



CANADIAN NIAGARA POWER INC.

A FORTIS ONTARIO
Company

April 18, 2013

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

Dear Ms. Walli:

**RE: ARGUMENT-IN-CHIEF FOR THE EAST-WEST TIE LINE DESIGNATION – BOARD FILE NUMBER:
EB-2011-0140**

Please find accompanying this letter two (2) copies of CNPI's Argument-In-Chief submitted to the Board by Canadian Niagara Power Inc.

A PDF version of this document will, coincidentally with this written submission, be filed via the Board's Regulatory Electronic Submission System.

If you have any questions in connection with the above matter, please do not hesitate to contact the undersigned at (905) 994-3634.

Yours truly,

Original Signed By:

Douglas Bradbury P.Eng,
Director Regulatory Affairs

Enclosure

(page left blank intentionally)

ONTARIO ENERGY BOARD

IN THE MATTER OF sections 70 and 78 of the
Ontario Energy Board Act, 1998, C. S.O. 1998, c.15
(Sched. B);

AND IN THE MATTER OF a Board-initiated proceeding
to designate an electricity transmitter to undertake
development work for a new electricity transmission line
between Northeast and Northwest Ontario: the East-
West Tie Line.

EB-2011-0140

Application for Designation

East-West 230kV Tie
(Network Expansion)

Argument-In-Chief

Submitted by:

Canadian Niagara Power Inc.

A Fortis Company

(page left blank intentionally)

EAST-WEST TIE DESIGNATION

| | |
|---|----|
| (A) SUMMARY OF THE APPLICATION | 4 |
| 1. <i>Organization</i> | 4 |
| 2. <i>First Nation and Métis Participation</i> | 5 |
| 3. <i>Technical Capability</i> | 5 |
| 4. <i>Financial Capacity</i> | 6 |
| 5. <i>Proposed Design for the East-West Tie Project</i> | 7 |
| 6. <i>Schedule</i> | 7 |
| 7. <i>Costs</i> | 8 |
| 8. <i>Landowner, Municipal and Community Consultation</i> | 8 |
| 9. <i>First Nation and Métis Consultation</i> | 9 |
| 10. <i>Distinguishing Features of the Application</i> | 10 |
| | |
| (B) COMPARISON OF APPLICATIONS | 12 |
| 1. <i>Aboriginal Equity Participation</i> | 12 |
| 2. <i>Aboriginal Consultation</i> | 20 |
| 3. <i>Project Costs</i> | 22 |
| 4. <i>Project Schedule</i> | 29 |
| 5. <i>Project Design</i> | 36 |
| | |
| (C) OTHER FACTORS | 38 |
| | |
| (D) CONCLUSION | 41 |

1 **A. SUMMARY OF THE APPLICATION**

2 **1. Organization:**

3 The applicant is Canadian Niagara Power Inc. ("CNPI"), a licensed transmitter (ET-
4 2003-0073) with transmission facilities in and around the area of Fort Erie, Ontario, as
5 well as a transmission interconnection to New York State. CNPI is a subsidiary of
6 FortisOntario Inc., which is wholly owned by Fortis Inc. ("Fortis"). Fortis is the parent
7 company to a number of transmission and distribution utilities. Fortis is the largest
8 investor-owned distribution utility in Canada, with total assets of \$14 billion and fiscal
9 2011 revenues totaling \$3.7 billion. Fortis serves approximately 2,000,000 gas and
10 electricity customers, and currently operates 4,285 km of electricity transmission lines
11 and associated substations, and 3,000 km of gas transmission pipelines. As part of
12 Fortis, CNPI has access to a wealth of transmission experience and expertise that
13 would ensure the successful development, construction and operation of the East-West
14 Tie project (the "East-West Tie Project" or the "EWT").

15
16 In addition to drawing on the expertise and experience within Fortis, CNPI has
17 assembled a team of experts who bring relevant expertise to the East-West Tie Project.
18 Members of the CNPI team include Fortis employees, CNPI's First Nations partner Lake
19 Huron Anishinabek Transmission Company Inc., and the engineering firms of Neegan
20 Burnside, an Aboriginal owned firm, and TRC Engineers who will assist on, among
21 other things: design; permitting; consultations; project management; and construction.
22 The team also includes legal experts Davies Ward Philips & Vineberg LLP and Andrew
23 Taylor of the Energy Boutique.

24
25 The applicant and its team have a great deal of recent experience managing projects
26 relevant to the East-West Tie Project, including the Waneta Hydro 230kV Transmission
27 Project, Okanagan 230 kV Transmission Reinforcement, Mt. Hayes Natural Gas
28 Storage/Transmission Project, Nk'Mip (East Osoyoos) Transmission and Substation

1 Project and the Newfoundland Multi-Year Transmission Line Rebuild Project. These
2 projects are described at s. 2.3 of the Application, page 28.

3
4 **2. First Nation and Métis Participation:**

5 CNPI has formed a joint venture with Lake Huron Anishinabek Transmission Company
6 Inc. ("LHATC"). LHATC is made up of 21 First Nations who are signatories or are
7 adherent to the Robinson-Huron Treaty of 1850. Two of the 21 signatories are on the
8 Ontario Power Authority's East-West Tie list of affected First Nations. LHATC, along
9 with other interested and affected Aboriginal communities, will have the right to acquire
10 in aggregate up to a 49% equity interest in the East-West Tie Project. CNPI will
11 undertake an assessment to quantify the potential impacts on affected First Nations and
12 Métis communities, which amount could be counted toward the participating
13 communities equity participation.

14
15 As well, First Nation and Métis participation opportunities will also include employment
16 opportunities, an apprenticeship training fund for Aboriginal candidates to become
17 power line technicians, preferential consideration will be given to Aboriginal businesses
18 and a unique Skill Builder Program will be used for Aboriginal youth to educate and train
19 them for potential employment in the utility construction industry.

20
21 **3. Technical Capability:**

22 The CNPI technical team is comprised of employees from Fortis, LHATC, and CNPI's
23 external consultants which include TRC Engineers and Neegan Burnside. The CNPI
24 technical and management team is based in Ontario.

25
26 The Fortis component of the team includes multiple utility-experienced persons. This
27 team has expertise, experience, and the technical capability to engineer, plan,
28 construct, operate and maintain the line. Members of this team have worked on
29 projects of equivalent nature, magnitude and complexity. Fortis has experienced

1 transmission and distribution crews located at the Wawa Service Centre along with its
2 helicopter partners in Wawa and Marathon that will allow for a quick response to any
3 trouble issues along the East-West Tie.

4
5 TRC engineering has a power delivery staff of approximately 500 experienced project
6 managers, engineers, planners, and support staff. Its engineers have designed more
7 than 3,000 miles of 69 kV, 115 kV, 138 kV, 230 kV, 345 kV, and 500 kV transmission
8 lines.

9
10 Neegan Burnside has 15 Aboriginal employees in engineering, environmental and
11 support services representing 15 separate Aboriginal communities in Ontario and
12 Manitoba. Together with its partner R.J. Burnside and Associates, Neegan Burnside
13 has access to over 330 professional staff. R.J. Burnside and Associates provides
14 infrastructure, engineering and consulting services both in Canada and internationally.

15
16 **4. Financial Capability:**

17 Fortis has sufficient capital resources under its \$1 billion committed revolving corporate
18 credit facility to finance the development and construction of the East-West Tie Project.
19 The facility provides more than sufficient liquidity to proceed and could be used to
20 completion. There will be no requirement for new bridge financing or to initially access
21 capital markets to raise funds. Fortis carries an investment grade rating of A- from
22 Standard & Poor's and A (low) from DBRS. Over the past two-years, Fortis and its
23 subsidiaries have made capital expenditures in excess of \$2 billion while maintaining
24 strong credit ratings and has raised over \$4 billion in the capital markets over the last
25 five years. Fortis confirms that assistance in financing a participating equity interest will
26 be available to its Aboriginal partners.

1 **5. Proposed Design for the East-West Tie Project:**

2 CNPI submitted its application based on the Reference Option as defined by the OEB in
3 its letter to transmitters dated December 20, 2011, and as more particularly described in
4 the IESO Feasibility Study, Report 0748, published August 18, 2011.

5
6 For the proposed 400 km line, CNPI's Plan is for 1,335 structures, which are required
7 based on an average spacing of 300 m. The majority of this line is expected to be
8 double circuit steel lattice towers. The tower designs being considered by CNPI have
9 been used in Ontario and Alberta. Double circuit steel monopoles will be considered for
10 this project and may possibly be utilized in several areas.

11
12 As proposed by the IESO Feasibility Study, Report 0748, CNPI's application is based on
13 1192.5 kcmil 54/19ACSR conductor. During the development phase, final conductor
14 selection will be confirmed based on an economic analysis considering the initial cost,
15 expected load, and cost of losses.

16
17 CNPI's new line, in conjunction with the existing tie, will provide total eastbound and
18 westbound capabilities in the order of 650MW, while respecting all NERC, NPCC and
19 IESO reliability standards. As an owner and operator of both transmission and
20 distribution facilities in Ontario, CNPI would continue to own and operate the East-West
21 Tie Project after it is constructed.

22
23 **6. Schedule:**

24 CNPI estimates that it can complete development of the East-West Tie Project by June,
25 2017 upon approval of its Environmental Assessment ("EA"). CNPI has allowed
26 sufficient time in its EA schedule for proper environmental studies and input from
27 Aboriginal communities and the public. CNPI estimates that it can have the line in
28 service by December, 2019. If designated, CNPI will attempt to reasonably expedite the
29 completion of the project to the best of its abilities.

1 **7. Costs:**

2 CNPI estimates in 2012 dollars that its development costs will be \$23,969,000,¹ and its
3 construction costs will be \$526,761,000,² for a total development and construction cost
4 of \$550,730,000. CNPI has spent \$200,000 on the preparation of the application and
5 estimates that it will incur an additional \$100,000 to achieve designation.³ It estimates
6 its standalone OM&A costs to be \$1,684,500.⁴

7
8 **8. Landowner, Municipal and Community Consultation:**

9 Fortis maintains access and land rights for thousands of kilometers of existing right-of-
10 way. Establishing new right-of-way is a standard function at each Fortis utility. For the
11 East-West Tie Project, CNPI will create a property rights and acquisition office that will
12 report to the existing Engineering Department. This office will identify all properties
13 impacted by the East-West Tie Project, as well as property required for access and
14 temporary working areas. The property rights and acquisition office will be respectful of
15 existing land owner rights, as well as the rights of other interested parties. CNPI
16 believes that it is the best interests of the successful execution of the project to have an
17 open, fair and consistent process to deal with all land rights issues.

18
19 While the proposed route has been identified as primarily parallel to the existing 230kV
20 line based on the Reference Option, the route has not been studied in detail levels
21 similar to the EA process for purposes of this Plan. CNPI did complete a flyover of the
22 existing line and observed several locations where the proposed line may be required to
23 deviate from an absolute parallel line. CNPI has considered an alternate corridor, which
24 adds approximately 25 kilometers. Detailed environmental and engineering analysis will
25 be required to determine the final route. CNPI believes that the cost of the additional

¹ CNPI response to Interrogatory #26 (All Applicants)

² CNPI response to Interrogatory #26 (All Applicants)

³ CNPI Application section 8.1 (Page 111 of 160)

⁴ CNPI response to Interrogatories #26 and #29 (All Applicants).

1 towers and conductor will be offset by the savings obtained in the cost to construct
2 access routes and environmental requirements.

3
4 CNPI has a long established practice of stakeholder engagement at the local levels.
5 For over a decade, CNPI's northern utility (Algoma Power Inc.) has held annual
6 stakeholder meetings with each of its 13 communities plus 4 First Nation communities
7 served directly by its distribution system covering topics such as capital projects,
8 environment, public safety, customer service and rates. CNPI anticipates utilizing
9 existing stakeholder engagements to discuss the local issues and concerns with respect
10 to the EWT. Where new community stakeholder relationships need to be established, a
11 similar framework would be introduced.

12
13 **9. First Nation and Métis Consultation:**

14 Fortis has significant experience in several Canadian jurisdictions working with
15 Aboriginal communities. Fortis has engaged in limited partnerships and long-term
16 leases with Aboriginal communities and multiple other programs.

17
18 CNPI is committed to working closely and cooperatively with the Crown to ensure that
19 the duty to consult with Aboriginal communities and groups is fulfilled. An Aboriginal
20 Consultation and Engagement Plan will be developed at the start of the EA, which treats
21 engagement with First Nations and Métis on an equivalent basis. LHATC will also
22 provide advice and assistance as required during the consultations. CNPI has engaged
23 Neegan Burnside to assist CNPI in performing First Nations and Métis consultations.
24 The various associates of the firm have been providing services to First Nation and
25 Métis communities for over 40 years and offer a true understanding of Aboriginal culture
26 that allows effective and successful consultations with Aboriginal communities.

27
28 Consultation and engagement with Aboriginal groups will provide project-related
29 information in an easily accessible and understandable format. Specifically, the project

1 team will seek information from Aboriginal groups with regard to land use and treaty
2 rights, traditional ecological knowledge, archaeological sites, sacred sites and burial
3 grounds. Communities will be asked to comment on the proposed EA and fieldwork
4 methodologies to obtain baseline information. Aboriginal community members will be
5 invited to form part of field teams, either as guides or assisting with archaeological
6 fieldwork. Traditional knowledge of the study area by elders will be sought. The study
7 team will endeavor to address all issues raised by Aboriginal communities with regard to
8 potential impacts associated with their interests.

9
10 CNPI acknowledges the Ministry of Energy's expectation regarding the delegation of the
11 procedural aspects of the Crown's duty to consult with Aboriginal communities, and
12 confirms that as the designated transmitter CNPI will enter into a memorandum of
13 understanding with the Ministry of Energy that will set out the respective roles and
14 responsibilities of the Crown and CNPI in consultation.

15
16 **10. Distinguishing Features of the Application:**

- 17 • CNPI has existing Aboriginal participation and a plan for further participation by
18 First Nation and Métis communities.
- 19 • CNPI's plan for Aboriginal equity ownership will benefit the greatest number (37)
20 of Aboriginal communities (including the eighteen set out in the OPA's list of
21 Crown identified Aboriginal communities).
- 22 • Fortis' experience and financial capacity associated with being the largest
23 investor owned distribution utility in Canada.
- 24 • Fortis' long-term profile as an owner and operator of electricity transmission
25 assets in Ontario and other jurisdictions.
- 26 • CNPI's smaller transmission presence in Ontario (compared to incumbent HONI)
27 creates greater opportunity to increase competition in Ontario's transmission
28 sector.

- 1 • Fortis' local knowledge of the transmission and distribution systems in the East-
2 West Tie area of Ontario.
- 3 • Existing work centre located in Wawa, Ontario, staffed with Transmission
4 experienced employees.
- 5 • Regulatory track record and experience in Ontario and other jurisdictions in
6 which Fortis operates.
- 7 • An experienced team with an innovative approach to Aboriginal participation,
8 communications, and project management.
- 9 • Fortis' established track record for successfully completing major utility projects.
- 10 • CNPI is an existing transmitter with all of the regulatory and operating
11 requirements necessary to carry on business consistent with good utility practice
12 in Ontario.
- 13 • Innovative information technology proposal to develop SAP and GIS inventory
14 tracking system to increase efficiency and reduce cost to the rate payer.
- 15 • Fortis' track record of successfully financing significant capital programs/projects.

1 **B. COMPARISON OF APPLICATIONS**

2
3 In order to assist the Board with its evaluation of the applications in this proceeding,
4 CNPI has undertaken a comparative analysis of the following key topics:

- 5 1. Aboriginal Equity Participation;
6 2. Aboriginal Consultation;
7 3. Project Costs;
8 4. Project Schedule; and
9 5. Project Design.

10
11 In addition, CNPI has highlighted certain issues that are of concern and should be
12 considered by the Board is designating the transmitter for the East-West Tie Project.

13
14 **1. Aboriginal Equity Participation**

15 CNPI submits that Aboriginal equity participation in the EWT should be a fundamental
16 consideration of the Board when evaluating the EWT applications. This assertion is
17 founded in Ontario's Long Term Energy Plan, which provides:

18
19 *"Ontario will encourage transmission companies to enter into partnerships with*
20 *aboriginal communities, where commercially feasible and where those communities*
21 *have expressed an interest."*

22
23 While Ontario's Long Term Energy Plan also describes an expectation of other forms of
24 Aboriginal participation in transmission projects such as job training, employment and
25 participation in the procurement of supplies and contractor services, it specifically and
26 separately encourages "partnerships" with Aboriginal communities.

27
28 CNPI submits that the use of word "partnerships" in the Long Term Energy Plan
29 demonstrates the Ontario Government's expectation of Aboriginal equity participation.

1 As such, CNPI encourages the Board when evaluating the EWT applications to
2 consider the following issues related to Aboriginal equity participation as part of its
3 evaluation:
4

5 ***I. Does the equity participation proposed by the applicant apply equally to***
6 ***both First Nations and Métis communities?***
7

8 Based on the reasons set out in the Métis Nation of Ontario's letter to the Board dated
9 January 15, 2013, CNPI submits that it would be inappropriate for the Board to
10 designate a transmitter whose equity participation proposal discriminates between First
11 Nations and Métis communities.
12

13 ***II. Does the equity participation proposed by the applicant apply to both***
14 ***affected and unaffected/interested Aboriginal communities?***⁵
15

16 CNPI submits that equity participation proposals that are available to all Aboriginal
17 communities (i.e. not just those affected by the EWT) should be viewed more favourably
18 by the Board. In the Minister's letter to the Board dated March 29, 2011, the Minister
19 wrote, "*I would expect that the weighting of decision criteria in the Board's designation*
20 *process takes into account the significance of aboriginal participation to the delivery of*
21 *the transmission project...*" The Minister's letter did not distinguish between affected
22 and unaffected/interested Aboriginal participation. All Aboriginal participation is
23 encouraged. As such, CNPI submits that more inclusive Aboriginal equity participation
24 proposals should be viewed more favourably by the Board.

⁵ "Affected" refers to those communities identified by the Provincial Crown's letter dated May 31, 2011.

1 **III. How much equity will be made available to Aboriginal communities?**

2
3 The degree of equity made available to Aboriginal communities is also an important
4 consideration. More equity offered to Aboriginal communities demonstrates a greater
5 commitment to an Aboriginal partnership.

6
7 **IV. Realistically, is the applicant likely to achieve Aboriginal equity**
8 **participation within the proposed timeframe?**

9
10 CNPI understands that while the Board will not look more favourably upon First Nation
11 and Métis participation that is already in place, the Board invited applicants to
12 demonstrate the advantages of the type and level of participation they have in place.⁶
13 CNPI submits that the Board should not limit its evaluation of equity participation to
14 simply ascertaining whether an applicant proposes to offer Aboriginal equity
15 participation. Rather, the Board should consider whether it is realistic that an equity
16 partnership can be established by an applicant within its proposed timeframe. CNPI
17 submits that its current levels of Aboriginal participation through its MOU with LHATC
18 creates advantages in executing a plan for future participation.⁷ LHATC's leadership
19 and Board of Directors have working relationships and knowledge of the affected
20 Aboriginal communities that will assist CNPI in carrying out its plan for the New MOU
21 referred to in CNPI's application within the timeframes proposed.⁸ It can take many
22 years to enter into an equity participation agreement with multiple Aboriginal
23 communities. Relationships must be initiated and cultivated before any meaningful
24 negotiations can begin. Further, in addition to an applicant negotiating with prospective
25 Aboriginal communities, those Aboriginal communities must also negotiate with one
26 another. As well, new legal entities may have to be created (i.e. a limited partnership of
27 Aboriginal communities), Band Council Resolutions must be passed, and legal

⁶ Phase 1 Decision and Order, page 8.

⁷ CNPI Application page 38 of 160

⁸ CNPI Application page 41 of 160

1 documents must be drafted and executed. All of this takes time, likely years based on
2 CNPI's experience.

3

4 Just because an applicant proposes to offer Aboriginal equity participation, does not
5 mean that it will be successful in entering into a partnership, let alone doing so within
6 the proposed timeframe. Therefore, CNPI submits that the Board should consider
7 whether applicants realistically allocated sufficient time to successfully entering into
8 equity partnerships with Aboriginal communities.

9

10 ***V. Will the applicant loan money to its Aboriginal equity partners?***

11

12 In the absence of financial resources, it will be difficult for Aboriginal communities to be
13 equity participants in the EWT. As such, a proposal of equity participation without
14 corresponding financial assistance in the form of a loan from the applicant may be an
15 empty proposal. CNPI submits that the Board should consider the willingness of
16 applicants to offer loans when evaluating equity participation proposals.

17

18 The following table entitled "*Aboriginal Equity Participation Comparison*" compares the
19 applicants in regard to these issues:

1 **Aboriginal Equity Participation Comparison**

| | CNPI | ALT | RES | ELP | ICN | UCT |
|--|---|---|---|--|--|--|
| Equal Opportunity for Equity Participation for First Nation and Métis? | Yes | Yes | Yes | No - equity only available to Bamkushwada LP | No | Unclear |
| Equity Participation Available to both Affected and Unaffected/Interested Aboriginal Communities? ⁹ | Yes | No - equity participation available only to affected communities | No - equity participation available only to affected communities | No - equity participation available only to Bamkushwada LP | No | Unclear |
| Amount of Equity Available | 49% | 49% ¹⁰ | 20% ¹¹ | 33.33% ¹² | 0% (at this time) ¹³ | Not stated ¹⁴ |
| Is the timeframe realistic? ¹⁵ | Yes - equity participation partially arranged | Contact has been made, unknown whether equity participation discussed | Contact has been made, unknown whether equity participation discussed | Yes –exclusive equity participation arranged | Since ICN is not planning to offer equity participation at this time, it is unlikely they have started any process wrt. equity participation | No formal contact with any communities has been made, unknown whether equity participation discussed |
| Will the applicant loan money to Aboriginal equity partners? ¹⁶ | Yes | Yes, if necessary | No | Yes, if necessary | No | No |

⁹ Data from responses to Interrogatory #6 (All Applicants).
¹⁰ ALT Interrogatory response #6 (All Applicants).
¹¹ RES Application (D-2-1) First Nations and Métis Participation Plan Report, page 7.
¹² ELP Application (Part A, Exhibit 2, Page 2 of 28).
¹³ ICN Interrogatory response #10 (All Applicants).
¹⁴ UCT Appendix 5 to Application
¹⁵ Data from responses to Interrogatory #11 (All Applicants)
¹⁶ Data from responses to Interrogatory #8 (All Applicants).

1 Based on this table, CNPI raises the following concerns about the applicants' Aboriginal
2 equity participation proposals:

- 3 • ELP is not willing to offer equity participation to Métis communities, even those that
4 are affected by the EWT. Further, ELP is only providing equity to the six First
5 Nations partners of Bamkushwada LP and not to any other affected or
6 unaffected/interested Aboriginal communities. Finally, ELP's 33.33% equity
7 participation is quite limited.
- 8 • Neither ICN nor UCT seem committed to offering any equity participation.
- 9 • RES's proposed 20% maximum equity participation is quite limited.
- 10 • It appears that ALT, ICN, UCT and RES have not made any real progress in
11 developing equity participation, and it is therefore questionable whether they will be
12 able to finalize equity participation within the proposed timeframe.
- 13 • ICN, UCT and RES do not seem willing to loan money to their Aboriginal equity
14 partners.

15
16 CNPI's Aboriginal equity participation proposal does not have any of these shortcomings.
17 Rather CNPI's overall Aboriginal equity participation proposal is the strongest for the
18 following reasons:

- 19 • it offers the most equity (49%, tied with ALT);
- 20 • it is the most inclusive as it offers equal participation to First Nations and Métis, as
21 well as affected and unaffected/interested communities, resulting in the highest
22 potential number of Aboriginal equity participants:
- 23 • it is willing to loan money to its Aboriginal equity partners; and
- 24 • it can realistically achieve Aboriginal equity participation within the proposed
25 timeframe.

1 As can be seen from the following table entitled “*Potential Aboriginal Equity Participants*”,
2 CNPI’s plan for Aboriginal participation benefits potentially the greatest number of
3 Aboriginal communities.

4 **Potential Aboriginal Equity Participants**

| | CNPI | ALT | RES | ELP | ICN | UCT |
|---|------------------|-----|-----|-----|-----|-----|
| No. of Potential Aboriginal Equity Participants | 37 ¹⁷ | 18 | 18 | 6 | 0 | 0 |

5
6 Fortis began working on an Aboriginal relationship several years ago when it was invited
7 by LHATC to begin discussions with a view of possibly forming a partnership. Fortis’
8 focus was to take the time to get to know each other and work with its Aboriginal partners
9 to build mutual trust and knowledge of the regulatory process starting with the 2010 OEB
10 policy entitled “*Framework for Transmission Project Development Plans*”. By building
11 relationships with First Nations communities interested in developing transmission
12 projects in Ontario and participating in the process, both Aboriginal and Fortis personnel
13 developed knowledge of the regulatory process around designation, issues of concern to
14 LHATC and the communities it represents, and trust with First Nations leadership. Fortis’
15 experience has found that these relationships take many years to foster. The relationship
16 with LHATC was developed over a four year period, and has allowed the joint venture
17 Management Committee formed pursuant to the MOU between FortisOntario and LHATC
18 to consider alternate strategies and ownership possibilities with other Aboriginal partners
19 in the project. Given the timeframe required to develop and construct the EWT, the
20 applicants who have merely initiated contact or have held brief meetings (ALT, RES, ICN,
21 and UCT) will likely find that their plans for participation will take much longer to
22 implement than allowed for in their schedules. Alternatively, Aboriginal participation and
23 consultations will get inadequate attention by these applicants (ALT, RES, ICN and UCT)
24 who have tight project schedules, and have not provided for the time to get these
25 participation relationships in place.

¹⁷ 21 communities in LHATC plus the 18 communities identified by the Crown, two of which are in LHATC.

1 Most of the applicants were applying for transmission licenses in 2010, while Fortis
2 concentrated its time on relationship building with First Nations. While these other
3 applicants were capable of initiating contact with Aboriginal communities, they either
4 chose not to or were unsuccessful in developing meaningful and binding relationships
5 (ALT, RES, ICN and UCT). It is this group that seems to be relying upon correspondence
6 or conversations from the Ministry, OPA and/or OEB as being an indication that they
7 should forgo all discussions with these communities until they have been designated.
8 Meantime, Fortis has had and continues to hold numerous meetings over this two year
9 time frame with its LHATC partners in connection with the designation proceeding and the
10 application.

1 **2. Aboriginal Consultation:**

2

3 Fortis' experience in major projects and relations with Aboriginal communities in Ontario
4 has allowed it to set the most realistic in service date of 2019. The "tick off the box" (ALT,
5 RES, ICN, UCT) and exclusive Aboriginal arrangement (ELP) applicants have been
6 unrealistic in setting their in service dates. Perhaps this is a combination of the following:
7 a lack of experience in Aboriginal relations in Ontario; and an intention to keep out
8 Aboriginal communities from meaningful participation in the process. This can be seen by
9 the other applicants' (ALT, RES, ELP, ICN, UCT) proposals which have scheduled EA
10 field work before submission of their EA terms of reference. Their assumption is that the
11 field work will be carried out in line with their plan without any changes from the EA terms
12 of reference review, which means no changes resulting from Aboriginal consultations.
13 CNPI questions whether these applicants take Aboriginal consultations seriously if they
14 are planning to ignore their input in the EA process. The Board may take the approach
15 that comments on the "Environmental Assessment" aspect of the designation application
16 are to be dealt with by the EA process and its regulators; however, environmental
17 assessment aspects must be considered by the OEB as they have a direct impact on the
18 in service date, which is a criterion for OEB designation. Also, it is important for the OEB
19 to understand which applicant has the highest degree of competence in order to be able
20 to successfully complete the EA process within a reasonable timeframe. CNPI raised this
21 concern numerous times in its submission of proposed interrogatories (see IR #'s 7, 8, 9
22 and 10 in section 7.2 Development Phase interrogatories directed to ALT, RES, ELP, IC
23 and UCT submitted to the Board Secretary under cover letter dated January 30, 2013),
24 and continues to maintain that the other applicants have made serious flaws in their
25 unrealistic assumptions for an in service date. One of the applicants, ALT, has confirmed
26 that "*There was no direct involvement by First Nations or Métis communities in the*
27 *development of the current draft Terms of Reference*".¹⁸ These flawed assumptions pose
28 real concerns not only about the proposed in service dates, but more importantly about

¹⁸ ALT response to Interrogatory #2, page 57 of 68 (ALT Specific).

1 the lack of consideration being given by the other applicants to Aboriginal and public input
2 into the process.

3
4 The proper approach is that being taken by CNPI. Its timing is realistic and respectful of
5 Aboriginal and public input. CNPI's proposal is to get terms of reference reviewed and
6 submitted prior to carrying out field work. It involves and anticipates thoughtful Aboriginal
7 and public input. In the end, CNPI has scheduled for the time to properly carry out
8 consultations and get EA approval, and it has set a realistic in service date of 2019. The
9 other applicants not only risk negative reaction from Aboriginal communities, but in the
10 end will likely have project delays and possibly cost increases resulting from their
11 intransigence, which will push their in service dates beyond 2019.

1 **3. Project Costs:**

2

3 In order to assist the Board with its comparison of applicant costs, CNPI has prepared a
4 total project cost comparison. By "total project cost", CNPI is referring to the sum of
5 developments and construction costs (both with IDC and contingencies as stipulated in
6 the filing requirements and IR #26 issued by the Board), plus a present value of future
7 OM&A costs.

8

9 CNPI has set out a table below entitled "*Total Project Cost Comparison*" that compares
10 the applicants' total project costs to create an "apples to apples" comparison:

1
 2

Total Project Cost Comparison

COST SUMMARY (\$000's)

| | CNPI | ALT | RES | ELP | ICN | UCT |
|---|---------|---------|---------|---------|---------|---------|
| Development Activity (A) | 23,969 | 18,178 | 21,530 | 23,720 | 45,541 | 22,187 |
| Construction Activity Subtotal | 400,764 | 454,098 | 341,700 | 406,000 | 419,540 | 341,804 |
| IDC or AFUDC (See Note 1) | 45,844 | 35,000 | 35,000 | 28,000 | 34,333 | 35,000 |
| Contingency (See Note 2) | 80,153 | 95,902 | 50,200 | 56,000 | 33,018 | 35,708 |
| Construction Activity Total (B) | 526,761 | 585,000 | 426,900 | 490,000 | 486,891 | 412,512 |
| Development + Construction (A+B) | 550,730 | 603,178 | 448,430 | 513,720 | 532,432 | 434,700 |
| Present Value of OM&A (C) (See Note 3) | 36,068 | 36,400 | 47,106 | 152,668 | 117,766 | 95,220 |
| Total Project Cost (A+B+C) | 586,798 | 639,578 | 495,536 | 666,388 | 650,198 | 529,920 |

Notes:

1. IDC or AFUDC

ALP, RES and UCT did not include interest during construction estimates, as required in IR #26. CNPI used the average of the other applicants to estimate the impact of this cost and used \$35 million as a placeholder for comparison.

2. Contingency

ALP did not include a contingency but rather a possible range. In order to estimate for comparison purposes, CNPI estimated the contingency to be equal to the top of ALP range (excluding the AFUDC).

3. Present Value of OM&A

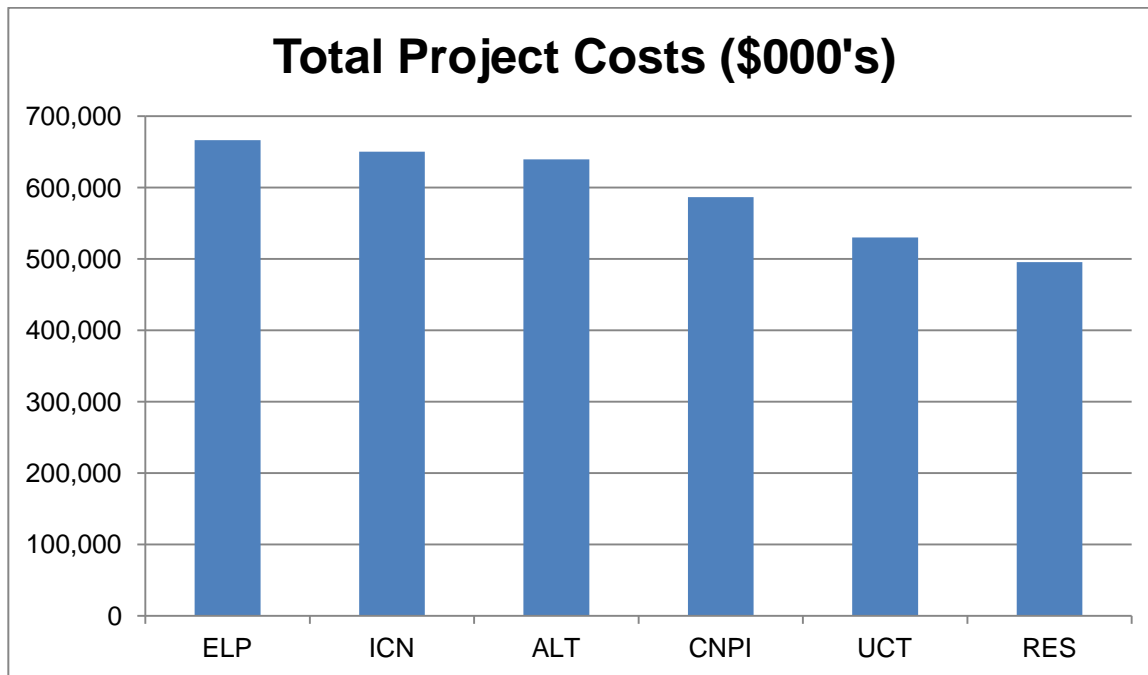
CNPI used each applicant's OM&A response to IR#26, escalated the costs at 2% for inflation for each of the 50 year project life. CNPI then discounted the OM&A cash flows using the deemed weighted average cost of capital from the February 13, 2013 Board letter.

3

1 The following bar Chart #1 illustrates the applicants' total project costs, arranged from
2 highest to lowest:

3
4

Chart #1



5
6

7 It is apparent from this bar chart that ELP's, ICN's and ALT's total project costs are similar
8 and significantly higher than UCT's and RES'. CNPI's total project costs are competitive,
9 being just below the average for all the applicants. Nevertheless, CNPI submits that the
10 Board should conduct a deeper assessment of the applicants' project costs, rather than
11 relying on a total project cost comparison. CNPI has set out some further issues for the
12 Board to consider below.

13

14 ***I. Has the applicant made realistic cost assumptions at this stage of the***
15 ***project?***

16

17 Developing cost estimates for the designation application requires making assumptions
18 because of the unknowns at this stage of the process. For example, submitting more
19 accurate cost estimates would require knowing the specific route, which can only be

1 determined with certainty after the completion of the EA, Aboriginal consultations and line
2 design. As well, estimates on future commodity prices such as steel, aluminum, concrete
3 and labour rates cannot be known as this stage.

4
5 At this stage in the designation proceeding, CNPI believes its completed level of
6 engineering is appropriate. As noted on page 117 of CNPI's application, CNPI expects to
7 issue two additional estimates as the scope is further refined through the EA and Section
8 92 (as approvals for design are issued). An engineering estimate with lower
9 contingencies will be issued before material is ordered and construction bid.

10
11 CNPI notes that other applicants have spent significantly more speculative funds in
12 preparation of their designation applications, but CNPI has not observed any significant
13 differences in the conclusions presented. CNPI proposes that its team will perform in a
14 similar manner over the life of the project, providing high quality at a lower cost relative to
15 the other applicants. Other applicants have presented additional studies and reports as
16 part of their plans implying a higher level of certainty than "conceptual". However, to
17 imply engineering conclusions with the multiple unknowns involved and without the
18 benefit of actual design is unrealistic. To do so would also indicate that a large portion of
19 the average \$22 million in development cost will not be necessary after all.

20
21 ***II. Does the applicant have realistic contingencies to address risks and***
22 ***uncertainties that are unknown?***

23
24 CNPI has elected to submit the expected maximum cost to complete the project. It has
25 done so to illustrate to the board the indicative cost of performing all of the necessary
26 steps, in the correct order, using conservative input price estimates and full contingency.
27 CNPI expects to refine and lower its estimates as the project moves forward. CNPI has
28 considered double circuit construction with full width right-of-way, tight spacing on
29 deadend structures to limit cascade failure opportunities, short average spans, and
30 appropriate tower loadings in the conceptual estimate. CNPI expects to reduce cost as
31 final design progresses and appropriate cost-saving opportunities are investigated, while

1 meeting or exceeding all design requirements. This philosophy is opposite to the some
2 applicants that have submitted low conceptual estimates with multiple limiting criteria.
3 ALT, UCT, and RES chose to exclude interest during construction which is a standard
4 cost for construction projects in Ontario. UCT has also excluded certain land acquisition
5 costs (see UCT response to IR #26 Attachment 1).

6
7 **III. What are the applicants estimated OM&A Costs?**

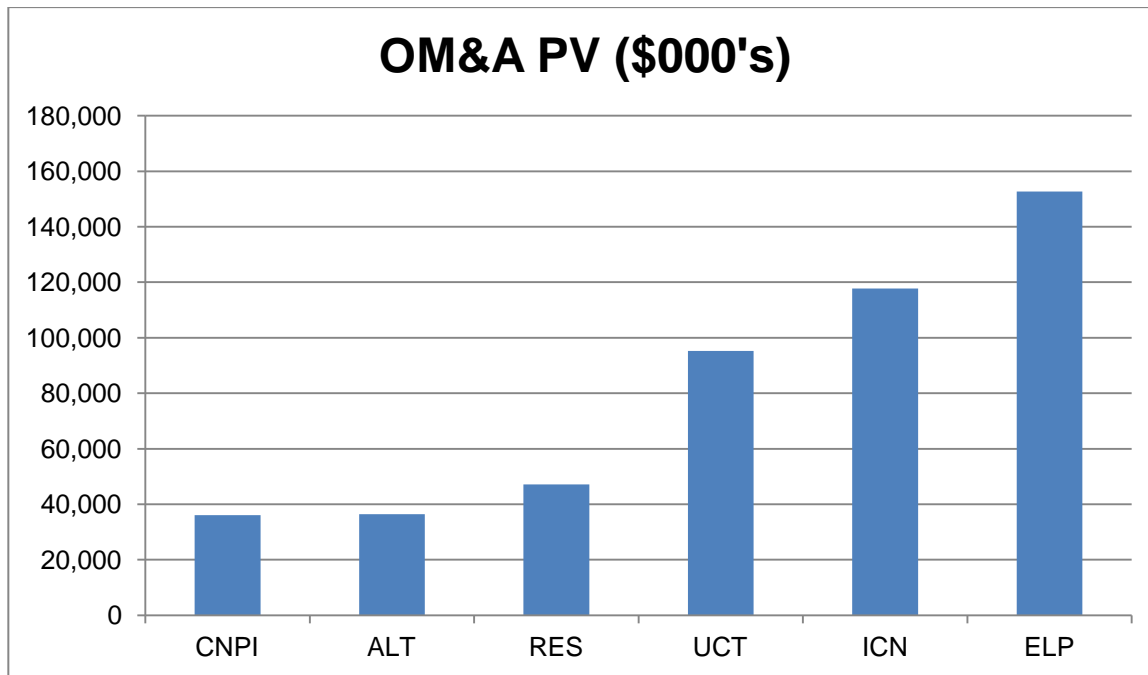
8
9 CNPI submits that greater emphasis should be placed on estimated OM&A costs over
10 other project costs for the following reasons:

- 11 i. The present values of OM&A costs are significant, and much higher than
12 estimated development costs (especially for ELP, UCT and ICN).
13 ii. OM&A cost estimates are more reliable at this stage of the project than
14 conceptual construction costs.
15 iii. CNPI as an operator of transmission systems in Ontario can accurately
16 estimate OM&A costs for the project.

17 The present value of the applicants' OM&A cost estimates from the Total Project Cost
18 Comparison table above are illustrated by the following bar Chart #2 (from lowest to
19 highest):

1

Chart #2



2

3

4 CNPI provided an OM&A cost estimate for the line in the amount of \$1,684,500,¹⁹ which
5 calculates to a present value of approximately \$36 million. CNPI's OM&A is the lowest,
6 likely because it has an existing transmission and distribution business operating in
7 Ontario and proposes to utilize its OEB approved cost allocation methodology for shared
8 services in connection with the EWT assets²⁰. Some of Fortis' operations are located in
9 Northern Ontario in the immediate vicinity of the East-West Tie Project. CNPI believes
10 that having an established utility in Ontario with operations that overlap with the EWT line
11 allows for the sharing of some fixed costs and development of further economies of scale.
12 With the maintenance centre at Wawa, no other applicant has the distinct advantage for
13 the availability of personnel and equipment on the eastern side of the East-West Tie.

¹⁹ CNPI response to Interrogatory #29 (All Applicants).

²⁰ CNPI response to Interrogatory #29 (All Applicants).

1 CNPI has estimated a lower cost than other applicants. With the wide variation in those
2 estimates, it is probable that each applicant has a different definition of what may be
3 required. However, CNPI believes its estimate to be complete. CNPI looked at the
4 published HONI cost of OM&A and notes that ELP has estimated a cost for the East-West
5 Tie that is even higher than the established HONI cost of OM&A over their entire system.
6 A table entitled "*HONI Annual OM&A Cost per km*" is set out below.

| HONI Annual OM&A Cost per km | | |
|---|---------------|-----------|
| | HONI | ELP |
| OM&A | \$440,300,000 | 7,100,000 |
| km | 29,000 | 400 |
| \$/km | \$15,183 | \$17,750 |

8
9 CNPI would have expected to see some economy of scale, not an increase. CNPI
10 believes that the high cost of OM&A may be an indicator that competition in Ontario is
11 entirely appropriate.

12
13 In conclusion on the topic of project costs, CNPI submits that its projected costs are the
14 most desirable for the following reasons:

- 15 • CNPI's total project costs are neither troublingly high nor suspiciously low;
- 16 • it put forward maximum cost estimates with the expectation of reducing costs as
17 the project moves from the conceptual phase to the design phase (i.e. as
18 opposed to providing unrealistically competitive costs that will likely increase in
19 the design phase); and
- 20 • the present value of CNPI's OM&A cost estimate, which is based on experience
21 and represents a significant portion of the total project cost, is the lowest.

1 **4. Project Schedule:**

2 The in service dates proposed by the applicants in their applications are set out in the
3 following table entitled "*Proposed In Service Dates*":
4

5 **Proposed In Service Dates**

| CNPI | RES | ALT | ELP | ICN | UCT |
|-----------|-----------|-----------|-----------|-----------|-----------|
| Dec. 2019 | Dec. 2018 | Nov. 2018 | Nov. 2018 | Oct. 2018 | Dec. 2017 |

6
7 CNPI submits that the EA process, if not conducted properly, can adversely impact an
8 applicant's project schedule (and costs) by delaying or even stopping development
9 activities. CNPI is concerned that the proposed in service dates of the other applicants
10 (RES, ALT, ELP, ICN and UCT) are unrealistic for reasons related to their time estimates
11 for the EA process. Furthermore, the reduced schedules proposed by others may result
12 in poor quality EA work and risk approval/schedule delays.
13

14 ***Schedule for EA Development Work:***

15 CNPI's concerns are summarized by the following table entitled "*East-West Tie*
16 *Development Phase – EA and Scheduling Table*", and is followed by a discussion of the
17 key components in the table.

EAST-WEST TIE DEVELOPMENT PHASE – EA AND SCHEDULING TABLE

| Applicant Name | | CNPI | ALT | RES | ELP | ICN | UCT | Typical MOE, EA Requirements ²¹ |
|----------------|---|-------------------------|-------------------------|-------------------------|-------------------------|-------------------------|-------------------------|---|
| 1 | Proposed EA submission dates | Sept. 2016 | Sept 2014 | Jan 2016 | Apr. 2016 | Aug. 2015 | Oct. 2014 | |
| 2 | Proposed EA Approval Granted by MOE | Jun. 2017 ²² | Jul. 2015 ²³ | Aug. 2016 ²⁴ | Nov. 2016 ²⁵ | Dec. 2015 ²⁶ | Aug. 2015 ²⁷ | 28.5 to 43.5 months ²⁸ |
| 3 | Pass /Fail - Proposed Schedule of Applicants compared against MOE Typical Requirements (assumes OEB Designation June 1, 2013) ²⁹ | Pass | Fail | Pass | Pass | Pass | Fail | If from a start time of June 1, 2013, EA approval takes (minimum time) 28.5 months- critical approval date would be Oct. 2015 |
| 4 | Pass /Fail - Proposed Schedule of Applicants compared against MOE Typical Requirements (assuming OEB Designation June 1, 2013). | Pass | Fail | Fail | Fail | Fail | Fail | If from a start time of June 1, 2013, EA approval takes 43.5 months- approval date would be Jan. 2017 |
| 5 | Additional Time allowance for Government Review of EA submissions ³⁰ | Yes | No | No | No | No | No | N/A |
| 6 | Time allowance (in months) to prepare Terms of Reference (ToR) ³¹ | 12 | 3 | 12 | 11 | 7 | 4.5 | 6 to 9 |
| 7 | Approval time (in months) estimated for ToR approval by MOE ³² | 6 | 3 | 3 | 3 | 4 | 4.5 | 3 |
| 8 | Additional time in included schedule for Consultations | Yes | No | No | No | No | No | Encouraged |
| 9 | Does EA work start before ToR submission | No | Yes | Yes | Yes | Yes | Yes | MOE guidance indicates EA work should not start before ToR completion ³³ (see footnote ref. #1) |
| 10 | Time allowance for additional seasons field studies | Yes | No | No | No | No | No | Prudent to include |

²¹ MOE, 2009, Code of Practice – Preparing and Reviewing Terms of Reference for Environmental Assessments in Ontario, Pg.8, and MOE, 2009. Code of Practice – Preparing and Reviewing Environmental Assessments in Ontario, Pg.13 and Pg. 36.

²² CNPI: Appendix S, Pg.849 of 897.

²³ ALT: Appendix 16, Pg.2 (or Pg. 632 of 635).

²⁴ RES: TAB N-1-2, Pg. 1-5 of 37 (or Pg. 76-80 of 492 in “Ex_MtoP” document).

²⁵ ELP: Part B, Exhibit 7, Pg. 154 of 231 in Part 2 document; Part B, Exhibit 7, Appendix 7A, Pg. 193 of 231 in Part 2 document; and Part B, Exhibit 7, Appendix 7C, Pg.197 of 231 in Part 2 document

²⁶ ICN: Section 7, Appendix B, Pg.144 of 914.

²⁷ UCT: Appendix 15, Pg. 1 (or Pg. 1070 of 1098).

²⁸ A total time of 28.5 to 43.5 months typical for EA approval (with no mediation or tribunal) (see also footnote ref.#1).

²⁹ Bruce to Milton Transmission Line Actual time took 63 Months.

³⁰ Government review times are specified under O.Reg. 616/98.

³¹ Bruce to Milton Transmission Line took over 10 months (including 3 amendments time).

³² Bruce to Milton Transmission Line took 8 months after initial submission (including time for 3 amendments).

³³ EA field work not required prior to ToR approval (reference also made to make sure a preferred alternative is not selected prior to commencement of EA).

Note: Red indicates failing grade or applicant does not meet requirements.

1 CNPI submits that the other applicants' schedules, proposed EA initiation and approval
2 time estimates do not account for adequate approval and government review wait times.
3 CNPI has included the appropriate time in its schedule in accordance with government
4 legislative requirements, guidance documents and standards. Rows 1 and 2 in the EA and
5 Scheduling Table show the proposed EA submission and approval dates for each
6 applicant. Pass/Fail scores were assigned for those who met or exceeded the Ministry of
7 Environment ("MOE") typical schedules. Row 3 shows whether the applicants have
8 proposes dates that meet or pass the MOE's minimum schedules for production of a
9 typical EA. Two applicants ALT and UCT have proposed schedules that would not even
10 meet (described as "Fail" in the EA and Scheduling Table) the minimum MOE time for
11 production of a typical EA. As shown in Row 4 of the EA and Scheduling Table, only CNPI
12 has proposed a schedule that meets (described as "Pass" in the EA and Scheduling
13 Table) the MOE's expected scheduled time for production of an EA of this magnitude in
14 Ontario. The Bruce to Milton example discussed below demonstrates that CNPI's
15 schedule is the most reasonable. The CNPI team also provided for appropriate extended
16 allowance for government review times (which often happens in projects of this size), as
17 shown in row 5 of the EA and Scheduling Table. Given the nature and complexity of this
18 project, CNPI submits that its development schedule is the most realistic.

19
20 CNPI submits that the Bruce to Milton Transmission Line Expansion described in ELP's
21 application is probably an appropriate example of a recent transmission line EA in
22 Southern Ontario. That project took 63 months (5.25 years) to complete from the EA
23 notice of commencement to the in service date. It should be noted for comparison
24 purposes that the EWT Project involves a transmission route that is more than twice as
25 long as the Bruce to Milton project, with considerably more Aboriginal communities
26 affected, as well as much more difficult access and climatic constraints. CNPI's schedule
27 in its application proposed starting the EA process in March 2013 based on the
28 assumption that designation would occur late in February 2013. CNPI's schedule has
29 enough time built into it to accommodate OEB designation in June 2013. This would
30 translate to 6.5 years with an in service date of December 2019. This is only 15 months

1 longer than the Bruce to Milton project for a project twice the size and arguably one that is
2 much more difficult to undertake.

3

4 ***EA Terms of Reference:***

5 The first step in the EA process involves development of a Terms of Reference ("ToR").
6 The Ontario Environmental Assessment Act (the "EA Act"), section 6.1(1) requires that
7 that the EA be prepared in accordance with an approved ToR. Section 5.1 of the EA Act
8 states, that consultation with "such persons as may be interested" should take place
9 during the preparation of the formal ToR. Section 6.0(3) further requires a proponent to
10 describe this consultation and its results in a "Record of Consultation" for the ToR. The
11 development of the ToR does not start until formal notice to the public and Aboriginal
12 communities has been provided. This important document must specifically identify the
13 detailed consultation plans and nature of environmental impact and field studies among
14 other matters that will follow. As a matter of law, it must also include the requirements of
15 Section 6.1(2) for the consideration of alternatives, including alternative transmission
16 routes. Rows 6 to 8 compare applicants proposed schedules to MOE typical schedules.

17

18 As indicated in Row 9 of the EA and Scheduling Table, all of the applicants other than
19 CNPI (ALT, UCT, RES, ICN and ELP) propose to start natural heritage, archeological and
20 other field work on a preselected route (or routes) in advance of ToR formal submission or
21 before the ToR document is approved. This presents potentially serious limitations and
22 implications on how interested parties will view this most important first step in the
23 approvals process and their rights to have their voices heard during the development
24 phase approvals process. The applicants who are proposing to start work prior to ToR
25 approval by MOE could have schedule and work adjustments should the approved ToR
26 requirements be different from those submitted. CNPI has proposed a schedule that
27 allows time for proper ToR development, consultation and approval prior to starting its EA
28 field work - all in accordance with MOE requirements.

29

30 Further, both ALT and UCT have identified only one route and no alternatives. CNPI
31 questions how these applicants will manage requests for consideration of alternatives

1 during the ToR development without either scheduling or cost revisions. Furthermore,
2 CNPI does not believe that these applicants can satisfy the anticipated Aboriginal and
3 public comments on alternative routes and the requirements under the EA Act to consider
4 alternatives as required under section 6.1(2).

5

6 Local and Aboriginal communities can justifiably be expected to react negatively when
7 important alternatives (particularly alternative routes and many other environmental
8 requirements of the EA process) have already been assumed to be fixed and limited by
9 many of the applicants. A strong negative reaction can be expected if the proposed route
10 or studies are limited with respect to issues that are of concern to interested parties. As a
11 result, both the project schedule and even its approval potential can be negatively
12 affected. The above issues could potentially lead to legal or other delaying challenges
13 later – and claims of a flawed planning process under the EA Act.

1 Furthermore, consultation is a critical element to the success of an EA and any project of
2 this magnitude. Where a consultation team has not been identified such as is the case
3 with ICN, we submit that the OEB should factor the associated risks into its designation
4 assessment.

5
6 **Field Work:**

7 CNPI believes that the OEB should also carefully consider the EA technical field work
8 schedule of the other teams. Minimum field work covering a full year is expected to be a
9 requirement by the Ministry of Natural Resources (“MNR”) and other agencies. Spring is
10 one of the critical seasons for work and if competitor’s schedule misses this season the
11 work will have to be completed in the next year. MNR has been very firm on this point in
12 experience with a number of recent projects. Also, if environmental constraints are found
13 during this work that necessitate route re-examination or examination of a different route
14 to avoid the environmental factor of concern, as indicated in row 10 of the EA Table, the
15 schedules of the other applicants do not provide any time for this work prior to EA
16 submission. The CNPI submission provides additional time to accommodate adaptive
17 field work and allows for:

- 18 • Delays in OEB selection of the designated applicant;
19 • Agency, Public and Aboriginal consultation on the field program;
20 • Appropriate timing for field studies (i.e. spring/summer/winter);
21 • Possible change or amendment to the preferred route as the project and
22 consultation progresses; and,
23 • Unanticipated findings in the field which may necessitate route refinement and/or
24 further field study.

25 The other applicants have not allowed for the required flexibility to accommodate these
26 anticipated scenarios in their field work schedule.

27
28 In conclusion on the topic of scheduling, the consensus among the applicants seems to
29 be that construction requires two years. Less agreement exists among the applicants
30 with the proposed development schedule. CNPI submits that as long as four years will be

1 required to complete all consultations, field studies, and approvals. CNPI suggests that
2 the in service date submitted in its application is the most likely, despite not being the
3 most ambitious. CNPI would expect to meet or improve on its in service date, as
4 compared to other applicants who will likely request change orders to extend the dates.
5 In order to provide an expedited in service date, the other applicants have put detailed
6 route field work before approval of the ToR. This has serious implications for the required
7 Aboriginal and public consultations. In doing so, the other applicants are creating an
8 impression that they do not take the EA approvals and consultation process seriously,
9 thereby raising question as to how Aboriginal concerns that may be expressed during the
10 development planning process will be received by the applicants. We submit that quality
11 of the EA work is important not only to the project schedule, but to the potential for project
12 approval and is one of the important keys to a successful project.

1 **5. Project Design:**

2
3 Paragraph 6.3 of the Filing Guidelines requires an affidavit from the applicant confirming
4 that:

5
6 *"...the line will be designed to meet or exceed the Board's Minimum Technical*
7 *Requirements; or documentation of where the applicant seeks to differ from the Minimum*
8 *Technical Requirements and evidence as to the equivalence or superiority of the*
9 *proposed alternative option."*

10
11 On its face, this filing requirement serves the purpose of ensuring design proposals either
12 meet the Board's Minimum Technical Requirements, or are equivalent or superior from a
13 reliability perspective. It is not an option to propose a design that: (i) does not meet the
14 Board's Minimum Technical Requirements; or (ii) is less reliable, even if the proposed
15 design may be less expensive.

16
17 ELP concluded that only 40 meters of right of way is appropriate,³⁴ as compared to the
18 minimum criteria of 50 meters, which was specifically described in the criteria as "for
19 comparison".³⁵ ELP describes its reference option as "essentially compliant with the
20 Board's minimum technical requirements".³⁶ CNPI submits that because ELP's proposal
21 fails to meet the Board's Minimum Technical Requirements, it should be disregarded. It
22 would be extremely unfair for the Board to consider design proposals that are not
23 compliant with the Board's own requirements set out in its Phase 1 Decision and Order.

24
25 Further, CNPI submits that single circuit alternatives (ELP, RES) that are not supported
26 by evidence of equivalent or superior reliability should be disregarded. Neither ELP nor
27 RES provided supporting evidence of equivalent or superior reliability. In fact, ELP has
28 indicated that the single circuit alternative is less reliable than the double circuit

³⁴ ELP's Application, page 5 of 231

³⁵ Appendix A, Minimum Design Criteria, November 9, 2011, page 14 of 16.

³⁶ ELP's Application, page 14 of 231, line 9

1 alternative.³⁷ If the OEB had wanted applicants to propose alternatives that sacrifice
2 reliability for cost or other system performance variables, it would have suggested this in
3 its Filing Requirements. The single circuit option is not equivalent or superior, it is
4 cheaper. As such, CNPI submits that all single circuit options should be disregarded.

³⁷ ELP Application, page 16 of 231, line 14.

1 **C. OTHER FACTORS**

- 2 • **Ontario Based Solution.** Most applicants have submitted East-West Tie
3 proposals based largely on technical/management support and significant
4 ownership from out of Canada (Isolux – ICN, NextEra – UCT, RES) and/or out of
5 province (ALT). CNPI’s Canadian proposal is an Ontario based transmission
6 solution with its management and technical teams based primarily in Ontario. In
7 addition, CNPI has available line crews and service centres located in the vicinity
8 of the East-West Tie.
- 9
- 10 • **Organizational Capability.** The other applicants have very loose organizational
11 charts proposed for the East-West Tie Project with functional departments
12 identified but little or no Ontario personnel committed to the project (ALT teams is
13 Calgary based, RES has a single functional organizational chart for all three
14 phases with only eight high level positions filled, ELP has numerous unfilled
15 positions in the construction and operations phases, ICN has no O&M chart, and
16 UCT uses the same team for all three phases, and has not identified operations
17 and maintenance personnel)³⁸. CNPI does not have that issue and has identified
18 the qualified personnel and organizational charts for the project development and
19 construction phases, as well as for the operation and maintenance phase.
- 20
- 21 • **Joint Developer Risks.** Other applicants (ELP, RES, ICN and UCT) represent
22 joint developers that present issues regarding the allocation of risk between them
23 at all stages of the project. This can create duplication of costs, governance
24 challenges which can translate into project execution and completion risk with
25 associated costs to rate payers. For example, if the project encounters material
26 overages are all owners jointly and severally liable? As a sole developer/operator,
27 CNPI does not have this issue and does not present this type of risk to rate payers.

³⁸ Applicants’ responses to Interrogatory #1 (All Applicants)

- 1 • **Guyed Structures Risks.** Other applicants (ELP and UCT) are proposing guyed
2 structures in proximity to an existing right-of-way known by the public to have
3 unguyed structure. Guyed wire structures present public safety risks resulting from
4 the public coming into contact with the guyed wires. Experience in Northern
5 Ontario indicates that transmission right-of-ways are popular paths for use by the
6 public and specifically Aboriginal communities for many activities including all-
7 terrain vehicles. CNPI is proposing steel lattice towers which do not present this
8 public safety risk. An added benefit is that steel towers are much less likely to
9 experience cascade failure than guyed structures.

- 10
11 • **Environmental Assessment (“EA”) Credibility.** The other applicants (ALT, RES,
12 ELP, ICN, and UCT) have estimated shortened schedules and in service dates.
13 These applicants have not estimated adequate EA approval and review wait times.
14 In addition, they have proposed work on EA components in advance of Terms of
15 Reference submission or approval. Further, their schedules do not provide
16 sufficient time for Aboriginal and public input including the environmental studies
17 required in the planning process. These flaws pose credibility concerns for all of
18 the other applicants and potentially jeopardize their ability to obtain project
19 development approval under EA. CNPI has scheduled adequate time frames for
20 EA studies, approval and review, including Aboriginal community and public input.

21
22 CNPI submits that its proposed team has strong Ontario, and in particular,
23 Northern Ontario experience working with key stakeholders and First Nations in the
24 project area.

- 25
26 • **Cost of Preparing the Designation Application.** Other applicants have spent
27 and/or plan to spend exorbitant amounts in excess of \$ 1 million (ALT \$1.6
28 million³⁹, ELP \$1.5 million, ICN \$1.5 million, RES \$1.5 million, UCT \$1.4 million) to

³⁹ ALT response to Interrogatory #8 (ALT Specific)

1 prepare their applications and complete the designation process⁴⁰. ALT initially
2 failed to provide this information and did not respond to this filing requirement in its
3 application. These applicants have delivered similar engineering design,
4 development and construction, operations and maintenance, regulatory, and
5 environmental approval project plans to CNPI's plan along with similar
6 qualifications. CNPI has concerns that rate payers will bear the costs of these
7 excessive expenditures (either directly or indirectly), regardless of the claims by
8 certain applicants (ALT, RES, ELP and UCT) that they will not seek recovery.
9 CNPI has been the most fiscally prudent in the designation proceeding with respect
10 to expenditures (spending approximately \$300,000 for the designation application
11 and proceeding), and has achieved the same or better quality of application. CNPI
12 has demonstrated a cost management discipline that the other applicants have not,
13 and which CNPI proposes to follow for the remainder of the East-West Tie Project.
14

- 15 • **Alternate Rate Structures.** Other applicants (UCT, ALT, and RES) have raised
16 the notion of alternate rate structures; however, their proposals raise further
17 questions and uncertainties about the review/settlement processes and/or
18 specifics. For example, UCT has tabled a form of performance rate making
19 construct. Despite the Board's attempt to clarify the proposal by way of
20 interrogatory, the concept remains nebulous at best.⁴¹ CNPI submits that these
21 proposals ought not to be included in the Board's consideration of the applications.

⁴⁰ Section 8.1 of the Applications.

⁴¹ UCT Interrogatory response to Interrogatory #11 (UCT Specific)

1 **D. CONCLUSION**

2 For the reasons set out herein, CNPI submits that it should be designated to develop the
3 East-West Tie Project. To summarize:

- 4 • CNPI's Aboriginal equity participation proposal is the strongest;
- 5 • all of the other applicants have proposed or started EA field work before
6 submission of environmental ToR, which implies a lack of respect for the Aboriginal
7 consultation process;
- 8 • CNPI's estimated project costs are the most desirable for the following reasons:
 - 9 ➤ CNPI's total project costs are neither troublingly high nor suspiciously low;
 - 10 ➤ CNPI's has submitted the lowest OM&A estimate, which represents a
11 significant portion of total project cost over the 50 year life of the line.
12 OM&A is more reliably estimated at this stage of the project than are
13 construction costs;
 - 14 ➤ Because of multiple unknowns in the construction costs at this stage, CNPI
15 put forward maximum construction cost estimates with the expectation of
16 reducing costs as the project moves to the design phase (i.e., as opposed to
17 providing unrealistically competitive costs that will likely increase in the
18 design phase). As construction cost estimates are reduced through design,
19 the CNPI total project cost becomes even more competitive.
- 20 • CNPI's project schedule is the most realistic because it involves meaningful
21 consultations before ToR are developed.

22
23 Furthermore,

- 24 • CNPI is an established, reliable, respected utility in Ontario;
- 25 • CNPI's organizational teams for the East-West Tie Project development,
26 construction, and operation and maintenance are the most comprehensive and
27 qualified.
- 28 • CNPI and its parent company Fortis have the necessary regulatory, legal, and
29 financial capacity for the project;

- 1 • CNPI has established the necessary Aboriginal trust, procedures, and staff making
- 2 it most likely to be successful;
- 3 • CNPI understands the engineering and construction issues that will lead to a cost
- 4 effective, reliable design;
- 5 • As CNPI owns 0.3% of the pooled transmission assets in Ontario, its designation
- 6 would facilitate the Minister's goal of supporting competition in transmission in
- 7 Ontario;⁴² and
- 8 • CNPI has a regulatory track record and experience in Ontario.

⁴² Minister's letter to the Board dated March 29, 2011.