformers	To record the amortization expense for this named project
Incremental Capital Expenditures - Amortization Expense - Stations Switchgear - Muncipal and Transformer Stations	To record the amortization expense for this named project
Incremental Capital Expenditures - Amortization Expense - Copeland (formerly Bremner) Transformer Station	To record the amortization expense for this named project
Incremental Capital Expenditures - Amortization Expense - Metering	To record the amortization expense for this named project
Incremental Capital Expenditures - Amortization Expense - Externally-Initiated Plant Relocations and Expansions	To record the amortization expense for this named project
Incremental Capital Expenditures - Accumulated Amortization - Underground Infrastructure	To record the accumulated amortization for this named project
Incremental Capital Expenditures - Accumulated Amortization - PILC Piece Outs and Leakers	To record the accumulated amortization for this named project
Incremental Capital Expenditures - Accumulated Amortization - Handwell Replacment	To record the accumulated amortization for this named project
Incremental Capital Expenditures - Accumulated Amortization - Overhead Infrastructure	To record the accumulated amortization for this named project
Incremental Capital Expenditures - Accumulated Amortization - Box Construction	To record the accumulated amortization for this named project
Incremental Capital Expenditures - Accumulated Amortization - Network Vault & Roofs	To record the accumulated amortization for this named project
Incremental Capital Expenditures - Accumulated Amortization - Fibertop Network Units	To record the accumulated amortization for this named project
Incremental Capital Expenditures - Accumulated Amortization - Automatic Transfer Switches (ATS) & Reverse Power Breakers (RPB)	To record the accumulated amortization for this named project
Incremental Capital Expenditures - Accumulated Amortization - Stations Power Transformers	To record the accumulated amortization for this named project
Incremental Capital Expenditures - Accumulated Amortization - Stations Switchgear - Muncipal and Transformer Stations	To record the accumulated amortization for this named project
Incremental Capital Expenditures - Accumulated Amortization - Copeland (formerly Bremner) Transformer Station	To record the accumulated amortization for this named project
Incremental Capital Expenditures - Accumulated Amortization - Metering	To record the accumulated amortization for this named project
Incremental Capital Expenditures - Accumulated Amortization - Externally-Initiated Plant Relocations and Expansions	To record the accumulated amortization for this named project
Incremental Capital Expenditures - Carrying Charges - ICM Expenditures	To record carrying charges on monthly opening balances of Total non-Copeland (formerly Bremner) ICM expenditures
Incremental Capital Expenditures - Carrying Charges - Copeland (formerly Bremner) Expenditures	To record carrying charges on monthly opening balances for Copeland (formerly Bremner) expenditures
Incremental Capital Expenditures - ICM Rate Rider Revenue	To record revenue collected from 2013 ICM rate riders
Incremental Capital Expenditures - Copeland (formerly Bremner) Rate Rider Revenue	To record revenue collected from 2013 Copeland (formerly Bremner) rate rider
Incremental Capital Expenditures - Carrying Charges - ICM Rate Rider Revenue	To record carrying charges on monthly balances of ICM rate rider revenues
Incremental Capital Expenditures - Carrying Charges - Copeland (formerly Bremner) Rate Rider Revenue	To record carrying charges on monthly balances of Copeland (formerly Bremner) rate rider revenues

RESPONSES TO CONSUMERS COUNCIL OF CANADA ON PHASE 2, ISSUE 4

1 **INTERROGATORY 6:**

2 **Reference(s):** **Partial Decision and Order dated April 2, 2013**

3

4 The Board approved In-Service Addition amounts for 2012 and 2013. THESL, during
5 Phase 1, indicated that if it should fail to complete any portion of the work approved by
6 the Board, ratepayers would be protected with an appropriate adjustment at the time of
7 the true-up. To the extent THESL has spent more than approved for each segment, how
8 will those amounts flow through to rates? Is its THESL's view that as long as a
9 particular segment was approved it is free to spend beyond the original forecast, and that
10 those expenditures should be deemed prudent? If not, how and when will the prudence
11 of those amounts be considered by the Board?

12

13 **RESPONSE:**

14 THESL's view is that the OEB has ruled on the rate treatment of both under-spend and
15 prudent over-spend in its Accounting Order issued on May 9, 2013. As per the
16 Accounting Order, at the time of true-up in conjunction with its next rebasing application:

17 "THESL will recalculate the revenue requirement impacts (using the
18 ICM workform) based on the actual in-service assets (used and
19 useful) in Board-approved ICM segments... The recalculated revenue
20 requirement on an actual basis will be compared to the ICM rate
21 rider revenues accrued for the same period to determine the
22 variances (i.e., under-spend or prudent over-spend amounts, which
23 will be subject to Board review). These variance amounts will be
24 refunded to or collected from customers through a separate rate rider
25 at the time of THESL's next rebasing application." (Accounting
26 Order, Dated May 9, 2013, pages 2 and 3, emphasis added).

**RESPONSES TO CONSUMERS COUNCIL OF CANADA
ON PHASE 2, ISSUE 4**

1 In other words, the OEB has ruled that overspend is allowed to the extent that
2 it is prudent. In THESL's view, it follows from the Accounting Order and
3 from Chapter 2 of the OEB's *Filing Requirements for Electricity Distribution*
4 *Rate Applications* (Section 2.5.2.6, Addition of ICM Assets to Rate Base) that
5 the OEB may consider any over-spend or under-spend within a segment as
6 part of the true-up process during THESL's next rebasing application.

**RESPONSES TO CONSUMERS COUNCIL OF CANADA
ON PHASE 2, ISSUE 4**

1 **INTERROGATORY 7:**

2 **Reference(s):** **Partial Decision and Order dated April 2, 2013**

3

4 Please describe the process (monitoring and tracking) THESL envisions with respect to
5 assessing what 2012, 2013 and 2014 ICM spending should ultimately be included in
6 ratebase.

7

8 **RESPONSE:**

9 Please see response to CCC Interrogatory 6.

**RESPONSES TO CONSUMERS COUNCIL OF CANADA
ON PHASE 2, ISSUE 5**

1 **INTERROGATORY 8:**

2 **Reference(s):** **Exhibit Tab 9, Schedule 1, p. 3**

3

4 The evidence states that since actual in-service amounts for 2013 are not available at the
5 time of preparing this evidentiary update, for the purposes of Phase 2, THESL is filing
6 CWIP amounts resulting from approved 2012 and 2013 ICM projects on the same basis
7 as in its Phase 1 evidence, and relying on the true-up process to address any variances.

8 Please provide the most recent information available regarding all 2013 in-service dates.

9

10 **RESPONSE:**

11 Please refer to Board Staff Interrogatory 3 for 2013 YTD actuals and forecast in-service
12 dates.

**RESPONSES TO CONSUMERS COUNCIL OF CANADA
ON PHASE 2, ISSUE 5**

1 **INTERROGATORY 9:**

2 **Reference(s):** **Exhibit Tab 9, Schedule 1, p. 7**

3

4 Please provide a detailed calculation which explains how THESL arrived at the \$163.8
5 million threshold (including the deadband).

6

7 **RESPONSE:**

8 The calculation of the ICM threshold value is shown in the ICM workforms, found in Tab
9 9, Schedules D1 and D2, page 11.

**RESPONSES TO CONSUMERS COUNCIL OF CANADA
ON PHASE 2, ISSUE 5**

1 **INTERROGATORY 10:**

2 **Reference(s):** **Exhibit Tab 9, Schedule 1, p. 14, Table 1**

3

4 Please update Table 1 to include the most recent forecast of 2012 and 2013 capital
5 expected to be in-service in 2014. Also, please include a column that sets out 2014
6 Capex (In-Service in 2014), as forecast in the original application.

7

8 **RESPONSE:**

9 Please refer to the response to Board Staff Interrogatory 3 for the most recent forecast of
10 2012 and 2013 capital expected to be in-service in 2014.

11

12 Table 1 presents the total 2014 in-service capital. The original (May 2012) application
13 was filed based on total capital spending without consideration to in-service capital.
14 Therefore, Table 1 cannot be re-presented with the same information on a May 2012 as-
15 applied-for basis. Please refer to Board Staff Interrogatory 5 for a comparison of the
16 proposed capital spending between the Phase 2 August 2013 application and the May
17 2012 original application.

**RESPONSES TO CONSUMERS COUNCIL OF CANADA
ON PHASE 2, ISSUE 5**

1 **INTERROGATORY 11:**

2 **Reference(s):** **Exhibit Tab 9, Schedule 1, p. 19**

3

4 The evidence sets out total bill impacts of Transmission rates, ICM rate riders, IRM rate
5 riders and tax change rate riders. Please provide a schedule setting out the distribution
6 rate increases for each year 2012-2014 which includes only the impacts of the ICM rate
7 riders and the IRM rate riders. In effect, what are the impacts on rates from the IRM
8 adjustments and the ICM adjustments only?

9

10 **RESPONSE:**

11 Please see attached Appendix A.

	2012 Bill Impact ¹			2013 Bill Impact			2014 Proposed Bill Impact		
	\$/30 days	% on Delivery portion of Bill	% on Total Bill	\$/30 days	% on Delivery portion of Bill	% on Total Bill	\$/30 days	% on Delivery portion of Bill	% on Total Bill
Residential									
IRM	\$0.21	0.7%	0.2%	\$0.09	0.3%	0.1%	\$0.08	0.2%	0.1%
ICM	\$0.00	0.0%	0.0%	\$1.22	3.7%	1.0%	\$1.05	3.2%	0.8%
Combined	\$0.21	0.7%	0.2%	\$1.30	3.9%	1.1%	\$1.13	3.4%	0.9%
Competitive Sector Multi-Unit									
IRM	\$0.16	0.6%	0.3%	\$0.07	0.2%	0.1%	\$0.07	0.3%	0.1%
ICM	\$0.00	0.0%	0.0%	\$1.02	3.6%	1.6%	\$0.89	3.2%	1.3%
Combined	\$0.16	0.6%	0.3%	\$1.09	3.9%	1.7%	\$0.96	3.4%	1.4%
GS<50 kW									
IRM	\$0.47	0.7%	0.2%	\$0.20	0.3%	0.1%	\$0.19	0.3%	0.1%
ICM	\$0.00	0.0%	0.0%	\$2.77	3.7%	0.9%	\$2.42	3.3%	0.8%
Combined	\$0.47	0.7%	0.2%	\$2.97	4.0%	1.0%	\$2.61	3.6%	0.9%
GS 50-999 kW									
IRM	\$15.01	0.7%	0.1%	\$6.22	0.3%	0%	\$6.23	0.3%	0%
ICM	\$0.00	0.0%	0.0%	\$87.75	3.8%	0.4%	\$75.88	3.3%	0.4%
Combined	\$15.01	0.7%	0.1%	\$93.97	4.1%	0.5%	\$82.11	3.6%	0.4%
GS 1000-4999 kW									
IRM	\$58.47	0.7%	0.1%	\$24.24	0.3%	0.0%	\$24.34	0.3%	0.0%
ICM	\$0.00	0.0%	0.0%	\$342.22	3.8%	0.3%	\$295.86	3.3%	0.3%
Combined	\$58.47	0.7%	0.1%	\$366.46	4.1%	0.4%	\$320.21	3.6%	0.3%
Large User									
IRM	\$324.58	0.7%	0.1%	\$134.56	0.3%	0.0%	\$134.93	0.3%	0.0%
ICM	\$0.00	0.0%	0.0%	\$1,900.03	3.8%	0.3%	\$1,642.21	3.3%	0.3%
Combined	\$324.58	0.7%	0.1%	\$2,034.58	4.1%	0.4%	\$1,777.14	3.6%	0.3%
Streetlighting									
IRM	\$6,465.89	0.7%	0.3%	\$2,680.53	0.3%	0.1%	\$2,091.31	0.2%	0.1%
ICM	\$0.00	0.0%	0.0%	\$37,578.82	3.8%	1.8%	\$31,932.35	3.2%	1.5%
Combined	\$6,465.89	0.7%	0.3%	\$40,259.35	4.1%	1.9%	\$34,023.66	3.5%	1.6%
Unmetered Scattered Load									
IRM	\$0.19	0.7%	0.3%	\$0.08	0.3%	0.1%	\$0.07	0.3%	0.1%
ICM	\$0.00	0.0%	0.0%	\$1.10	3.9%	1.7%	\$0.96	3.4%	1.5%
Combined	\$0.19	0.7%	0.3%	\$1.18	4.1%	1.8%	\$1.04	3.6%	1.6%

Notes

¹: The 2012 IRM Impacts shown are based on an assumed implementation date of May 1, 2012. For THESL, these rates were implemented June 1, 2013, and are being recovered through the Foregone Revenue rate rider.

**RESPONSES TO CONSUMERS COUNCIL OF CANADA
ON PHASE 2, ISSUE 5**

1 **INTERROGATORY 12:**

2 **Reference(s):** **Exhibit Tab 9, Schedule 1, p. 19**

3

4 The evidence states, “THESL also makes this application within the context of the rates
5 horizon. In particular, this 2014 update is made in the context of the utility’s ongoing
6 capital needs, consideration of the additional non-ICM 2015 rate-impacts, and the
7 principle of rate-smoothing.” Please explain how this application addresses “rate-
8 smoothing”. THESL has referred to 2015 rate impacts. What are the levels of rate
9 increases expected for 2015?

10

11 **RESPONSE:**

12 Please see response to AMPCO Interrogatory 18.

**RESPONSES TO CONSUMERS COUNCIL OF CANADA
ON PHASE 2, ISSUE 5**

1 **INTERROGATORY 13:**

2 **Reference(s):** **Exhibit Tab 9, Schedule 1, p. 3**

3 **Exhibit Tab 9, Schedule A1**

4

5 The evidence states that THESL's requested 2014 ICM riders relate strictly to
6 expenditures, among other things, on the Copeland TS which will come into service in
7 2014. The approved amounts for 2012, 2013 and 2014 were \$8.5 million, \$81 million
8 and 34.6 million. What was actually spent in 2012? What is the current status of the
9 project and the most recent forecast for spending in 2013 and 2014? What is the
10 expected in-service date of the Copeland TS?

11

12 **RESPONSE:**

13 Actual spend for 2012 was approximately \$4.0 million.

14

15 The project is in the construction phase, with contracts having been issued for the
16 transformer station and cable tunnel. The most recent forecast indicates planned spending
17 of 30.1 million in 2013 and \$78.5 million in 2014.

18

19 The expected in-service date for Copeland TS is December 2014.

RESPONSES TO SCHOOL ENERGY COALITION ON PHASE 2, ISSUE 5

1 **INTERROGATORY 7:**

2 **Reference(s): Exhibit 9, Tab 1, page 5**

3

4 Please provide an update on the construction Copeland, including any changes in its
5 expected in-service date.

6

7 **RESPONSE:**

8 The planned in-service date for Copeland TS remains December 2014.

9

10 As of October 31, 2013, the building construction is in its excavation phase. The
11 following has been completed to date:

- 12 • Disassembly of Machine Shop
- 13 • Installation of perimeter shoring wall
- 14 • Bulk excavation of southern end of site
- 15 • Initiation of foundation structure at southern end of site

16

17 As of October 31, 2013, the tunnel construction is in its excavation phase for the tunnel
18 boring machine entry shaft. The following has been completed to date:

- 19 • Relocation of services conflicting with the shaft
- 20 • Installation of perimeter shoring wall for shaft
- 21 • Excavation of shaft below bedrock

22

23 Please see the response to Board Staff Interrogatory 11 for additional details.

**RESPONSES TO VULNERABLE ENERGY CONSUMERS
COALITION ON PHASE 2, ISSUE 5**

1 **INTERROGATORY 2:**

2 **Reference(s): Exhibit Tab 9, Schedule 9, pg. 11/ Schedule A1**

3 **Exhibit Tab 4, Schedule A, Appendix 1 (Updated Oct 31, 2012)**

4

5 Please update Appendix 1 (Tab 4, Oct 31) to show in the Summary of Capital Program:

6 a. Actual 2012 spending

7 b. 2013 revised forecast (if any)

8 c. 2014 spending

9 d. Total 3 year ICM project spending /costs.

10

11 **RESPONSE:**

12 Please see attached Appendix A.

Schedule Number	Projects	Segments	Phase 1: Approved				Phase 1: Actuals/Forecast					
			2012 Capex	2013 CapEx	Total for 2012 and 2013	2014 CapEx	Total for 2012, 2013, and 2014	2012 Capex	2013 Capex Forecast as at Jul 2013 (Annual)	2014 CapEx Forecast	Total	2013 Capex Actual (YTD Jun)
B1	Underground Infrastructure and Cable	Underground Infrastructure	28.75	58.94	87.70		87.70	28.95	53.07	5.68	87.70	17.62
B2		Paper insulated Lead Covered Cable - Piece Outs and Leakers	0.08	5.42	5.50		5.50	0.14	2.92	2.45	5.50	0.05
B3		Handwell Replacement	13.65	16.65	30.30		30.30	12.39	15.40	2.52	30.30	1.47
B4	Overhead Infrastructure and Equipment	Overhead Infrastructure	9.07	55.88	64.95		64.95	9.90	36.77	18.28	64.95	15.13
B5		Box Construction	0.58	23.04	23.62		23.62	0.05	12.46	11.11	23.62	2.75
B6		Rear Lot Construction	16.36	29.43	45.78		45.78	15.98	17.79	12.01	45.78	4.62
B9	Network Infrastructure and Equipment	Network Vault & Roofs	2.84	18.76	21.60		21.60	2.26	7.48	11.86	21.60	5.23
B10		Fibertop Network Units	1.48	7.71	9.19		9.19	1.30	5.70	2.18	9.19	3.19
B11		Automatic Transfer Switches (ATS) & Reverse Power Breakers (RPB)	-	3.26	3.26		3.26	-	1.48	1.78	3.26	0.28
B12	Station Infrastructure and Equipment	Stations Power Transformers	0.38	3.48	3.86		3.86	-	3.01	0.85	3.86	0.01
B13.1 & 13.2		Stations Switchgear - Municipal and Transformer Stations	1.73	13.72	15.44		15.44	1.26	6.15	8.03	15.44	0.74
B17	Bremner TS	Bremner Transformer Station	8.50	81.00	89.50	34.60	124.10	4.07	30.75	81.01	115.83	6.10
B18.2	Hydro One Capital Contributions	Hydro One Capital Contributions	-	23.00	23.00	37.00	60.00	-	18.43	41.80	60.23	18.24
B20	Metering	Metering	4.74	8.40	13.14		13.14	10.58	7.84	-	18.42	0.77
B21	Plant Relocations	Externally-Initiated Plant Relocations and Expansions	10.16	24.84	35.00		35.00	8.71	14.50	11.80	35.00	8.80
BXX	Engineering Capital	ICM Understatement of Capitalized Labour	8.32	-	8.32		8.32					
Total ICM Projects			106.63	373.53	480.17	71.60	551.77	95.58	233.75	211.37	540.69	85.00
B7	Overhead Infrastructure and Equipment	Polymer SMD-20 Switches	-	1.53	1.53		1.53	-	1.22	0.31	1.53	0.22
B8		SCADA-Mate R1 Switches	-	1.43	1.43		1.43	-	1.96	-	1.96	0.49
B14	Station Infrastructure and Equipment	Stations Circuit Breakers	0.76	0.55	1.31		1.31	0.22	1.03	0.06	1.31	0.11
B16		Downtown Station Load Transfers	0.68	2.14	2.82		2.82	0.05	1.24	1.52	2.82	0.03
B18.1	Hydro One Capital Contributions	Hydro One Capital Contributions	1.48	-	1.48		1.48	26.63	22.29	0.44	49.36	17.51
C1	Operations Portfolio Capital		64.78	81.63	146.41		146.41	63.44	88.77	-	152.21	37.39
C2	Information Technology Capital		22.00	15.00	37.00		37.00	23.20	17.00	-	40.20	5.99
C3	Fleet Capital		0.80	2.00	2.80		2.80	0.79	2.25	-	3.04	0.17
C4	Buildings and Facilities Capital		5.00	5.00	10.00		10.00	5.13	5.20	-	10.33	1.12
Normal Capital Expenditures			95.50	109.28	204.78	-	204.78	119.46	140.95	2.34	262.76	63.02
Total			202.13	482.82	684.95	71.60	756.55	215.04	374.70	213.71	803.44	148.02

1

**RESPONSES TO VULNERABLE ENERGY CONSUMERS
COALITION ON PHASE 2, ISSUE 5**

1 **INTERROGATORY 3:**

2 **Reference(s): Exhibit Tab 9, Schedule 1, pg.14**

3

4 a) Please provide a table showing the 2012 ICM project amount (see above) that was
5 in-service in 2013 and (separately) 2013 ICM projects currently in service or
6 forecast to be in-service by the end of 2013.

7

8 b) Please show all 2012 projects costs projected to be in-service in 2013 and
9 (separately) in service in 2014.

10

11 **Response:**

12 a) Please see below:

**RESPONSES TO VULNERABLE ENERGY CONSUMERS
 COALITION ON PHASE 2, ISSUE 5**

		Phase 1: Actuals		Phase 1: Forecast	
		In-Service		In-Service	
Schedule Number	Segments	2012 Capex Actual (In-Service in 2013) YTD Jun	2013 Capex Actual (In-Service in 2013) YTD Jun	2012 Capex Forecast as at July 2013 (In-Service in 2013 Annual)	2013 Capex Forecast as at July 2013 (In-Service in 2013 Annual)
B1	Underground Infrastructure	7.04	1.91	13.14	20.57
B2	Paper Insulated Lead Covered Cable - Piece Outs and Leakers	0.02	-	0.02	0.61
B3	Handwell Replacement	5.14	0.86	6.79	4.55
B4	Overhead Infrastructure	1.96	0.30	5.95	11.68
B5	Box Construction	-	-	-	1.18
B6	Rear Lot Construction	5.43	1.26	10.98	7.55
B9	Network Vault & Roofs	0.25	0.59	1.98	5.23
B10	Fibertop Network Units	0.34	1.55	0.34	5.32
B11	Automatic Transfer Switches (ATS) & Reverse Power Breakers (RPB)	-	-	-	1.48
B12	Stations Power Transformers	-	-	-	0.23
B13.1 & 13.2	Stations Switchgear - Municipal and Transformer Stations	-	-	0.25	1.07
B17	Copeland Transformer Station	1.54	0.54	1.54	0.54
B18.2	Hydro One Capital Contributions	-	-	-	-
B20	Metering	6.17	0.43	6.17	2.99
B21	Externally-Initiated Plant Relocations and Expansions	4.02	0.14	4.12	1.58
BXX	ICM Understatement of Capitalized Labour	-	-	-	-
Total ICM Projects		31.92	7.59	51.27	64.56

1
2

RESPONSES TO VULNERABLE ENERGY CONSUMERS COALITION ON PHASE 2, ISSUE 5

1 b) Please see below:

		Phase 1: Forecast	
		In-Service	
Schedule Number	Segments	2012 Capex Forecast as at July 2013 (In-Service in 2013 Annual)	2012 Capex Forecast as at July 2013 (In-Service 2014 Annual)
B1	Underground Infrastructure	13.14	8.99
B2	Paper Insulated Lead Covered Cable - Piece Outs and Leakers	0.02	-
B3	Handwell Replacement	6.79	2.71
B4	Overhead Infrastructure	5.95	3.49
B5	Box Construction	-	0.64
B6	Rear Lot Construction	10.98	3.41
B9	Network Vault & Roofs	1.98	1.12
B10	Fibertop Network Units	0.34	0.31
B11	Automatic Transfer Switches (ATS) & Reverse Power Breakers (RPB)	-	-
B12	Stations Power Transformers	-	0.41
B13.1 & 13.2	Stations Switchgear - Municipal and Transformer Stations	0.25	1.49
B17	Copeland Transformer Station	1.54	4.07
B18.2	Hydro One Capital Contributions	-	-
B20	Metering	6.17	-
B21	Externally-Initiated Plant Relocations and Expansions	4.12	5.15
BXX	ICM Understatement of Capitalized Labour	-	-
Total ICM Projects		51.27	31.78

2

RESPONSES TO ONTARIO ENERGY BOARD STAFF INTERROGATORIES ON PHASE 2, ISSUE 7

1 **INTERROGATORY 22:**

2 **Reference(s): T9, Sch B9, p. 2 and**
3 **T4, Sch B9, p.5**
4

5 The first reference from the Phase 2 application states that:

6 There are three roof rebuild jobs and two vault rebuild jobs scheduled for
7 the 2014 ICM work program. This differs from the two vault
8 decommissionings, six roof rebuilds and nine vault rebuilds in the
9 evidence for 2014 originally filed in May 2012. The total cost of the
10 proposed 2014 vault jobs is \$2.26 M, which represents a reduction of
11 \$13.3M from the estimated 2014 costs originally filed in May 2012.
12

13 The second reference from the Phase 1 application for the same segment states that:

14 The network vaults associated with the secondary network system were
15 constructed in the 1950s and 1960s, mainly beneath the sidewalks in the
16 busy downtown Toronto core. Today, there are many critical structural
17 issues inherent with the condition of these assets which must be addressed
18 immediately in order to mitigate potential safety risks to the public and to
19 THESL's workers, as well as the potential negative impact on the
20 reliability and prudent operation of THESL's distribution system. Under
21 the Network Vaults and Roofs segment, THESL proposes to eliminate
22 immediate structural vault deficiencies of 26 high risk vaults identified by
23 the ACA as being in "poor" or "very poor" condition in 2012-2013. This
24 segment includes decommissioning 3 vaults at an estimated cost of \$0.1M,
25 rebuilding 6 vault roofs at an estimated cost of \$2.2 million and

RESPONSES TO ONTARIO ENERGY BOARD STAFF INTERROGATORIES ON PHASE 2, ISSUE 7

1 completely rebuilding 17 vaults at an estimated cost of \$19.3M. The
2 estimated total cost of the segment over 2012-2013 is \$21.47M.

3
4 Please provide a full explanation for the significant reduction in the proposed spending
5 for this segment between Phase 1 and Phase 2 given the statement in the Phase 1
6 application referenced above regarding the many structural issues needing to be
7 addressed immediately to mitigate safety risks to the public and THESL's workers.
8 Please include a reconciliation of the Phase 1 reference to the need to eliminate
9 immediate structural vault deficiencies of 26 high risk vaults to the Phase 2 evidence
10 which appears to suggest a lower number of such vaults need to be replaced.

RESPONSE:

11
12
13 The structural deficiencies within all of these high risk vaults still need to be eliminated.
14 The lower number of vaults being identified for rebuild in Phase 2 is not a reflection of a
15 change in the need but of the resources available to do this work. Since the vault rebuilds
16 scheduled for the 2012-2013 period were not able to proceed on schedule (for reasons
17 explained in Tab 9, Schedule 1), some of these units will now be completed in 2014. As a
18 result, a smaller number of additional locations (those proposed in Phase 2) are able to be
19 scheduled for 2014, since available resources are already committed to finishing work on
20 jobs already approved in Phase 1.

21
22 Since all the locations originally selected for 2014 were of equal priority, changes to the
23 proposed location in the program were done by examining external factors such as
24 whether the rebuild would conflict with another party's work if it was moved to a later
25 year, or if the work needed to be coordinated with any additional electrical work planned
26 for the area.

**RESPONSES TO ONTARIO ENERGY BOARD STAFF
INTERROGATORIES ON PHASE 2, ISSUE 7**

1 **INTERROGATORY 23:**

2 **Reference(s):** T9, Sch B10, p. 1

3

4 It is stated that the number of Fibertop Network Units to be addressed in 2014 has
5 declined by 22.

6 a) Please explain the reasons for this decline.

7 b) Please state how many jobs are estimated to have been completed and in-service by
8 the end of 2013 and how many are expected to be completed and in-service by the
9 end of 2014.

10

11 **RESPONSE:**

12 a) The decline in the number of new 2014 jobs proposed for Phase 2 can be attributed
13 primarily to the allocation of existing resources to the completion of any outstanding
14 approved Phase 1 jobs in 2014.

15

16 b) By the end of 2013, THESL estimates that it will complete 53 jobs, replacing a total
17 of 62 network units. In 2014, an additional 35 planned jobs are currently scheduled,
18 intending to replace another 43 network units (the latter figures include jobs
19 approved in Phase 1 due to be completed in 2014).

RESPONSES TO ASSOCIATION OF MAJOR POWER CONSUMERS IN ONTARIO ON PHASE 2, ISSUE 7

1 **INTERROGATORY 5:**

2 **Reference(s): Tab 9, Schedule A1**

3

4 a) Please provide a summary of the approved Phase 1 expenditures by year deferred to
5 2014.

6

7 b) Please provide a summary of the approved Phase 1 expenditures by year deferred to
8 2015 and beyond.

9

10 c) Please provide a table that shows THESL's proposed 2012 and 2013 capital spending
11 in Phase 1 (update) compared to 2012 actuals and 2013 (breaking out actuals and year
12 end forecast).

13

14 **RESPONSE:**

15 a) Please refer to the response to EP Interrogatory 4b.

16

17 b) THESL currently expects that all approved Phase 1 expenditures will be in service
18 before 2015.

19

20 c) Please refer to the response to VECC Interrogatory 2.

RESPONSES TO ASSOCIATION OF MAJOR POWER CONSUMERS IN ONTARIO ON PHASE 2, ISSUE 7

1 **INTERROGATORY 6:**

2 **Reference(s): Tab 9, Schedule A1, Capital Summary Table**

3

4 a) Please explain the column “2014 Capex” amounts relative to the total proposed 2014
5 project cost information (capital expenditures) provided for each segment.

6

7 b) Please provide a table that shows THESL’s proposed 2014 capital spending and 2014
8 capex in service amounts relative to the Phase 1 filing (May 2012) compared to the
9 current Phase 2 2014 forecast capital spending and 2014 capex in service amounts.

10

11 c) Please provide a summary of the segments where none of the jobs proposed to be in
12 service in 2014 were previously approved by the Board for inclusion in the work for
13 2012 and 2013.

14

15 **RESPONSE:**

16 a) The column “2014 Capex” amounts represent the 2014 capital spending costs. The
17 project cost information (capital expenditures) provided for each segment in the
18 business case is the total project cost (not including spending related to approved
19 Phase 1 jobs). The total project cost includes any new unfiled and unapproved 2013,
20 2014 and 2015 costs.

21

22 b) Please refer to THESL’s response to Board Staff Interrogatory 5.

23

24 c) None of the capital expenditures in the referenced Table 1 include amounts in respect
25 of jobs that were previously approved on the basis of being in-service in 2012 or
26 2013. Said another way, none of the proposed 2014 in-service additions (i.e., amounts

**RESPONSES TO ASSOCIATION OF MAJOR POWER
CONSUMERS IN ONTARIO ON PHASE 2, ISSUE 7**

1 for which THESL is seeking 2014 ICM riders) in the right-most column of the
2 referenced Table 1 are based on jobs that were forecast to be in service in 2012 or
3 2013 during Phase 1 of this application.
4

RESPONSES TO ASSOCIATION OF MAJOR POWER CONSUMERS IN ONTARIO ON PHASE 2, ISSUE 7

1 **INTERROGATORY 7:**

2 **Reference(s): Tab 9, Schedule B1**

3

4 a) Please explain why 2 jobs have been removed.

5

6 b) Please provide the km and cost of direct-buried cable replacements in 2012 (actuals)
7 and 2013 (actuals and forecast to year end).

8

9 c) Please provide the quantity and cost of switchgear replacements in 2012 (actuals) and
10 2013 (actuals and forecast to year end)

11

12 d) Please provide the total km of direct-buried cable replacements and quantity of
13 switchgear replacements currently forecasted in 2014 compared to the May 2012
14 filing.

15

16 e) THESL has added 19 new jobs to this segment in 2014. Please summarize the new
17 information that THESL is relying on to support the prioritization of these projects in
18 2014.

19

20 **RESPONSE:**

21 a) Please refer to THESL's response to Board Staff interrogatory 7.

22

23 b) Actual direct buried cable replacements in 2012: 0 circuit km
24 Actual direct buried cable replacements in 2013 (as of June 2013): 2.72 circuit km
25 (5.67 cable kilometres)

RESPONSES TO ASSOCIATION OF MAJOR POWER CONSUMERS IN ONTARIO ON PHASE 2, ISSUE 7

1 Forecasted direct buried cable replacements for the remainder of 2013 (July to year
2 end): 54.5 circuit km (85 cable kilometres)

3

4 Jobs in the B1 segment replace direct buried cable as well as switchgear. While
5 THESL tracks the costs of jobs, THESL does not track the costs of the replacement of
6 direct buried cable separately from the replacement of switchgear. The following are
7 the in-service additions for this segment:

8

9 Actual ISA in 2012: \$9,291,309

10 Actual ISA in 2013 (up to June 2013): \$8,955,309

11 Forecasted ISA for the remainder of 2013 (July to year end): \$38,997,277

12

13 c) Actual switchgear replacements in 2012: 7

14 Actual switchgear replacements in 2013 (up to June 2013): 1

15 Forecasted switchgear replacements for the remainder of 2013 (July to year end): 59

16

17 See response to part b) above with regard to in-service additions.

18

19 d) The May 2012 filing forecasted 74.54 km circuit kilometres (125.56 cable kilometres)
20 of direct buried cable replacements and 64 switchgear replacements for 2014.

21 The current 2014 filing forecasts 96.58 km circuit kilometres (147.97 cable
22 kilometres) of direct buried cable replacements and 94 switchgear replacements for
23 2014.

24

25 f) Please refer to THESL's response to Board Staff interrogatory 7.

RESPONSES TO ASSOCIATION OF MAJOR POWER CONSUMERS IN ONTARIO ON PHASE 2, ISSUE 7

1 **INTERROGATORY 8:**

2 **Reference(s): Tab 9, Schedule B2**

3

4 The Summary of Changes for 2014 Update states “THESL has included capital
5 expenditures in respect of capital work that was approved by the OEB in Phase 1, but for
6 which THESL inadvertently requested no ICM rate riders. Please explain this statement
7 more fully.

8

9 **RESPONSE:**

10 As noted on pages 3 and 4 of the referenced schedule, two jobs that the OEB approved in
11 Phase 1 were not included in the ICM rate riders for 2013 due to an administrative error.
12 These jobs are presented in Table 2 on page 3 of the referenced schedule B2.

13

14 This work was approved by the OEB in the PILC segment in Phase 1. However, the
15 financial summary upon which the ICM rate riders were determined did not include this
16 amount. In the evidence presented to the OEB (Tab 4, Schedule B2), the total 2013
17 capital spending on approved work was \$9.32M. However, in the capital summary
18 presented to the OEB for the determination of ICM rate riders, only \$5.42M was
19 presented for 2013 capital spending. This omission was an administrative error.

20

21 THESL does not seek funding in 2014 ICM rate riders for any work in relation to these
22 jobs that came into service in 2013. The jobs listed in Table 2 represent only the portion
23 of the approved work coming into service in 2014.

RESPONSES TO ASSOCIATION OF MAJOR POWER CONSUMERS IN ONTARIO ON PHASE 2, ISSUE 7

1 **INTERROGATORY 10:**

2 **Reference(s): Tab 9, Schedule B4**

3

4 THESL is deferring previously proposed jobs due to improved reliability within those job
5 area boundaries.

6

7 a) Please explain the nature of the improved reliability and the new information
8 available to support this.

9

10 **RESPONSE:**

11 a) On page 1 of Tab 9, Schedule B4, THESL incorrectly stated that it plans to defer 13
12 jobs that were previously proposed in the May 2012 filing. The correct number of
13 jobs planned for deferral is actually 14.

14

15 Of the 14 jobs, 11 are being deferred due to improved reliability of the feeders. In the
16 context of Segment B4, improved reliability refers to at least one of the following:

- 17 i. A decreasing or stable trend of annual outages on the feeder between 2010
18 and 2012;
- 19 ii. No outages in the project area between 2010 and 2012; and,
- 20 iii. Outages occurring in the project area between 2010 and 2012 but the nature
21 of the outage would not have been prevented by the proposed job.

22 The new information that supported the assessment of improved reliability was 2012
23 outage data.

24

25 The remaining 3 jobs are being deferred for other execution constraint reasons. A
26 summary of all 14 jobs is provided below:

RESPONSES TO ASSOCIATION OF MAJOR POWER CONSUMERS IN ONTARIO ON PHASE 2, ISSUE 7

1

Job Title	Reason for Deferral
E14117 OH Rebuild R43M28 Aylesworth Kennedy	Improved Reliability
W14073 - 55M31 OH Rebuild at intersection Steels Ave W and Weston RD.	
W14278-Overhead Rebuild Duplex/Church/Parkview	
OH Feeder Rehab - Alexdon, Chesswood, Champagne	
W14320 - Ardwick Overhead Spot Replacement	
W14326 - Nabenby Overhead Rebuild	
W14329 - P03 Gracedale Blvd. Overhead Rebuild Finch TS NY55M27	
W14333 - Aviemore Dr. Overhead Rebuild Finch TS	
W14334 - Duncanwoods Dr. Overhead Rebuild Finch TS	
W14340 – Lindylou Overhead Rebuild	
30M7 OH Upgrade and ETRF2 OH VC	Deferred due to execution constraints associated with timelines of constructing large multi-phase projects in the same geographical area in one year
W14344-Voltage Conversion-Westmount MS RB-F1	
E14170 Rouge Park OH Rebuild Phase and VC of 3 SCXGF3	Deferred due to execution constraints at the overall segment level. This specific job was selected for deferral because all outages between 2011 and 2012 were due to tree contacts or adverse weather, and such outages can be mitigated in the short-term via aggressive tree trimming.
E14136 OH Upgrade SCNAR43M24 Hollis Milne Birchmount	

3

RESPONSES TO ASSOCIATION OF MAJOR POWER CONSUMERS IN ONTARIO ON PHASE 2, ISSUE 7

1 **INTERROGATORY 11:**

2 **Reference(s): Tab 9, Schedule B5**

3

4 a) Please explain the more cost-effective solution to job X13176 and how this was
5 determined.

6

7 b) Please explain why the prerequisite job X11452 planned for construction in 2012 was
8 rescheduled for 2014.

9

10 **RESPONSE:**

11 a) Job X13176 was originally scoped by THESL engineers to convert feeder B4DU and
12 included extensive civil work, as well as conversion of associated overhead and
13 underground customers to 13.8kV. Due to the size and complexity of the job, as well
14 as other feeders in the area that could share the same civil infrastructure from
15 X13176, it was decided by THESL designers and engineers during the design phase
16 to split the job into smaller, more manageable sections. In the case of X13176, the
17 scope of work was modified to include the civil portion only. As a result, efficiencies
18 were found and incorporated in the overall conversion plan for Dupont MS. These
19 smaller phases of the original job are planned to be completed over a three year
20 period, from 2014-2016.

21

22 b) Job X11452 was rescheduled to 2014 as part of THESL's Phase 1 update, for the
23 same operational factors affecting many other rescheduled jobs. These factors were
24 outlined in detail in THESL's Addendum to the Manager's Summary (Tab 2,
25 Addendum). Since the jobs which relied on the completion of X11452 were also

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- 1 among those postponed, the fact that this job was originally planned as a prerequisite
2 was not relevant to this decision.

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1 **INTERROGATORY 12:**

2 **Reference(s): Tab 9, Schedule B7**

3

4 Please confirm the number of jobs for the proposed 2014 program has not changed from
5 the program approved by the Board in Phase 1.

6

7 **RESPONSE:**

8 The OEB did not approve the 2014 portion of this project segment, or any specific jobs
9 for this segment, in Phase 1 of this proceeding. In relation to the number of jobs
10 originally proposed in the May 2012 filing, the amount of units scheduled for
11 replacement in 2014 has been reduced by 164.

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1 **INTERROGATORY 13:**

2 **Reference(s): Tab 9, Schedule B8**

3

4 The number of switches to be replaced has increased from 49 to 64.

5

6 a) Please explain the reason for the increase in the number of switch replacements and
7 the jobs affected.

8

9 **RESPONSE:**

10 Operational considerations had previously limited the amount of switch replacements that
11 could be performed in 2014 to 49, even though a larger number require immediate
12 replacement. Due to additional resource availability, switches which were previously
13 scheduled for 2015 can now be replaced in 2014, resulting in an increase to planned
14 replacement (to 64 units) for 2014.

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1 **INTERROGATORY 14:**

2 **Reference(s): Tab 9, Schedule B9**

3

4 The number of vault locations to be addressed in 2014 has been reduced by 12.

5

6 a) Please explain the reason for this decrease.

7

8 **RESPONSE:**

9 The lower number of vaults being identified for rebuild in Phase 2 is a reflection of the
10 limited resources available to do this work. Since the vault rebuilds scheduled for the
11 2012-2013 period were not able to proceed on schedule, some of these units will now be
12 completed in 2014. As a result, a smaller number of additional locations are being
13 proposed for 2014 (the ones included in the Phase 2 update).

14

15 Since all the locations originally selected for 2014 were of equal priority, changes to the
16 proposed location in the program were done by examining external factors such as
17 whether the rebuild would conflict with another party's work if it was moved to a later
18 year or if the work needed to be coordinated with any additional electrical work planned
19 for the area.

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1 **INTERROGATORY 15:**

2 **Reference(s): Tab 9, Schedule B11**

3

4 Eight ATS jobs and two RPB jobs are removed from the 2014 ICM work program.

5

6 a) Please explain the reason for this decrease.

7

8 **RESPONSE:**

9 The decline in the number of new 2014 jobs proposed for Phase 2 can be primarily
10 attributed to the allocation of existing resources to complete any outstanding approved
11 Phase 1 jobs in 2014. The removed jobs have been re-scheduled for completion in 2015.

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1 **INTERROGATORY 16:**

2 **Reference(s): Tab 9, Schedule A1**

3

4 Please confirm the segments where one or more jobs originally included in the 2012/2013
5 ICM work program but deferred during the October 2012 evidentiary update have been
6 added back and why.

7

8 **RESPONSE:**

9 The following table summarizes the number of jobs that were initially deferred in the
10 October 2012 evidentiary update (from the 2012/2013 work program) and now comprise
11 part of the proposed 2014 ICM work program.

12

Current Status/Segment	Number of Deferred Jobs Filed in 2014
B01 - Underground Infrastructure	4
B02 - PILC	1
B04 - Overhead Infrastructure	5
B06 - Rear Lot	2
B09 - Network Vaults & Roofs	2
B10 - Fibertop Network Units	15
B14 - Stations Circuit Breakers	2
Total:	31

**RESPONSES TO ASSOCIATION OF MAJOR POWER
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- 1 These jobs have been included in Phase 2 because THESL has the opportunity and
- 2 resources to complete this non-discretionary work in 2014.

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1 **INTERROGATORY 17:**

2 **Reference(s): Tab 9, Schedule B18**

3

4 a) Please confirm the projects not scheduled to come into service in 2014 where the
 5 capital contributions related to the projects has been removed from Segment B18.

6

7 b) Please provide the status and forecasted in-service dates of the removed projects.

8

9 **RESPONSE:**

10 a) Confirmed. No projects with in-service dates beyond 2014 are included in segment
 11 B18.

12

13 b) The project status and forecasted in service year for each project removed from
 14 Segment B18 is provided in the table below:

Project Title	Status of Coordination with HONI	Forecasted Year of In-Service (Year)
Wiltshire TS switchgear replacements and engineering studies (A5-6W replacement)	Planning.	2017
Strachan TS switchgear replacements and engineering studies (A7-8T replacement)	Engineering study agreement executed in 2012.	2016
Strachan TS switchgear replacements and engineering studies (A5-6T replacement)	Planning.	2018
Windsor TS switchgear Engineering Study (A5-6WR replacement)	Connection Application submitted in 2013.	2016
Duplex TS A5-6 switchgear replacement and engineering study	Engineering Study signed in 2013.	2016

RESPONSES TO ASSOCIATION OF MAJOR POWER CONSUMERS IN ONTARIO ON PHASE 2, ISSUE 7

Leslie MS switchgear replacement and engineering Study	Engineering study agreement signed in 2013.	2015
Horner TS second bus expansion engineering study	Connection Application submitted to Hydro One.	2018
Runnymede TS second bus expansion engineering study	Connection Application submitted to Hydro One.	2018
Bridgman TS transformer upgrade engineering study	Planning.	2017
Esplanade TS second bus expansion engineering study	Planning.	2018

1

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1 **INTERROGATORY 18:**

2 **Reference(s):** **Tab 9, Schedule 1, Pages 19-20**

3

4 THESL indicates that known rate pressures are expected to be a reality in 2015.

5

6 a) Please provide the nature and scope of these known rate pressures and the
7 corresponding impact on 2015 rates.

8

9 b) Please identify and describe the non-ICM 2015 rate impacts.

10

11 **RESPONSE:**

12 a) and b)

13 The excerpt referenced in these questions was intended to refer to THESL's ongoing
14 capital infrastructure needs, which will require continuing annual capital investment at
15 levels exceeding the utility's depreciation. Put simply, if THESL is unable to "invest
16 today," this merely pushes the problem off until "tomorrow", and tends to exacerbate the
17 "snow plow effect." Deferring necessary investment also increases the strain on and
18 potential risks for the grid.

19

20 As THESL explains in the above referenced section of the Manager's Summary, it is well
21 established that THESL's plant is old - meaning that much of Toronto's electricity
22 distribution grid has passed, reached, or is approaching end of life. THESL's statement
23 was meant to indicate that refurbishment of the distribution grid requires significant and
24 sustained multi-year investment which will continue into 2015 and beyond. In order to
25 minimize the potential for step increases (as well as execute an efficient and planned
26 capital program), THESL believes that it is important to pace its refurbishment in the

**RESPONSES TO ASSOCIATION OF MAJOR POWER
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- 1 form of programmatic annual investment. THESL has not yet identified the full scope
- 2 and quantum of its capital funding request for the next five years (this will, of course,
- 3 form part of its 2015-2019 application).

RESPONSES TO ASSOCIATION OF MAJOR POWER CONSUMERS IN ONTARIO ON PHASE 2, ISSUE 7

1 **INTERROGATORY 19:**

2 **Reference(s):** Tab 9, Schedule 1, Page 12

3

4 Please explain further how THESL has ramped up its capacity to carry out work
5 throughout 2013 and 2014 and the operational factors considered.

6

7 **RESPONSE:**

8 The key methods utilized by THESL to ramp up capacity to carryout work in 2013 and
9 2014 are:

- 10 A. Continuing to explore opportunities for efficiencies within THESL's workforce
11 and processes (e.g. crews reporting directly to job sites).
- 12 B. Adding contractors through a competitive bidding process.
- 13 C. Helping develop contractors' capability by providing them with progressively
14 more complex types of projects.
- 15 D. Providing a stable and steady flow of work to the contractors, which allows them
16 to increase the resources dedicated to carrying out work assigned to them by
17 THESL.

18

19 Some operational factors considered by THESL when developing the execution work
20 program include:

- 21 A. Availability of resources with specialized skills (e.g.. able to work on network
22 equipment or lead cables).
- 23 B. Lead time associated with securing material for projects (e.g., certain breakers and
24 switches are long lead items).
- 25 C. Operability constraints (e.g., feeder restrictions due to hot summer weather).
- 26 D. Municipality constraints (e.g. availability of permit, road moratoriums, etc.).

**RESPONSES TO CONSUMERS COUNCIL OF CANADA
ON PHASE 2, ISSUE 7**

1 **INTERROGATORY 14:**

2 **Reference(s):** **Exhibit Tab 9, Schedule A2-A3**

3

4 Please provide the terms of reference for Power System Engineering Inc. and Navigant
5 Consulting Inc. specific to their reviews of the updated evidence. If terms of reference
6 were not developed please explain what direction THESL gave to the experts regarding
7 the review of the updates.

8

9 **RESPONSE:**

10 THESL did not enter into new engagements or new terms of reference with Power
11 System Engineering, Inc. or Navigant Consulting Ltd. in respect of Phase 2 of this
12 application. THESL provided both experts with copies of the 2014 Evidentiary Update
13 and requested that they confirm whether the conclusions and findings in their original
14 reports remain applicable.

**RESPONSES TO CONSUMERS COUNCIL OF CANADA
ON PHASE 2, ISSUE 7**

1 **INTERROGATORY 15:**

2 **Reference(s):** **Partial Decision and Order, dated April 2, 2013, p. 75**

3

4 In its Partial Decision the Board stated, “Unlike the “envelope” approach often adopted in
5 cost-of-service proceedings, the monies must be reported per project segment as outlined
6 above. Should one project not proceed, for example, the money cannot be used for a
7 different project or to cover overspending on another project.” Please confirm that
8 THESL has conformed to this directive from the Board.

9

10 **RESPONSE:**

11 THESL confirms that it has conformed to the OEB’s decision.

RESPONSES TO ENERGY PROBE INTERROGATORIES ON PHASE 2, ISSUE 7

1 **INTERROGATORY 2:**

2 **Reference(s): T9, S1, pp. 5 and**
3 **T9, SA2**

4

5 In lines 1-5 of the first referenced schedule, THESL refers to reviews of the 2014 ICM
6 segment evidence by Power System Engineering Inc. (PSE) and Navigant Consulting Inc.
7 (Navigant).

8

9 In PSE's memorandum the following statement appears in the final paragraph on page 2:

10

11 "To the extent that THESL's Feeder Investment Model (FIM)
12 analyses materially change, PSE reserves the ability to revisit its
13 opinions regarding the affected project segments that were
14 considered in PSE's Summary Report."

15

16 a) Please state whether or not any of THESL's FIM analyses for 2014 projects have
17 materially changed from those provided in Phase 1 of the proceeding.

18

19 b) If any have changed please provide references to the evidence and explanations
20 for the changes and state whether or not PSE has revisited its opinions in response
21 to any material changes.

22

23 c) Please describe how THESL decides whether changes in FIM analyses are
24 material or not.

25

26

RESPONSES TO ENERGY PROBE INTERROGATORIES ON PHASE 2, ISSUE 7

1 **RESPONSE:**

2 a) THESL's FIM analyses have not materially changed.

3

4 b) See response to a) above.

5

6 c) A material change to a FIM analysis would be dependent on a change in the nature of
7 the work within the segment that is being analyzed. That is, if the segment materially
8 changed in nature (e.g. the replacement of existing assets with a new type of assets not
9 previously considered), then the FIM analysis would also materially change. For
10 example, if the Stations Circuit Breaker segment was adjusted to replace power
11 transformers rather than circuit breakers, this would be considered a material change to
12 the segment, and therefore, the corresponding FIM analysis would also be materially
13 changed.

14

15 Changes in scope such as a change in the quantity or mix of assets being addressed do not
16 have a material effect on the FIM analysis, since the nature of the work remains the same
17 (i.e., THESL is still replacing those same assets with the same standardized asset type
18 that was previously declared and defined within the 2012-2013 IRM application). The
19 FIM analysis is not materially affected by such changes in scope.

RESPONSES TO ENERGY PROBE INTERROGATORIES ON PHASE 2, ISSUE 7

1 **INTERROGATORY 3:**

2 **Reference(s):** T9, S1, pp. 11

3

4 Lines 1-6 discuss the allocation of engineering capital and note that “engineering capital
5 is largely a fixed annual cost” and that “If the magnitude of THESL’s work program is
6 reduced, the engineering capital attracted by any given project and the amount that should
7 properly be applied to it, necessarily increases”.

8

9 a) Does THESL use outside contract resources for any of its Engineering Capital?

10

11 b) If yes, please explain why a reduction in its capital program would not also entail
12 a reduction in its Engineering capital.

13

14 c) If no, how is THESL coping with the increased demands of engineering design
15 for its increased capital program?

16

17 **RESPONSE:**

18 a) In 2013 THESL has forecast approximately \$0.4 million of engineering capital
19 spending related to outside contract resources in connection with executing the
20 company’s work program in 2014 and 2015.

21

22 b) Engineering capital is not a linear function of capital program spending amounts.
23 While very minor changes can be made, it will nonetheless remain a largely fixed
24 amount.

25

26 c) See part a) above.

**RESPONSES TO ENERGY PROBE INTERROGATORIES ON
PHASE 2, ISSUE 7**

1 **INTERROGATORY 4:**

2 **Reference(s): T9, S1, pp. 12 and**
3 **T9, SA1**

4
5 Lines 3-13 discuss the fact that THESL undertook some projects in 2013 prior to the
6 Board's partial decision in Phase 1 that were not approved in that decision for ICM
7 funding.

8

9 a) Please describe the kinds of projects that fell into this category.

10

11 b) Please provide a summary table by project and segment identifying the approved
12 Phase 1 expenditures deferred from 2013 to 2014 referred to in lines 10-11.

13

14 c) Please identify on that table which of the approved 2013 expenditures deferred to
15 2014 were intended in Phase 1 to be in service in 2013 and which were to be in
16 service in 2014.

17

18 d) Where are these deferred expenditures accounted for in the Capital Summary
19 Table in Tab 9 Schedule A1?

20

21 **RESPONSE:**

22 a) The specific segments that fell within this category and level of spending are
23 noted in the response to SEC Interrogatory 1.

24

25 b) The total capital in-service in the approved Phase 1 decision was based on
26 historical estimates applied to segments and not to the specific jobs within the

**RESPONSES TO ENERGY PROBE INTERROGATORIES ON
PHASE 2, ISSUE 7**

1 segments. As a result, it is not possible to provide a summary table identifying
2 specific OEB-approved Phase 1 expenditures deferred from 2013 to 2014.

3
4 c) The total capital in-service in the approved Phase 1 decision was based on
5 historical estimates applied to segments and not to the specific jobs within the
6 segments. As a result, it is not possible to identify specific deferred expenditures
7 as requested.

8
9 d) The referenced Capital Summary table does not include OEB-approved deferred
10 expenditures that were forecast to be in service in 2012 or 2013 in Phase 1. In
11 other words, THESL is not seeking additional 2014 ICM rider funding for OEB-
12 approved capital work that was forecast to come into service in 2012 or 2013 in
13 Phase 1.

**RESPONSES TO ENERGY PROBE INTERROGATORIES ON
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1 **INTERROGATORY 5:**

2 **Reference(s): T9, B1**

3

4 This schedule notes that proposed work in the Underground Infrastructure Segment for
5 2014 totals \$91.06 M which represents an increase of \$16 M (about 21%) over the May
6 2012 forecast.

7

8 a) Please explain the changed circumstances that have prompted such a significant
9 increase in the proposed 2014 expenditure levels.

10

11 b) It is also noted that this total does not include “spending related to approved Phase
12 1 jobs”. Please confirm that “spending related to approved Phase 1 jobs” includes
13 any projects deferred from 2013 to 2014 referred to in Tab 9, Schedule 1, page 12.

14

15 **RESPONSE:**

16 a) Please refer to Board Staff Interrogatory 7.

17

18 b) In this context, THESL confirms that “spending related to approved Phase 1 jobs”
19 includes any projects that were approved by the OEB as part of Phase 1 and that were
20 deferred from 2013 to 2014 as referred to in Tab 9, Schedule 1, page 12.

RESPONSES TO ENERGY PROBE INTERROGATORIES ON PHASE 2, ISSUE 7

1 **INTERROGATORY 6:**

2 **Reference(s): T9, B1**

3

4 Many of the projects described in this schedule contain the statement that “poor
5 reliability is partially due to failures of underground assets, including direct buried
6 cable”.

7

8 By contrast many of the projects in the Phase 1 evidence cite more specific reliability
9 evidence as the reason for the project. A quick look through the 2013 evidence in Tab 4,
10 Schedule B1 turned up many statements such as the following:

11

12 “over the past five years there have been 15 primary cable failures on
13 this feeder” (p.26)

14

15 “In 2009 there were multiple major underground primary cable
16 failures on this feeder. These failures were responsible for 97% of CI
17 and 85% of CHI for that year” (p. 41)

18

19 “nearly half of the CI in 2010 is due to primary cable failure” (p. 53)

20

21 “The majority of CI and CHI in 2010 specifically 7188 out of 9370 in
22 CI and 2992 out of 4962 in CHI was due to underground asset
23 failures” (p.59)

24

25 a) Is THESL able to provide a better quantification of DB cable failure contribution
26 to poor reliability in the 2014 projects?

**RESPONSES TO ENERGY PROBE INTERROGATORIES ON
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1

2 b) If not, can it provide some elaboration for how the statement “poor reliability is
3 partially due to failures of underground assets, including direct buried cable”
4 should be understood? For example, what other non-underground assets might be
5 responsible for poor reliability and in what proportion? What proportion of the
6 underground asset failures were direct buried cable failures?

7

8 **RESPONSE:**

9 Please refer to Table 1 in Appendix A of the response to SEC interrogatory 8 for
10 additional information regarding direct-buried cable age, condition and reliability
11 performance for jobs that were added to the 2014 B1 segment in Phase 2.

**RESPONSES TO ENERGY PROBE INTERROGATORIES ON
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1 **INTERROGATORY 7:**

2 **Reference(s): T9, B3**

3

4 This schedule describes the replacement of handwells. The proposed 2014 work has been
5 increased from 1031 handwells to 2500 with an attendant increase in expenditures from
6 \$7.17 M to \$18.1 M.

7

8 Please explain why this program needs to be increased by more than 150% from the
9 originally filed proposal.

10

11 **RESPONSE:**

12 Please see THESL's response to AMPCO Interrogatory 9a.

RESPONSES TO ENERGY PROBE INTERROGATORIES ON PHASE 2, ISSUE 7

1 **INTERROGATORY 8:**

2 **Reference(s): T9, B4**

3

4 This schedule describes overhead infrastructure work. Page 1 notes that the proposed
5 2014 work program has increased by \$12.93 M to \$33.04 M (an increase of about 60%).
6 The summary of changes box on page 1 notes that the “2014 program was revised to
7 reflect work accomplished to date in 2013 and the continuing priority needs of the
8 system”

9

10 a) How much of the \$12.93 M increase is due to work transferred from the 2013
11 program to the 2014 program?

12

13 b) For the balance of the \$12.93 M not attributable to transfers out of the 2013
14 program please explain why the 2014 program needs to be increased.

15

16 **RESPONSE:**

17 a) A total of \$3.46M of the 12.93M (for jobs W13206 and X12179) relates to work
18 deferred from 2013 to 2014. In addition, \$1.95M of the increase in 2014 is due to
19 three jobs, namely W11289, W12253 and X12501, that were deferred from the
20 2012 program to the 2014 program.

21

22 These jobs were originally proposed for 2012 and 2013 in the May 2012 filing but
23 were deferred into 2014 during the October 2012 update. As a result, these jobs
24 were not included in the 2013 work program approved by the OEB in Phase 1.

25

RESPONSES TO ENERGY PROBE INTERROGATORIES ON PHASE 2, ISSUE 7

- 1 b) The 2014 program needs to be increased to accommodate new jobs that have been
2 identified through new data including reliability, loading and asset condition
3 information. The pre-filed evidence provides the details of the proposed 2014
4 jobs (Tab 9, Schedule B4). However, as a general statement, each of these jobs is
5 required as a result of at least one of the following factors:
- 6 • address immediate contingency limitations;
 - 7 • address sub-standard installations where pole guying and anchoring is
8 inadequate, resulting in potential safety hazards;
 - 9 • support the decommissioning of end-of-life and obsolete stations equipment;
 - 10 • involve the replacement of assets that were found to be in very poor condition
11 following field inspections;
 - 12 • address the root cause of numerous outages in the specific job area between
13 2010 and 2012; and/or,
 - 14 • are on feeders that have experienced an increasing or high number of annual
15 outages in between 2010 and 2012.

RESPONSES TO SCHOOL ENERGY COALITION ON PHASE 2, ISSUE 7

1 **INTERROGATORY 8:**

2 **Reference(s): Exhibit 9, Schedule B1-B2**

3

4 For each segment, please explain why jobs have been added, removed or revised?

5

6 **RESPONSE:**

7

8 **B1 Segment:**

9 For an explanation of why segment B1 jobs have been added, removed or revised for
10 2014, please refer to the tables in Appendix A attached.

11

12 **B2 Segment:**

13 As explained in lines 9-11 on page four of the referenced schedule B2, one piece out and
14 leakers job was removed from the Phase 2 evidence: its scope was combined within
15 another scope for execution purposes. The two scopes which were combined were Basin
16 Piece Outs and Leakers and Gerrard Piece Outs and Leakers. As the two stations are in
17 close proximity to one another and each original job incorporated a small number of
18 units, THESL determined that it was efficient to design and execute the jobs together.

19

20 As explained in lines 13-17 on page 4 of the referenced schedule B2, one piece out and
21 leakers job was revised from its original scope of work. The job for the 4kV Stations
22 Piece Outs and Leakers was changed to the Downtown Station Piece Out and Leakers
23 job. This change was made to address piece out and leakers issues which had arisen since
24 the original evidence was filed.

25

RESPONSES TO SCHOOL ENERGY COALITION ON PHASE 2, ISSUE 7

- 1 As noted on pages 3 and 4 of the referenced schedule B2, two jobs that the OEB
- 2 approved in Phase 1 were not included in the ICM rate riders for 2013 due to an
- 3 administrative error. These jobs are presented in Table 2 on page 3 of the referenced
- 4 schedule B2. Please refer to the response to AMPCO interrogatory 8 for a detailed
- 5 explanation of how these jobs have been addressed in Phase 2.

Table 1: List of jobs added to the 2014 job list in segment B1

Job	Sub-job(s)	In May 2012 Filing	In Oct 2012 Update	Notes / Reasons for Addition in 2014
Underground Rehabilitation of Feeders NY51M21, NYSS27F1, NYSS27F2, NYSS27F3	E12217, E12250, E12251, E12266, E12268	None	None	This job replaces aged direct buried cable that has failed in the last five years. Sub-jobs E12217, E12250 & E12251 replace aged direct buried cable and convert aged Winfield MS load to 27.6kV. It is an islanded 4kV MS built in the 1960's. Both the station transformer and oil breakers are old and unreliable. Sub-jobs E12266 & E12268 are needed to replace direct buried cable on Country Lane and Hyde Park Circle with cable in concrete encased duct. This area is supplied by feeder 51M21, which is a poorly performing feeder. Replacing aged and unreliable direct buried cable is expected to improve reliability to the feeder.
Underground Rehabilitation of Feeder NY51M29	E13194	None	None	This work is required to replace unreliable underground assets on feeder 51M29 in Don Mills / Graydon Hall and Duncan Mills area. This feeder has suffered five sustained outages in 2013 year-to-date, three of which were caused by underground assets. The area being rebuilt has experienced multiple underground asset failures, including primary cable failure. THESL has received complaints regarding reliability in this area.
Underground Rehabilitation of Feeder NY51M30	E13093	None	None	This job rebuilds an area that has experienced eight underground asset failures and one primary cable failure in the last five years.
Underground Rehabilitation of Feeder NY51M7	E13074	Same	None	This job was in the 2012-2013 application, so it should not have been in Table 2 in T9, Sch. B1, p.4. <u>This is an error in presentation only</u> and does not affect the accuracy of the in-service additions estimate for segment B1.
Underground Rehabilitation of Feeder NY53M1	E12385, E12386	None	None	Added in 2014 so that work is completed before Metrolinx Eglinton LRT work begins in the area.
Underground Rehabilitation of Feeder NY53M25	E12237	Same	None	This job was in the 2012-2013 application, so it should not have been in Table 2 in T9, SchB1, p.4. <u>This is an error in presentation only</u> and does not affect the accuracy of the in-service additions estimate for segment B1.

Job	Sub-job(s)	In May 2012 Filing	In Oct 2012 Update	Notes / Reasons for Addition in 2014
Underground Rehabilitation of Feeder NY53M27	E13616	None	None	The lateral section of this feeder opposite to the job area experienced a number of direct buried cable failures. These cables were replaced with new cables in concrete encased ducts. This job replaces the remaining portion of existing direct buried cables in this loop, which are of similar age and are expected to have similar environmental and loading degradation conditions. The job also splits up loading of the loop due to additional load growth in area.
Underground Rehabilitation of Feeder NY53M9	E08220	None	None	This job replaces direct buried cable that feeds transformers in vaults. One of the vaults has experienced an explosive failure of equipment.
Underground Rehabilitation of Feeder NY55M21	W13162	None	None	The underground distribution on Starview Drive and Rockbanks Crescent is currently direct buried. The area has experienced four outages due to underground cable failures in the past three years.
Underground Rehabilitation of Feeders NY80M30, NY80M29	W12077	W12077, NY80M30	W12077, NY80M30	This job was in the 2012-2013 application as "Underground Rehabilitation of Feeders NY80M30", so it should not have been in Table 2 in T9, SchB1, p.4. <u>This is an error in presentation only</u> and does not affect the accuracy of the in-service additions estimate for segment B1. To better reflect the work, THESL changed the job title change to include "NY80M29" in this update. Although the sub-job W12077 was in the May 2012 filing, its cost was reduced in the October 2012 update. The remaining cost to finish this sub-job in 2014 been added in this filing.
Underground Rehabilitation of Feeder NYSS55F1	W14667	None	None	NYSS55F1 has experienced three underground cable outages in the past five years. The underground cable supplying Jane Street and Gosford Boulevard is currently direct buried and has failed. The installation year for the cable was 1963.
Underground Rehabilitation of Feeders SCFJF1	E11116	None	None	This job replaces 45 year-old direct buried cable on Cougar Court. The direct buried cable has failed. This job is expected to stabilize reliability on this feeder.

Job	Sub-job(s)	In May 2012 Filing	In Oct 2012 Update	Notes / Reasons for Addition in 2014
Underground Rehabilitation of Feeder SCNA47M17	E11223, E11616, E12239, E12241, E12242, E12243, E12244, E12267, E12281, E12335, E12336	All except for E11223, E12267	All except for E11223, E12267	<p>This job was in the 2012-2013 application, so it should not have been listed in Table 2 in T9, Sch. B1, p.4. Two sub-jobs, E11223 and E12267, were added in the 2014 update, meaning that this job should have appeared in Table 4 in T9, SchB1, p.5. <u>This is an error in presentation only</u> and does not affect the accuracy of the in-service additions estimate for segment B1.</p> <p>This feeder has experienced 18 underground asset failures, including five direct buried cable failures, in the past five years. The two additional sub-jobs is expected to reduce outages.</p>
Underground Rehabilitation of Feeder SCNA502M23	E13605	None	None	This job replaces direct buried cable that failed in late 2012. The cable is no longer functional and has been left de-energized. The local distribution system in a contingency situation as a result.
Underground Rehabilitation of Feeder SCNAE5-1M25	E13066	None	None	The direct buried cable loop being rebuilt by this job experienced three direct buried cable failures in 2012 and one in 2013. This sub-job was advanced to 2014 to address the failing infrastructure.
Underground Rehabilitation of Feeder SCNAR26M22	E12277	None	None	Feeder reliability is deteriorating, with four sustained outages to-date in 2013. Outages have impacted a large customer which has complained to THESL regarding the reliability of its service. This job is expected to improve reliability.
Underground Rehabilitation of Feeder SCNAR26M31	E11401, E11426	None	None	This job rebuilds an industrial area that has experienced four primary cable failures in the last five years.
Underground Rehabilitation of Feeder SCNAR26M32	E12323	None	None	This feeder has experienced four underground asset failures, including two direct buried cable failures, in the past five years. This job is expected to reduce the number of outages.

Job	Sub-job(s)	In May 2012 Filing	In Oct 2012 Update	Notes / Reasons for Addition in 2014
Underground Rehabilitation of Feeder SCXJF1	E13203, E14031	None	None	This job rebuilds a small neighbourhood fed with 45-year-old direct buried cable that is in need of immediate replacement.

Table 2: List of jobs removed from the 2014 job list in segment B1

Job	Sub-job(s)	Reason for Removal
Underground Rehabilitation of Feeder NY80M9	W12642	This job replaces cable in duct instead of direct buried cable, so it does not meet the characteristics of other jobs within segment B1. THESL intends to monitor the area and address its needs in future investment plans.
Underground Rehabilitation of Feeder NY85M6	W14078, W14096	Reliability of the feeder has improved. The feeder went from FESI-8 in 2011 to FESI-1 in 2012. THESL intends to monitor the area and address its needs in future investment plans, as appropriate.

Table 3: Revised 2014 Job List

Original 2014 Job List		Revised 2014 Job List			
Underground Rehabilitation of Feeder	Job Cost (\$M)	Underground Rehabilitation of Feeder(s)	Job Cost (\$M)	Changes to Job	Reasons for Changes to Job
NY51M24	\$0.67	NY51M24, NY51M25	\$1.45	Revision to job title	Job title revised to include both feeders on which there is work.
				Added sub-job E13103	Sub-job E13103 was in the May 2012 filing, with a construction year of 2013. It was removed in the October 2012 update as it was not expected to be completed in 2013. As this sub-job is the electrical phase of sub-job E13108, which was approved by the OEB in Phase 1, THESL has added it to the 2014 program in order to complete the work as initially planned in the May 2012 filing.
				Added sub-job E11582	Sub-job E11582 was added to the 2014 program. Feeder NY51M24 continues to experience a high number of underground asset failures. This sub-job replaces switchgear that is approximately 35 years old, and is expected to help stabilize the reliability of the feeder.
NY51M3	\$2.56	NY51M3, NY51M27	\$4.15	Revision to job title	Job title revised to include both feeders on which there is work.
				Added sub-jobs E12393 and E12394	Sub-jobs E12393 and E12394 were in the May 2012 filing, with a construction year of 2014. Their costs were revised in the October 2012 update to include only design costs. The design costs for these two sub-jobs were approved by the OEB in Phase 1. THESL has included the construction costs for these two sub-jobs in the 2014 program in order to complete the work as initially planned in the May 2012 filing.
				Added sub-jobs E12418, E12419, E12425, E12426, E12429 and E12430	Sub-jobs E12418, E12419, E12425, E12426, E12429 and E12430 have been added to address reliability complaints from customers in the area by removing aged and failing direct buried cable.

Original 2014 Job List		Revised 2014 Job List			
Underground Rehabilitation of Feeder	Job Cost (\$M)	Underground Rehabilitation of Feeder(s)	Job Cost (\$M)	Changes to Job	Reasons for Changes to Job
				Removed sub-jobs E12409 and E12346	Sub-jobs E12409 and E12346 have been removed as they are electrical phases of civil phases (E12341 and E12408) that have been included for 2014, and it would not be possible to construct both phases in one year.
NY51M8	\$0.32	NY51M8, NY51M6	\$0.34	Revision to job title	The job title was missing feeder NY51M6.
NY55M23	\$2.24	NY55M23	\$2.38	Cost revision	Detailed design, including field visits to assess field conditions and construction factors, resulted in a job estimate increase.
NY80M8	\$9.51	NY80M8	\$7.98	Replaced sub-job W14229 with sub-jobs W14540, W14541 and W14542	Sub-job W14229 was split into smaller sub-jobs W14540, W14541 and W14542 for administrative reasons. The overall scope of work remains unchanged.
				Removed sub-job W14248	Sub-job W14248 is the electrical phase of sub-job W14229. It is not expected to be constructed in 2014 as it is not possible to construct both the civil and electrical phases in one year.
NY85M24	\$2.03	NY85M4, NY85M24	\$3.01	Jobs combined	Jobs were combined to reflect work common to both feeders.
				Added sub-job W13709	This sub-job was included in the 2014 update in error. It is a portion of sub-job W13278, which was approved by the OEB in Phase 1.
				Added sub-job W13239	Sub-job W13239 was in the May 2012 filing, with a construction year of 2013. It was removed in the October 2012 update as it was not expected to be completed in 2013. As this sub-job is the electrical phase of sub-job W13278, which was approved by the OEB in Phase 1, THESL has added it to the 2014 program in order to complete the work as initially planned in the May 2012 filing.
NY85M4	\$3.31			Removed sub-jobs W14268, W14269, W14270, W14153, W14154 and W14155	These sub-jobs have been removed to reflect the improved reliability on the feeder, particular with respect to underground asset failures. THESL intends to monitor the area and address its needs in future investment plans , as appropriate.

Original 2014 Job List		Revised 2014 Job List			
Underground Rehabilitation of Feeder	Job Cost (\$M)	Underground Rehabilitation of Feeder(s)	Job Cost (\$M)	Changes to Job	Reasons for Changes to Job
NY85M7	\$13.83	NY85M7	\$6.64	Removed sub-jobs W14129, W14130, W14131, W14132 and W14135	These five sub-jobs have been removed because they are not expected to result in an improvement in the reliability of feeder NY85M7. The poor reliability of feeder NY85M7, particularly with respect to underground asset failures, has mainly been due to assets in areas that will be rebuilt by other 2014 sub-jobs within this job, namely W14133 and W14134. THESL intends to monitor the areas to be rebuilt by these five removed sub-jobs in case reliability deteriorates in future.
SCNA47M13	\$0.96	SCNA47M13	\$1.39	Added sub-job E12228	Sub-job E12228 was in the May 2012 filing, with a construction year of 2014. Its cost was revised in the October 2012 update to include only the design cost. The design cost for this sub-job was approved by the OEB in Phase 1. THESL has included the construction costs for this sub-job in the 2014 program in order to complete the work as initially planned in the May 2012 filing.
SCNA502M21	\$2.56	SCNA502M21, SCNA502M22, SCNA502M28	\$2.21	Jobs combined	Jobs were combined to reflect work common to both feeders.
				Removed sub-job E14008	Sub-job E14008 has been removed as it is the electrical phase of sub-job E13123, which has been included for 2014, and it would not be possible to construct both phases in one year.
SCNA502M22	\$0.25			Removed sub-job E14009	Sub-job E14009 has been removed due to execution constraints at the overall segment level. This specific sub-job was deferred because there have not been cable failures in the sub-job area.
SCNAH9M23	\$2.71	SCNAH9M23, SCNAH9M32	\$2.14	Revision to job title	Job title was revised to include feeder that is affected by sub-job E15023.
				Added sub-job E15023	This sub-job has been added to address a segment of direct buried cable that has failed multiple times since late 2012.
				Removed sub-jobs E13148, E13121(21561)	Sub-jobs E13148 and E13121 (estimate 21561) have been removed as they are electrical phases of sub-jobs E13147 and E13121 (estimate 21565), which have been included for 2014, and it would not be possible to construct both phases in one year.

Original 2014 Job List		Revised 2014 Job List			
Underground Rehabilitation of Feeder	Job Cost (\$M)	Underground Rehabilitation of Feeder(s)	Job Cost (\$M)	Changes to Job	Reasons for Changes to Job
SCNAH9M30	\$2.75	SCNAH9M30	\$1.92	Removed sub-job E14191	Sub-job E14191 has been removed as it is the electrical phase of sub-job E14190, which has been included for 2014, and it would not be possible to construct both phases in one year.
SCNAR26M34	\$1.60	SCNAR26M34	\$1.06	Removed sub-job E14322	Sub-job E14322 has been removed as it is the electrical phase of sub-job E14321, which has been included for 2014, and it would not be possible to construct both phases in one year.
SCNT47M1	\$6.58	SCNT47M1	\$7.76	Removed sub-job E12299	Sub-job E12299 was in the May 2012 filing, with a construction year of 2014. While it should have been in the Oct. 2012 filing with a construction year of 2013, it was omitted from the Oct. 2012 filing in error. THESL continued with the construction of sub-job E12299 in 2013 as other sub-jobs were dependent on its completion. Sub-job E12299 was completed earlier this year and therefore has been removed from this filing.
				Added sub-jobs E12288 and E12300	
SCNT47M3	\$0.79	SCNT47M3	\$2.56	Replaced the electrical phases of E12126 and E12127 with new sub-jobs E11628 and E11629	In the May 2012 filing and the October 2012 update, sub-jobs E12126 and E12127 were each presented as two sub-jobs, one for the civil phase and one for the electrical phase. Each phase had its own estimate number. The design costs for the electrical phases were approved by the OEB in Phase 1. For administrative reasons, THESL has replaced the electrical phases with two new sub-jobs, E11628 and E11629. The scope of work remains unchanged. THESL has included these two new sub-jobs in the 2014 program, with their construction costs, in order to complete the work as initially planned in the May 2012 filing.

Original 2014 Job List		Revised 2014 Job List			
Underground Rehabilitation of Feeder	Job Cost (\$M)	Underground Rehabilitation of Feeder(s)	Job Cost (\$M)	Changes to Job	Reasons for Changes to Job
				Added sub-jobs E12234 and E12235	Sub-jobs E12234 and E12235 were in the May 2012 filing with a construction year of 2014. Their costs were revised in the October 2012 update to include only design costs. The design costs for these two sub-jobs were approved by the OEB in Phase 1. THESL has included these two sub-jobs in the 2014 program, with their construction costs, in order to complete the work as initially planned in the May 2012 filing.
				Removed sub-job E12128	Sub-job E12128 has been removed due to the complexities associated with constructing a set of sub-jobs in one area. Note that sub-jobs E11628 and E11629 are related phases to sub-job E12128 and are included in 2014.
SCNT63M12	\$2.62	SCNT63M12	\$1.72	Removed sub-job E14011	Sub-job E14011 has been removed as it is the electrical phase of sub-job E13152, which has been included for 2014, and it would not be possible to construct both phases in one year.
SCNT63M4	\$3.16	SCNT63M4	\$1.90	Removed sub-job E14330	Sub-job E14330 has been removed as it is the electrical phase of sub-job E14327, which has been included for 2014, and it would not be possible to construct both phases in one year.
SCNT63M8	\$2.25	SCNT63M8	\$1.35	Removed sub-job E13044	Sub-job E13044 has been removed due to the complexities associated with constructing a set of sub-jobs in one area. Note that sub-jobs E13042 and E13043 are related phases to sub-job E13044 and are included in 2014.
				Removed sub-job E14047	Sub-job E14047 has been removed as it is the electrical phase of sub-job E13267, which was approved by the OEB in Phase 1 but will not be completed until 2014, and it would not be possible to construct both phases in one year.

RESPONSES TO SCHOOL ENERGY COALITION ON PHASE 2, ISSUE 7

1 **INTERROGATORY 9:**

2 **Reference(s): Exhibit 9, Schedule B1-B2**

3

4 For each segment, please explain where applicable, why jobs have increased in costs?

5

6 **RESPONSE:**

7

8 **B1 Segment: Underground Infrastructure**

9 Please refer to the response to SEC Interrogatory 8.

10

11 **B2 Segment: Paper Insulated Lead Covered Cable - Piece Outs and Leakers**

12 While one piece out and leakers job (Gerrard) appears to have increased in cost, this is
13 due to its combination with another job (Basin). The net cost of the work (i.e., the two
14 jobs taken together) did not change.

**RESPONSES TO SCHOOL ENERGY COALITION ON PHASE 2,
ISSUE 7**

1 **INTERROGATORY 10:**

2 **Reference(s): Exhibit 9, Schedule B3**

3 **Exhibit 9, Schedule B3, page 2**

4

5 Please explain in greater detail the significant increase in handwell unit replacements in
6 2014 than had been projected in the original evidence.

7

8 **RESPONSE:**

9 Please refer to the response to AMPCO Interrogatory 9a.

**RESPONSES TO SCHOOL ENERGY COALITION ON PHASE 2,
ISSUE 7**

1 **INTERROGATORY 11:**

2 **Reference(s): Exhibit 9, Schedule B4, page 1**

3

4 Please explain how the Applicant determined that improved reliability in certain job area
5 boundaries warranted deferral of the project.

6

7 **RESPONSE:**

8 Please refer to the response to AMPCO Interrogatory 10.

RESPONSES TO SCHOOL ENERGY COALITION ON PHASE 2, ISSUE 7

1 **INTERROGATORY 12:**

2 **Reference(s): Exhibit 9, Schedule B20, page 3**

3

4 What is the failure rate of the current phone-line based collector system? What is
5 considered an acceptable failure rate for such a system?

6

7 **RESPONSE:**

8 Over the past three years, THESL has experienced multiple collector failures due to
9 hardware/software issues with the physical metering or data collection components.

10

11 The number of collector replacements for the past three years are as follows:

12 2011: 87 collectors

13 2012: 63 collectors

14 2013: 225 collectors (as of October 2013)

15

16 In addition to the above, THESL also experiences frequent temporary failures due to
17 communication issues with phone lines, which prevent the downloading of data. In 2013
18 alone (as of October), THESL experienced 1,761 “collector down” days due to temporary
19 failures caused by phone line issues. On average this translates into 5.8 collectors down
20 on a daily basis due to phone line communication issues

21

22 THESL is not aware of an acceptable failure rate for these collectors. However, two-
23 thirds of the failures over the past three years have been the result of capacity and
24 memory issues. These memory issues are further aggravated by the deployment of large
25 numbers of bi-directional meters (for microFIT applications) as well as commercial
26 meters with 2 channels of 15 minute interval data (8 reads per hour) compared to a

RESPONSES TO SCHOOL ENERGY COALITION ON PHASE 2, ISSUE 7

- 1 standard residential meter with only 1 channel of hourly data (1 read per hour). The
- 2 memory limitations are not an issue in newer collectors, which contain an expanded
- 3 memory board and have sixteen times the capacity of first generation collectors.