
Nova Scotia Utility and Review Board

IN THE MATTER OF

*The Maritime Link Act, S.N.S 2012 c.9
and the
Maritime Link Cost Recovery Process Regulation, N.S. Reg. 189/2012*

NSPML Quarterly Report Q1 2016

April 15, 2016

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1 **1.0 INTRODUCTION**

2

3 This is the Q1 2016 Quarterly Report for the Maritime Link as directed by the Utility
4 and Review Board (UARB) where the UARB ordered in its Supplemental Decision:

5

6 [115]....detailed reports must be filed by NSPML on a semi-
7 annual basis, on June 15 and December 15 each year. The reports
8 shall commence December 15, 2013. Updated status reports must
9 be filed quarterly.

1 **2.0 UPDATE OF PROJECT SCHEDULE WITH VARIANCE EXPLANATION**

2

3 As per Enerco U-31, sections 1.1, 1.2, and 1.3, this section provides an update on the
4 project schedule, along with a variance explanation and general status updates.

5

6 Please refer to Attachment 1 for the Level 1 Project Schedule.

7

8 **2.1 Gates and Milestones**

9

10 The Project remains on schedule for commissioning and commencement of
11 operations scheduled for Q4, 2017.

12

13 **2.2 Safety**

14

15 As previously reported, the project safety procedure review for new upcoming field
16 activities by contractors is continuing to be followed. In this quarter, safety reviews
17 included review of tasks such as delivery of materials to transmission line sites,
18 grouted anchor testing, work on steep slopes, stringing of conductors, and installation
19 of precast foundation. These reviews are in addition to the other safety activities
20 outlined in the Safety Plans for each site. As well, tool box safety meetings every
21 morning with each crew and Field Level Risk Assessments (FLRAs) are standard
22 activities.

23

24 **2.3 Abengoa Update**

25

26 In February 2015 NSPML entered into a contract with Abengoa S.A., a global
27 Spanish energy company, for the transmission line construction on the Maritime Link
28 Project. On November 25, 2015 Abengoa S.A. filed a notice under Spanish law, which
29 provides for pre-insolvency protection in Spain, giving the company up to 4 months to
30 reach an agreement with creditors to avoid a full insolvency process. In March 2016
31 Abengoa S.A. requested and has received Spanish court approval for the next steps to
32 implement a global restructuring plan.

In February 2016 NSPML reached an agreement to bring financial stability to Abengoa’s work on the Maritime Link Project, including by establishing a Project Account Agreement to help ensure timely payment of Abengoa subcontractors and suppliers. Monthly productivity targets have been established. NSPML continues to monitor Abengoa’s productivity and financial situation closely.

2.4 Commercial Activities

The key major procurement activities are presented in Table 1 with an update of the status for each initiative.

Table 1

Commercial Activity	Status in December 2015	Initiative Number	Status in April 2016
HVdc Submarine Cable Supply and Installation	The Contract was awarded to Nexans in January 2014.	E11-18	No Change
Converter stations, switchyards and related structures (“converters and structures”)	The Contract was awarded to ABB Inc. in June 2014.	E12-74	No Change
Right of Way Clearing along Transmission Lines	Contracts were awarded to Majors Logging Limited in NL, and R. MacLean Forestry in NS in February 2014.	E13-88	No Change
Transmission Structures and Grillages	The Contract was awarded to Kalpataru Power Transmission Ltd in September 2014 for design and delivery of Structures and Grillages.	E13-85	No Change

Commercial Activity	Status in December 2015	Initiative Number	Status in April 2016
Site Preparation Services (Includes construction of access road upgrades)	<p>The Contract was awarded to Joneljim Concrete Construction (1994) Ltd. for NS Site Preparation Services in September 2014.</p> <p>The Contracts were awarded to Marine Contractors Inc., MCI Limited Partnership for NL Site Preparation Services in September 2014.</p>	E13-92	No Change
Transmission Line Construction	The Contract was awarded to Abengoa S.A. in February 2015.	E13-95	No Change
Transmission Line Conductors	<p>The Contract for the supply of conductors was awarded to Midal Cables in March 2015.</p> <p>The contract for the supply of OPGW was awarded to Composite Power Group Inc. in June 2015.</p> <p>This is also within the scope of the E13-87 initiative.</p>	E13-87	<p>No Change</p> <p>No Change</p>
Horizontal Directional Drill (HDD) Construction Program	Contract negotiations remain in progress and the contract award is scheduled in the coming weeks.	E13-156	Contract awarded to Directional Horizontal Drilling (DHD) in January 2016.

Commercial Activity	Status in December 2015	Initiative Number	Status in April 2016
	E13-157 is scheduled to be awarded in January 2016.	E13-157	E13-157 was divided into two contracts. E13-157A was awarded to Schlumberger in March 2016 for the supply of HDD Fluids. E13-157B was awarded to Baker Hughes in April 2016 for the Supply of directional drilling services, drill bits and other services.
	E13-158 is scheduled to be awarded in Q1 2016.	E13-158	E13-158 was awarded to DOF Subsea in March 2016.
	The supply of the HDD casing (E15-238) was awarded to East Coast Tubulars Limited in October 2015.	E15-238	No change.
Accommodations Operations	The contract for the accommodations operations services was awarded to East Coast Catering in April 2015.	E13-89	No Change

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2.4.1 Land Access Agreements

NSPML has continued to progress the applications before the UARB pursuant to the Expropriation Act to determine the appropriate compensation for the remaining parcels. Applications involving unrepresented claimants were completed in March

1 2016. Applications will be made in Newfoundland and Labrador with respect to the
2 remaining parcels in that province once the arbitration panel processes have been
3 established. Rights associated with access trails, as well as additional easements
4 relating to guying anchors, are continuing in 2016, as necessary in both provinces.
5

6 **2.4.2 Funding**

7
8 As in prior months, Funding and Drawdown Requests containing comprehensive
9 details of costs for the upcoming month were submitted to the Collateral Agent and
10 Government of Canada as necessary, and all requested funds were received on
11 schedule. Please refer to Attachment 2 for the IE Draw Confirmation Certificates for
12 the period. These draws permit payments to Material Project Participants to be paid
13 with the proceeds of the ML Construction Loan under the payment terms of the
14 Material Project Documents and the ML Credit Agreement.
15

16 NSPML has reached its targeted Debt:Equity ratio of 70:30. This is consistent with
17 the terms of the Federal Loan Guarantee and with the UARB approval of the Project.
18 Future draws during construction will be from a combination of debt and equity with
19 the goal of maintaining the 70:30 Debt:Equity ratio as approved by the UARB.
20

21 **2.4.3 Joint Development Agreements**

22
23 NSPML continues to work with Nalcor and NS Power to finalize the remaining
24 operational agreements arising from the Formal Agreements with Nalcor.
25

26 **2.5 Engineering Activities**

27
28 Commissioning of the Maritime Link continues to align with the in-service target date
29 of Q4 2017. Engineering is captured in three main categories across several Work
30 Breakdown Structures (“WBS’s”):

- 1 • HVdc Submarine Cable Supply and Installation – cable design and manufacturing
2 is being engineered by the supplier of the cable, Nexans, which will include
3 performance criteria consistent with service life and reliability targets subject to
4 approval by NSPML. In this period, Nexans engineering activities continued. The
5 marine route study was optimized and is being finalized.
6
- 7 • The HDD bore trajectories were designed under a separate engineering initiative
8 (E12-51). The conceptual plans and profiles were developed by Hatch. The HDD
9 trajectory design was completed in March 2015 which provided the necessary
10 documentation for the procurement activities for the HDD construction services.
11 The contracting activities were finalized in this reporting period in advance of the
12 start of the HDD drilling program. Mobilization began in March and the drilling
13 starts at Cape Ray, NL in April 2016.
14
- 15 • HVdc Converters and Substations - engineering is included in the contract awarded
16 to ABB for the supply and installation of these assets. During this period,
17 engineering for the HVdc design of the Control and Protection system, civil
18 designs, the plant electrical mechanical designs and the system studies advanced.
19 Structural, electrical and station designs for the HVac systems for the Woodbine,
20 Granite Canal and Bottom Brook locations also advanced, gaining ground on the
21 progress which is modestly behind schedule at present.
22
- 23 • Overland Transmission and Switchyard/Grounding Sites – Designs for the
24 transmission and grounding lines are complete and modifications resulting from
25 the field construction activities are on-going. An alternative design for the
26 breakwater for Big Lorraine was completed in this period to improve
27 constructability. Design changes to the grounding sites electrical works were
28 completed and included with the documents for the procurement process.

1 **2.6 Submarine Cables (Marine)**

2

3 Manufacturing of the marine cable 1 began at the Futtsu manufacturing facility in July,
4 and was ahead of schedule in January. A manufacturing issue was encountered on
5 cable 1 during the lead sheath protection extrusion process, resulting in a stop of
6 manufacturing until quality controls were improved and trials were completed.

7

8 The second submarine cable will be manufactured in Halden in Norway. Preparations
9 for the start of production will begin in May 2016.

10

11 The manufacturing of the Land Cables for the Transition Sites was completed in
12 March and are ready for shipment in Q2.

13

14 **2.7 Horizontal Directional Drilling (HDD) Boreholes**

15

16 The contracting activities for the construction and installation of the HDD boreholes in
17 NS and NL were completed in this period. The drilling will commence at Cape Ray,
18 followed by drilling at Point Aconi in NS. The kick off activities by the Landfall
19 Drilling and Casing Installation (E13-156) contractor (DHD) began in January. All
20 planning and pre-construction deliverables for Cape Ray were completed including the
21 Environmental Management Plan, Safety Plan, Quality Management Plan, safety
22 training and risk reviews. Transportation of all equipment was executed based on the
23 approved Transportation Plan with safe transport through the town of Cape Ray being
24 a focus. Mobilization began in March and drilling will begin in April. The casing
25 (E15-238) is expected to arrive on site over several days in mid-April to ensure
26 organized delivery and storage procedures. Similar planning activities, deliverables
27 development, risk reviews and orientations were also undertaken by Schlumberger and
28 Baker Hughes (E13-157 A/B) who will supply the fluids, directional drilling services,
29 drill bits and other materials. Additionally, DOF Subsea (who will provide a marine
30 vessel and related services) will be on site for recovery of the drilling assembly.

1 The NL drilling program is scheduled to be completed by the end of Q2. Once the NL
2 component is completed, the drill rig will be moved for the start of the NS program
3 which is scheduled to be completed later in Q3.
4

5 **2.8 Converters and Substations**
6

7 ABB continued construction activities at Bottom Brook throughout the winter months
8 and made progress in the construction of the footings and foundations for both the AC
9 substation and the DC converter station. Construction at Woodbine was halted in
10 January for the winter and restarted in March. The manufacturing of precast
11 foundations by the supplier continued throughout this period. Manufacturing and
12 fabrication of several of the components and subsystems advanced with testing and
13 quality reviews being a primary focus for the overseas suppliers. Shipments of these
14 systems are scheduled to begin in the summer with deliveries expected to start in late
15 Q3.
16

17 **2.9 Right of Way Clearing Contractor(s) – Transmission Lines**
18

19 All remaining tree clearing and chipping was completed to achieve Substantial
20 Completion of the HVac line right of way clearing in March 2016. There is minor
21 stumping and cleanup to be completed which is in progress and Final Completion is
22 planned in the summer of 2016, depending on weather conditions. This work was
23 completed safely and ahead of schedule.
24

25 **2.10 Construction Contractor(s) – Transmission Lines**
26

27 Marshalling yards in NS and NL have been established and are operational. All
28 conductors and OPGW have been delivered. Structures, foundation grillages and other
29 hardware continue to arrive with completion expected in Q3 2016. The geotechnical
30 work along the DC transmission lines continued to confirm the soil conditions and
31 required foundation types.

1 Repairs to non-compliant steel components covered by the tower steel supplier were
 2 identified and will be completed in Q2.

3
 4 The following details in Table 2 provide a status of the construction activities for the
 5 transmission lines:
 6

7 **Table 2**

Transmission Line	Completion Target	Status
NL Grounding Line	April 2016	Framing and erection of poles and stringing of conductor advanced.
NL DC Transmission Line	April 2017	Installation of grillage foundations began in Q1.
NL AC Transmission Line	March 2017	Work started in February with erection of poles and movement of materials into the Granite Canal area.
NS Grounding Line	September 2016	Framing and erection of poles and stringing of conductor progressed.
NS DC Transmission Line	December 2016	Installation of foundations began in Q1 with one tower being erected.

8
 9 **2.11 Construction Contractor(s) – Site Preparation**

10
 11 In NL, site preparation was completed in Q4 with the exception of Cape Ray. The
 12 Cape Ray HDD Pad was completed in February in advance of the mobilization of the
 13 HDD contractors. The remaining work for the Transition Compound and access road
 14 will be completed in April.

15
 16 In NS, all site preparation work is complete.
 17

1 **2.12 Granite Canal Accommodations Operations**

2

3 The contract for the operations of the Granite Canal accommodations facility (E13-
4 89A) was awarded to East Coast Catering in April 2015. The camp has been in full
5 operation since July 2015.

6

7 **2.13 Grounding Sites**

8

9 The contract was awarded in October 2015 for the construction of the breakwater at
10 Indian Head in NL under initiative E13-102A. Planning and mobilization began in
11 October and construction began in November. Construction was halted in December
12 for the winter season. The work restarts in early April. The construction of the
13 remaining on-land portion of the work and the marine breakwater construction are
14 forecasted to be completed in the summer of 2016.

15

16 The contract for the NS Breakwater at Big Lorraine is scheduled to be awarded in Q2
17 2016 and construction is scheduled to start in June and be completed in Q3 2016.

18

19 Both scopes of work will be followed by the installation of the electrical equipment at
20 both Grounding Sites. The RFP for the NL Initiative (E13-103 A) was issued and is
21 scheduled to close in April 2016. The contract award is scheduled for July with work
22 to be completed in September 2016. The RFP for the NS initiative (E13-103B) is
23 forecasted to be issued in April and awarded by Q2 2016. The work is forecasted to be
24 completed in Q4 2016.

25

26 **2.14 Independent Engineer**

27

28 As indicated in the previous Quarterly Report, the last Independent Engineer (IE) site
29 visit was in November 2015; no corrective actions were identified in the site visit
30 report. Please refer to Attachment 3 for a copy of the site visit report from November.

1 Planning is underway for the IE site and factory visits in 2016. This will involve three
2 site visits (June, August, October) and two factory visits to ABB (April) and Nexans
3 (September) to align with the increase in construction and manufacturing activities this
4 year. Site visit reports will be filed in future Quarterly Reports in 2016 as completed
5 throughout the year.
6

7 **2.15 Technical Conference**

8
9 On February 23, 2016, NSPML held a Technical Conference to provide stakeholders
10 with an update on the status of the Maritime Link, including updates on safety,
11 construction, financing, and regulatory planning.
12

13 Please refer to Attachment 4 for a copy of the transcript from the Technical
14 Conference.

1 **3.0 UPDATED COST SUMMARY**

2

3 As per Enerco U-31, section 2.1, the detail below outlines the DG3 forecasted costs.

4

5 Table 3 below provides an updated cost summary for the Maritime Link, which
6 includes actual costs, incurred as of December 31, 2015 and forecasted costs for the
7 remainder of the Project's construction phase.

8

9 NSPML continues to track and report all costs, actual and forecast (2011-2017),
10 consistent with the methodologies used in the costs forecast represented in the ML
11 Project application, for inclusion in the final approved ML Capital Cost application.
12 Project costs include fully allocated costs for the entire Project Management Team,
13 including contractors, employees, executives dedicated to the project, and NS Power
14 seconded employees at affiliate mark-up rates according to the Code of Conduct for
15 Affiliate Transactions. All costs provided are in Canadian dollars.

16

17 Actual AFUDC is being tracked and recorded monthly. AFUDC remains within the
18 \$230 million amount estimated at the time of filing of NSPML's Application.

19

20 The project remains on target for completion in 2017 and within the approved budget
21 of \$1.577 billion.

1 **Table 3**

(000's of Canadian Dollars)	Actual Costs				Total Project to Date	Forecast				Total Project Estimate at Completion	
	2011-2013	2014	2015 Q1 - Q3	Q4 2015		Q1 2016	Q2 2016	Q3 2016	Q4 2016		2017 Q1 - Q4
Emera NL Project Management Costs	44,379	42,315	18,187	6,412	111,293	8,176.80	8,082.35	7,169.31	6,738.04	28,325.62	169,785
Nalcor Project Support Costs	-	15,232	449	(24)	15,658	42	58	58	58	232	16,105
Construction and Engineering Initiatives	14,975	167,980	207,040	52,710	442,704	83,035	151,436	152,024	156,136	231,774	1,217,110
Environmental Approval	2,651	4,378	765	317	8,111	221	3,360	1,126	1,513	9,220	23,551
Submarine and related	3,359	83,797	66,685	7,754	161,595	11,732	23,060	16,919	6,082	107,082	326,470
Converters, structures, and other ancillary equipment	1,517	48,747	81,832	24,362	156,459	38,161	80,397	76,243	103,117	85,787	540,163
AC and DC Transmission	7,448	31,057	57,758	20,276	116,540	32,920	44,619	57,737	45,425	29,685	326,926
Total	59,354	225,527	225,676	59,098	569,654	91,253	159,577	159,252	162,932	260,331	1,403,000
Escalation	-	-	-	-	-	-	671	671	671	33,340	35,354
Contingency	-	-	-	-	-	-	-	10,835	11,135	117,030	139,000
Grand Total	59,354	225,527	225,676	59,098	569,654	91,253	160,248	170,758	174,739	410,701	1,577,354

4 **Total Actual Project Costs at end of Q4, 2015 Compared to Previous Forecast**

6 The total actual project costs for Q4, 2015 were \$20.1 million less than the Q4 costs
7 forecasted in the NSPML Quarterly Report of December 15, 2015. The explanations
8 of the variances are as follows:

- 10 • Project management and other: \$0.5 million lower cost incurrence due to lower
11 spending on general and administration expenses including labour, legal,
12 regulatory and consulting.
- 14 • Environmental Approval: \$0.7 million lower cost incurrence due to lower
15 permitting and stakeholder engagement costs.
- 17 • Submarine and related: \$2.4 million lower cost incurrence due to rescheduled site
18 preparation activities at the Horizontal Directional Drilling (HDD) site at Cape
19 Ray, NL.
- 21 • Converters, structures and other ancillary equipment: \$6.0 million lower cost
22 incurrence due to rescheduling of the engineering and procurement activities for
23 the Converter / Substations supply contract.

- 1 • AC and DC Transmission: \$10.2 million lower cost incurrence attributable to
2 timing of the start of the construction of the DC lines, the construction progress of
3 the Grounding Lines and the delivery of structures, grillages and other materials.

4
5 The variances do not change the forecasted in-service date of Q4 2017 and project
6 remains within budget. Progress to date on Transmission Line Construction remains a
7 concern with Abengoa performance which will remain a key focus for the Project
8 Management Team.

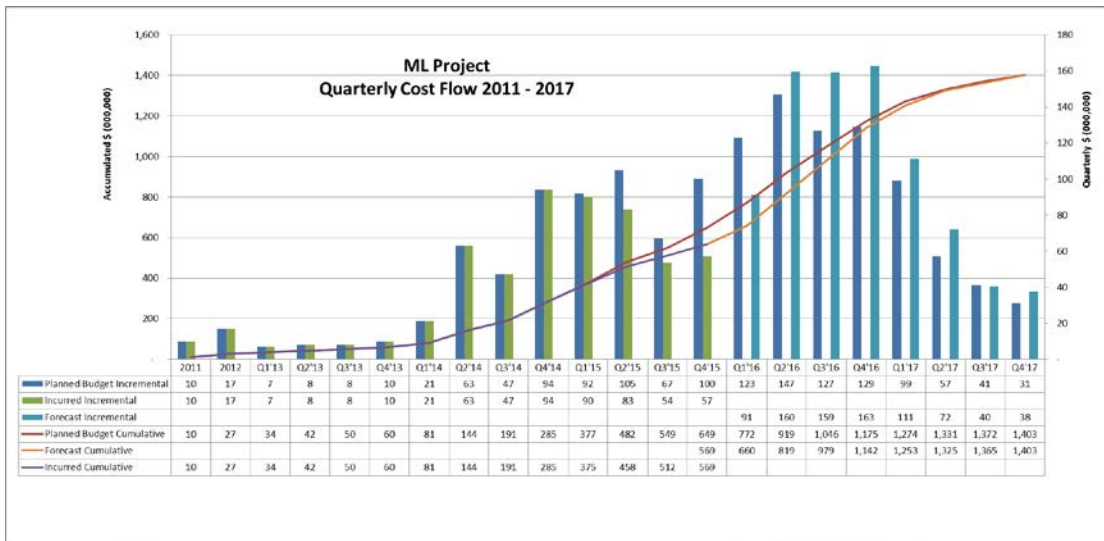
1 **4.0 COST FLOW**

2

3 As per Enerco U-31, section 2.2, please refer to Table 4 below for the cost flow until
 4 the Maritime Link is commissioned. This cost flow provides a base capital spending
 5 forecast of \$1.403 billion. Escalation and contingency in the amount of \$174 million
 6 will be allocated to appropriate accounts if and when necessary to account for
 7 expenditures associated with project risks. The total of the base capital spending,
 8 escalation, and contingency amounts remains at \$1.577 billion.

9

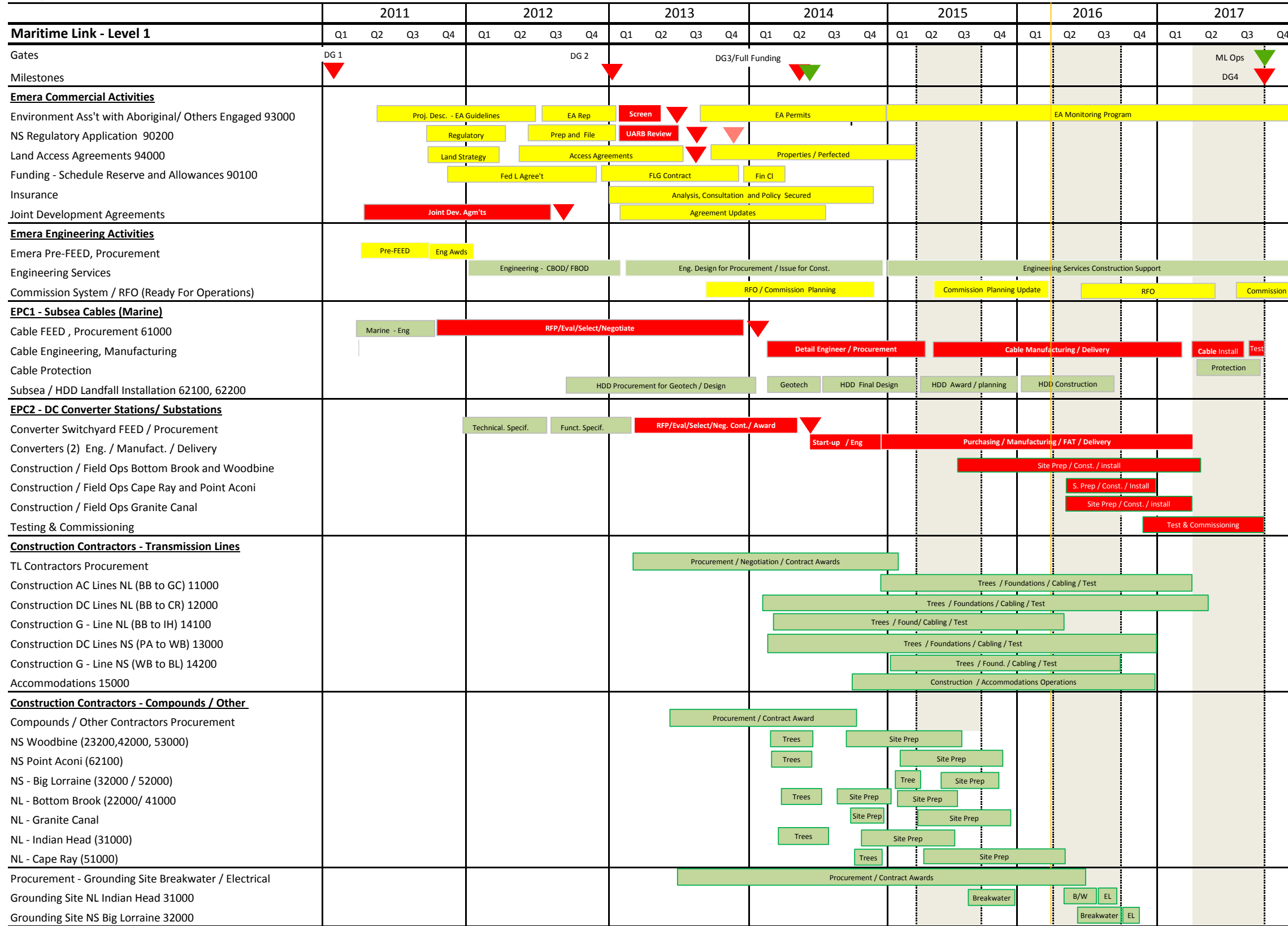
10 **Table 4**



Maritime Link Project Level 1 Project Schedule

Project Level 1 Schedule

Mar 1



SCHEDULE "Q"

DRAW CONFIRMATION CERTIFICATE BY INDEPENDENT ENGINEER

ML PROJECT FINANCING

This Draw Confirmation Certificate is provided by MWH Canada, Inc. (the "Independent Engineer") to The Toronto-Dominion Bank (the "Collateral Agent") in connection with the credit agreement dated February 24, 2014, between NSP Maritime Link Incorporated (the "Borrower"), Maritime Link Financing Trust (the "Lender") and the Collateral Agent (said agreement, as same may be amended, supplemented or restated from time to time, is hereinafter referred to as the "ML Credit Agreement"). Capitalized terms used in this Draw Confirmation Certificate not defined herein shall have the meanings assigned to them in Exhibit A of the ML Credit Agreement.

The Independent Engineer has (i) discussed matters believed pertinent to this Draw Confirmation Certificate with the Borrower and any relevant Material Project Participants, (ii) made such other inquiries as we have determined appropriate and (iii) reviewed:

- (a) the Construction Report dated November 20, 2015 (the "Construction Report"); and
- (b) the Borrower's funding request dated November 20, 2015 (the "Funding Request").

On the basis of the foregoing limited review procedures and on the understanding and assumption that the factual information contained in the Construction Report and Funding Request is true, correct and complete in all material respects, the Independent Engineer makes the following statements in favour of the Collateral Agent and to the best of its knowledge, information and belief, as of the date hereof that:

1. Construction of the Project is progressing in a satisfactory manner and in accordance with the terms of the applicable Material Project Documents with the following exceptions:

NO EXCEPTIONS NOTED

2. All payments to the Material Project Participants to be paid with the proceeds of the ML Construction Loan (including any payments using advances from the Working Capital Reserve Account during the period from the last Draw Confirmation Certificate to this Draw Confirmation Certificate) requested to be made pursuant to the Funding Request are allowed under the payment terms of the applicable Material Project Documents and the ML Credit Agreement as to the advance requirements of Section 7.3, with the following exceptions:

NO EXCEPTIONS NOTED

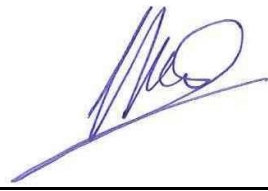
3. Assuming the Borrower exercises proper engineering and construction management throughout the remainder of the Project, we have no reason to believe that the Commissioning Date will not occur prior to the Date Certain, or that the total Project Costs will exceed [\$1,577,354,028] with the following exceptions:

NO EXCEPTIONS NOTED

This Draw Confirmation Certificate is solely for the information and assistance of the Collateral Agent, the Lender and Canada in connection with the Funding Request and shall not be used, circulated or relied upon for any other purpose or by any other party.

Dated: January 4, 2016

MWH CANADA, INC.

By:  _____

Title: IE Team Leader

SCHEDULE "Q"

DRAW CONFIRMATION CERTIFICATE BY INDEPENDENT ENGINEER

ML PROJECT FINANCING

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The Independent Engineer has (i) discussed matters believed pertinent to this Draw Confirmation Certificate with the Borrower and any relevant Material Project Participants, (ii) made such other inquiries as we have determined appropriate and (iii) reviewed:

- (a) the Construction Report dated January 20, 2016 (the "Construction Report"); and
- (b) the Borrower's funding request dated January 25, 2016 (the "Funding Request").

On the basis of the foregoing limited review procedures and on the understanding and assumption that the factual information contained in the Construction Report and Funding Request is true, correct and complete in all material respects, the Independent Engineer makes the following statements in favour of the Collateral Agent and to the best of its knowledge, information and belief, as of the date hereof that:

1. Construction of the Project is progressing in a satisfactory manner and in accordance with the terms of the applicable Material Project Documents with the following exceptions:

NO EXCEPTIONS NOTED

2. All payments to the Material Project Participants to be paid with the proceeds of the ML Construction Loan (including any payments using advances from the Working Capital Reserve Account during the period from the last Draw Confirmation Certificate to this Draw Confirmation Certificate) requested to be made pursuant to the Funding Request are allowed under the payment terms of the applicable Material Project Documents and the ML Credit Agreement as to the advance requirements of Section 7.3, with the following exceptions:

NO EXCEPTIONS NOTED

3. Assuming the Borrower exercises proper engineering and construction management throughout the remainder of the Project, we have no reason to believe that the

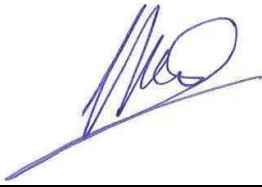
Commissioning Date will not occur prior to the Date Certain, or that the total Project Costs will exceed [\$1,577,354,028] with the following exceptions:

NO EXCEPTIONS NOTED

This Draw Confirmation Certificate is solely for the information and assistance of the Collateral Agent, the Lender and Canada in connection with the Funding Request and shall not be used, circulated or relied upon for any other purpose or by any other party.

Dated: January 27, 2016

MWH CANADA, INC.

A handwritten signature in blue ink, appearing to be 'MWH', is written over a horizontal line.

By: _____

Title: IE Team Leader

SCHEDULE "Q"

DRAW CONFIRMATION CERTIFICATE BY INDEPENDENT ENGINEER

ML PROJECT FINANCING

This Draw Confirmation Certificate is provided by MWH Canada, Inc. (the "Independent Engineer") to The Toronto-Dominion Bank (the "Collateral Agent") in connection with the credit agreement dated February 24, 2014, between NSP Maritime Link Incorporated (the "Borrower"), Maritime Link Financing Trust (the "Lender") and the Collateral Agent (said agreement, as same may be amended, supplemented or restated from time to time, is hereinafter referred to as the "ML Credit Agreement"). Capitalized terms used in this Draw Confirmation Certificate not defined herein shall have the meanings assigned to them in Exhibit A of the ML Credit Agreement.

The Independent Engineer has (i) discussed matters believed pertinent to this Draw Confirmation Certificate with the Borrower and any relevant Material Project Participants, (ii) made such other inquiries as we have determined appropriate and (iii) reviewed:

- (a) the Construction Report dated February 22, 2016 (the "Construction Report"); and
- (b) the Borrower's funding request dated February 23, 2016 (the "Funding Request").

On the basis of the foregoing limited review procedures and on the understanding and assumption that the factual information contained in the Construction Report and Funding Request is true, correct and complete in all material respects, the Independent Engineer makes the following statements in favour of the Collateral Agent and to the best of its knowledge, information and belief, as of the date hereof that:

1. Construction of the Project is progressing in a satisfactory manner and in accordance with the terms of the applicable Material Project Documents with the following exceptions:

NO EXCEPTIONS NOTED

2. All payments to the Material Project Participants to be paid with the proceeds of the ML Construction Loan (including any payments using advances from the Working Capital Reserve Account during the period from the last Draw Confirmation Certificate to this Draw Confirmation Certificate) requested to be made pursuant to the Funding Request are allowed under the payment terms of the applicable Material Project Documents and the ML Credit Agreement as to the advance requirements of Section 7.3, with the following exceptions:

NO EXCEPTIONS NOTED

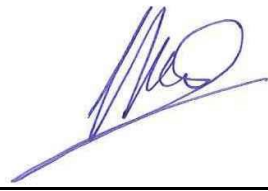
3. Assuming the Borrower exercises proper engineering and construction management throughout the remainder of the Project, we have no reason to believe that the Commissioning Date will not occur prior to the Date Certain, or that the total Project Costs will exceed [\$1,577,354,028] with the following exceptions:

NO EXCEPTIONS NOTED

This Draw Confirmation Certificate is solely for the information and assistance of the Collateral Agent, the Lender and Canada in connection with the Funding Request and shall not be used, circulated or relied upon for any other purpose or by any other party.

Dated: February 25, 2016

MWH CANADA, INC.

By:  _____

Title: IE Team Leader

SCHEDULE "Q"

DRAW CONFIRMATION CERTIFICATE BY INDEPENDENT ENGINEER

ML PROJECT FINANCING

This Draw Confirmation Certificate is provided by MWH Canada, Inc. (the "Independent Engineer") to The Toronto-Dominion Bank (the "Collateral Agent") in connection with the credit agreement dated February 24, 2014, between NSP Maritime Link Incorporated (the "Borrower"), Maritime Link Financing Trust (the "Lender") and the Collateral Agent (said agreement, as same may be amended, supplemented or restated from time to time, is hereinafter referred to as the "ML Credit Agreement"). Capitalized terms used in this Draw Confirmation Certificate not defined herein shall have the meanings assigned to them in Exhibit A of the ML Credit Agreement.

The Independent Engineer has (i) discussed matters believed pertinent to this Draw Confirmation Certificate with the Borrower and any relevant Material Project Participants, (ii) made such other inquiries as we have determined appropriate and (iii) reviewed:

- (a) the Construction Report dated March 21, 2016 (the "Construction Report"); and
- (b) the Borrower's funding request dated March 24, 2016 (the "Funding Request").

On the basis of the foregoing limited review procedures and on the understanding and assumption that the factual information contained in the Construction Report and Funding Request is true, correct and complete in all material respects, the Independent Engineer makes the following statements in favour of the Collateral Agent and to the best of its knowledge, information and belief, as of the date hereof that:

1. Construction of the Project is progressing in a satisfactory manner and in accordance with the terms of the applicable Material Project Documents with the following exceptions:

NO EXCEPTIONS NOTED

2. All payments to the Material Project Participants to be paid with the proceeds of the ML Construction Loan (including any payments using advances from the Working Capital Reserve Account during the period from the last Draw Confirmation Certificate to this Draw Confirmation Certificate) requested to be made pursuant to the Funding Request are allowed under the payment terms of the applicable Material Project Documents and the ML Credit Agreement as to the advance requirements of Section 7.3, with the following exceptions:

NO EXCEPTIONS NOTED

3. Assuming the Borrower exercises proper engineering and construction management throughout the remainder of the Project, we have no reason to believe that the

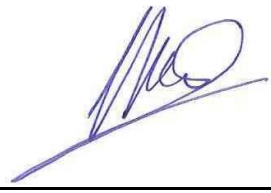
Commissioning Date will not occur prior to the Date Certain, or that the total Project Costs will exceed [\$1,577,354,028] with the following exceptions:

NO EXCEPTIONS NOTED

This Draw Confirmation Certificate is solely for the information and assistance of the Collateral Agent, the Lender and Canada in connection with the Funding Request and shall not be used, circulated or relied upon for any other purpose or by any other party.

Dated: March 29, 2016

MWH CANADA, INC.

By:  _____

Title: IE Team Leader

LCP - ML PROJECT

SITE VISIT REPORT NOVEMBER 24-27, 2015.

Prepared for: Natural Resources Canada and Emera

IE Point of Contact: Nik Argirov

Date: February 4, 2016

Quality Assurance Statement

Office Address	740-1185 W Georgia Street, Vancouver BC, V6E 4E6
Prepared by	Tim Little, Paul Hewitt, Hamdy Khalil & Nik Argirov
Reviewed by	Nik Argirov & Howard Lee
Approved for Issue by	Howard Lee

Disclaimer

This document contains information from MWH which may be confidential or proprietary. Any unauthorized use of the information contained herein is strictly prohibited and MWH shall not be liable for any use outside the intended and approved purpose.

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APPENDIX NO. 1 - PHOTOS

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1. GENERAL

The MWH Independent Engineer team, together with a representative of Natural Resources Canada participated in the site visit for the Maritime Link (ML) project in Newfoundland on November 24 - 25, 2015. Two Emera project team members accompanied the MWH team as listed below.

IE team:	Nik Argirov, Argirov Engineering Inc. (IE Point of Contact)
	Tim Little, T.E. Little Consulting Inc.(IE Geotechnical Subject Matter Expert (SME))
	Paul Hewitt, Hewitt Estimating Consultants (IE Cost & Schedule SME)
	Hamdy Khalil, HK PowerLine (IE Transmission Lines SME)
Natural Resources Canada:	Joseph Krupski, Senior Policy Analyst
Emera team:	Gerry Brennan, Project Manager
	Ken Meade, Senior Director, Risk, Environment & Aboriginal Affairs

Principal observations and comments on the active construction works are presented in the following paragraphs. Labeled photographs documenting construction status are presented in Appendix No.1

2. ITINERARY

The Newfoundland portion of the project includes approximately 142 km of steel tower 200 kV HVDC transmission line from the existing Bottom Brook substation to Cape Ray, about 20 kilometres of grounding line from Bottom Brook to Indian Head and approximately 160 km of Wood H-Pole 230 kV HVAC transmission line from Bottom Brook to Nalcor's existing Granite Canal Hydroelectric Generating Station. The associated infrastructure includes a new converter station and substation expansion at Bottom Brook, a switchyard at Granite Canal, a transition compound, 2 km of underground cable and an onshore cable anchor at Cape Ray and a marine ground at Indian Head.

Visits were made to the following project sites in sequence:

- Indian Head grounding station
- Abengoa materials storage yard near Barachois Brook
- HVDC right-of-way along Highway 1
- HVAC right-of-way along Burgeo Highway/Southwest Brook
- Bottom Brook converter station
- HVAC right-of-way between Granite Canal and Victoria Control Granite Canal switchyard

Transportation to all sites was by road. The team started at the Stephenville Maritime Link project office on the morning of November 24 for a safety briefing and to pick up hard hats and safety vests & glasses. The team then visited the above-listed project sites along the west side of Newfoundland and continued on to Granite Canal, arriving in the evening. Accommodation was provided in the construction camp. The HVAC line and switchyard sites near Granite Canal were visited in the morning of November 25 and the team returned to Deer Lake in the afternoon.

For each project site, the Emera team led a safety review of site-specific hazards before starting the inspection (FLRA – Field Level Risk Assessment), and a construction management representative escorted the team. At the Abengoa materials storage yard a similar safety briefing was provided by the contractor and the team was escorted by the site manager. The drive into Granite Canal camp was in the dark, and an Emera construction manager met the team at Badger and led the group of vehi-

cles to the camp, using radio procedures to announce and monitor traffic movements along the unpaved 82 km long access road.

Site visit participants returned to their home bases either late November 25, or during November 26. A trip closure meeting was held by conference call on the morning of November 27.

3. PROJECT AREAS

Indian Head Grounding Station

Since the previous IE site visit in July 2015, H.J. O’Connell Construction Ltd. had mobilized to site and started construction of the final several hundred metres of access road leading down to the grounding station site. Construction was also started on a rockfill berm that will contain spoil materials to be removed from the footprint of the breakwater that is to be constructed in St. George’s Bay (Photo 1). The rockfill material used by O’Connell to date was sourced from available rock at the end of the access road completed earlier this year by Marine Contractors. A subcontractor, ROCK Construction & Mining Inc., has started to prepare a quarry site located above the access road where the rockfill for the breakwater will be sourced (Photo 2). The quarry site is favourably located close to the end of the road, with a downhill haul.

It was noted that O’Connell Construction has paid detailed attention to providing worker safety and environmental protection. Waste rock has been used to construct safety berms along the downhill edges of their working roads and between the access road and their construction trailers (Photo 3). All parked equipment was neatly arranged and on level ground to facilitate maintenance, and had drip pans in place to catch potential fluid leaks.

PowerTel, the wood pole subcontractor for the main transmission line contractor, Abengoa S.A., had begun work on the 23 km Grounding Line adjacent to the completed access road. The wood poles have been delivered and were spotted on the ground ready for installation. Wood poles for the grounding line were lying near the side of the access road awaiting installation (Photo 4). The poles have galvanized steel crossarms that will carry two conductors, and are to be embedded in the ground to a depth of (3 ft + 10% of the pole length). Octagonal galvanized steel bearing plates are fixed to the bottoms of poles that are to be installed as angle or dead end poles (Photo 5); tangent poles have no bearing plates.

Abengoa Materials Storage Yard

The marshalling yard for the transmission line materials was 100% complete and up and running (Photo 6). The majority of the Tower Steel, Insulators and Conductors were onsite (Photos 7, 8 and 9), sorted and ready for installation next spring. The site is managed by the main transmission line contractor Abengoa S.A. The following are examples of some of the materials stored onsite:

- Glass Sediver Insulators (Photos 10 and 11)
- OPGW, Optical Ground Wire (Photo 12 shows the manufacturer label details)
- HVdc conductor: ACSR, Aluminum Clad Steel Reinforced “Bluebird” (Photo 13 shows the manufacturer label details)
- HVac conductor: ACSR, Aluminum Clad Steel Reinforced “Drake” (Photo 14 shows the manufacturer label details)
- Steel Angles / Members for the steel structures (Photos 15 and 16)
- 5/8 “ guy wires for guyed structures

The marshaling yard includes a building (Photo 17) where Abengoa intends to preassemble modules of steel transmission towers to minimize field assembly.

HVDC Right-of-Way

Clearing for the HVDC line has been completed. The IE team visited a location several km south of Bottom Brook substation and adjacent to Highway 1, (tower location SP26) where the HVDC right-of-way expands that of an existing HVAC line. An

Abengoa subcontractor had recently excavated a test pit to confirm foundation conditions for a proposed tower. Sand and gravel till material was observed at the location of the infilled pit (Photo 18).

HVAC Right-of-Way

Clearing of the HVAC right-of-way by Majors Logging Ltd. is well advanced and Emera advised that work should be completed by February 2016.

At the western end of the HVAC line, the IE team visited a section of right-of-way along a steeply sloping timbered sidehill near the Burgeo Highway. The section observed was nearly completed; usable timber was removed where access allowed and remaining wood debris was chipped, shredded and scattered, or bucked into short lengths and left flat on the ground (Photo 19). A temporary bridge across Southwest Brook appeared to be well constructed and was blocked with large timbers to prevent public access (Photo 20).

At the eastern end of the HVAC line, the IE team travelled westerly from Granite Canal camp about 30 km towards Victoria Control. The terrain is rocky and ranges from flat to rugged, with numerous lakes and bogs, and vegetation cover ranges from small trees to light brush. A Majors Logging crew was brush-cutting a section of right-of-way at the time (Photo 21).

Bottom Brook Substation and Converter Station

At Bottom Brook, a new converter station and substation expansion will be constructed to the east of the existing terminal station. The grounding line to Indian Head will originate from the new converter station.

ABB has advanced construction of some Civil works to allow an earlier start on subsequent work in Spring 2016. During the site visit it was noted that the running surface of the previously-constructed station pad was being temporarily stripped from construction areas and stockpiled to the side of the pad (Photo 22). Construction of several concrete footings for gantries and the converter building foundation walls were in progress by ABB's subcontractor, Marine Contractors Inc. Emera advised that about 300 m³ of concrete had been placed to date. The current construction work was being performed under winter conditions. Protective shrouding and portable heaters are used during cold weather to maintain a minimum temperature of 5° C for concrete placement and curing. The IE team observed reinforcing steel and formwork being prepared for concrete placement, several recently-placed footings, and some footings and a section of wall where formwork had been stripped (Photos 23 and 24). The concrete is to be backfilled and covered to provide protection during the winter. None of the major electrical equipment has yet been delivered to site. The work was expected to continue for several more weeks before shutting down for the winter.

Granite Canal Switchyard

The foundation pad for the new switchyard was nearing completion, with the placement of topping surface along one edge of the pad in progress at the time of the IE team visit (Photo 25). Emera advised during the closure meeting that this work was completed on November 26. Foundation and electrical work will begin in Spring 2016.

4. CLOSURE MEETING – NOVEMBER 27, 2015

The closure meeting was held by conference call, with the IE represented by Nik Argirov and Tim Little.

The meeting commenced with a summary account of the site visit. The IE noted that in our opinion, the work observed during the site visit is progressing satisfactorily and has been well done. There appear to be no specific areas of concern at this time. The IE once again was impressed with the attention to safety of the workers and visitors to the sites, both by Emera and the project contractors. The IE was also pleased to see several examples of attention to environmental protection, such as by the contractor at Indian Head, as well as the widespread use of crushed rock and riprap to protect exposed soil surfaces from erosion.

5. COMMENTS

It was evident that the work on site is proceeding with good quality, safety awareness and within the baseline schedule.

Appendix No. 1

Photos



Photo 1: Indian Head - view looking down access road towards grounding site. Rockfill at left edge of photo is a safety berm along road. Rockfill berm at centre left will contain spoil material to be excavated from breakwater footprint.



Photo 2: Indian Head – view from site access road looking up slope towards quarry site being developed to provide rockfill for construction of grounding station breakwater.



Photo 3: Indian Head – view looking along access road towards quarry, showing safety berm constructed between access road and contractor facilities.



Photo 4: Indian Head – grounding line wood pole with galvanized steel crossarm, ready for installation.



Photo 5: Indian Head – grounding line wood pole with galvanized steel base plate.



Photo 6: Abengoa materials storage yard.



Photo 7: Abengoa materials storage yard.



Photo 8: Abengoa materials storage yard.



Photo 9: Abengoa materials storage yard – cable drums.



Photo 10: Abengoa materials storage yard – Sediver Glass Insulators.



Photo 11: Abengoa materials storage yard – insulators in foreground; spooled cables in background.

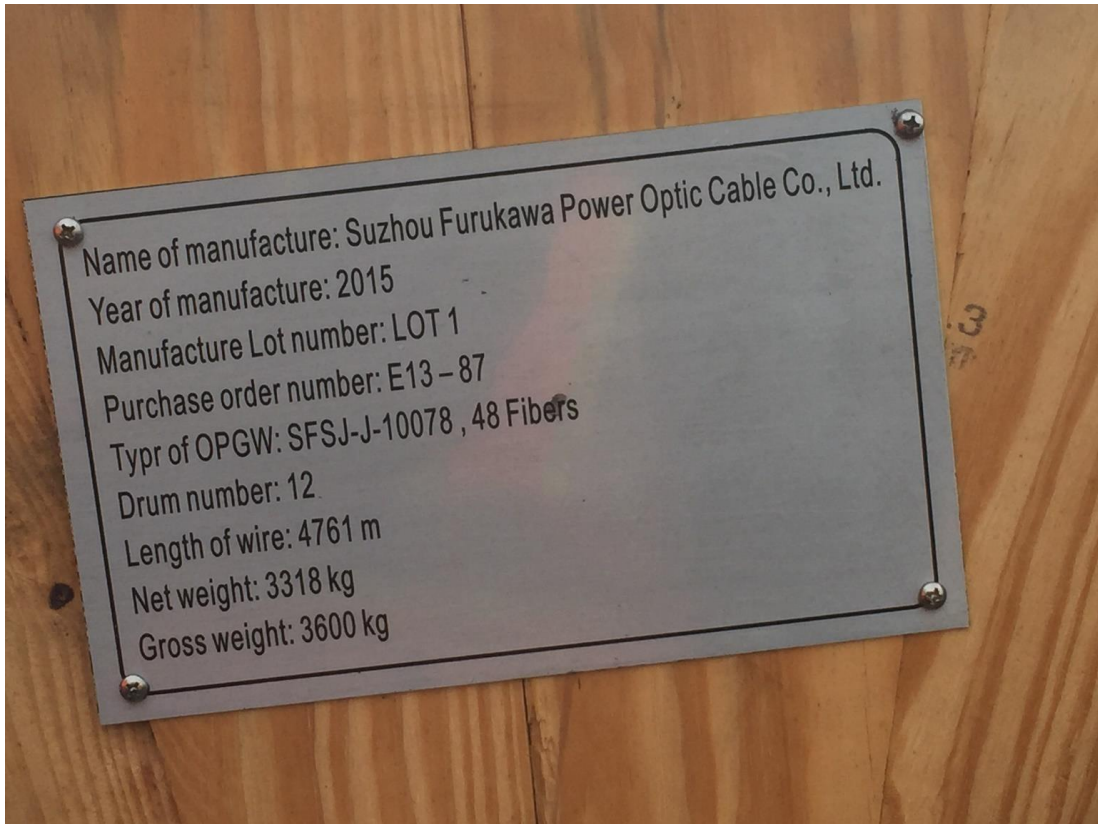


Photo 12: Abengoa materials storage yard – OPGW (Optical Ground Wire).



Photo 13: Abengoa materials storage yard – ACSR (Aluimnum Clad Steel Reinforced) Bluebird / HVDC Conductor.



Photo 14: Abengoa materials storage yard – ACSR (Aluimnum Clad Steel Reinforced) Drake / HVAC Conductor.



Photo 15: Abengoa materials storage yard - tower steel in foreground; cable drums in background.



Photo 16: Abengoa materials storage yard – sample of foundation grillage, assembled by trainees.



Photo 17: Abengoa materials storage yard – existing building for future preassembly of tower modules.



Photo 18: HVDC right-of-way adjacent to existing HVAC line. Wood debris has been shredded and scattered. Infilled test pit in centre of photo.



Photo 19: HVAC right-of-way along Burgeo Highway at Southwest Brook crossing.



Photo 20: Temporary bridge over Southwest Brook to provide access to HVAC right-of-way.



Photo 21: View looking easterly towards Granite Canal along HVAC right-of-way. Man at right is clearing brush with handheld power brush cutter.



Photo 22: Bottom Brook – temporary stripping of surface running layer in current construction area.



Photo 23: Bottom Brook – rebar for foundation wall of converter building in advance of installing concrete formwork.



Photo 24: Bottom Brook – completed and recently-placed sections of concrete foundation wall of converter building.



Photo 25: Granite Canalswitchyard – final construction of foundation pad in progress; east end of HVAC right-of-way in background.

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CERTIFICATE OF COURT TRANSCRIBER

I hereby certify that I have transcribed the foregoing and that it is a true and accurate transcript of the NSP Maritime Link Incorporated Technical conference, taken by way of electronic recording in Halifax, Nova Scotia on February 23, 2016.



Rita Newton, Certificate No. 2006-56

CERTIFIED COURT TRANSCRIBER,

PROVINCE OF NOVA SCOTIA

Halifax, Nova Scotia

March 24, 2016

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NSP MARITIME LINK INC.

TECHNICAL CONFERENCE

HALIFAX, NOVA SCOTIA

FEBRUARY 23, 2016

This is the transcript of the Maritime Link Project
Technical Conference taken by way of digital recording
held in Halifax, in the Province of Nova Scotia on
February 23, 2016.

Recorded by:

DISCOVER US TRANSCRIPTION SERVICES INC.

Certified Court Reporters

Per: Carolyn Arsenault

2

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MARY ELLEN GREENOUGH
SENIOR COUNSEL, LEGAL AND REGULATORY AFFAIRS
NSP MARITIME LINK INC.
OPENING COMMENTS AT 1:15 P.M.

So welcome to our technical conference today, so glad that you could be here to join us. First of all, we do have some empty seats at the table up front so those of you who wish to join us you're welcome to come up and take a seat, feel free.

So our intent today is to provide you with an update on the project consistent with the reports that we've been providing to the Board on a quarterly basis to teach you more about our current progress on the project and how we're delivering on our promise to deliver the project.

To start with a few housekeeping matters, you will note that the washrooms are outside these doors past the stairwell to the left, all the way down the hall and they're marked. Also the closest exit is of course the stairwell just outside these doors to your left and down to the front lobby.

I'd ask that you all take an opportunity to

OPENING COMMENTS

1 put your phones on mute during the conference and
2 we'll give you a chance to check your messages at
3 a break. I don't believe that wireless is
4 currently available, I just wanted to let folks
5 know that but I think they could be working on a
6 solution currently so I apologize for that in
7 advance. Also, you'll note that we are recording
8 and transcribing today's event in the interest of
9 maintaining an open and transparent process so,
10 welcome to our transcribers.

11 And today, instead of starting with a safety
12 message, in a few minutes Ken Meade is going to
13 be providing a very detailed safety update to
14 speak about how our approach to safety has
15 evolved through some recent experiences on the
16 project.

17 So, I think I'd like to move to
18 introductions now, and, for those of you who I
19 haven't met, I'm Mary Ellen Greenough; I'm Senior
20 Counsel, Legal and Regulatory Affairs with NSPML.
21 And I'll turn it over to Shellie to start the
22 introductions around the table.

23

24

25

1 **MS. WOOLHAM:** Yes, hi, I am Shellie Woolham
2 with NSPML.

3 **MR. MEADE:** Good afternoon everyone, Ken
4 Meade, Senior Director of Risk Environment and
5 Aboriginal affairs with ENL.

6 **MR. RENDELL:** Hello, it's Brian Rendell, VP
7 Corporate Affairs with NSPML or ENL.

8 **MS. MANZER:** Alison Manzer, I'm with the
9 Toronto law firm, Cassels Brock and Blackwell; I
10 was the engineer of the legal structure that was
11 used for the financing.

12 **MR. MCGRATH:** Steve McGrath, Nova Scotia
13 Department of Justice.

14 **MR. MCCOOMBS:** Scott McCoombs, Nova Scotia
15 Department of Energy.

16 **MR. SPENCE:** Roy Spence, Department of
17 Finance.

18 **MR. FERGUSON:** Eric Ferguson, Nova Scotia
19 Power.

20 **MR. WOOD:** Tim Wood, Nova Scotia Power.

21 **MR. CURRY:** Brian Curry, Nova Scotia Power.

22 **MR. MACLELLAN:** Robert MacLellan, Emera
23 Newfoundland and Labrador.

24 **MR. MAHODY:** Bill Mahody, consumer
25 advocate.

OPENING COMMENTS

1 **MS. FRASER:** Jocelyn Fraser, Utility and
2 Review Board.

3

4 **MS. MACADAM:** Melissa MacAdam, Small
5 Business Advocate.

6 **MR. GALLANT:** René Gallant, Legal and
7 Regulatory Affairs, NSPML.

8 **MR. OUTHOUSE:** Bruce Outhouse, Board
9 counsel.

10 **MR. JANECA:** Rick Janega, President and CEO
11 of Emera Newfoundland and Labrador.

12 **MS. HOWE:** Natasha Howe with NSPML.

13 **MR. BALSAM:** Matthew Balsom, Controller,
14 NSPML.

15 **MS. GREENOUGH:** Thank you. We do have a
16 number of folks who have called in for today and
17 I hope they can hear me.

18 **MS. WOOLHAM:** They are having trouble
19 hearing.

20 **MS. GREENOUGH:** Oh, okay then.

21 **MS. WOOLHAM:** (inaudible, no microphone)

22 **MS. GREENOUGH:** Thanks for that Shellie,
23 okay. Well perhaps what we'll do is speak a bit
24 about the plan for the afternoon. Perhaps I'll
25 give Shellie just a moment though to see if we

1 can quickly address this problem.

2 (inaudible - people speaking without
3 microphones)

4 **MS. GREENOUGH:** I could find out, that's an
5 answer Rick, let's see if we can get a list.

6 **COURT REPORTER:** Please remember you have to
7 hold your microphone down otherwise I can't hear
8 you at all when you're speaking back and forth
9 like that.

10 **MS. GREENOUGH:** Okay. While we try to iron
11 things out I will move on to discuss our plan for
12 the afternoon and once we can get the phones
13 enabled then we're going to go back to allow
14 folks to introduce themselves.

15 Okay, so as far as our agenda for the
16 afternoon is concerned we're going to start with
17 the substantive part of the agenda with Ken's
18 safety update. Then we're going to move to a
19 construction update with Rick Janega where we're
20 going to provide you with an overview of our
21 current status on construction efforts and a view
22 of upcoming schedule and key milestones.

23 After a 15-minute break we're going to move
24 onto a financing update with Brian Rendell and
25 Alison Manzer, who has traveled here today to

OPENING COMMENTS

1 speak to us about the federal loan guarantee and
2 Canada's oversight role.

3 And then we're going to close the conference
4 with a report from René Gallant on regulatory
5 planning where he's going to be discussing our
6 process of review over the next 18 to 30 months
7 and how we're going to work on engaging with all
8 of you through that process.

9 So without further ado I'm going to turn it
10 over to Ken for the safety update.

1 **KEN MEADE - SENIOR DIRECTOR OF RISK ENVIRONMENT AND**
2 **ABORIGINAL AFFAIRS**
3 **NSP MARITIME LINK INC.**
4 **SAFETY UPDATE - 1:21 P.M.**

5 Thank you. So good afternoon everyone.
6 As Mary Ellen mentioned we normally start each
7 meeting with a safety moment and so today I'm
8 just going to provide a bit of an update on some
9 recent changes we've made to our safety program,
10 specifically improvements to enhance how we
11 manage high risk activities associated with
12 construction. We did this in response to a
13 series of high risk incidents that we experienced
14 on the project last year and we wanted to take
15 steps to address them.

16 Before I get into that I actually wanted to
17 start with just a bit of an overview of our
18 safety policy from Emera Newfoundland and
19 Labrador. And as is typical for our business,
20 many of you know, it states that safety is more
21 important than any other business interest and
22 for that reason it's our number one priority.

23 The second bullet highlights that we commit
24 to high standards in the workplace when it comes
25 to safety and more importantly, or most

SAFETY UPDATE

1 importantly, I guess, is that that is a shared
2 responsibility for all of our employees and our
3 contractors who work with us. We also share in
4 the belief that all incidents are preventable.
5 And this last point is the thing that drove us to
6 take the steps we did last year to address some
7 trends we were seeing with safety performance on
8 the project.

9 So late last summer we experienced a number
10 of high consequence incidents or potential high
11 consequence incidents associated with
12 construction activities over a short period, over
13 a number of weeks. It's important to highlight
14 there were no injuries associated with any of
15 these incidents, but each of them had the
16 potential for injury to occur. So it was a trend
17 that we were uncomfortable with and we made the
18 decision to shut down all projection construction
19 activities. We did that knowing that we couldn't
20 allow work to continue in a manner that might
21 result in injury. And so we had a safety stand-
22 down and then we pulled our leadership team
23 together and we mapped out all of the work that
24 was planned, that was happening or planned and
25 reviewed all the high risk activities associated

1 with that work. So we created this risk matrix
2 and then we assigned teams to go through and work
3 with contractors to identify the necessary
4 controls and mitigations that needed to be put in
5 place before work restart.

6 So before I get into that in a little bit
7 more detail I actually did want to take a couple
8 of minutes and highlight some of the incidents we
9 have just to provide some context for the steps
10 we took.

11 So this collection of photos illustrates
12 some of the incidents we had. What's important
13 to note is that each of these incidents was
14 preventable and specifically that things were
15 missed as work was being prepared to be
16 initiated. Procedures were not followed, risk
17 assessments weren't adequately done, all of which
18 would have contributed to this work being done
19 safely. Some of these incidents involved vehicle
20 accidents or equipment getting stuck in mud. We
21 had other situations where we had equipment
22 working within established safe buffer zones. Of
23 the five incidents, the most troubling one for us
24 was one that affected the public. So the lower
25 two photos here actually show a home in Cape Ray.

SAFETY UPDATE

1 So Cape Ray is the site of our landing site for
2 the cable in Newfoundland and our work site is
3 adjacent to a small community. So in the
4 incident blast rock or fly rock from a blasting
5 operation actually left the site, struck an
6 adjacent home that was nearby, penetrated the
7 roof, penetrated the ceiling and struck the
8 fridge, as you can see in the lower photo. And I
9 guess the concerning part of this one is that
10 someone was actually sitting in this chair at the
11 time. So this incident was certainly covered in
12 the media and we wanted to talk a bit about this
13 one in particular so everyone understood the
14 steps we took to address it. And I'm going to
15 come back to that one a bit later in the
16 presentation.

17 And these photos show a couple of other work
18 sites where we had incidents. This was the safe
19 buffer zone and this was a location where tree
20 felling was underway and the equipment slipped
21 off the right of way and down an embankment.

22 So I'm going to speak now in a bit more
23 detail about the process we put in place. So as
24 I said, we brought our team together and our
25 objective was really to ensure that we were

1 focused on high risk activities associated with
2 construction. So we put together this process
3 that really takes us and our contractors through
4 a series of steps to ensure that high risk
5 activities are being mitigated before work
6 starts.

7 The process starts with our high risk
8 activities matrix. And I should emphasize that
9 that matrix is continually being updated as we
10 learn - as new activities are planned or new
11 work, new scopes of work are identified.

12 We then go through a process with our
13 contractors whereby they look specifically at the
14 work they have planned and identify and assess
15 the risks associated with that work. The risks
16 are rated and ranked and then the appropriate
17 mitigations are identified. All of this is
18 documented and recorded.

19 The contractor then submits the information;
20 it comes through our team and goes to our project
21 manager for approval. So we have a step where
22 before every piece of work starts we're
23 verifying, reviewing the high risk activities
24 that will be planned, that are a part of the work
25 that is planned and the steps that are being

SAFETY UPDATE

1 taken to mitigate that work. The next step is
2 actually one of sharing that information
3 throughout the project team. So it's shared both
4 with our team and with our contractors to ensure
5 everyone that's involved with the execution of
6 that work has a clear understanding of what the
7 risks are and more importantly what the
8 mitigations are that we're putting in place to
9 prevent incident. Work is then allowed to start
10 and then the following steps just highlight some
11 of the things we're doing to verify it's being
12 done. So each day prior to the start of work
13 what we call a field level risk assessment is
14 done, the contractor does this assessment, our
15 staff participate in that exercise and the intent
16 of that is to verify that all risks, all high
17 risk activities are being planned and executed in
18 a manner that's safe. And for our part we have
19 people in the field monitoring and auditing the
20 work that the contractors are doing. So we're
21 out there on a regular basis watching what's
22 being done. And of course all of this is
23 reported through our regular reporting process.

24 So I really just wanted to highlight some of
25 the key aspects of this process. The approach we

1 now take, it's really an enhancement of a process
2 we had in place. It's focused on high risk
3 activities and conditions and the level of effort
4 we put in is commensurate with the level of risk.

5 Contractors have to provide us with written
6 plans, documented procedures and demonstrate that
7 those plans and procedures have been reviewed
8 prior to the start of work and that the people
9 doing the work have been trained appropriately to
10 do that work. So we want to see the records of
11 training and we want to know that the training is
12 renewed on a regular basis so everything is fresh
13 for people.

14 And throughout the process we have a team in
15 place to watch what's being done, to verify
16 procedures are being followed and to protect the
17 interest of our business as we move forward with
18 the construction activities.

19 So I mentioned we had a safety stand down
20 for all our contractors. Following that safety
21 stand down, contractors returned to work after
22 they demonstrated all the necessary mitigations
23 were in place. So this was done in a staged
24 manner and one of the pieces of work that resumed
25 most recently was work on the - at the Bottom

SAFETY UPDATE

1 Brook site in Newfoundland which is the site of
2 our converter station. And this was the site
3 where we had one of the incidents with the
4 excavator operating on the slope. And this is a
5 proactive incident report that our contractors
6 recently submitted.

7 So they had gone through the process to
8 restart work and were out actually executing on
9 the site when conditions changed. So on one date
10 the site was cold, the ground was frozen, they
11 were doing the work as planned. Overnight the
12 temperatures rose, it was raining, we had snow
13 melt, so what had been a safe work activity
14 became a dangerous work activity and the
15 contractor made the decision to stop work and
16 reassess.

17 And the next step is actually the more
18 important part of the process, prior to
19 restarting work they reassessed again and they
20 made the decision to bring in different equipment
21 to continue with the work, equipment that was
22 better suited to the risks at the site.

23 So this type of reporting from our
24 contractors, for us, illustrates that the risk
25 based decision making that they're making, it

1 gives us confidence in our process going forward.

2 So just in closing I wanted to come back to
3 the work we did in the community of Cape Ray. As
4 I mentioned this is the community where we had
5 the blasting incident. And we've spent a lot of
6 time in that community over the years building a
7 relationship. And certainly when this incident
8 occurred, you know, we were concerned about the
9 trust that this community had in us and our
10 ability to do the work safely. So all through
11 the incident our team was working with them to
12 keep them informed about steps we were taking
13 prior to restart of work and to address concerns
14 that they might have. And, prior to restarting
15 work, we actually co-hosted a town meeting, a
16 community meeting with our contractor to go
17 through a detailed review of everything that was
18 being done to address the initial incident and to
19 prevent another incident from occurring. So it
20 was a very good meeting, a lot of good questions
21 were asked and at the end of it not only was the
22 town appreciative of the work we had done, they
23 actually supported work continuing.

24 So that was an important outcome for us and
25 I would say a prerequisite for work to continue

SAFETY UPDATE

1 at that site. And then in January the town
2 actually hosted an appreciation dinner for our
3 employees at site and our contractor employees
4 for all the good work they'd been doing and I
5 think recognizing the extent to which everyone on
6 site is working to keep the town safe and to keep
7 them informed about what we're doing.

8 So this certainly gives us confidence and it
9 supports our commitment to ensure everyone is
10 safe working around our sites as part of this
11 project.

12 So that's the end of the safety moment and
13 I'm certainly happy to answer any questions you
14 might have.

15 (No questions)

16 Thank you.

17 (Mr. Meade's presentation ends at 1:33 p.m.)

18 **MS. GREENOUGH:** Well thanks very much Ken,
19 it's appreciated. I understand that we've now
20 ironed out our technical difficulties with the
21 phones and I must apologize for those and would
22 ask the folks on the line to introduce themselves
23 at this time.

24 (On the phone) I'm Nelson Blackburn, Small
25 Business Advocate.

1 Nancy Rubin for the Industrial Group.

2 **MS. GREENOUGH:** Wonderful. Well thank you
3 folks, pleased to have you with us by phone. And
4 so with that I'm going to turn things over to
5 Rick Janega for our construction update.

CONSTRUCTION UPDATE

1 RICK JANEGA - PRESIDENT AND CEO

2 NSP MARITIME LINK INC.

3 CONSTRUCTION UPDATE - 1:34 P.M.

4 Thanks Mary Ellen. And welcome everyone,
5 thank you for taking the time to be with us this
6 afternoon and for Alison Manzer for joining us
7 and being part of the presentation today.

8 As we go through the construction update
9 there are some photos in here, I'll take a moment
10 just to explain some of what the funding and the
11 capital investment is that are being made on
12 behalf of the Maritime Link. And just walk
13 through an update on how things have been
14 progressing and where we stand today relative to
15 our scheduled completion.

16 So many of you would be familiar with an
17 overview of the map of the footprint of the
18 Maritime Link but if you look in the center, a
19 place that Bruce, you're probably the only person
20 that's been in there other than anybody on the
21 project team. So Granite Canal is the start of
22 the footprint in Newfoundland where we tie in a
23 230KV transmission line, similar to what you see
24 in Nova Scotia, wood pole structure, and I'll
25 show you some photos of that. It will connect

1 into Bottom Brook where - just outside of
2 Stephenville in Newfoundland, and that's where
3 the first converter station will be located.
4 From Bottom Brook there are two transmission
5 lines, one of them is the grounding line which
6 runs out to Indian Head, it's a site we have a
7 photo just to show you the development work
8 that's been done, that's where one of the
9 grounding sites will be located. It's a low
10 voltage distribution class line; it looks much
11 like what you would see on the side of the road.
12 And then the transmission line between Bottom
13 Brook and Cape Ray is a high voltage DC line,
14 200KV and that's just under 150 kilometers. It's
15 a steel tower construction; we'll show you some
16 photos of it. Where it lands at Cape Ray we will
17 then drill holes out into the sea floor to allow
18 the two high voltage cables that cross the Cabot
19 Strait to enter from Newfoundland. Then the two
20 cables will cross about 170 kilometers and come
21 ashore just outside of the Port Aconi generating
22 station where we will again drill holes out into
23 the sea floor and we will bring those two cables
24 into Nova Scotia. Transition to, two overhead
25 transmission lines, very similar to this DC

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1 segment in Newfoundland. Steel tower construction
2 between Point Aconi and Woodbine, just outside of
3 Sydney. And at the Woodbine station we will
4 convert back from DC to AC and put that energy
5 onto the Nova Scotia grid. And the other element
6 is grounding line in Nova Scotia that will be
7 built out to site at Big Lorraine on Cape Breton
8 Island, and that's about a 50 kilometer build of
9 very similar construction to the grounding line
10 in Newfoundland.

11 So where we stand today, we're in a very
12 good position, very pleased to be able to stand
13 here and speak about the status of a project that
14 is \$1.5 billion. We are five years into the work
15 that we've been doing on the Maritime Link and
16 the project is about one third complete. So the
17 next two years are going to be very busy for us.
18 We are on budget and we will have it complete by
19 the end of 2017. And Brian will speak about the
20 financials but as well our third commitment with
21 the Utility and Review Board in the decision
22 requiring us to retain and maintain allowance for
23 funds below the \$230 million cap.

24 We are one million hours plus into the work.
25 And, as Ken had talked about regarding safety, we

1 have had some serious incidents that forced us to
2 take a significant stand and reestablish the
3 commitment to safety right across the project but
4 we have had no serious injuries at this point.
5 One lost time incident and three medical aids in
6 the five years that we've been working. And an
7 all injury frequency rate of less than 1.0 which
8 our target is to attain world class safety
9 standards on our construction site and that's
10 very close to it. World class would be deemed
11 somewhere in the .5. So we're operating at .69,
12 it is a very good position to be in but our goal
13 is to come out of this with no serious injuries
14 and avoid every incident that we can. So I think
15 the investment Ken and his team are making in
16 safety with the contractors will ensure nobody
17 gets hurt.

18 Also on the environmental front we have had
19 no significant incidents. We've had one moderate
20 incident which was associated with a release of
21 silt at our Woodbine station as we were
22 developing the site. And when you see the size
23 of the footprint and the type of soil conditions
24 we're working in during heavy rain conditions in
25 November of '14 we did end up with elevated silt

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1 release from the site and we put protective
2 measures and actually built catch basins on site
3 as a result of that and the remediation has been
4 successful with no additional events on the rest
5 of the footprint.

6 On the project we are just, as we stand
7 today, probably just around \$600 million. At the
8 end of January, Matthew, we were slightly under
9 \$600 but the spend rate is probably \$1.5 million
10 per day to the close of the project and we are on
11 budget. With the work that's completed we've
12 wrapped up several components of it, about \$70
13 plus million worth of work that was done all by
14 Nova Scotia and Newfoundland companies, that was
15 involved in the tree clearing, the civil site
16 development work we did to prepare for ABB and
17 Abengoa and Nexans to take over our facilities.
18 And as well the establishment of a camp in at
19 Granite Canal and that facility is now complete
20 and operational.

21 So about \$70 million completed by local
22 contractors, work done very well and, as you can
23 see, very few incidents overall but some serious
24 concerns that they've responded with us to
25 support our efforts on safety and environment.

1 We have about \$1.1 billion of contracts
2 awarded on the project and we have a few smaller
3 contracts remaining, they are in the final stages
4 of award. And as it stands today we are very
5 confident with the scope of work with the
6 contractors and the quality of the work done to
7 date. And that puts us at 95 percent complete on
8 that work. \$200 million of it plus, actually as
9 we start up on the transmission work, has been
10 awarded to local companies as well.

11 We have taken efforts to optimize both the
12 cost and the execution of the project. One of
13 the items that we talked about, it seems like a
14 decade ago, but a few years back in the hearing
15 around cost management and how we would progress
16 the project, our effort has been and our team's
17 effort has been to manage the cost of this and
18 deliver on the commitments that we've taken on
19 from the UARB.

20 So we have optimized some of the design of
21 our transmission structures and how we would
22 support those with grouted anchors that will
23 stand up the steel; re-design of our grounding
24 sites, I'll show you a photo of one of the
25 approaches; civil site development managing

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1 tradeoffs between some of the scope of work we
2 had and cost pressures as a result of some of our
3 improvements to the sites and access road
4 upgrades and dealing with issues of that nature.
5 All of those, some of those have cost us
6 schedule, non-critical path items, but we did
7 take advantage to manage the cost down at the
8 sacrifice of some time on the project.

9 So three main components, the converter
10 stations, which is a contract with ABB; they are
11 going to develop the converter sites and the
12 substations, both AC and DC. And they are
13 progressing well, they have started work this
14 year, or sorry, in 2015 that was to pull ahead
15 some of the civil work because we had completed
16 our site preparation at Woodbine and at Bottom
17 Brook. ABB saw an opportunity to advance some of
18 their work to de-risk what was going to happen in
19 2016 and they decided and we agreed to allow that
20 work to start. And I'll show you a photo of some
21 of what took place through last fall.

22 But doing well against schedule on the
23 preparedness they have completed some of the
24 pours of foundations, they've started to deliver
25 precast concrete footings for some of the AC

1 structures, I'll show you in the switch yard.
2 And that work in Bottom Brook continues through
3 the winter but has been shut down in Nova Scotia.
4 They have finalized the design of the IGBT and
5 that's just the electronic module, there's a
6 picture of it here. I'll explain; it's the
7 module that does all of the work, so it takes the
8 AC signal and converts it to DC. What you're
9 seeing in the picture here on the slide is a
10 stack of the IGBT modules, there are 12 of those
11 in each core segment of the converter station and
12 there are four of those segments at site, and
13 I'll show you a photo of it. But just to give
14 you a sense of the scale, when this is hung in
15 place, which it does hang from the ceiling,
16 you'll be able to walk underneath that.

17 So that's a significant test out of the way.
18 The design was completed, the testing was
19 finished, they've passed tests and the mass
20 manufacturing has begun. And that allowed them
21 to finalize the design of the building. So the
22 buildings that will be created for both Woodbine
23 and Bottom Brook are being designed by EastPoint
24 Engineering of Halifax under a subcontract for
25 ABB. And the building is about 60 x 60 meters,

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1 15 meters high. And to date the biggest issues
2 that we've encountered have been really to deal
3 with geotechnical challenges; more rock and more
4 unsuitable materials that we've had to replace
5 with improved goods.

6 Just a photo of work that's happening at
7 site, this is some of the concrete that was
8 poured late last year for the perimeter of the
9 high voltage DC buildings. And in Nova Scotia
10 we've shut that site down, as I indicated, but
11 the design work for the DC components for the
12 system studies that will tell us whether or not
13 the two converter stations are going to work well
14 in each of the provinces are ongoing. And I'm
15 pleased to say, as well, that the indication from
16 all of the studies and the reviews being done
17 would indicate that this thing is going to
18 perform well and will operate to all of the
19 expectations and the design criteria we placed on
20 ABB.

21 With the AC substations the work that's
22 going to expand the Bottom Brook site and the
23 Woodbine site will allow for new interconnections
24 and a new transformer at Woodbine. It will
25 improve the reliability of that substation on

1 both sides and as well an expansion at Granite
2 Canal in the interior of Newfoundland just to
3 allow us to interconnect that new AC line. And
4 that work is progressing well with no surprises.

5 So this is an aerial photo of the Woodbine
6 site, and to give you a sense of what we have
7 been developing. And that's not water around the
8 edges of it, so you haven't lost your
9 perspective. It's on the top of a hill but it's
10 not surrounded by water, that's just to give us
11 the view scape. But the existing substation at
12 Woodbine is, here I'm pointing, for those on the
13 phone I'm just pointing in the upper right hand
14 corner of the gray area that's represented in
15 that photo. That's the existing AC substation.
16 As we expand we will put a new AC substation in
17 the middle, in between the converter and the old
18 site. And then on this photo where you see the
19 orange outline of a square building that's
20 actually the converter building itself. So
21 that's 60 meters by 60 meters. The site that
22 we've developed is just over half a kilometer
23 long and when it's finished we will have that
24 site completely populated with electrical
25 components. So good progress at the site.

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1 This, the next photo is essentially a cut of
2 the building. So the HVDC building will have a
3 lot of electronics in it. While it's operational
4 nobody goes inside of the operating areas. But
5 in the photo that you're looking at with the roof
6 off the building you'll see in the four corners,
7 those are the modules that I showed a photo of
8 earlier, where there's an A and a B side to the
9 Maritime Link, remember two cables, well each
10 half of the building essentially provides the
11 transition from AC to DC or DC back to AC for
12 each of the cables. And you'll see those two
13 rooms which house all of the electronics and in
14 the middle in between the two you'll see what
15 are, look like some gray cans, that's the reactor
16 hall, so that deals with all of the output of the
17 facility and essentially cleans up the electrical
18 signals. Then once it leaves the building all of
19 the components you see scattered around the
20 perimeter, with the exception of the white areas
21 which are just the cooling towers or cooling fans
22 that will keep the electronics cool or running at
23 appropriate temperatures. All of that gear
24 around the outside, every one of those posts
25 require a concrete foundation and something to

1 stand it on and then it will tie in the
2 electrical for the DC and AC with all the
3 switches, transformers and interconnections
4 required. So a lot of work to happen in both of
5 those sites in the next 16 months. It will
6 actually see the completion of construction with
7 the buildings going together, then populating the
8 interior with all of the electronics and building
9 out the site around it. And by the fall of 2017
10 we'll be commissioning and going in service.

11 The transmission lines, the work that's been
12 contracted to Abengoa and their major
13 subcontractor PowerTel. That work is now underway
14 with the DC lines. The responsibility of Abengoa
15 and their own teams subcontracted the work for
16 the AC line and the two grounding lines to
17 PowerTel but working very closely together. But
18 PowerTel has been up and running on the grounding
19 lines and Abengoa is just getting started with
20 the DC components. But we've received all of the
21 materials for the conductor, insulators, overhead
22 ground wire the communications wire and the steel
23 towers are about 80 percent delivered to sites in
24 both provinces with the rest of the components
25 either on the water or the last bits of it coming

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1 over this summer for installation on the AC lines
2 and some other grillage components.

3 All of the towers that we've procured have
4 gone through testing. So as the engineering was
5 completed and the designs were put together, we,
6 through the subcontractor in India, Kalpataru,
7 they created one of each of the towers and
8 actually assembled it, put it through load tests.
9 So we can see that it had to perform to 100
10 percent of the design criteria which would mimic
11 the ice and the wind and the snow loadings that
12 these structures are going to see. So every one
13 of the towers passed their load tests which
14 allowed them then to enter into full scale
15 production.

16 In the photo what you'll see in the
17 background is a structure that allows the loads
18 to be applied vertically and horizontally on the
19 towers so they not only try to pull it sideways
20 but also try and pull it down. And every one of
21 those have passed.

22 On the construction side for Nova Scotia and
23 Newfoundland the grounding lines are underway.
24 About 38 percent of the almost 1,100 poles in the
25 grounding line in Newfoundland have been

1 installed. About 20 percent of the line has been
2 strung and that work will continue with that
3 grounding line expected to be complete in April
4 of this year.

5 On the AC line, the photo that you see here,
6 are the first two poles being just set in the
7 ground. So that's not a finished structure but
8 there would be a cross brace that will go across
9 the top of those two poles once they're set and
10 then hang the insulators. Once there are enough
11 of those in place they will then begin stringing
12 the conductor and insulating wires.

13 This is the stringing operations that
14 PowerTel are undertaking for the grounding line
15 in Newfoundland. As we indicated, they are about
16 20 percent complete but just to give you a sense
17 of some of the equipment involved in the
18 activities. And where this work is occurring
19 it's in a fairly open area but for a lot of the
20 transmission line we'll be building, especially
21 on the DC components, they actually run adjacent
22 to existing lines. So one of our biggest safety
23 concerns is to be able to complete the assembly,
24 standing up of the towers and then the stringing
25 without incident.

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1 For the subsea cables we have Nexans as the
2 contractor supplying both of those cables. Their
3 scope of work includes the design, manufacture,
4 installation and burial of that work for the two
5 subsea components. Also for placing the land
6 cables, the two segments that will tie into
7 transition compounds where the subsea cables will
8 convert to overland transmission. Their work is
9 going very well; they've been ahead of schedule
10 for the most part on the manufacturing. The
11 first cable we have 85 kilometers of that
12 produced. We are stopped on that side in Japan
13 at this point while we do some quality assurance
14 checks on the lead sheathing process for the
15 cable before it continues on to be completed with
16 its protective layers. The second cable
17 stranding, which is the copper conductor that
18 runs in the center, that work is progressing well
19 and the fiber optic cable that's going to be
20 inserted in each end for about five kilometers is
21 complete. That was manufactured in Norway and
22 will be sent to Japan and to the Norwegian cable
23 plant to be installed as they finish the
24 production of the two subsea cables.

25 The land cables have been produced in

1 Norway, they're just going through their final
2 stage of protection. And the work that was done
3 this past summer by Nexans to reassess the route
4 where the cable is going to be installed near
5 shore has been finished as well as a resurvey of
6 a section where we required additional data to
7 ensure that we were able to achieve the right
8 burial profile for the cable. As a result of
9 both of those we have increased the length of
10 cable that we're going to be installing, the
11 total is about 4.5 kilometers; each cable has
12 plus or minus 2.25 kilometers with them, one a
13 little longer than the other. That, and the
14 reason behind it, is to achieve a burial that
15 will allow the cable to sustain the longest life
16 with a high reliability and avoiding issues like
17 pock marks or gas marks on the sea floor.

18 A marine warranty surveyor has been selected
19 and the engineering works for the HDD have been
20 completed where we completed their trajectory,
21 which just tells us where we're going to exit on
22 the sea floor. The survey work matched and says
23 that's an acceptable location. We've awarded the
24 contracts for the horizontal directional
25 drilling, it's the same company that did the work

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1 for Nalcor. They had a very successful campaign
2 there at the Strait of Belle Isle, they're just
3 beginning to mobilize and will start that work in
4 April of this year. So we'll start in Cape Ray
5 and then we'll move over to Cape Breton to
6 complete the Point Aconi drilling.

7 This is just a photo to give you a sense of
8 the conductor as it's coming off of the line.
9 That reel or that turntable that's in the
10 background actually rotates at a speed that
11 allows the cable to come off of the assembly line
12 and lay in with reduced tension. So it's a very
13 careful approach to how it gets created and then
14 stored. As you're seeing it now the conductor is
15 assembled and the paper lapping has been applied.
16 Then it goes into a storage tank where there's a
17 viscous material applied to it under vacuum, for
18 a period of time, as it absorbs that that creates
19 the electrical insulation. And then the cable is
20 protected in the final stages. And by the end of
21 this year we'll expect to have the first cables
22 ready to come to Canada, the second cable coming
23 out of Norway will actually be loaded onto the
24 installation vessel, which is shown here docked
25 at the facility. That vessel will take one of

1 the cables to Nova Scotia, the other cable will
2 come from Japan on a heavy lift vessel. Once the
3 first cable is installed in the summer of '17
4 they'll then load the second cable onto the
5 vessel and install it.

6 Once the cable is placed on the sea floor,
7 it takes about two weeks to get from side to side
8 with one of the two cables. This is the piece of
9 equipment that will be used. If you look at the
10 tongs sticking off the end of that device that's
11 hanging overboard on the vessel those are the
12 high pressure jets. The cable will run between
13 those two tongs. It essentially blows the dirt
14 out of the way. There is a video, I believe, we
15 have down back that will show the jetting
16 process. But all it does is run along, follows
17 the cable, it uses high pressure sea water and
18 blows the dirt out of the way. It's a very
19 benign process, you can see it doesn't create a
20 lot of disturbance. The cable falls into the
21 trench and the natural material sloughs back in
22 over it to protect the cable. So that will run
23 from elevations or depths of water from our
24 shoreline exits, where we come out off of the HDD
25 and will follow it out to the deeper points of

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1 the water. But in the very deepest portions of
2 the Laurentian Channel the cable will just sit on
3 the sea floor.

4 The remaining work on our site preparation,
5 we have our horizontal drilling pad at Cape Ray,
6 which is just about finished. And that work will
7 allow then Direct Horizontal, the company that
8 will be doing the profiling, to actually come to
9 site, mobilize and start drilling in April. So
10 that's cleaning up well. And at our grounding
11 sites where I talked about taking an opportunity
12 to optimize the design we actually pushed that
13 work out not quite a year but we did that to be
14 able to save money. We reduced the footprint of
15 it, changed the design to reduce the execution
16 risks, and we're actually able to get the work
17 done at an opportunity price that would allow us
18 to deliver it under budget. That helps with some
19 of the other issues we've been working on on the
20 project and at this point, as we've said, we are
21 on budget.

22 The electrical design work for the two
23 grounding sites is underway, that's the last real
24 engineering aspect of the project that needs to
25 be completed. It's a very straight forward

1 design, similar to what Nalcor is doing and that
2 work will follow the completion of the two
3 grounding sites late this year.

4 The top photo that we're looking at here
5 with the - it's not an ad for a Ford F150, it's
6 actually a photo to show you the amount of rock
7 we're dealing with at the Indian Head site. So
8 in Newfoundland we had to build a roadway into
9 the site to be able to get our grounding facility
10 in the water at the best location working with
11 the fish harvesters in the area and for
12 protection long term. And you can just see that
13 the truck is somewhat dwarfed by the amount of
14 rock that had to be excavated. And that was one
15 of the big challenges.

16 The bottom photo is one of Cape Ray at the
17 horizontal drill pad. That is a very recent
18 photo just showing the size of the footprint that
19 we'll be working with. That will be completely
20 populated with drilling equipment to allow us to
21 get out under the sea floor at Cape Ray. And a
22 very similar setup on the Cape Breton side.

23 The work over the next two years, as we
24 said, we're about a third of the way through the
25 project, so this year and next year about a third

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1 each. We'll wrap up in 2017 with the
2 commissioning late in the year. We will be
3 developing our commissioning plans this year on
4 top of all the construction activities and we
5 will be developing our long term asset management
6 plans that will allow us to sustain the 50-year
7 life and minimize the amount of investment and
8 protect the assets through the remaining portion
9 of its operating life cycle.

10 On the Nalcor side and our alignment with
11 the Lower Churchill project we know Nalcor has
12 updated people on the cost and schedule
13 projections. We are staying very closely aligned
14 with them on the transmission assets and still
15 aiming for all of the facilities, the Labrador
16 Island Link, the Labrador transmission assets and
17 the Maritime Link to be in service in 2017. And
18 I'll speak to the main reason behind that in a
19 moment. But work has been progressing very well
20 on both of those fronts. On the Labrador
21 transmission asset which connects between Muskrat
22 Falls and the Upper Churchill, that work is going
23 very well. The LIL, they've been focused on the
24 Labrador portion of it through the last year and
25 a bit but have started on the island doing the

1 tree clearing and that's been advancing well.
2 But we know the one area that has been a bit
3 behind for them has been on the hydro site. And
4 they are reviewing schedules now and we'll be
5 working with them as they complete the review.
6 But all of the major contracts for the work, two
7 of them in particular that they were waiting to
8 finalize, had been awarded. The north spur
9 being a key piece of it, if you recall one side
10 of the hydro facility where they were stabilizing
11 the earth works and that work has been underway
12 and going very well. They've completed the
13 spillway and they are focused on the river
14 diversion for 2016, that's a key step for them to
15 allow them to get the berms in place and complete
16 the powerhouse.

17 So progress to date, I know Nalcor have
18 transparency through their reports and oversight
19 committee and we monitor those but they're also
20 available for public viewing.

21 So with that we can see a couple of the
22 photos, on the left, on my left the photo of the
23 fork, essentially, is the land cable installation
24 in Shoal Cove. On the top right hand side is the
25 start of the cofferdam which will allow them to

CONSTRUCTION UPDATE

1 close off the river to divert through the
2 spillway. And that work is underway as indicated
3 and on schedule for diversion in 2016. And in
4 the lower right hand photo, my right hand, the
5 powerhouse construction work which is underway
6 and continues with concrete pours. And that
7 work, again, there's lots of information on their
8 websites and photos that are worth taking a look
9 at, the volume of activity that's going on in
10 Newfoundland and Labrador and the Lower Churchill
11 development as well.

12 With that we know one of the key elements
13 for the interconnection is the electrical
14 connectivity for Nova Scotia. By the end of 2017
15 with the Labrador transmission assets between the
16 Upper Churchill and Muskrat, and with the LIL
17 completed coming across to St. John's in 2017 and
18 the Maritime Link completed, we will have an
19 electrical loop been the Upper Churchill, over
20 5,000 megawatts of hydro, and Nova Scotia,
21 complete. And at this point all of those
22 transmission assets are expected to be complete.
23 Our synchronized schedules with Nalcor for
24 commissioning will take place over several months
25 in 2017 but the objective is that this will all

1 be in service by the end of that year. Any
2 questions?

3 (no questions)

4 Thank you.

5 (Mr. Janega's presentation ends at 2:04
6 p.m.)

7 **MS. GREENOUGH:** Okay, well thank you Rick.
8 As you can tell with so much construction going
9 on it's an exciting time to be working on the
10 project. So we are actually slated for a break
11 at this time so let's see, I think what we will
12 do is reconvene at about 20 after, that's 20
13 after 3:00(sic). But before folks break I do
14 want to encourage everyone to ask questions. And
15 if there are questions that come up that maybe
16 you think about, you know, after a speaker has
17 done their presentation don't hesitate to
18 approach any one of us, you know, come and find
19 us on this break or after the session is over and
20 we'd be happy to answer your questions. So with
21 that let's break.

22

23 **[BREAK 2:05 - 2:24 P.M.]**

24

25

CONSTRUCTION UPDATE

1

2

MS. GREENOUGH: Hi folks, just to let you

3

know that we're going to get started here in a

4

moment with Brian Rendell and our financial

5

update.

1 **BRIAN RENDELL - VICE PRESIDENT OF CORPORATE AFFAIRS**

2 **NSP MARITIME LINK INC.**

3 **FINANCIAL UPDATE - 2:24 P.M.**

4

5 Thank you Mary Ellen, and again, welcome
6 everybody.

7 So I'm going to give a bit of an overview of
8 where we stand to date. Rick has already alluded
9 to that to some degree before, however we'll give
10 a bit more of a snapshot on where our costs are
11 to date on the project. And then also provide a
12 summary of the debt financing that we secured
13 back in April of 2014. So I'll give a bit of an
14 overview of how that worked and some of the
15 processes, really, that are ongoing now every
16 month. And that will sort of be a good segue
17 into me passing it over to Alison Manzer who is
18 representing Canada and explaining the role that
19 Canada and its advisors had during the financing
20 itself and then now on an ongoing basis as we
21 progress through the construction of the project.

22 So, as a bit of a refresher for everyone, we
23 sought and received approval for the UARB at a
24 total capital cost of between \$1.52 to \$1.58
25 billion. Back in Decision Gate 3, which was in

FINANCIAL UPDATE

1 2014, after we had our major contracts in hand we
2 updated our total estimate, which was \$1.577.
3 And when you do the math, which is the 20 for 20
4 principle that we have in place with our partner
5 at Nalcor, what it means is Nova Scotia customers
6 would be responsible for the \$1.55 billion, so
7 it's a 20 for 20 type calculation but that really
8 is the relevant number. And as you can see on
9 this pretty rudimentary little scale here the
10 \$1.55 is really pretty well in the middle of the
11 range that the UARB had approved. So we feel
12 quite good that we're still very much within that
13 range. And as Rick mentioned earlier the AFUDC,
14 which is really the financing costs that we
15 capitalize to the project during construction, in
16 the hearing in the application and in the
17 decision the estimated number was \$230 million.
18 UARB allowed us to go until the end of December
19 of 2017 in capitalizing those costs. And, as
20 Rick said earlier and as we continue to report in
21 our quarterly reports, we're still very much
22 forecasting both of the costs, the capital cost
23 and those financing costs, to be within the range
24 and within the amount that the UARB had approved
25 back in 2013. So a quick snapshot as to where we

1 are at the end of December of 2015, as you can
2 see down here, Rick alluded before, we're about a
3 third, a little more than a third of the way,
4 here's just a bit of a listing in pretty well the
5 same categories that we report to the UARB each
6 quarter. And you'll see that we've incurred about
7 \$569 million or so to the end of December. And
8 with two years left, obviously doing the math,
9 there's a little over a billion dollars yet to be
10 spent. And obviously if we continue on that
11 path, the full budget being the \$1.577 billion
12 being our Decision Gate 3 budget, which as you've
13 heard us say before, we're still quite
14 comfortable with that budgeted amount. You will
15 note, and I made a note at the bottom here, as
16 part of our estimate back when we set this budget
17 we've set aside \$35 million and \$139 million
18 respectively for escalation and contingency,
19 which is typical for large mega projects like
20 this, that you set aside those funds for the
21 unexpected events. To date, to the end of '15,
22 we have not had to rely upon either of those
23 accounts yet, so we're in a good spot right now.
24 Obviously a lot of work yet to be undertaken in
25 2016 and 2017 so we feel we're in a good place

FINANCIAL UPDATE

1 and we'll obviously be watching those accounts
2 very closely over the next two years as we come
3 into the end of 2017 and completion of the
4 project. So, so far so good and we're watching
5 these contracts very closely. Our finance team,
6 our contract administration team monitoring the
7 work and our contractors to ensure that those
8 budgets are held.

9 So into the financing aspect of this now.
10 During our application and as part of the
11 decision that the UARB provided us back in 2013
12 we outlined the phased approach to traditional
13 large project financing. And this is just a bit
14 of a summary of those phases.

15 The first phase, which is very typical, is
16 that the shareholder invests equity up until such
17 time as debt is in service. So up until April of
18 2014, which is when we secured our federally
19 guaranteed debt, all costs up until that point in
20 time were financed by our shareholder as equity.
21 And again that's typical, major banks or a
22 guarantor like Canada wants the shareholder to
23 have equity invested, skin in the game if you
24 will, in the beginning aspect of any major
25 project like this.

1 And then in April of 2014 we secured the
2 \$1.3 billion of financing, all of which is
3 secured and guaranteed I should say, by the
4 Government of Canada, and Alison will touch upon
5 that in a little bit. And from that time on, so
6 from April 2014 onward then for a period of time,
7 all costs as they were being incurred from that
8 period forward then were funded with this 3.5
9 percent coupon, low interest rate debt. So we
10 had all equity up front and then once the debt
11 was in place all additional costs were funded
12 with this guaranteed debt until we reached a
13 point where the actual, the costs that we have
14 incurred were funded 70 percent with that debt
15 and 30 percent with the equity, and that was the
16 approach that was agreed upon early on with
17 Canada and through the UARB process. And we
18 reached that milestone in December of 2015. So
19 at that point in time 70 percent of all of our
20 costs were funded with federally guaranteed debt
21 and the remaining 30 percent with equity that was
22 invested early on. From that point onwards, so
23 from January 2016 now through until the end of
24 construction, the end of 2017, we will continue
25 that ratio, that debt to equity ratio of 70:30.

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1 So for each month when we estimate what our costs
2 are, and I'll go through that process a little
3 bit in a couple of moments, each monthly draw of
4 costs then comes 70 percent from debt that we've
5 secured and 30 percent from equity from our
6 shareholder. And that 70:30, that debt-equity
7 ratio, will then continue throughout the whole
8 operations period of the project. And, by the
9 end of the project's life as we proceed through
10 the operating period, the debt and the equity
11 then gets repaid or returned to the shareholder
12 such that that same ratio of 70:30 gets
13 maintained.

14 I just noted at the bottom here 70 percent
15 debt capitalization is relatively high in
16 regulatory construct and the benefit of that
17 obviously goes to our customers. So having 70
18 percent of the cost funded with federally
19 guaranteed debt at a very attractive 3.5 percent
20 rate obviously is beneficial for our customers
21 and keeps the cost of financing low.

22 So, as I mentioned before, in April of 2014
23 we secured all of the \$1.3 billion that we were
24 entitled to secure under the federal loan
25 guarantee and we had a very successful bond

1 issuance on that date. And some of the key
2 aspects of that financing, which I'll touch upon
3 briefly and again Alison will also discuss, is a
4 fixed coupon rate of 3.5 percent. So that rate
5 is now fixed for the full amount of the debt
6 financing not only during construction but then
7 of course throughout the full 35 years of
8 operation. So that is a fixed rate not to
9 change. There were some fees, like all
10 significant financing, upfront fees, some hedging
11 costs, some banking commissions, *et cetera* that
12 were incurred in the structuring phase. When you
13 factor all of those costs in, there's an
14 effective rate of approximately 3.85 percent when
15 all those costs are taken into account.

16 We went through a very competitive process
17 in seeking proposals from all of the major
18 Canadian banks and obviously those, the banks
19 were eager to be part of a large financing like
20 this. They had just gone through a very similar
21 process with our partner at Nalcor in December of
22 2013, so four months before that. And so we were
23 able to keep their pencils sharp and enable us to
24 have that successful financing at attractive
25 rates.

FINANCIAL UPDATE

1 The other thing that's important to note
2 here is by borrowing all of the \$1.3 billion up
3 front what it does is not only lock in the
4 interest rate, lock in that fixed coupon rate of
5 3.5 percent but it also gives us the surety of
6 knowing that we have all of the available
7 finances, or all of the available debt I should
8 say, on hand when we need it. Those funds, which
9 I'll get into in a moment, sit in a trust and are
10 invested in safe securities that are approved by
11 the Government of Canada and those securities,
12 the interest on those securities offset or reduce
13 the total cost of the 3.5 percent bonds. And
14 we'll touch on that in a moment.

15 The structure, which we'll talk about in a
16 moment, it provides a very transparent and
17 independent structure for not only the Federal
18 Government as guarantor but also for our
19 stakeholders to see the nature of this financing
20 and how it flows into Nova Scotia or NSP Maritime
21 Link; and, which we'll also touch on in a moment,
22 the oversight of Canada and its representatives
23 during the negotiation and the settlement of the
24 bonds and then also now through construction.

25 So my little tag on at the bottom here, so

1 the customers do benefit from the security of
2 that locked in rate, it's the security of knowing
3 the debt financing is there and all under the
4 watchful eye and oversight of the Federal
5 Government and its advisors.

6 So the debt itself, as I say, we have it all
7 in place, the \$1.3 billion. Of course we're
8 paying interest of 3.5 percent on those bonds
9 from April 2014 onward. The principal on the
10 debt gets phased in, so it begins in December of
11 2020, late in December so December 1st of 2020 and
12 from then on every six months we make a \$20
13 million principal repayment. So from the
14 customer perspective there isn't any debt
15 repayment or return of shareholder equity in 2018
16 of 2019, it starts in 2020 and then fully comes
17 into play in 2021 and then from there on it
18 there's a straight line repayment of the debt and
19 therefore the equity in order to maintain our
20 70:30 debt equity ratio. So saying that again we
21 start repayment of the debt and at the same time
22 we start returning the equity invested to the
23 shareholder so that we're maintaining again that
24 debt equity ratio that we've committed to.

25 So this is a complicated slide, I'll

FINANCIAL UPDATE

1 acknowledge, which is the wrap structure. And
2 I'll give Alison and her colleagues lots of
3 credit for the designing of this. This was
4 effectively the same structure that Nalcor had
5 used on a much bigger financing just a few months
6 before. It worked very well and the whole
7 purpose of such a structure really is to enable
8 us to have, for the benefit of our customers, to
9 have gotten the full benefit of the federal loan
10 guarantee. So what we were looking for was full
11 credit substitution so that we could get the AAA
12 rating of being attached really or having the
13 guarantee from the Government of Canada. And what
14 this structure does is fully enable that. So
15 this structure enabled that full benefit of the
16 federal loan guarantee to be received. And I'm
17 not going to propose to go through this in great
18 detail but I do just want to point out a few of
19 the key points.

20 So you heard me mention before that we
21 raised \$1.3 billion dollars, that came from
22 bondholders, so we issued bonds back in April.
23 So at the top, sort of the right for those on the
24 phone, so you'll see bondholders so of course
25 these institutional investors would have invested

1 in our bonds. The proceeds from the bonds went
2 into the structure in the center there, which I
3 accept is a little difficult to read, is Maritime
4 Link financing trust. And that trust really
5 keeps everything transparent, all of the funds go
6 into that trust, there's a trustee of course,
7 there's your collateral agent, there's a number
8 of institutions that are monitoring the funds in
9 that trust. I mentioned earlier that we invest
10 funds that we don't immediately need for the
11 activities of the project, they are invested in
12 securities. And the interest on those securities
13 help defray the cost of the 3.5 percent payments
14 that we need to make on interest to the
15 bondholders.

16 So the cash stays in that trust until such
17 time as we ask permission for a draw. And at
18 that time funds move from the trust down to NSP
19 Maritime Link, which is the project company. And
20 as I say now that we're into the 70:30, that
21 equity mix where we want to be, my colleagues
22 over here we go through a very detailed process
23 whereby we estimate what our cash requirements
24 are for the next month, I'll touch on this here
25 in a moment, but we submit a request to the trust

FINANCIAL UPDATE

1 for release of funds. At the same time we let
2 our shareholder know and then at the beginning of
3 the subsequent month 70 percent of the funds come
4 from the trust, which is the debt component and
5 30 percent come from the shareholder. And that's
6 basically how we bankroll and ensure that all of
7 our contractors and all of our team costs and
8 everything are being funded. And everything else
9 around all this is really all the oversight and
10 the governance that comes with security of having
11 the Government of Canada as a guarantor.

12 I touched on this briefly before but these
13 are really just a list of the parties that were
14 engaged at the beginning and continue to be
15 engaged throughout this whole process. The
16 company itself that we're all members of where
17 the project is obviously being built, being NSP
18 Maritime Link; Government of Canada, of course,
19 being critical to all of this in providing the
20 guarantee. The trust, which is where the funds
21 reside and funds remain invested until such time
22 as we request a draw; BNY who is the trustee;
23 Computershare who is also, at this time, an
24 indentured trustee. Emera acts as administrator
25 just to make sure that accounts are being kept

1 and tax returns are being filed, things like
2 that. TD Bank is our collateral agent and MWH,
3 as Rick mentioned before, is the independent
4 engineer. And Alison will touch on the oversight
5 that these parties provide on an ongoing basis.

6 So again, we have some very significant
7 parties that are involved in not only the upfront
8 arrangement of the financing but on an ongoing
9 basis through the draw process, through monthly
10 reporting and then finally approval for funds to
11 be released into our company for us to pay our
12 bills.

13 I think I've touched on most of this before,
14 as I say, the trust controls all the proceeds, so
15 all of that debt stays there safely invested
16 until such time as we provide sufficient evidence
17 that we should be able to draw those funds for
18 use on the project.

19 And I'll just mention, toward the third
20 bullet point here, each month we have to or we
21 provide a construction report which gives the
22 independent engineer and the federal government
23 and other parties a detailed update on what has
24 happened in the last month, all the construction
25 activities. We also provide, actually just this

FINANCIAL UPDATE

1 morning we provided the one for this month, a
2 funding and a draw request, which as I alluded
3 before is an estimation and quite a bit of detail
4 by contractor and almost by invoice of all the
5 costs that we're forecasting we'll need to pay in
6 the subsequent month. All of that detail then
7 gets submitted to the federal government and to
8 MWH as the independent engineer, to TD Bank as
9 our collateral agent, and they all have to be
10 satisfied with the details that are contained in
11 those reports before funds can be released from
12 the trust into NSPML for purposes of us paying,
13 again, paying our contractors and other costs.

14 And Rick and I, as officers of the company,
15 have to certify each month that in our
16 professional opinions we're in adherence with all
17 of the requirements of the various legal
18 documents and that, you know, sound engineering
19 is taking place, *et cetera, et cetera*. So there
20 are a number of conditions in the federal
21 agreements and as part of the federal loan
22 guarantee process where we have to certify that
23 we're following all the necessary governance
24 procedures that are required.

25 And that is a summary from my perspective,

1 it gives you a bit of an overview, an oversight I
2 guess of how the financing was first arranged,
3 the governance that's behind it. I'm happy to
4 take any questions before I ask Alison to come up
5 and give you Canada's perspective on all of this.

6 **UNIDENTIFIED MALE:** Brian...

7 **COURT REPORTER:** If you could identify
8 yourself?

9 **MR. MAHODY:** Sure, it's Bill Mahody. Is any
10 portion of those monthly reports that you've just
11 mentioned publicly available?

12 **MR. RENDELL:** I'm going to - René we do
13 provide, if I'm not mistaken, the independent
14 engineer's certificates, correct?

15 **MR. GALLANT:** That's right, with our
16 quarterly reports to the UARB we provide each of
17 the versions of that document for the months
18 leading up to that quarterly report.

19 **MR. RENDELL:** Any other, thank you Bill, any
20 other questions?

21 (No other questions)

22 Okay, thank you very much. Alison?

23 (Mr. Rendell's presentation ends at 2:43
24 p.m.)

FINANCIAL UPDATE

1

ALISON MANZER

2

CASSELS BROCK & BLACKWELL LLP

3

2:44 P.M.

4

5

I knew I wore the wrong outfit since I'm not going to figure how to handle and hold on to this thing.

6

7

8

I do want to thank everybody, actually, for me having the chance to come down, this is home, I keep a house down here in Nova Scotia and don't get enough time to come down, particularly in the winter when I stop thinking about coming down. But I am a three-degree Dal girl and Dal law a long time ago, so it's always a pleasure to come back down.

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A lot of people when they look at that

1 structure and I did put it in - by the way I did
2 materials, I never speak from slides, I don't
3 herd well so the slides are herding, it doesn't
4 work. I like to just be able to talk with what
5 you seem to be reacting to. But I did prepare
6 you some backgrounding and that backgrounding is
7 kind of more than what I'm even going to talk
8 about today because I wanted to give people a
9 feel for what we went through as we were thinking
10 this through. And by "we" I mean much more than
11 Canada and the core, Canada team. And I'll sort
12 of tell you a little bit about how things came
13 together and the number of people that were
14 involved and the number of times we had to think
15 through the iterations of this structure.

16 The materials I gave you are meant to be a
17 bit explanatory, for those of you who are project
18 finance experts sorry to be a little patronizing,
19 but we tried to give you bits of that background.

20 Well I'll tell you the Number 1 comment I
21 tend to get when people first see that structure
22 is what was that woman thinking? And I will
23 admit that the first iteration of that was on the
24 back of a napkin involving a really good bottle
25 of wine, and excellent meal at Rodney's on Water

FINANCIAL UPDATE

1 Street and the Nalcor senior counsel and myself.

2 And the problem that we had was, I'm going
3 to step back in a minute and talk about the
4 mandate and what was different about this
5 "guarantee" then any other that has ever been
6 done by a public authority in Canada, because
7 there is something different about it. And we
8 were sitting down and we were trying to figure
9 out how we could bring the elements of the
10 mandate together and make it work and a finance
11 that could be executed in the markets. Because
12 the problem that we had was both of the people
13 who ended up with this on their laps to figure
14 out how to make it work weren't at the table when
15 it was negotiated. And quite frankly by the time
16 it was negotiated it was already at cabinet
17 mandate level and we had to work with what we
18 were given.

19 And the problem that we had when working
20 with what we were given was, looking at it it was
21 so horrendously complicated to reconcile the
22 different mandate agenda items that we would have
23 created a financing that would never have been
24 accepted in the public markets because the
25 complexity and need to understand the

1 underpinnings of this project and what would
2 underlie what was attempting to being done that
3 it would condemn it to never being bought. The
4 secret to finance, particularly large scale
5 financing is keep it simple stupid. You have got
6 to have a simple offering. It has got to be
7 capable of the persons that are receiving the
8 documentation, that are looking at what it is
9 that they're going to buy to be able to analyze
10 it, if not instantaneously then as close to
11 instantaneously as you can possibly get it.

12 There is a sector of the markets that does
13 accept complicated concepts, complicated issues,
14 that burrows down and understands difficult
15 projects. I will tell you even in that sector
16 very few of them have understood. And from my
17 viewpoint this isn't a \$1.5 billion project, from
18 my viewpoint this is an \$8 odd billion project
19 because the whole thing has got to work, as far
20 as I'm concerned. So my job is to make sure the
21 whole thing works. And I'm sitting down
22 understanding that if I bring to the markets the
23 complications of four effectively separate
24 projects and undersea cables and a massive
25 powerhouse and transmission lines over ground

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1 that nobody can even picture I am never going to
2 get an investor to buy in unless I've got six
3 months of lead time and I'm prepared to give them
4 350 to 500 basis points. And that is simply not
5 going to be realistic for this.

6 So we are sitting down looking at a mandate
7 that says the whole purpose behind Canada
8 becoming involved is to promote a regional
9 project. So, number one, everything that we do
10 has to ensure that the manner in which we
11 structure and put together the financing
12 overlaying these projects promotes the
13 regionality of the projects. Which means it has
14 to ensure that all four of the projects are
15 coming together and coming together in a way that
16 will integrate and deliver in a consolidated
17 regional way. So that's my first mandate.

18 My second mandate is that we must do so in a
19 manner that will deliver the lowest net present
20 value of the financing. Not the lowest interest
21 rate, by the way any of you who do finance you
22 know that the lowest interest rate is
23 meaningless, or essentially meaningless. What
24 really matters is the overall cost of the finance
25 of the entire term of the project that you're

1 looking at. So the net present value of the
2 financing is what matters, not the interest rate.
3 The interest rate is a big component, I'm not
4 going to kid you, but when we're putting together
5 a cost stack we are adding in a number of things
6 besides what the raw cost of the money might look
7 at. We're adding in liquidity premiums, that is
8 i.e. no liquidity premiums. We're adding in
9 amortization costs, we're adding in placement
10 costs, you're adding in a number of things that
11 looks at your stack. You're also looking at how
12 and when you have to repay your amortizing, over
13 what period of time, so you come up with an
14 overall cost of the financing.

15 Canada's view and everybody's view in this
16 room should have been exactly the same, which is,
17 you need to have the lowest net present value of
18 your financing. Why did Canada care? Well
19 number one, if anything went wrong it's the one
20 primarily on the hook. Granted there's some
21 equity sitting behind it but it's on the hook.
22 But, more importantly, the whole purpose or basis
23 behind what was my first mandate, promoting
24 regionalization. Well Canada is not fulfilling
25 its mandate of promoting the regionalization of a

FINANCIAL UPDATE

1 regional project if it's not bringing down the
2 net overall cost of the project because that's
3 the whole purpose of bringing in the Canada
4 assurance.

5 And why is that different than the norm?
6 Normally people sit down and they think, "Okay,
7 government guarantee, it's kind of like the
8 equivalent to a grant, right, or forgivable loan
9 or they're just going to sit back and let things
10 roll along and if everything goes bad in the end
11 they'll fork the money over." Which is the
12 normal way that guarantees work, whether
13 government or anybody else's. That's not what
14 was approved. And the reason it wasn't approved
15 was because of the Mandate Number 1, which is,
16 you've got to promote a regional project.

17 So in order to do that the thinking behind
18 it was that it had to resemble something of a
19 more commercial finance involvement. So one of
20 the mandates that we were given was this wasn't
21 going to look like any government guarantee that
22 has ever been done before, it was going to be
23 remarkably a commercially responsible and
24 reasonable participation in the project. So we're
25 told coming into this that this is to look like a

1 commercial involvement, this is to be like a
2 commercially based guarantee participation. So
3 that adds another element to the mandate.

4 I'll leave aside all that things that are
5 obvious, promote green energy, you know, all of
6 that because none of that had really anything
7 really to do with how we ended up having to
8 structure things. We knew we had to have all of
9 the environmental pieces in place. We knew we
10 had to have all of the aboriginal consultation in
11 place. We knew we had to have fisheries, we knew
12 we had to have oceans. All of these things had
13 to work, Canada obviously cannot come in as a
14 primary participant here and be violating
15 everything that's going on here. And Canada as
16 the primary federal regulatory of course has its
17 finger in all those pies. So this is what we're
18 facing.

19 So Zeno and I are sitting down, and it was a
20 very good bottle of Chablis, and somehow
21 magically halfway through it I went, "I've got
22 it." And he said, "What do you mean you've got
23 it?" I said, "I've got it." And when I tell you
24 what I got you'll understand how simple what we
25 did really was.

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1 So I took a piece of paper, actually the
2 napkin, drew a line across and on the top I wrote
3 public and on the bottom I wrote project finance.
4 And I said, "We don't have one deal, we have
5 two." We're going to do a simple public bond
6 issue, out to the public. I'm not going to
7 confuse the market, I'm not going to have the
8 market give a darn about what goes on with this
9 project, I don't want any of these guys to even
10 think about it. In fact, I want this, and a
11 couple of people in this room have heard this
12 story before, I want this on the Canada Bond
13 desk, I don't even want the fixed income guys
14 looking at this. Why? What's my lowest interest
15 rate in Canada? Canada Bonds. I want this sold
16 on the bond desk. So in order to put it on the
17 bond desk I said, "Here's what we're going to do,
18 we are going to take the top half and we're going
19 to do what's called a credit wrap, a credit
20 substitution wrap." Everybody kind of already
21 thought about that but they couldn't figure out
22 how to do it. I said, "It's staggeringly simple,
23 we're going to put that thing in the middle, that
24 financing trust, it has a purpose." And its
25 purpose is for me to draw that line. And so

1 above that line is where the bonds are coming in.
2 By the way we didn't know if these bonds were
3 going to be picked up in Canada or Europe, we
4 were ready to do a Luxembourg listing. We had no
5 idea what the appetite in Canada was for
6 basically \$6.5 billion worth of additional bonds
7 going out in the midst of all the bond offers
8 that already going on for Canada, no clue. But
9 we did know that if we made it, basically, "Hi,
10 we're going to borrow the money, we promise to
11 pay you back, this is the way we're going to pay
12 you back. And if we don't pay you back that's
13 these guys, then Canada will." In order to get a
14 credit substitution rating that's basically what
15 we had to do. But I have all the rest of this
16 mandate and the rest of this mandate is to ensure
17 that that project is completed on a regionally
18 responsible basis for the lowest net present
19 value of the financing. Because the whole
20 political purpose behind the regional promotion
21 was to ensure that the rate payers and tax payers
22 of this region were, in fact, getting the benefit
23 of Canada stepping behind it, otherwise why
24 bother getting it, because the whole idea was to
25 lower the cost so the rates could be kept down.

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1 I said, "We're going to take the bottom half and
2 put all the complexity down there, the market
3 will never see it, the market will never care,
4 they've got a Canada equivalent bond." We even
5 wrote the wording so it looked exactly like a
6 Canada bond. I know because I wrote it. We
7 wrote the wording, Canada Bond wording, exactly
8 what it reads like.

9 Then I took the bottom half, and that's the
10 part you're interested in. The top half is what
11 everybody talks about and they look at it and
12 they kind of probably go, you know, it's a simple
13 bond offering and so on. The bottom half is
14 what's different. And the bottom is where all of
15 the stakeholders agreed that this was going to be
16 a commercial transaction and not the government
17 stepping up and, you know, doling out some more
18 handout because in 2012, 2013, well 2012 was when
19 the turn sheet was signed, that could not be
20 done, it had to be done responsibly.

21 So in the bottom what we did was we put in
22 place what I would call a rigid project finance
23 protocol. And the rigid project finance protocol
24 is documented in a series of documents between
25 the trust and Maritime Link, which is the project

1 proponent. There are industry standards,
2 probably actually the toughest set of industry
3 standard credit documentation I've ever written,
4 sitting at this level. It looks like a really
5 good project finance transaction. It's got all
6 of the commercially normal, representations,
7 warranties, covenants, conditions precedent, it
8 could fly in the most rigid assessment of a
9 commercially responsible project finance
10 transaction. That sits here.

11 What we then did was we said, "Okay, Canada
12 has given its guarantee up here, it's on the
13 hook." And you really - this isn't a real
14 secured lender to the proponent is it? Not
15 really, because it's internal. So what are we
16 going to do? Well we're going to effectively
17 assign all of these rights to Canada to support
18 its guarantee obligation because if it has to be
19 called on the guarantee it's going to be able to
20 step in, take on the project, deal with the
21 project and exercise the same rights as if it was
22 a secured lender.

23 That then meant that we went through coming
24 into this project an extensive exercise of due
25 diligence that was designed to answer the five

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1 questions. Can it be built? If it will be built
2 will it work? If it is going to be built can we
3 finance it? If we can finance it can we pay it
4 back? And do we have reasonable expectation that
5 this is going to be providing the most cost
6 effective result? That's all this is for. But
7 within that we ended up a panel that is an
8 oversight panel that is completely independent
9 from the proponents, the folks that are sitting
10 here. And that's the team that I work with. And
11 anybody who thinks that an independent oversight
12 team is a tick box exercise hasn't lived it.
13 This team has been designed so that before the
14 transaction closed it was reviewed by an
15 independent engineer. The independent engineer's
16 report, in case any of you are not sort of fully
17 familiar with working with one, an independent
18 engineer is required to come in and do an
19 independent review of all of the plans and
20 specifications, the budget and the timeline for
21 construction, Y times money. And they are to
22 report back to the person that they are retained
23 by. And in both cases, although the original
24 retainer was with the proponent or alliance
25 agreement transferred the retainer to Canada.

1 They have to report on the viability of the
2 project, can it be built? If it's built will it
3 perform? They had to report on whether the
4 budget was reasonable and the timelines for
5 construction were reasonable. That report had to
6 be in place before the transaction went ahead.

7 We had a review by an independent insurance
8 consultant. Is the insurance backup adequate?
9 And that's not just the insurance for liability
10 and property damage. In a project of this nature
11 it's all of the surrounding, the bonds and the
12 performance and the letters of credit and all of
13 the assurances that we need that the project is
14 going to be safe. It's going to be built and
15 finished and it's going to be insured. If
16 something goes wrong we've got somewhere to look
17 for money. And if you think finding \$6.5 billion
18 - that was the minimum we required that was
19 actually over insured, in the market is easy you
20 can think again. So we worked with an
21 independent insurance consultant. They helped
22 us, by the way, both the independent engineer and
23 independent insurance consultant also helped us
24 drive the covenants of the documents and the
25 follow-up reporting and reviews.

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1 We also worked with independent
2 environmental consultants. We had aboriginal
3 consultants. All of the stuff that I said we
4 were going to dismiss as noise actually did exist
5 on the project. We had independent reviews.
6 Sometimes internal to Canada because let's face
7 it, an aboriginal, they are the experts. But
8 those reviews were done.

9 We had financial advisors doing independent
10 reviews and then obviously my legal team was
11 doing extensive diligence. What did that mean?
12 We're looking at the plans, we're looking at the
13 specifications, we're looking at the land rights,
14 we're looking at the contracts, we're looking at
15 the permitting, we're looking at how things are
16 being brought together. In the context of the
17 whole we're probably the only ones that looked at
18 all four projects and how they fit together. I
19 will not tell you the pangs of dealing with
20 subsea cables, it is not, you know, a simple
21 task. But that was all done in this, it would
22 not normally be done in a guarantee. And that's
23 what's different, it was done as Canada being the
24 equivalent to what's called a monoline credit
25 wrap provider. And that was the model we used.

1 And what that means is this is the equivalent to
2 the secured lenders, taking all of those rights
3 and taking each one of those reviews.

4 We have to do it in three stages. We had
5 the due diligence stage, so that financing didn't
6 close until every single one of those independent
7 reviewers was satisfied that this project could
8 be built, built correctly, operate, deliver the
9 power it's supposed to deliver and that the
10 budget and timelines were reasonable. No more
11 than that commercially reasonable. That was
12 done.

13 We then have the period of construction.
14 And during construction anybody who knows project
15 finance here will know that what happens is the
16 lenders will look and on a regular basis will
17 ensure, number one, the funds are going to the
18 project and nowhere else. That number two,
19 they're being paid against approved expenses.
20 That is for the goods and services that are
21 appropriately contracted for under the approved
22 contracts and against the budget, so we look for
23 that. We look to make sure that we're not
24 getting ahead of that. In other words, as the
25 money is going out it is to pay for things that

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1 have been done or is a direct matching on the
2 expenses. So you're looking for that. You're
3 looking to make sure that you're still running on
4 track, that is that, the quality is still there,
5 the specifications are being met, that the
6 timelines are being met. And you do that every
7 month. And the ultimate hammer you've got is if
8 it isn't they don't get the money. And they
9 don't get the money until we've got an
10 explanation, we agree to changes or it's fixed.
11 That is done every month. And that's pretty
12 normal in project finance on a one-month basis
13 because the majority of contracts are 30-day pays
14 with delays. So that timeframe is not unusual
15 and that might explain the difference between the
16 quarterly and the monthly. Which is a quarterly
17 report to regular are pretty normal. Monthly is
18 required because you've got to keep your payments
19 current and that's the normal cycle.

20 So every single month what will happen is -
21 and the package isn't one piece of paper saying,
22 "Hey, it's all okay, please give us this amount
23 of money." The package is this thick, I can see
24 him greying as I get to know him. The package is
25 this thick and it contains not just, "Here's the

1 numbers," but there is complete invoice by
2 invoice backup of the expenses they say that they
3 are done. We get a construction update report
4 that shows where each one of the contracts are
5 and how they're progressing. It tells us if
6 there's disputes. That is reviewed by the
7 independent engineer and the cycle is four to
8 five days of full time review. This is not
9 tossed off, it can't be, that's the depth of the
10 information that's coming in. I will tell the
11 legal side, fortunately for me, is like an hour
12 or two so it's pretty good. But the independent
13 engineer, literally, has four and five-day review
14 process, that's how long it takes.

15 During the course of that I know the
16 attention is being paid because I get copied in
17 on all of the emails and the questions will come
18 back and forth with question and answer coming
19 on. It's a detailed review. If the independent
20 engineer is not satisfied, he will report as such
21 to the collateral trustee. The collateral
22 trustee being, typically of anybody who has dealt
23 with a collateral trustee, the second there's an
24 issue there is no money moving. And it will get
25 sorted out. So that what this is is it's a catch

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1 it early for problems either in the relationship
2 or in the information or in the project. By the
3 way, there's been nothing, everything has been
4 fine. That's done every month. If we need the
5 insurance consultant because there's a change,
6 then that's fine. We also get a special report,
7 and there will be hands-on meetings if and when
8 this occurs, if there is a material change order
9 or if there is a material change to a material
10 contract that requires consent. That cannot be
11 agreed to without Canada as guarantor agreeing to
12 it. So again you've got that backup oversight.

13 That will continue right through
14 construction and then there is a specialized
15 process developed for the review of
16 commissioning. Again, very intense, ensuring
17 that the commissioning is correct, making sure
18 that the commissioning and the run-ups on the
19 testing is all safe.

20 And then during operations there is also a
21 requirement for a one-year review to ensure that
22 operations and maintenance is going properly
23 because if you're the guarantor of financing,
24 even if it is amortizing down over time, you're
25 still on the hook and you've got an aging asset

1 and you're still out there on the debt you want
2 to make sure it's being looked after properly.
3 So oversight by this team will continue
4 throughout the life of this project, it will
5 never stop.

6 That is relatively classic, but very
7 enthusiastic, project finance techniques. And
8 that's the bottom half of this structure, that's
9 what's different. Canada had never done this
10 before. Most government authorities don't do
11 this before. The decision was made to do this as
12 a commercial style, commercial backed type of
13 arrangement. So we ended up structuring that.

14 That explains kind of how we oversight what
15 is going on. Canada doesn't run this project.
16 Canada doesn't own this project. Canada isn't
17 engineering this project. Canada is doing none
18 of that. But Canada as the buck stops here, the
19 last dollar, if it fails, has the right to be
20 kept fully informed and has secured lender
21 equivalent rights. So they didn't take anything
22 that if you'd gone to the market on, you know, a
23 financing of the whole, they didn't take anything
24 that wouldn't be given anyway. But the rights
25 are fairly extensive and it does keep a really,

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1 really solid second set of eyes on this.

2 We then had to sit down and work, once we
3 sort of had this basic structure, which was "how
4 do we finance it? Where do you go?" We really
5 simplified things now because it means we can go
6 to the bond market as opposed of having to go to
7 the much more complicated fixed income markets or
8 project finance markets. So we know the
9 financing can go to the bond market. But again,
10 I will remind people, I don't have a \$1.5 billion
11 project, I've got a \$6.5 billion financing for a
12 regional project that I have to be concerned
13 about.

14 So we again brought in, like the team that
15 we brought in to assess the project, there was
16 massive consultation. The financing itself, that
17 is the hardcore of looking at exactly what do we
18 do and how do we do this? What do we participate
19 in? What are we prepared to work with was about
20 a year and a half with nine months' intensive
21 time. And during that time as a consequence of
22 the way in which we were able using two RFPs,
23 because remember, I now get the advantage, I got
24 two projects so we can check them off against
25 each other and so on, which is good. We went out

1 in each case in active participation in the
2 process that saw all of the major investment
3 houses in Canada, effectively brought in because
4 everybody wanted to respond to these RFPs, and
5 got the recommendations around how to do the
6 deal.

7 The number one mandate that they were
8 responding to - so Canada is highly concerned
9 that we've got a regional project, it's good,
10 other people don't care about that. Lending
11 people knew one thing and one thing only, they
12 would not win this mandate if they did not
13 deliver the lowest net present value cost of
14 financing. There were other mandates put in
15 there but that was number one, net present value
16 cost of financing. And every design that came
17 in, and there were sort of a number of
18 variations, relative - amazing consistency by the
19 way, amazing consistency, but that was what had
20 to be delivered. Taking that meant that we had
21 to work with - there were some commercial things
22 that had been built in with the mandate by the
23 way about how things had to amortize to start
24 getting Canada off that type of thing. But the
25 biggest one was lowest cost. And we did make it

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1 clear that was net present value overall cost,
2 not lowest interest rate, because all of us were
3 experienced enough to know that one is not the
4 same as the other and one is way more valuable
5 than the other.

6 So we brought in, in the course of looking
7 at this, beside all of the internal and external
8 advice that Maritime Link had Canada had all the
9 same. So we had independent financial advisors,
10 you know. In my team, I mean I alone, I'm in my
11 39th year of doing project finance, Dal law was a
12 long time ago. And, you know, the rest of my
13 team I've got 25 and 30 year practitioners. So
14 you had a lot of experience there. But we then
15 got on top of all of that, besides the financial
16 advisors and the others, the rating process
17 itself. So you're going to the rating agencies
18 that are canvassing the world, these are
19 international rating organizations, they can
20 reach out all over the world, at every major
21 project finance structure there is out there, we
22 got their input. They don't tell you, a rating
23 agency won't tell you how to do your deal. If
24 you've never dealt with them, they will not tell
25 you how to do your deal. They will tell you when

1 they think you're going in the wrong direction
2 and will steer you back. So we had the rating
3 agencies giving up input around, number one, what
4 we had to do to achieve credit substitution. But
5 then secondly, soft guidance around the way that
6 they thought the markets were going to react and
7 what we had to do.

8 We had every single one of the investment
9 banks in responding on an RFP basis and they were
10 giving a lot of creativity because that was
11 desired. So they were sent away saying,
12 effectively, lowest net present value, other than
13 that you tell us. So you had the brightest minds
14 in financing Canada, hopefully, coming back
15 saying, "We think this is what you should do."
16 So we got all of that input. We also ended up
17 having input, because this was large enough, that
18 this was very much on the radar screens at the
19 very highest levels, so right the way through
20 anybody with a finance function in Canada was
21 giving us advice. Sometimes more formal,
22 sometimes less formal but they were very much at
23 the table. We were getting the brightest minds
24 on bond financing in Canada because Canada does
25 the most bond financing, we had that expertise

1 available.

2 So that in terms of sitting down and looking
3 at how you ended up structuring this the
4 proponents got the advantage of the fact that the
5 largest bond issuer in the country, being the
6 country itself, was at the table with its tools
7 coming available and that was all delivered.
8 Like that was all put out on the table and the
9 suggestions and recommendations.

10 So in the end result the structure of the
11 financing had one primary element to it in the
12 actual way we did the bonds backed by the fact
13 that we had come up with a structure that
14 preserved all of the other mandate issues that I
15 had. And by the way the market loved this
16 structure, it was the right choice, no question
17 about it. But they told us what the bonds had to
18 look like, the market told us. When you're going
19 out with this kind of an offering, \$6.5 billion
20 into the Canadian Bond markets in roughly a
21 three-month period you have to pay attention to
22 the timing of other offerings, the structure of
23 other offerings that's coming out, the pricing on
24 the other offerings, the effect on the Canada
25 Bond rate and a number of other things. The

1 market basically told us what to do. In the end
2 result the execution was remarkable, it was
3 absolutely - I don't know if you know but Nalcor
4 was hugely oversold, the market like the way that
5 it was done. But it was not done the way a lot
6 of people think. Like this is not a classic
7 structure, it might become one because again, the
8 world, the market said, "This is a good
9 structure, keep us out of the noise but make sure
10 we know that the noise is there, that the
11 discipline is there, that the oversight is
12 there." Because even though the bondholders know
13 that they'll get paid no matter what nobody wants
14 to be part of a failed project. So they wanted
15 that discipline down below.

16 So the sort of story for this group is, this
17 wasn't an accident, it might have started on a
18 napkin at Rodney's on Water Street, but this was
19 not an accident, the structure was done to meet
20 some very, very important mandate items that
21 should be yours as well.

22 Lowest cost. Safest possibility of
23 execution. Recognizing the regionality.
24 Ensuring that the projects and the financing for
25 the projects keep the thing working as a whole.

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1 That's what we were mandated to do, that's what
2 we hope we did. So the structure, "What was she
3 thinking?" Well what I was thinking was that,
4 how do I keep it simple to the world? How do I
5 keep it project finance structurally rigid to
6 ensure that - it's like this now becomes my
7 foundation and I've got a solid foundation. So
8 that's what was behind all of this. So when you
9 hear people sort of saying, well it's got this
10 and it's got that, there really was thinking
11 behind it and the thinking behind it was safety,
12 soundness, rate payers. It was exactly all of
13 the right things that we should think about.
14 Remember, I too am a rate payer for my utilities
15 here in Nova Scotia.

16 So if you've got any questions? And the
17 sketch, I don't know, Brian, if you put it in
18 yours but I did put the sketch with the
19 explanatory notes in mine.

20 (no questions)

21 Ms. Manzer's presentation ends at 3:14 p.m.

22

23

24

25 **MS. GREENOUGH:** Well thank you very much

1 Alison, that was very helpful and very
2 interesting. So with that I'm going to turn
3 things over to René Gallant for a regulatory
4 update.

REGULATORY UPDATE

1 RENÉ GALLANT - VICE PRESIDENT, LEGAL AND REGULATORY

2 AFFAIRS

3 NSP MARITIME LINK INC.

4 REGULATORY UPDATE - 3:14 P.M.

5

6 Okay, I thought it might have been a sign
7 that I didn't have a microphone, but I have one
8 now so good for me.

9 First I just want to say, firstly, thank you
10 to Alison for being here today, Alison represents
11 Canada, as she explained. The only professional
12 relationship we have is that I have to call her
13 from time to time to make sure we're still on
14 track. I called her and said, "You know, we're
15 trying to help explain to people the oversight
16 role that we experience." And Matthew and Brian
17 and his team, their team, experience in terms of
18 our monthly reporting to the independent engineer
19 and our accountability to Canada. And we
20 couldn't think of anyone better to explain it,
21 and Alison you were very gracious to come down
22 and do this for all of the folks who are
23 participating in, you know, the oversight from a
24 regulatory side of our projects. So thank you
25 very much for being here.

1 And I just encourage you as, you know, as
2 we're wrapping up today, if you have questions,
3 either during this open session or afterwards,
4 it's a rare opportunity to ask questions to
5 Alison, someone so expert in this area.

6 I'm just going to take a few minutes, I
7 don't think I have a lot to say here really, I
8 have one slide. I'd had some questions before,
9 one from Nancy Rubin, at least in my recent
10 memory, about what are the processes we're going
11 to use, when are we actually going to be in
12 hearings or in applications for the Maritime Link
13 again? And so I thought I'd lay out the way we
14 see it and while this is subject to change as the
15 project continues to unfold and the construction
16 gets executed, this is what I'm anticipating.
17 And so I thought I would share it with you, if we
18 want to have a discussion that's great, but at
19 least you can think about when you might become
20 involved in official processes. And we can talk
21 as well about more informal stuff like we're
22 doing today.

23 So the **Maritime Link Act**, the regulations
24 actually under the act require an application for
25 an assessment to be made before energy flows over

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1 the Maritime Link under the Nalcor transactions
2 as that is a defined term in that Act. And so we
3 are planning to deliver the project, commission
4 it and provide to Nova Scotia Power to operate no
5 later than January 1st, 2018 so we need to set the
6 assessment before then.

7 The challenge that we have as we think about
8 that is that while we are confident about our
9 commissioning date we know that the way these
10 projects work there will continue to be costs
11 incurred post commissioning that are really part
12 of the capital costs of the project so they'll
13 extend into 2018. We'll be closing out the final
14 big contracts, for example, we're trying to avoid
15 any claims but we are realistic and to the extent
16 there are claims we need a little time to close
17 them off. So we won't know our final costs
18 before energy flows. So we have to comply with
19 that legislation but we would really rather be
20 able to come back to you with our final costs.
21 So that being said this is the way we think it
22 will work best in our current plan.

23 So I've just got three phases here. The
24 first one is this quarter and it's actually not
25 NSPML but NSPI. So there's two components of

1 costs here, one is the recovery of revenue and
2 then the other is payment of that revenue to
3 NSPML. So NSPI has to recover the revenue from
4 its customers and under the rate stabilization
5 plan legislation that's recently been enacted.
6 They are compelled to bring forward their three-
7 year base cost of fuel covering the years that
8 include when the Maritime Link comes on. And so
9 we understand NSPI is working away on that and
10 you'll see it in this quarter. And I don't know
11 that I can speak much more to the NSPI
12 application on that other than to say we are
13 expecting that NSPI's base cost of fuel for the
14 FAM during this period is going to commence the
15 recovery of funds necessary to pay the NSPML
16 assessment. And we have provided publically
17 available information to NSPI about the costs.
18 You've heard it today from Brian and Rick, we are
19 on budget and on schedule to deliver on January
20 1st, 2018. And so we would expect the assessment,
21 at least for NSPI's assumption of revenue
22 recovery, to be based upon that information. And
23 that will ensure that when the project comes
24 online that the FAM is recovering the funds to
25 pay the assessment. But it doesn't set the

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1 assessment, we have to, as NSPML, bring that
2 application ourselves under the act and under the
3 **Public Utilities Act**. So we will do that. We
4 haven't picked a specific date for that
5 application, in order to maintain flexibility to
6 see how the construction plays out, especially
7 the construction this year which is important.
8 But we could, frankly, bring an application
9 anytime between today and whatever date is
10 necessary to complete the process to have it in
11 place for January 1st, 2018. So, you know, let's
12 say over the course of the next 18 months you'll
13 see an application from us. And since we won't
14 have final costs our current thinking is that
15 that application will be again based upon
16 publically available information about the costs.
17 And if we stay on track, on schedule, the
18 delivery day of January 1st, 2018, I actually
19 expect, sitting here today, it should be the same
20 number that NSPI recovers in its revenue would be
21 out initial assessment. And that will stay in
22 place until our final costs are known and filed
23 with the Board and approved and a new assessment
24 set.

25 So anticipating that you would want to set

1 assessments effective January 1st for payments and
2 revenue recovery purposes so there's an ability
3 to have a smooth transition it's likely that that
4 first assessment will stay in place through 2018.
5 We would hope to be back with our final cost
6 filing with the Board in 2018. And give the
7 Board and stakeholders time to review those
8 costs. The Board will of course set its process
9 for that and, you know, consider any of the
10 substantive questions about the capital cost or
11 about the financing and make a final approval
12 about the costs. If we are able to deliver the
13 costs, you know, on budget it should match the
14 initial assessment. If we are exactly on time
15 and on budget to the assumptions today then
16 January 1st, 2018 you'll have a project at \$1.55
17 billion. If we can bring it in under budget,
18 then that assessment would have to be adjusted to
19 reflect the lower costs that we actually ended up
20 incurring for customers.

21 So we're seeing this in three phases, NSPI
22 is going to start the process to set the revenue
23 recovery as part of its base cost of fuel rate
24 stabilization plan. We will have to come in to
25 set what is probably going to be the same

REGULATORY UPDATE

1 assessment level for a shorter period of time as
2 we can have. When our final costs are known
3 we'll be back, file them all, be completely
4 transparent about it and have what we're calling
5 the final assessment set.

6 Into the future, of course, we are
7 operating, we'll operate the line, we'll be a
8 very small utility just operating one
9 transmission line which, in fact, NSPI is
10 actually going to manage in terms of the rights
11 to use the transmission line and that kind of
12 thing. But we'll be operating and maintaining the
13 line and this will have some employees but we'll
14 have annual operating and maintenance costs. So
15 we would expect over the next 35 years after
16 commissioning that we'll have to come back on a
17 regular basis, but not likely annually, to
18 revisit those costs from time to time and reset
19 the assessment. We haven't - I think refined,
20 the thinking, about how often that would be or
21 how that would look like but we don't expect
22 we're setting, you know, revenue recovery from
23 NSPI to NSPML for a 35-year period when we come
24 back in 2018. But certainly we'll have to come
25 back in 2018 with final costs to get that closer

1 from the Board.

2 So I hope that was clear about our
3 expectations and I'm happy to take any questions
4 about that or over time have more discussions
5 with each of you about, you know, what you want
6 to see in each phase of these applications. I
7 would say, if I could as I'm not seeing any
8 questions, just on the informal kind of
9 engagement. We organized today because even
10 though we're filing quarterly reports and we've
11 come out to see some of you from time to time and
12 have one on one conversations we have a sense
13 that we can be more transparent about how the
14 project is going. And we can share with you some
15 of the details about the construction. Some of
16 the challenges we're facing, like we have today
17 on the safety side, that we are enhancing our
18 practices once we have some experience in the
19 field that we can explain to you some of the
20 things that you might be wondering about. We've
21 had questions, you probably have seen from the
22 Board, in terms of the IRs and filings that we've
23 made over the past couple of years about
24 financing. And we tried to use this as a
25 mechanism to be more transparent and share with

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1 you exactly what we've been doing and what we've
2 been experiencing. And it's our view today that
3 when we come back with our final costs if we have
4 done our job in that transparency then you'll
5 have, you'll know what you're seeing, you'll see
6 what you were expecting to see during that
7 filing. There will be very few surprises.
8 You'll know whether something is causing you
9 concern anymore or not and that should be,
10 hopefully in that way, a very smooth process
11 where we're answering any of your final questions
12 about what happened as we closed out the project.
13 But otherwise you'll have a sense of what it took
14 to build the Maritime Link, what those final
15 costs are and how they're going to be recovered.

16 And so, you know, we are very appreciative
17 of you being here today to listen to some of
18 these matters. We also want to be speaking to
19 the things that are on your mind. We've prepared
20 a survey, it's just a one-page, it takes you two
21 minutes to fill it out maybe. I'd appreciate if
22 folks would do that and give us your feedback on
23 whether today was worthwhile or whether there's
24 something you'd like to hear from us, a topic
25 you'd you like to hear from us on the next time

1 we might get a chance to be together. And if
2 there are other ways you'd like to hear from us
3 about the project we're happy to consider those
4 ideas too. But I think you'll have known from
5 your past experience that technical conferences,
6 reports to the Board, these are the key tools
7 that we have to communicate. And of course the
8 opportunity to visit you in your own offices from
9 time to time which we've done in the past with
10 some of you, we're happy to do that as well.

11 Anyone have any questions at all about
12 today? Any questions for Rick or Ken or Brian,
13 Alison?

14 (no questions)

15 Do you want me to wrap up?

16 **MS. GREENOUGH:** I just want to mention we do
17 have a copy of the survey if folks don't have one
18 in their package.

19 **MR. GALLANT:** The survey was in your
20 package, just the one page, if you can fill it
21 out and leave it for us. You don't have to put
22 your name on it but if you want to then if you
23 have any questions we can contact you directly.
24 We'd appreciate your feedback and of course if
25 you think of something after you've gone today

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1 you know how to reach all of us. Mary Ellen or I
2 are happy to take your questions at any time.
3 Again, thanks Alison for being here. Thank you
4 to everyone for being here and we'll see you
5 soon.

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[RECORDING ENDED AT 3:27 P.M.]

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CERTIFICATE OF COURT TRANSCRIBER

I hereby certify that I have transcribed the foregoing and that it is a true and accurate transcript of the NSP Maritime Link Incorporated Technical conference, taken by way of electronic recording in Halifax, Nova Scotia on February 23, 2016.

Rita Newton, Certificate No. 2006-56
CERTIFIED COURT TRANSCRIBER,
PROVINCE OF NOVA SCOTIA

Halifax, Nova Scotia

March 24, 2016