From: <u>jamesmeaney@nalcorenergy.com</u>

To: Kapoor, Anoop; Krupski, Joseph: Anne Boudreau; Lazarus, Rhonda; Nikolay Argirov; Reynold Hokenson; Freeman, Michael (TD

Securities); Manzer, Alison; Sullivan, Peter J.

Cc: Martis Xeno; aonesi@fasken.com; Gutierrez Félix; Rob Hull; Gerald Cahill; Ed Bush; Connors, Gregory; Felt, Meghan

Subject: MF/LTA and LIL Construction Reports - December 20, 2013

Date: Friday, December 20, 2013 11:07:11 AM

Attachments: \_\_png

.png

Construction Report - LIL 12-20-2013.pdf Construction Report - Muskrat-LTA 12-20-2013.pdf

#### Hello Folks

In accordance with the provisions of the MF/LTA and LIL project finance agreements, please find attached the respective Construction Reports dated December 20, 2013.

You will see in Schedule G of the MF/LTA report that contract CH-0007 (Powerhouse) has been executed. This has been sent to MWH and TD Bank via Aconex transmittal and will be made available to others via the Intralinks data room.

Please let me know if you have any questions.

Regards

Jim



Construction Report - LIL 12-20-2013.pdf



Construction Report - Muskrat-LTA 12-20-2013.pdf



James Meaney, CFA
General Manager Finance
Nalcor Energy - Lower Churchill
Project
t. 709 737-4860 c. 709 727-5283 f.
709 737-1901

e.

JamesMeaney@nalcorenergy.com

w. <u>nalcorenergy.com</u> **1.888.576.5454** 

You owe it to yourself, and your family, to make it home safely every day. What have you done today so that nobody gets hurt?

# **CONSTRUCTION REPORT**

Date: \_20-December-2013\_\_

#### THE TORONTO-DOMINION BANK

AS COLLATERAL AGENT 66 Wellington Street West 9th Floor Toronto, Ontario M5K 1A2

#### MWH CANADA INC.

AS INDEPENDENT ENGINEER 505 Burrard Street, Suite 1500 One Bentall Centre Vancouver, BC V7X 1M5

#### Gentlemen:

We refer you to the financing agreement dated as of November 29, 2013 entered into among Labrador - Island Link Limited Partnership (the "Partnership"), as borrower LIL Construction Project Trust (the "Intermediary Trust"), as lender, Labrador - Island Link Operating Corporation ("Opco") and Labrador - Island Link General Partner Corporation (the "General Partner"), as credit parties, and The Toronto-Dominion Bank, as collateral agent (the "Collateral Agent") (said agreement, as same may be amended, supplemented or restated from time to time is hereinafter referred to as the "LIL Project Finance Agreement").

We also refer you to the master definitions agreement entered into among, *inter alia*, the Collateral Agent, BNY Trust Company of Canada, as issuer trustee of Labrador-Island Link Funding Trust, BNY Trust Company of Canada, as trustee of the Intermediary Trust, Nalcor Energy, Labrador-Island Link Holding Corporation, Her Majesty The Queen In Right of the Province of Newfoundland and Labrador, the Partnership, as an obligor, Opco, as an obligor, the General Partner, as an obligor, and Computershare Trust Company of Canada, as the security trustee (the "MDA").

Unless otherwise defined herein or unless there be something in the subject or the context inconsistent therewith, all capitalized terms and expressions used herein shall have the same meaning as that ascribed to them from time to time in the MDA.

This Construction Report is delivered to you pursuant to subsection 7.3.2 and Section 11.3 of the LIL Project Finance Agreement in respect of the month ending on 30-November-2013 (the "Applicable Month").

- I, Gilbert Bennett, the undersigned, Vice-President of Devco, and as Vice-President of the General Partner, without personal liability, do hereby certify that:
- 1. I have conducted such investigations as I have deemed necessary to provide the information set out in this report and in so doing I have verified all engineering related matters with a licensed professional engineer working on our behalf in respect of the Project;
- 2. Attached hereto as Schedule "A" is a true and accurate table detailing the Hard Costs incurred during the Applicable Month and compared as against the original Project Budget;



- 3. Attached hereto as Schedule "B" is a true and accurate analysis of the Cost to Complete as at the end of the Applicable Month;
- 4. Attached hereto as Schedule "C" is a true and accurate analysis of the Cost Variances as at the end of the Applicable Month, with a narrative explanation as to any variances from the original Project Budget;
- 5. The estimated Commissioning Date is currently 01-June-2018;
- 6. There are no material disputes with any Material Project Participant or related claims against the Partnership, other than as set out in Schedule "E" hereto;
- 7. Attached hereto as Schedule "F" is a true and accurate report describing the progress of the construction of the Project since the **Closing Date** and compared as against the originally established milestone in the Project Schedule;
- 8. The Project is being built substantially in all respects in accordance with the Project Plans and Good Utility Practice;
- 9. Subject to Sections 9.5 and 9.14 of the LIL Project Finance Agreement, I have no reason to believe that the Project is being built in violation of any Applicable Laws or Authorizations in effect at the time of performance of the relevant work;
- 10. Subject to Sections 9.5 and 9.14 of the LIL Project Finance Agreement, all Material Project Participants and other Persons participating or working toward the Commissioning of the Project, to the best of my Knowledge, are not in material default with respect to any of their respective obligations which would delay Commissioning beyond the Date Certain and the Partnership is not in material default in the payment of any sums due to such Persons in accordance with the terms agreed upon or in the fulfilment of any of its obligations with respect to such Persons, save and except with respect to such payments or obligations which the Partnership shall be contesting diligently and in good faith and in respect of which, in the event that such contestation should prove unsuccessful, no Lien shall be created or result upon or with respect to any LIL Assets and Rights now owned or hereafter acquired by the Partnership, except for Permitted Encumbrances;
- 11. Subject to Sections 9.5 and 9.14 of the LIL Project Finance Agreement, all Authorizations which, under Applicable Law, as at the date hereof, are necessary to have been obtained in connection with the Project and the work currently being performed on the Project, have been obtained and are in full force and effect and do not contain any condition which could prevent or adversely affect the ability of the Partnership of attaining Commissioning by the Date Certain; and
- 12. Attached hereto as Schedule "G" is a true and complete copy of each of the Additional Material Project Documents entered into by the Partnership since the Closing Date.



LIL CONSTRUCTION REPORT PERIOD ENDING 30-NOVEMBER-2013

Signed at St. John's, Newfoundland and Labrador, this 20<sup>th</sup> day of December, 2013.

Name: Gilbert Bennett, 7.6-5.
Title: Vice-President of Devco and the

General Partner

# SCHEDULE "A"

# Schedule "A" - Summary of Project Budget - Hard Costs Lower Churchill Project-Phase 1 Labrador-Island Transmission Link (LIL)

Period Ending 30-Nov-2013

		Planned Costs		Incurred Costs	
Description	Project Budget	Current Period	Project-to-Date	Current Period	Project-to-Date
NE-LCP Owners Team, Admin and EPCM Services	\$247,074	\$4,258	\$76,332	\$1,856	\$72,958
Feasibility Engineering	\$34,012	\$320	\$33,827	\$0	\$33,913
Environmental & Regulatory Compliance	\$25,768	\$307	\$8,292	\$8	\$8,018
Aboriginal Affairs	\$2,244	\$18	\$467	\$0	\$449
Procurement & Construction	\$2,135,212	\$11,644	\$35,128	\$3,483	\$27,101
Commercial & Legal	\$22,490	\$1,178	\$10,255	\$5	\$9,489
Contingency	\$79,355	\$0	\$0	\$0	\$0
Total	\$2,546,155	\$17,725	\$164,301	\$5,352	\$151,928

Note: Costs in CAD (\$ Thousands)



#### SCHEDULE "B"

# Schedule "B" - Summary of Cost to Complete Lower Churchill Project-Phase 1 Labrador-Island Transmission Link (LIL)

Period Ending 30-Nov-2013

Description	Project Budget	Incurred Costs Project-to-Date	Final Forecast Cost (FFC)	Cost to Complete
NE-LCP Owners Team, Admin and EPCM Services	\$247,074	\$72,958	\$247,074	\$174,116
Feasibility Engineering	\$34,012	\$33,913	\$34,012	\$99
Environmental & Regulatory Compliance	\$25,768	\$8,018	\$25,768	\$17,750
Aboriginal Affairs	\$2,244	\$449	\$2,244	\$1,795
Procurement & Construction	\$2,135,212	\$27,101	\$2,135,212	\$2,108,111
Commercial & Legal	\$22,490	\$9,489	\$22,490	\$13,001
Contingency	\$79,355	\$0	\$79,355	\$79,355
Total	\$2,546,155	\$151,928	\$2,546,155	\$2,394,227

Note: Costs in CAD (\$ Thousands)

# Analysis:

Most of the construction contracts for LIL are pending award. To date, the only awarded contracts are related to the SOBI section and the HVdc specialties earthworks at Muskrat Falls and Soldier's Pond. Work has yet to commence at Soldier's Pond and the SOBI construction activities are in early stages.

Most of the construction and equipment procurement contracts have had bids received and will be awarded in 2014.

All indirect costs are incurred as the work progresses.

# SCHEDULE "C"

Schedule "C" - Summary of Cost Variances Lower Churchill Project-Phase 1 Labrador-Island Transmission Link (LIL)

Period Ending 30-Nov-2013				
Description	Project Budget	Final Forecast Cost (FFC)	Variance	
NE-LCP Owners Team, Admin and EPCM Services	\$247,074	\$247,074	\$0	
Feasibility Engineering	\$34,012	\$34,012	\$0	
<b>Environmental &amp; Regulatory Compliance</b>	\$25,768	\$25,768	\$0	
Aboriginal Affairs	\$2,244	\$2,244	\$0	
Procurement & Construction	\$2,135,212	\$2,135,212	\$0	
Commercial & Legal	\$22,490	\$22,490	\$0	
Contingency	\$79,355	\$79,355	100	
Total	\$2,546,155	\$2,546,155	\$0	

Note: Costs in CAD (\$ Thousands)

There are no variances between the final forecast cost and the Project Budget.



# SCHEDULE "D"

There is currently no variance from the planned Commissioning Date of 01-June-2018 set forth in the LIL Project Schedule which would delay the Commissioning Date beyond the Date Certain.



# SCHEDULE "E"

There are currently no material disputes with any Material Project Participant, or related claims against the Partnership.



# SCHEDULE "F"

Labrador-Island Link - Milestone Schedule				
Milestone Description	Planned	Actual/Forecast	Status	
Project Sanction	17-Dec-2012	17-Dec-2012	Achieved	
SOBI Cable Systems Ready	25-Oct-2016	25-Oct-2016		
Muskrat Falls Switchyard and Converter Station Ready for Operation	28-Feb-2017	28-Feb-2017		
HVdc Transmission Line Construction Complete and Connected	30-Jun-2017	30-Jun-2017		
Soldier's Pond Switchyard and Converter Station Ready for Operation	04-Oct-2017	04-Oct-2017		
Ready for Power Transmission	04-Oct-2017	04-Oct-2017		
Soldier's Pond Synchronous Condenser Ready for Operation	13-Nov-2017	13-Nov-2017		
Commissioning Complete - Commissioning Certificate Issued	01-Jun-2018	01-Jun-2018		
Date Certain	28-Feb-2019	28-Feb-2019		



#### Construction Narrative:

Construction of the SOBI cable system is progressing as planned on the Newfoundland side of the crossing. Construction power, access roads and site preparation have been completed. The horizontal directional drilling spread was mobilized, and drilling of the first hole commenced on 19-November-2013. Site preparation is proceeding as planned on the Labrador side of the crossing with construction of the site access road.

Site preparation (earthworks) of the Muskrat Falls switchyard and converter station site was executed under package CH0006 and is nearing completion to the subgrade elevation.

The construction contract for the site preparation for the Soldier's Pond switchyard and converter station has been awarded however work is not planned to commence until spring 2014 and will be completed in accordance with the Milestone Schedule.



# SCHEDULE "G"

There were no Additional Material Project Documents entered into since the Closing Date.



# **CONSTRUCTION REPORT**

Date: 20-December-2013

#### THE TORONTO-DOMINION BANK

AS COLLATERAL AGENT
66 Wellington Street West
9th Floor
Toronto, Ontario M5K 1A2

#### MWH CANADA INC.

AS INDEPENDENT ENGINEER 505 Burrard Street, Suite 1500 One Bentall Centre Vancouver, BC V7X 1M5

#### Gentlemen:

We refer you to the financing agreement dated as of November 29, 2013 entered into among Muskrat Falls Corporation ("Muskrat") and Labrador Transmission Corporation ("Labrador Transco"), as borrowers, Muskrat Falls/Labrador Transmission Assets Funding Trust (the "Funding Vehicle"), as lender, and The Toronto-Dominion Bank, as collateral agent (the "Collateral Agent") (said agreement, as same may be amended, supplemented or restated from time to time is hereinafter referred to as the "Muskrat/LTA Project Finance Agreement").

We also refer you to the master definitions agreement entered into among, *inter alia*, the Collateral Agent and lead arranger, BNY Trust Company of Canada, as issuer trustee of the Funding Vehicle, Computershare Trust Company of Canada, as security trustee, Nalcor Energy, Her Majesty The Queen In Right of the Province of Newfoundland and Labrador, Muskrat, as a credit party, and Labrador Transco, as a credit party (the "MDA").

Unless otherwise defined herein or unless there be something in the subject or the context inconsistent therewith, all capitalized terms and expressions used herein shall have the same meaning as that ascribed to them from time to time in the MDA.

This Construction Report is delivered to you pursuant to subsection 7.4.2 and Section 11.3 of the Muskrat/LTA Project Finance Agreement in respect of the month ending on 30-November-2013 (the "Applicable Month").

I, Gilbert Bennett, the undersigned, Vice President of Devco, of Muskrat, and of Labrador Transco, without personal liability, do hereby certify the matters set forth in Section A and Section B below:

#### A. MUSKRAT MATTERS

1. I have conducted such investigations as I have deemed necessary to provide the information set out in this report and in so doing I have verified all engineering related matters with a licensed professional engineer working on our behalf in respect of the MF Plant.

MF/LTA CONSTRUCTION REPORT PERIOD ENDING 30-NOVEMBER-2013

- 2. Attached hereto as Part I of Schedule "A" is a true and accurate table detailing the Hard Costs incurred as at the Effective Date in such prior month with respect to the MF Plant by and compared as against the original MF Project Budget.
- 3. Attached hereto as Part I of Schedule "B" is a true and accurate analysis of the Cost to Complete the MF Plant as at the end of the Applicable Month.
- 4. Attached hereto as Part I of Schedule "C" is a true and accurate analysis of the Cost Variances for the MF Plant as at the end of the Applicable Month, with a narrative explanation as to any variances.
- 5. The estimated Commissioning Date is currently 01-June-2018.
- 6. There are no material disputes with any Material Project Participant related to the MF Plant and any related claims against Muskrat, other than as set out in Part I of Schedule "E" hereto.
- 7. Attached hereto as Part I of Schedule "F" is a true and accurate report describing the progress of the construction of the MF Plant since the Closing Date.
- 8. The MF Plant is being built substantially in all respects in accordance with the MF Project Plans and Good Utility Practice.
- 9. Subject to Sections 9.5 and 9.14 of the Muskrat/LTA Project Finance Agreement, I have no reason to believe that the MF Plant is being built in violation of any Applicable Laws or Authorizations pertaining to the MF Plant in effect at the time of performance of the relevant work.
- 10. Subject to Sections 9.5 and 9.14 of the Muskrat/LTA Project Finance Agreement, all Authorizations which, under Applicable Law, at such time are necessary to have been obtained in connection with the MF Plant and the work currently being performed on the MF Plant, have been obtained and are in full force and effect and do not contain any condition which could prevent or adversely affect the ability of the Credit Parties of attaining Commissioning by the Date Certain.
- 11. Subject to Sections 9.5 and 9.14 of the Muskrat/LTA Project Finance Agreement, all Material Project Participants related to the MF Plant and other Persons participating or working toward the Commissioning of the MF Plant, to the best of my Knowledge, are not in material default with respect to any of their respective obligations which would delay Commissioning beyond the Date Certain and Muskrat is not in material default in the payment of any sums due to such Persons in accordance with the terms agreed upon or in the fulfilment of any of its obligations with respect to such Persons, save and except with respect to such payments or obligations which Muskrat shall be contesting diligently and in good faith and in respect of which, in the event that such contestation should prove unsuccessful, no Lien shall be created or result upon or with respect to any of its Assets, except for Permitted Encumbrances.



MF/LTA CONSTRUCTION REPORT PERIOD ENDING 30-NOVEMBER-2013

12. Attached hereto as Part I of Schedule "G" is a true and complete copy of each of the Additional Material Project Documents entered into by Muskrat since the Closing Date.

#### B. LABRADOR TRANSCO MATTERS

- 13. I have conducted such investigations as I have deemed necessary to provide the information set out in this report and in so doing I have verified all engineering related matters with a licensed professional engineer working on our behalf in respect of the LTA.
- 14. Attached hereto as Part II of Schedule "A" is a true and accurate table detailing the Hard Costs incurred as at the Effective Date in such prior month with respect to the LTA and compared as against the original LTA Project Budget.
- 15. Attached hereto as Part II of Schedule "B" is a true and accurate analysis of the Cost to Complete the LTA as at the end of the Applicable Month.
- 16. Attached hereto as Part II of Schedule "C" is a true and accurate analysis of the Cost Variances for the LTA as at the end of the Applicable Month, with a narrative explanation as to any variances.
- 17. The estimated Commissioning Date is currently 01-June-2018.
- 18. There are no material disputes with any Material Project Participant related to the LTA and any related claims against Labrador Transco, other than as set out in Part II of Schedule "E" hereto.
- 19. Attached hereto as Part II of Schedule "F" is a true and accurate report describing the progress of the construction of the LTA since the Closing Date.
- 20. The LTA is being built substantially in all respects in accordance with the LTA Project Plans and Good Utility Practice.
- 21. Subject to Sections 9.5 and 9.14 of the Muskrat/LTA Project Finance Agreement, I have no reason to believe that the LTA is being built in violation of any Applicable Laws or Authorizations pertaining to the LTA in effect at the time of performance of the relevant work.
- 22. Subject to Sections 9.5 and 9.14 of the Muskrat/LTA Project Finance Agreement, all Authorizations which, under Applicable Law, at such time are necessary to have been obtained in connection with the LTA and the work currently being performed on the LTA, have been obtained and are in full force and effect and do not contain any condition which could prevent or adversely affect the ability of the Credit Parties of attaining Commissioning by the Date Certain.
- 23. That, subject to Sections 9.5 and 9.14 of the Muskrat/LTA Project Finance Agreement, all Material Project Participants related to the LTA and other Persons participating or working toward the Commissioning of the LTA, to the best of our Knowledge, are not in



MF/LTA CONSTRUCTION REPORT PERIOD ENDING 30-NOVEMBER-2013

material default with respect to any of their respective obligations which would delay Commissioning beyond the Date Certain and Labrador Transco is not in material default in the payment of any sums due to such Persons in accordance with the terms agreed upon or in the fulfilment of any of its obligations with respect to such Persons, save and except with respect to such payments or obligations which Labrador Transco shall be contesting diligently and in good faith and in respect of which, in the event that such contestation should prove unsuccessful, no Lien shall be created or result upon or with respect to any of its Assets, except for Permitted Encumbrances.

24. Attached hereto as Part II of Schedule "G" is a true and complete copy of each of the Additional Material Project Documents entered into by Labrador Transco since the Closing Date.

Signed at St. John's, Newfoundland and Labrador, this 20<sup>th</sup> day of December, 2013.

Name: Gilbert Bennett, P. Eng

Title: Vice-President of Devco, Muskrat,

and Labrador Transco

# SCHEDULE "A"

# Part I - Hard Costs for the MF Plant

Schedule "A" - Summary of Project Budget - Hard Costs Lower Churchill Project-Phase 1 Muskrat Falls Generation

Period Ending 30-Nov-2013

		Planned Costs		Incurred Costs		
Description	Project Budget	Current Period	Project-to-Date	Current Period	Project-to-Date	
NE-LCP Owners Team, Admin and EPCM Services	\$378,969	\$5,217	\$170,489	\$7,630	\$183,179	
Feasibility Engineering	\$18,345	\$65	\$17,572	\$17	\$16,929	
Environmental & Regulatory Compliance	\$20,312	\$420	\$11,769	\$9	\$8,664	
Aboriginal Affairs	\$13,314	\$29	\$4,080	\$0	\$3,304	
Procurement & Construction	\$2,719,626	\$72,025	\$460,157	\$47,431	\$427,857	
Commercial & Legal	\$20,457	\$1,827	\$11,712	\$14	\$11,366	
Contingency	\$94,255	\$0	\$0	\$0	\$0	
Total	\$3,265,278	\$79,583	\$675,779	\$55,101	\$651,299	

Note: Costs in CAD (\$ Thousands)

Part II - Hard Costs for the LTA

Schedule "A" - Summary of Project Budget - Hard Costs Lower Churchill Project-Phase 1 Labrador Transmission Asset (LTA)

Period Ending 30-Nov-2013

		Planned Costs		Incurred Costs	
Description	Project Budget	<b>Current Period</b>	Project-to-Date	Current Period	Project-to-Date
NE-LCP Owners Team, Admin and EPCM Services	\$76,238	\$1,833	\$40,394	\$2,760	\$35,145
Feasibility Engineering	\$256	\$17	\$241	\$0	\$202
Environmental & Regulatory Compliance	\$710	\$97	\$692	\$1	\$587
Aboriginal Affairs	\$188	\$0	\$0	\$0	\$0
Procurement & Construction	\$626,869	\$24,595	\$65,494	\$16,070	\$63,460
Commercial & Legal	\$2,030	\$180	\$980	\$1	\$517
Contingency	\$14,030	\$0	\$0	\$0	\$0
Total	\$720,322	\$26,722	\$107,801	\$18,832	\$99,911

Note: Costs in CAD (\$ Thousands)



#### SCHEDULE "B"

# Part I - Muskrat Cost to Complete

## Schedule "B" - Summary of Cost to Complete Lower Churchill Project-Phase 1 Muskrat Falls Generation Period Ending 30-Nov-2013

Description	Project Budget	Incurred Costs Project-to-Date	Final Forecast Cost (FFC)	Cost to Complete
NE-LCP Owners Team, Admin and EPCM Services	\$378,969	\$183,179	\$378,969	\$195,790
Feasibility Engineering	\$18,345	\$16,929	\$18,345	\$1,416
Environmental & Regulatory Compliance	\$20,312	\$8,664	\$20,312	\$11,648
Aboriginal Affairs	\$13,314	\$3,304	\$13,314	\$10,010
Procurement & Construction	\$2,719,626	\$427,857	\$2,719,626	\$2,291,769
Commercial & Legal	\$20,457	\$11,366	\$20,457	\$9,091
Contingency	\$94,255	\$0	\$94,255	\$94,255
Total	\$3,265,278	\$651,299	\$3,265,278	\$2,613,979

Note: Costs in CAD (\$ Thousands)

### Analysis:

The largest component of the cost to complete relates to the construction of the powerhouse, intake, spillway and transition dams which was awarded under contract CH0007 on 29-November-2013. Major contracts will be awarded by years end for hydro-mechanical equipment for the intake and spillway.

Incurred cost to date represents work done in excavation and supply and installation of the temporary facilities at MF (camp, admin buildings, temporary services) access roads, reservoir clearing, bulk excavation, and fabrication of the turbine and generator equipment.

Approximately 75% of the overall MF contracts have been awarded and/or had bids received. Almost all procurement packages for construction services and permanent equipment have had bids received and should be awarded in early 2014.

Engineering for MF is scheduled to be complete by end of 2013 with limited exceptions.

### Part II - Labrador Transco Cost to Complete

# Schedule "B" - Summary of Cost to Complete Lower Churchill Project-Phase 1 Labrador Transmission Asset (LTA)

Period Ending 30-Nov-2013

Description	Project Budget	Incurred Costs Project-to-Date	Final Forecast Cost (FFC)	Cost to Complete
NE-LCP Owners Team, Admin and EPCM Services	\$76,238	\$35,145	\$76,238	\$41,093
Feasibility Engineering	\$256	\$202	\$256	\$54
Environmental & Regulatory Compliance	\$710	\$587	\$710	\$123
Aboriginal Affairs	\$188	\$0	\$188	\$188
Procurement & Construction	\$626,869	\$63,460	\$626,869	\$563,409
Commercial & Legal	\$2,030	\$517	\$2,030	\$1,513
Contingency	\$14,030	\$0	\$14,030	\$14,030
Total	\$720,322	\$99,911	\$720,322	\$620,410

Note: Costs in CAD (\$ Thousands)

#### Analysis:

Incurred cost to date represents work done in right of way clearing of the HVac line, and the fabrication of the HVac line materials. It also includes work executed in the supply and installation of the construction camp at Churchill Falls.

Almost all procurement contracts for permanent equipment of the HVac line have been awarded and deliveries have commenced (tower steel, foundations, guy wire, hardware and conductor). The main HVac transmission line construction contract has not been awarded as at the end of the reporting period.

Civil works have commenced for the new Churchill Falls switchyard and site grading for the Muskrat Falls switchyard is near complete. The construction contract of the switchyards at Muskrat Falls and Churchill Falls is yet to be awarded but the bids have been received.

All indirect costs are incurred as work progresses with design engineering at LTA scheduled to be complete in early 2014.



#### SCHEDULE "C"

#### Part I - Muskrat Cost Variances

Schedule "C" - Summary of Cost Variances
Lower Churchill Project-Phase 1
Muskrat Falls Generation
Period Ending 30-Nov-2013

Description	Project Budget	Final Forecast Cost (FFC)	Variance
NE-LCP Owners Team, Admin and EPCM Services	\$378,969	\$378,969	\$0
Feasibility Engineering	\$18,345	\$18,345	\$0
Environmental & Regulatory Compliance	\$20,312	\$20,312	\$0
Aboriginal Affairs	\$13,314	\$13,314	\$0
Procurement & Construction	\$2,719,626	\$2,719,626	\$0
Commercial & Legal	\$20,457	\$20,457	\$0
Contingency	\$94,255	\$94,255	\$0
Total	\$3,265,278	\$3,265,278	\$0

Note: Costs in CAD (\$ Thousands)

There are no variances between the final forecast cost and the Project Budget.

Part II - Labrador Transco Cost Variances

Schedule "C" - Summary of Cost Variances Lower Churchill Project-Phase 1 Labrador Transmission Asset (LTA)

Period Ending 30-Nov-2013

**Final Forecast Cost** Variance Description **Project Budget** (FFC) **NE-LCP Owners Team, Admin and EPCM Services** \$0 \$76,238 \$76,238 \$0 **Feasibility Engineering** \$256 \$256 **Environmental & Regulatory Compliance** \$710 \$710 \$0 \$0 **Aboriginal Affairs** \$188 \$188 \$0 **Procurement & Construction** \$626,869 \$626,869 \$0 **Commercial & Legal** \$2,030 \$2,030 Contingency \$14,030 \$14,030 \$0

\$720,322

\$720,322

Note: Costs in CAD (\$ Thousands)

Total

There are no variances between the final forecast cost and the Project Budget.



#### SCHEDULE "D"

# Part I - Muskrat Estimated Commissioning Date

There is currently no variance from the planned Commissioning Date of 01-June-2018 set forth in the MF Project Schedule which would delay the Commissioning Date beyond the Date Certain.

# Part II - Labrador Transco Estimated Commissioning Date

There is currently no variance from the planned Commissioning Date of 01-June-2018 set forth in the LTA Project Schedule which would delay the Commissioning Date beyond the Date Certain.



#### SCHEDULE "E"

# Part I - Muskrat Material Disputes

Material disputes with any Material Project Participant or related claims against Muskrat are listed below:

• CH0006 – Construction of Bulk Excavation Works and Associated Works:

The Contractor, IKC-ONE, submitted a Request for Equitable Adjustment dated 27-August-2013 in the approximate amount of \$31,000,000. The Contractor has stated that there were delays outside of its control and they were required to accelerate their work to meet their contract schedule. This claim has not been validated and an analysis is currently underway. The Request for Equitable Adjustment will not impact the MF Project Schedule as the work has been completed, on schedule.

# Part II - Labrador Transco Material Disputes

There are currently no material disputes with any Material Project Participant, or related claims against the Partnership.



# SCHEDULE "F"

**Part I - MF Plant Construction Progress** 

Muskrat Falls Generation - Milestone Schedule				
Milestone Description	Planned	Actual/Forecast	Status	
Project Sanction	17-Dec-2012	17-Dec-2012	Actual	
North Spur Works Ready for Diversion	30-Nov-2015	30-Nov-2015		
River Diversion Complete	09-Nov-2016	09-Nov-2016		
Reservoir Impoundment Complete	19-Nov-2017	19-Nov-2017		
Powerhouse Unit 1 Commissioned - Ready for Operation	30-Dec-2017	30-Dec-2017		
First Power from Muskrat Falls	30-Dec-2017	30-Dec-2017		
Powerhouse Unit 2 Commissioned - Ready for Operation	18-Feb-2018	18-Feb-2018		
Powerhouse Unit 3 Commissioned - Ready for Operation	12-April-2018	12-April-2018		
Powerhouse Unit 4 Commissioned - Ready for Operation	22-May-2018	22-May-2018		
Full Power from Muskrat Falls	22-May-2018	22-May-2018		



Commissioning Complete - Commissioning Certificate Issued	01-Jun-2018	01-Jun-2018	
Date Certain	28-Feb-2019	28-Feb-2019	

#### Construction Narrative:

Construction of the new 1500 person construction camp at Muskrat Falls continued throughout the reporting period under contract CH0002. Work is proceeding slower than planned however it will not have an impact on the mobilization of CH0007 due to the availability of the existing 300 person construction camp currently in operation.

Construction of the new materials testing laboratory and the fire and ambulance shelter under contract CH0003 is progressing as planned with foundations and steel structure underway. The permanent modular office complex is being manufactured off site with delivery expected in January 2014. Personnel are currently operating out of existing buildings in the Owner's laydown area.

Construction of the Caroline Brook resource road upgrade being undertaken under contract CH0004-1 is proceeding slightly slower than planned however the initial first phase has been opened in time to meet project requirements.

Bulk excavation works for the powerhouse and spillway structures was completed on schedule during the reporting period under contract CH0006. The contractor is continuing to complete minor deficiencies and has commenced demobilization.

Contract CH0007 for the construction of the intakes, powerhouse, spillway and transition dams was formally executed on 29-November-2013. The Contractor has been working on front end planning, procurement and other work preparations under a Limited Notice to Proceed since 24-September-2013.

Reservoir clearing being performed under contract CH0024 is proceeding on schedule.

Design and manufacturing of the turbines and generators under CH0030 is proceeding on schedule.



**Part II - LTA Construction Progress** 

Labrador Transmission Asset - Milestone Schedule			
<b>Milestone Description</b>	Planned	Actual/Forecast	Status
Project Sanction	17-Dec-2012	17-Dec-2012	Actual
Hvac Transmission Line Construction Complete	08-Jun-2016	08-Jun-2016	
Churchill Falls Switchyard Ready to Energize	31-May-2017	31-May-2017	
Muskrat Falls Switchyard Ready to Energize	31-May-2017	31-May-2017	
Ready for Power Transmission	31-May-2017	31-May-2017	
Commissioning Complete- Commissioning Certificate Issued	01-Jun-2018	01-Jun-2018	
Date Certain	28-Feb-2019	28-Feb-2019	

# Construction Narrative:

Construction of a 150 person temporary camp is nearing completion at the Churchill Falls switchyard site.



Clearing at the new Churchill Falls switchyard has been completed and excavation and backfill works has commenced under contract CD0503.

Site preparation, to subgrade level, is nearing completion at the Muskrat Falls switchyard site under contract CH0006.

The Labrador marshalling yard is nearing completion near the Muskrat Falls site under CT0354. Materials are being received for the HVac transmission line including steel towers, foundations, hardware, guy wire and conductor.

Clearing for the HVac right of way continued throughout the month of November 2013 under contract CT0341.

During the month of November 2013, the original contractor was terminated for unsatisfactory performance. A replacement contractor was mobilized immediately. There will be no impact on the project schedule for transmission line erection.

# SCHEDULE "G"

# Part I - Muskrat Additional Material Project Documents

The following Additional Material Project Document was entered into since the Closing Date:

• CH0007 – Construction of Intakes & Powerhouse, Spillway and Transition Dams

Awarded to - Astaldi Canada Inc., Executed 29-November-2013

(Transmitted electronically via Aconex on 18-December-2013 - Transmittal No. LCP-CM-TRANSMIT-002247)

# Part II - Labrador Transco Additional Material Project Documents

There were no Additional Material Project Documents entered into since the Closing Date.

