



Lower Churchill Management Corporation
Lower Churchill Project Operations Office
350 Torbay Road, Suite 2
St. John's, NL Canada A1A 4E1

LTR-CD0502-LTCLILLP-AG-0068

11-Aug-2015

Mr. Thierry Martin
Project Director
ALSTOM GRID CANADA, INC.
1400 Industrielle, Suite 100
La Prairie, Quebec
J5R 2E5

Subject: Monthly Progress Reports
Ref: N/A

Dear Mr. Martin,

Company is in receipt of Contractor's draft monthly progress report for June 2015. Company notes that the report was submitted almost a month late (submitted on 31-Jul-2015, report was due on 5-Jul-2015), and the May monthly progress report has not yet been officially received by Company even though Company provided its comments to Contractor almost two months ago (ref. LCP-CM-EMAIL-047061 dated 22-Jun-2015). Further, Contractor's monthly progress report for July is overdue (expected 5-Aug-2015).

Although the June progress report is in draft format, Company is especially troubled with the quality and content of the report (see attached). Company has spent a considerable amount of time and effort working with Contractor to get the reports to an acceptable standard; however it is obvious to Company that report quality has regressed with this submission.

It is evident that this report has not undergone a suitable quality check by Contractor (one example of this is the numerous references to "May" in the June report). Regardless of the revisions status, Company expects Contractor to perform a proper quality check before sending any document to Company for review. This has been communicated to Contractor in previous letters.

Lastly, reporting was a major issue/concern raised by Company at the last steering committee meeting held on 21-Jul-2015; however, it appears Contractor has taken no action to improve reporting commitments.

It is Company's opinion that Contractor has not allocated sufficient resources to meet contractual reporting requirements. Company requests Contractor to submit a plan by 14-Aug-2015 to address this issue going forward.

Please feel free to contact the undersigned if you wish to discuss this matter further.

a Nalcor Energy company

Regards



Darren DeBourke
Project Manager, HVdc Specialties

c.c.  Trina Troke (LCMC)
 Anthony Jackman (LCMC)
Mark Ellis (LCMC)
 Pierre Sasseville (LCMC)
Steven Crane (LCMC)

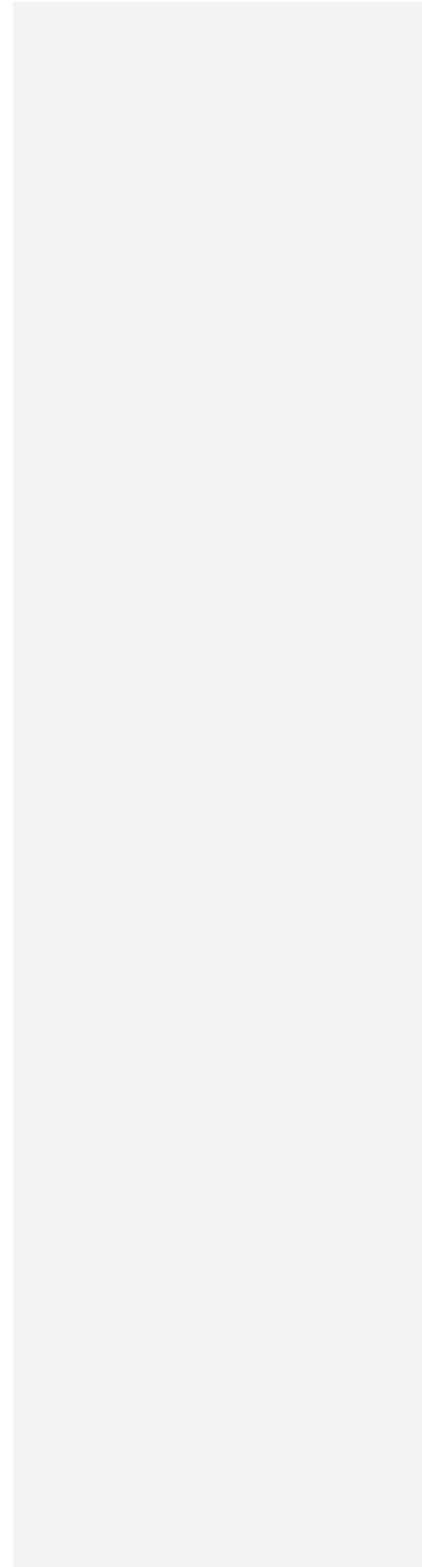
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Myriam Margogne (AG)
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Jean-Philippe Rioux (AG)
Claude Mandeville (AG)
Sarah Norris (AG)
Emmanuel Aumente (AG)

Company Front Page- Blank page to be replaced with B1 PDF signed version prior to submission.

Company also requires Contractor to fix the following attachments:

- Appendix 1 – Correct printing format and layout.
- Appendix 5 – Show correspondence register of letters received from Company.
Fix print area to not show blank rows.





Labrador Transmission Corporation and Labrador-Island Link Limited Partnership

Contract CD0502-001

Lower Churchill AC Substations Project

Monthly Progress Report #8 June 2015

01	30-Jul-2015	AG Team	D. De Blois	D. De Blois	Original Issue
Rev	Date	Prepared	Verified	Approved	Subject of revision
					
PPREPARED	30-Jul-2015	A.G. Team		PROJECT Lower Churchill AC Substation Project	
VERIFIED	30-Jul-2015	D. De Blois		TITLE Monthly Progress Report #8 June 2015	
APPROVED	30-Jul-2015	D. De Blois			
	DATE	NAME	SIGNATURE		
Supplier document number LCA-COM-000-ALS-000-046-RP			REVISION 01	NE Doc No LCP-AS-SD- 4000-PM-A06-0008-01	REVISION/Status A1
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Comment [ME1]: Should be the responsible person who prepared or compiled the report.

Comment [ME2]: Should be approved by the person accountable for the report, not the verifier. If the person accountable is Mr De Blois then the verifier should be someone else.



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SCHEDULE OF MODIFICATIONS

REV	DATE	MODIFICATION CONTENTS	PAGE / SECTION	AMENDED BY
01	30-Jul-2015	Original Issue		

Table of Reference Documents

#	Reference	Document name
1	Exhibit 3	CD0502-001 Contract Coordination Procedure



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1. EXECUTIVE SUMMARY

1.1 OVERVIEW

Health, Safety and Environment

0 (zero) person-hours were spent on the sites this month for a total to date of 1786 person-hours on the Construction Sites. There were no first aids, medical aid injuries or LTIs to report this month from any of Contractor’s employees or Subcontractors. Cumulative LTI frequency is 0.

There was no environmental event to report this month.

Overall Project

The actual overall cumulative progress is **13.0%** against a baseline planned progress of 19.3 %. The overall progress is currently **6.3%** behind of the planned progress, **a decrease from 0.3% ahead of the plan reported in May**. The engineering and construction progress are lagging behind the planned progress while progress made by procurement is still ahead.

Engineering

Overall cumulative engineering progress based upon Primavera (P6) data is **27.5%** against a baseline of **59.2%**, currently **31.7%** behind the baseline plan, **a decrease from 27.6% behind the plan reported in May**. Although the engineering is currently 31.7% behind the baseline plan, this will not have any adverse effect on meeting the overall project schedule. Currently the Contractor has a recovery plan in progress which can be found in the Engineering, Section 7.

Procurement

Overall cumulative procurement progress is 25.6% against a baseline of 22.7%, currently 2.9% ahead of the plan, **a decrease from 7.8% ahead of the plan reported in May**.

~~Award recommendations for the Civil Works RFP were submitted to the Company for approval on 28 May 2015. The LNTF draft was issued to H.J. O’Connell Construction Ltd. (HJOC) for Soldiers Pond and Pomerleau Inc. for Muskrat Falls and Churchill Falls 28 May 2015. Comments from both HJOC and Pomerleau were submitted to the Company for review 29 May 2015.~~

LNTF signed by HJOC 3-Jun-2015 until 16-Jun-2015 extended to 3-Jul-2015. For Pomerleau, LNTF signed 3-Jun-2015 until 19-Jun-2015 and extended to 3-Jul-2015. HJOC and Pomerleau have provided their documentation required in the LNTF and are under review by the Contractor.

Comment [ME3]: Overall progress (noting that actual progress has been inflated by advancing procurement activities) has been consistently slipping over the past months (+2.2% March, +1.7% April, +0.3% May and -6.3% June) giving a clear indication that whatever plan is being followed is not working. As such Company strongly urges Contractor to develop and communicate a formal recovery plan to Company as a matter of critical importance.

Comment [ME4]: This statement needs to be quantified, as month on month the engineering progress is slipping further. The engineering recovery plan is not working and urgent action is required by Contractor.

Comment [AJ5]: Recorded in May report



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Construction

Construction ~~baseline schedule~~ progress is at 0% actual against a baseline of planned 9.4%. The award of the Civil Works LNTP for the AC Substations sites is planned for the first week of June 2015 and will be followed by the mobilization for the start of construction as Company approval of the Site(s) Mobilization Plans and the Newfoundland and Labrador government permitting is granted (see Appendix 8 for Permit Register details)

The Civil Work Contractors submitted the documentation for the start of construction including: the Mobilization Plan(s) approved as B1 on:

Soldiers Pond- ~~XX~~ Jul-2015

Muskrat Falls-22-Jun-2015

Churchill Falls on ~~XX~~ Jul-2015

~~And the~~ CD0502-Contractor's Construction Management Plan was submitted and returned with comments on 05-Jun-2015

The Civil Works Construction Kick-off meeting(s) were held in St. John's on Pomerleau Inc. for Muskrat Falls and Churchill Falls on 18-Jun-2015 and H.J. O'Connell Construction Ltd. (HJOC) for Soldiers Pond on 16-Jun-2015.

Comment [TP6]: This is the same comment provided in the May report. As noted above, LNTP was awarded so this statement is no longer accurate.

Comment [AJ7]: Please clarify if discussing CWC documentation or Alstom documentation.

Comment [AJ8]: Provide date. If in July then not relevant to June report.

Comment [AJ9]: Provide date. If in July then not relevant to June report.

Comment [ME10]: Note that this was the draft version, and the updated CMP is still outstanding.

Comment [AJ11]: Correct sentence wording.

Project Progress Status Summary Table

Phase	Planned This Period	Actual This Period	Planned To Date	Actual To Date
Overall	7.6%	<u>0.9%</u>	19.3%	13.0%
Overall SPI (Actual/Plan)		<u>0.1</u>		<u>0.7</u>
Engineering	12.7%	8.6%	59.2%	27.5%
Engineering SPI (Actual/Plan)		<u>0.7</u>		<u>0.5</u>
Procurement	4.9%	0.0%	22.7%	25.6%
Procurement SPI (Actual/Plan)		0.0		1.1
Construction	9.4%	0.0%	9.4%	0.0%
Construction SPI (Actual/Plan)		0.0		0.0
Commissioning	N/A	N/A	N/A	N/A

1.2 KPI TABLE



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Key Performance Indicator (KPI)	Target	Cumulative Last Period (May)	Cumulative This Period (June)	Comment
Safety				
LTIFR (Lost Time Injury Frequency Rate)	0.0	0.0	0.0	
Overall				
SPI (Actual Progress/Planned Progress)	1.0	1	0.7	
% Risk Mitigation Actions Completed on Time	100%	100%	100%	Risk Mitigation Actions are ongoing
Quality				
% Internal Audits Completed on Schedule	100%	80%	70%	No Audit performed on Jun 2015
% External Audits Completed on Schedule	100%	100%	100%	No Audit planned on Jun 2015 .
% of NCRs Closed Within 30 Days	100	N/A	N/A	
Avg. # of Days for Corrective Action Completion	< 2 months	21	40	2 Corrective Actions Open - still on time
Engineering				
SPI (Actual Progress/Planned Progress)	1.0	0.4	0.5	Engineering behind Schedule
Avg. # of Days from 1st Submission to Acceptance	45	25	26	Business Days
Avg. # of Days for LCP Review	15	11	11	Business Days
Avg. # of Submissions Prior to Acceptance	1.0	1.8	1.7	
Avg. # of Days Variance from Planned SDR Date (Only for 30 Days Look ahead)	1.0			
Procurement				
SPI (Actual Progress/Planned Progress)	1.0	1.4	1.1	
Civil Construction				
SPI (Actual Progress/Planned Progress)	1.0	N/A	N/A	Site Construction not started
Forecast Cost for Civil Construction/Target (%)	100	N/A		Site Construction not started
Electromechanical Installation				
SPI (Actual Progress/Planned Progress)	1.0	N/A	N/A	Installation/Erection not started
Commissioning				
SPI (Actual Progress/Planned Progress)	1.0	N/A	N/A	

SPI = Schedule Performance Index

Comment [KM12]: There are NCRs. N/A is not correct. Provide correct percentage in table.

Comment [TP13]: SPI Overall was green last period (1.0).

Avg # of days variance from planned SDR dates was 13 last month – what about this month?.

Comment [AJ14]: Please complete table for NCRs.

Comment [AJ15]: SPI for Construction should be 0 not "N/A".

KPI Rating Criteria	Acceptable	Concern	Risk
LTIFR	0	N/A	>0
SPI (actual/planned progress)	>= 1.0	0.9 - 0.99	<0.9
% Risk Assessment Actions Completed	80 - 100%	50 - 79%	<50%
% Internal Audits Completed on Schedule	95 - 100%	85 - 94%	<85%
% External Audits Completed on Schedule	90 - 100%	80 - 89%	<80%
% NCRs Closed Within 30 Days	100%	75 - 99%	<75%
Avg. # of Days for Corrective Action Completion	< 2 mo.	2 mo. - 3 mo.	> 3 mo.
Avg. # of Days from 1st Submission to Approval	<= 45	46 - 55	>55
Avg. # of Days for LCP Review	<= 15	16 - 20	>20
Avg. # of Submissions Prior to Approval	1.0 - 1.5	1.5 - 2.0	>2.0
Avg. # of Days Variance from Planned SDR Date	0 - 2	2 - 10	>10
Forecast Cost for Civil Construction / Target Cost	<= 100%	N/A	>100%

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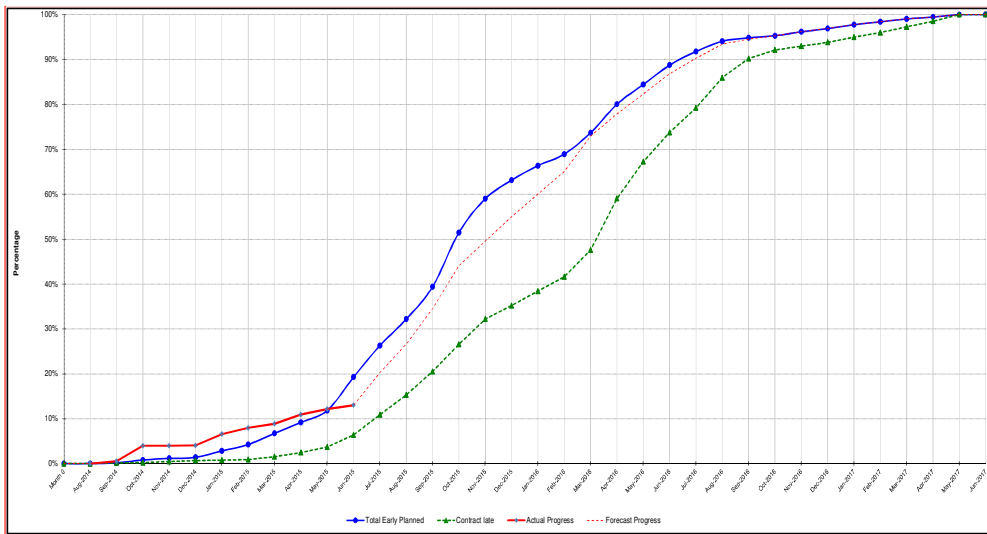
2. PROJECT STATUS

2.1 PROJECT PROGRESS

For this period, the overall cumulative progress is 13.0% against a baseline of 19.3%. The overall progress is currently 6.3% behind of the planned progress. The engineering and construction progress are lagging behind the planned progress while progress made by procurement is still ahead of the plan.

Comment [ME16]: Make reference to how Contractor is planning to recover, or if the plan is to just accept the delays.

Project Progress Curve



Comment [AJ17]: Please correct line weighting of graph – cannot see actual vs forecast lines.

2.2 PROJECT MILESTONES

The Project Key Milestone Table was developed focusing on critical activities both contractual as well as the Contractor’s own key milestone scheduled dates.

This dynamically evolving Table will change as the project progresses to add such items as Contract Award, Transformers & GIS Equipment received at site, major construction milestones such as Commencement of Mobilization for the Contractor, building enclosed (by site), and Transformer Foundations Complete, Static Checks Complete (by site). As items are added to the table, other items such as past milestones will be removed from the table. The commissioning details will be added as the project progresses.



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CD502-Churchill AC Substations Project - Project Key Milestones							
Data date: 19-Jun-2015							
	Activity Name	Start	Finish	BL Project Start	BL Project Finish	Variance	Comments
Common to All Sites							
1	Mis tn 01 - Limited Notice to Proceed (LNTp)	15-Aug-2014 A		15-Aug-2014		0	Exhibit 9, Item 01 15-Aug-2014, Start of schedule
2	Contract Signature		07-Nov-2014 A				For reference
Soldiers Pond Terminal Station (SOPTS)							
3	SP Site Management - Contractor Mobilization (Start)	05-May-2015 A	15-jul-2015	28-Apr-2015	07-May-2015	-5	MPRO7, Delay due to delay of LNTp issue.
4	SP Civil Works - Subcontractor Mobilization (breaking ground June 1st) (Start)	06-Jul-2015*	10-jul-2015	15-May-2015	05-jun-2015	-15	MPRO7, Delay due to delay of LNTp issue. Planned date 08-Jun-2015 impact on downstream construction activities has been absorbed
5	SP Pre-engineered Control Building - Shell Installation (Finish)	30-oct-2015	27-nov-2015	20-Aug-2015	17-sept-2015	-55	MPRO7, Delay due to late building layout approval and not confirmed procurement process.
6	SP Building Service Works - Subcontractor Mobilization (Start)	16-déc-2015	12-janv-2016	29-sept-2015	13-oct-2015	-48	MPRO7, Delay due to late building layout approval.
7	SP Erection Works - Subcontractor Mobilization (Start)	29-Feb-2016*	11-mars-2016	29-Feb-2016	11-mars-2016	-2	Start on or after 29-Feb-2016
8	SP Control Building - Service Commissioning - Partial (Finish)	09-mars-2016	22-mars-2016	27-janv-2016	09-féab-2016	-24	MPRO7, Delay due to late building layout approval.
9	Mis tn 10 - Soldiers Pond Commissioning Static Checks Complete (Finish)		01-Dec-2016		29-nov-2016	-2	Exhibit 9, Item 10 01-Dec-2016
10	Mis tn 14 - Soldiers Pond Dynamic Commissioning Complete (Finish)		19-janv-2017		19-janv-2017	0	Exhibit 9, Item 14 19-Jan-2017 (Sunday)
Muskrat Falls Terminal Station 2 (MFATS2)							
11	MF Site Management - Contractor Mobilization (Start)	15-May-2015*	31-jul-2015	24-Apr-2015	07-May-2015	-18	MPRO7, Delay due to delay of LNTp issue.
12	MF Civil Works - Subcontractor Mobilization (breaking ground 01-Jun-2015) (Start)	03-Jul-2015*	16-jul-2015	08-May-2015	29-May-2015	-25	MPRO7, Delay due to delay of LNTp issue. Planned date 15-Jun-2015. Site available 08-May-2015, breaking ground 01-Jun-2015.
13	MF Building Service Works - Subcontractor Mobilization (Start)	16-déc-2015	12-janv-2016	29-sept-2015	13-oct-2015	-48	MPRO7, Delay due to late building layout approval.
14	Mis tn 08d - Power Transformer Fdns Ready to Accept Del'y by Company (Units #1&2) - Muskrat Falls (Finish)		30-Sep-2015*		30-sept-2015	0	Exhibit 9, Item 08 30-Sep-2015
15	MF Pre-engineered Control Building - Shell Installation (Finish)	06-nov-2015	04-déc-2015	19-oct-2015	16-nov-2015	-19	MPRO7, Delay due to late building layout approval and not confirmed procurement process. Canam Inst. lead time 11d at 6 men

Comment [TP18]: Table difficult to read – please ensure this is properly copied from excel to the report so that it is legible.

Comment [AJ19]: Company's comments from May's report have not been addressed. Variance values have not changed since May report. Why have headings changed since May report? Table format has been previously agreed. Explain if "Start" and "Finish" dates are actual or forecast. Explain why there are asterisks (*) next to some dates.

Comment [AJ20]: Comment on a number of items is delay due to late bldg. layout approval – needs to be clarified as the interpretation is that Company delayed response.

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CD502-Churchill AC Substations Project - Project Key Milestones							
Data date: 19-Jun-2015							
16	MF GIS Building - Structural Steel, Roofing & Cladding (Finish)	07-déc-2015	15-janv-2016	17-nov-2015	14-Dec-2015	-19	MPRO7, Delay due to late building layout approval and not confirmed procurement process. Exp'd Compl 15-Dec-2015 Canam inst. lead time n/d
17	MF Control Building - Service Commissioning - Partial (Finish)	16-mars-2016	22-mars-2016	26-janv-2016	01-Feb-2016	-32	MPRO7, Delay due to late building layout approval and not confirmed procurement process.
18	MF Erection Works - Subcontractor Mobilization	07-Mar-2016*	18-mars-2016	07-mars-2016	18-mars-2016	0	Start on or after 29-Feb-2016
19	MF GIS - GIS Installation (incl. breakers, CTs, VTs, disconnects, ground switches, bus ducts etc.) (Finish)	14-Apr-2016	25-oct-2016	14-Apr-2016	25-oct-2016	0	Planned start Date 15-Apr-2016, Dur. 128d from BHT's schedule
20	Mistn 09a - Muskrat Falls Commissioning Static Checks Complete (Finish)		01-mars-2017		01-mars-2017	0	Exhibit 9, Item 09 01-Mar-2017
21	Mistn 13a - Muskrat Falls Dynamic Commissioning Complete		01-May-2017		01-May-2017	0	Exhibit 9, Item 13, 01-May-2017
Churchill Falls Terminal Stations							
22	CF Site Management - Contractor Mobilization (Start)	15-May-2015*	31-jul-2015	24-Apr-2015	07-May-2015	-18	MPRO7, Delay due to delay of CW LNTF issue.
23	CF Civil Works - Subcontractor Mobilization (breaking ground 01-Jun-2015) (Start)	03-Jul-2015*	16-jul-2015	08-May-2015	29-May-2015	-25	MPRO7, Delay due to delay of LNTF issue. Planned date 15-Jun-2015. Site available 08-May-2015, breaking ground 01-Jun-2015
24	CF Building Service Works - Subcontractor Mobilization (Start)	16-déc-2015	12-janv-2016	29-sept-2015	13-oct-2015	-48	MPRO7, Delay due to late building layout approval.
25	CF Pre-engineered Control Building - Shell Installation (Finish)	10-nov-2015	04-févr-2016	30-sept-2015	15-Dec-2015	-27	MPRO7, Delay due to late building layout approval and not confirmed procurement process. Canam inst. lead time 11d at 6 men
26	CF GIS Building - Structural Steel, Roofing & Cladding (Finish)	13-nov-2015	08-févr-2016	30-sept-2015	15-Dec-2015	-24	MPRO7, Delay due to delay of LNTF issue. Canam inst. lead time n/d
27	Mistn 08a - Power Transformer Fdns Ready to Accept Del'y by Company (Units #1,2,3) - Churchill Falls (Finish)		01-Oct-2015*		30-sept-2015	0	Exhibit 9, Item 08, 30-Sep-2015
28	Mistn 08b - Power Transformer Fdns Ready to Accept Del'y by Company (Units #4,5,6) - Churchill Falls (Finish)		21-Oct-2015*		21-oct-2015	0	Exhibit 9, Item 08, 21-Oct-2015
29	Mistn 08c - Power Transformer Fdns Ready to Accept Del'y by Company (Unit #7, spare) - Churchill Falls (Finish)		13-Nov-2015*		13-nov-2015	0	Exhibit 9, Item 08 15-Nov-15 (13-Nov-15)
30	CF GIS Bldg - Service Commissioning - Partial (Finish)	06-avr-2016	12-avr-2016	11-mars-2016	17-mars-2016	-11	MPRO7, Delay due to late building layout approval.
31	CF Ctrf Bldg - Service Commissioning - Partial (Finish)	04-avr-2016	15-avr-2016	14-mars-2016	28-mars-2016	-13	MPRO7, Delay due to late building layout approval.
32	CF Erection Works - Subcontractor Mobilization (Start)	28-Mar-2016*	08-Apr-2016	28-mars-2016	08-Apr-2016	0	Earliest erection Start date 11-Apr-2016
33	CF GIS Bldg - GIS Installation (incl. breakers, CTs, VTs, disconnects, ground switches, bus ducts etc.)	19-avr-2016	11-août-2016	12-Apr-2016	04-Aug-2016	0	MPRO7, Not critical. Planned Start Date 16-Mar-2016, Dur. 81d from BHT schedule
34	CT Ctrf Interface Bldg - Service Commissioning (Finish)	15-jul-2016	21-jul-2016	15-jul-2016	21-jul-2016	0	
35	Mistn 09b - Churchill Falls Commissioning Static Checks Complete		27-févr-2017		01-mars-2017	8	Exhibit 9, Item 09, 01-Mar-2017
36	Mistn 13b - Churchill Falls Dynamic Commissioning Complete		01-May-2017		01-May-2017	0	Exhibit 9, Item 13, 01-May-2017
CHURCHILL FALLS Terminal Station 2 (CFATS2)							
37	CT Pre-engineered IC Building - Shell Installation (Finish)	24-May-2016*	14-jun-2016	24-May-2016	14-jun-2016	0	CF EXT Canam inst. lead time n/d

2.3 OPPORTUNITIES AND CHALLENGES

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There are presently no major areas of concern or opportunities related to Project Management.

Comment [ME21]: Based on the significant delays to engineering and construction, this would suggest that there are major areas of concern that should be addressed here.

2.4 PROJECT ORGANIZATION AND STAFFING

The following Contractor’s mobilizations/demobilizations took place during the month of June 2015:

Name	Function	Start Date
Marc Mariage	LCP Project Engineering Director	15-Jun-2015
Sudhakar Rampurkar	Control Technical Director	15-Jun-2015

2.5 PROJECT MANAGEMENT ACTIVITIES

- See Appendix 3 for the List of Deliverables including the Project Management Deliverables
- The following Project Plans were submitted in June 2015
 - Construction Management Plan [A1 version](#)
 - Mobilization Plan for the Muskrat Falls Terminal Station.B1 version
 - Mobilization Plan for the Soldiers Pond Terminal Station.B1 version
 - Mobilization Plan for Churchill Falls Terminal Station and Churchill Falls Terminal Station 2 B1 Version.
 - Engineering Management Plan - A2 version
 - Project Procurement Management Plan - A2 version
 - Organizational Charts - A1 version
 - Comments for the A1 version of the Project Execution Plan were received from the Company.



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3. HEALTH, SAFETY AND ENVIRONMENT

3.1 HEALTH AND SAFETY STATISTICS

Health and Safety Statistics	2014 Total	Q1-2015	Apr-2015	May-2015	Jun-2015	Cumulative Total
Contractor	1	0	0	0	0	1
# Subcontractors	1	0	0	0	0	1
Hours Worked	1768	0	0	0	0	1768
Lost Time Incidents	0	0	0	0	0	0
Lost Time Frequency	0	0	0	0	0	0
#Lost Days	0	0	0	0	0	0
Severity	0	0	0	0	0	0
# Recordable	0	0	0	0	0	0
# Recordable Frequency	0	0	0	0	0	0
#First Aids	0	0	0	0	0	0
First Aids Frequency	0	0	0	0	0	0
# Property Damage	0	0	0	0	0	0
# Near Misses	0	0	0	0	0	0
Potentially Severe Event (PSE)	0	0	0	0	0	0

Terms

Definition

# Subcontractors	Number of different Subcontractors on site for overall project.
Hours Worked	Total number of hours worked by subcontractors and Contractor’s Employees on site
Lost Time Incident	Work related injury for which an employee requires medical attention and is unable to return to work for his/her next schedule shift
Lost Time Frequency	Frequency of lost time injury. To calculate the frequency: number of lost time injury X 200 000 / number of worked hours
Lost days	Number of lost days that were generated by all lost time injuries occurring that month. If a lost time injury generate more than 1 month of lost days, the number of lost days will be calculated from the date the accident occurs.
Severity	Frequency of lost day injury. The more days were lost, the more severe is the injury. To calculate the frequency: number of lost days X 200 000 / number of worked hours

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Recordable	All incidents that falls in one of these categories: Fatality, lost time injury, medical treatment, restricted work under doctor prescription, occupational illness or loss of consciousness related to work activity.
Recordable Frequency	Frequency of recordable injuries. . To calculate the frequency: number of recordable injury X 200 000 / number of worked hours
First Aids	Work related injury, which is minor in nature and can be treated at the worksite
First Aids Frequency	Frequency of first aids: To calculate the frequency: number of first aid injuries X 200 000 / number of worked hours
Property Damage	Event that occurs on work site, creating property damage but no injuries
Near misses	Event that occurs on work site, that did not create any property damage nor incident or accident
Potentially Severe Event (PSE)	Event that occurs that had a minor consequence or no consequence (near misses) but could have been potentially severe.

3.2 ENVIRONMENTAL STATISTICS

Environmental Statistics	2014 Total	Q1-2015	Apr-2015	May-2015	Jun-2015	Total
# Sub-Contractors	1	0	0	0	0	1
# Reportable	0	0	0	0	0	0
# Recordable	0	0	0	0	0	0
Solid Waste (kg)	0	0	0	0	0	0
Liquid Waste (liter)	0	0	0	0	0	0
Diesel Consumption	0	0	0	0	0	0
Gasoline Consumption	0	0	0	0	0	0
Heating Oil Consumption	0	0	0	0	0	0
Propane Consumption	0	0	0	0	0	0
Other Fuel Consumption	0	0	0	0	0	0
Diesel Estimation	0	0	0	0	0	0
Gasoline Estimation	0	0	0	0	0	0
Heating Oil Estimation	0	0	0	0	0	0
Propane Estimation	0	0	0	0	0	0
Other Fuel Estimation	0	0	0	0	0	0
# of Non Compliance	0	0	0	0	0	0

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Terms	Definition
# Subcontractors	Number of different subcontractors on site for overall project
Reportable	Any spill on a natural water body (marine or freshwater) or any spill that is over 70 liters or of any quantity that has the potential to enter a natural body or any quantity that has the potential to impact a privately owned property.
Recordable	All environmental incidents including the loss of hazardous or controlled products
Solid Waste	Solid hazardous and other waste generated during the period
Liquid Waste	Liquid hazardous and other waste generated during the period
Diesel Consumption	Number of liters of diesel consumed during the period
Gasoline Consumption	Number of liters of gasoline consumed during the period
Heating Oil Consumption	Number of liters of heating oil consumed during the period
Propane Consumption	Number of liters of propane consumed during the period
Other Fuel Consumption	Number of liters of other fuel consumed during the period
Diesel Estimation	Estimation of number of liters of diesel to be consume during the period
Gasoline Estimation	Estimation of number of liters of gasoline to be consume during the period
Heating Oil Estimation	Estimation of number of liters of heating oil to be consume during the period
Propane Estimation	Estimation of number of liters of propane to be consume during the period
Other Fuel Estimation	Estimation of number of liters of other fuel to be consume during the period
# of Non-Compliance	Number of problems that have occurred and are not compliant with the in forced requirements. Non-conformances are addressed with corrective actions.

3.3 REGULATORY COMPLIANCE

See Appendix 8 for the Permit Register.

3.4 OPPORTUNITIES AND CHALLENGES

There are no Environmental Opportunities and Challenges to report for June 2015.

There are no Health and Safety Challenges to report for June 2015

3.5 ACCOMPLISHMENTS

Contractor has submitted all Site Specific Health and Safety Plans, Site Specific Environmental Plans and Site Specific Emergency Response Plans to the Company.

The present document status is:

- Soldiers Pond Site Specific Health and Safety Plan - approved
- Muskrat Falls Site Specific Health and Safety Plan - approved

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- Churchill Falls Site Specific Health and Safety Plan - approved
- Soldiers Pond Site Specific Environmental Plan - not approved with comments
- Muskrat Falls Site Specific Environmental Plan - Not approved with comments
- Churchill Falls Site Specific Environmental Plan - not approved with comments
- Soldiers Pond Site Specific Emergency Response Plan - approved
- Muskrat Falls Site Specific Emergency Response Plan - approved
- Churchill Falls Site Specific Emergency Response Plan - approved

Comment [ME22]: Reference when C-SSEP's will be re-submitted as they are still outstanding.

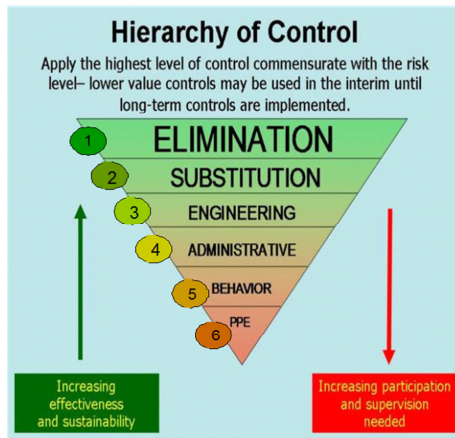
As these latest documents are not contractual documents, review of not approved documents will be done as time schedule will allow.

Comment [AJ23]: Company disagrees with this statement. Remove.

Contractor had an EHS HAZID session with Company in order to identify EHS hazards at design stages and to mitigate them using Contractor's hierarchy of Control as per below.

Comment [ME24]: Refer to Article 15.3 for environmental protection plans.

Comment [AJ25]: Indicate date when this session took place





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4. QUALITY MANAGEMENT

4.1 NONCONFORMITY MANAGEMENT

Reference	Description	Action Taken
CD0502001-Q001	Contractor (Alstom Grid Canada) submitted issued for construction drawings (revision CI) which identified the use of rigid foam insulation in the foundation build up. The use of rigid foam insulation has not been approved by Company. Company has returned the drawings as Code OS Not Reviewed.	Concession request was sent for acceptance. Contractor's Technical Director will notify all Engineers that drawings showing non conformity to Company specification shall not be submitted for review prior to receiving approved concession request. It will be reinforced that it is originator and verifier responsibility to make sure the prepared document is compliant to specifications and eventual APPROVED concessions.
CD0502001-Q002	As part of response to SQY-CD0502001-0018 issued to Contractor on 20-Mar-2015, Contractor was requested to submit a concession request outlining the proposal of a metal clad roof for the gas insulated switchgear buildings at Muskrat Falls and Churchill Falls, <u>as this was a known deviation from the technical specification. Contractor proceeded to issue drawings for review with this deviation and without the necessary concession request.</u>	Contractor will raise the concession request on the subject of metal clad roof for the GIS building. Contractor's Technical Director will notify all Engineers that drawings showing non conformity to Company specification shall not be submitted for review prior to receiving approved concession request. It will be reinforced that it is originator and verifier responsibility to make sure the prepared document is compliant to specifications and eventual APPROVED concessions.
CD0502001-Q003	Contractor has submitted architectural issued for review (revision AI) drawings that include names not currently in the submitted organization charts or Engineering Management Plan, and no mention of a sub-contractor or partner in the relevant title block field. These drawings also have the 'Approved' field blank, indicating that they have not been verified or approved by Contractor (specifically the Project Engineering Manager) prior to submitting to Company. In addition there are no signatures/initials as required (physical or electronic)	Alstom's Project Manager will reinforce to the team that no document shall be issued to Customer for review without having specified the name of Alstom's approver(s). Similar directives will be given to the doc controller. The lead Doc Controller will reinforce and apply the above requirement to the team during her next weekly meeting.

Comment [KM26]: Please use Company NCR reference numbers to ensure consistency.

Comment [ME27]: Code 5



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CD0502001-Q004	Contractor has continually submitted drawings for review or for construction with checkers and approvers identified in the title block, but without signatures or initials (physical or electronic) to show that they have been verified and approved. Signatures or initialing is required for engineering documents to show that the persons named have indeed reviewed the drawings (or that those persons responsible for preparing the drawings are under their supervision)	Contractor use the electronic document management system PDM to approve officially its documents. The signature section on contractor's front sheet exist in the circumstances that PDM wouldn't be available. Only IFC drawing will have the physical signature. Contractor's Technical Director will reinforce to the team that no document will be accepted for the issuance without having specified the name of Alstom's approver and in case of IFC initials, signature and engineering stamp, respective indications will be given to the Doc controller.
CD0502001-Q005	Contract submitted issued for construction (revision CI) drawings which are approved (P.Eng sealed) by Claude Lauzon. Based on the latest organization chart submitted by Contractor, Claude Lauzon is listed as a Civil Works (CW) Senior Advisor. <u>In addition, there is no 'roles and responsibilities' description for a Civil Works Advisor, detailing that this position is well placed to either supervise the CW design or conduct a full review of the CW design prior to affixing their P.Eng seal.</u>	Even if Claude Lauzon is listed as a CW Senior Advisor as per Organization chart; Claude Lauzon is also involved in CW Design by bringing his support to CW Engineering Team such as verifying and approving documents. In the meantime C. Lauzon is responsible of the CW Design department and its main duty is supervising the work. C. Lauzon as well as F. Richer who's currently supervising the CW team for CW LCP Project are PEGNL liceneed licensed. Contractor will define C. Lauzon role and authority for Signing and Sealing DWG's by updating the Orgchart and role & Responsibility document.
CD0502001-003	For CD0502, civil works drawings are not always reviewed or validated prior to IFC. As per clause 6.3 of LCP-PT-MD-0000-IM-PR-0015- necessary checking, authorization and acceptance of their documents is performed prior to -LCP.	In order to identify the root causes ; please give the evidence finding during the -Nalcor Audit

Comment [AJ28]: Numbering not consistent.

Comment [AJ30]: The wording doesn't appear to be an action

Comment [AJ29]: Wording seems to be missing

4.2 PREVENTIVE AND CORRECTIVE ACTIONS

Reference	Description	Action Taken
CP0243	The SDR related to civil drawings not comply with customer requirements	-Update the SDR according to the Company requirements
CP0251	CD0502 PEP not provided on time	PEP was first submitted to Customer on 17-Oct-2014 by the transmission Email: AGrid-EMAIL-000040. PEP was resubmitted with minor changes on 1920-Oct-2014 by the

Comment [ME31]: Only change was the Company definition corrected.



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	transmission Email: AGrid-EMAIL-000403. Customer commented the PEP on 10-Dec-2104 25-Nov-2015 by the transmission Email: LCP-CM-EMAIL-029674. Customer indicated to AG that this document (PEP) will be the last one to get acceptance for. As such AG indicated that it will resubmit its corrected and final version when all other Plans will be accepted."
--	--

Comment [ME32]: This statement is incorrect and misleading. Actual comment was: "Company requires all **referenced** documents to be submitted and approved prior to approving this document, as in accordance with Exhibit 3, many of these documents form part of the execution plan." This is related to the fact that the PEP was incomplete at time of submittal without references and appendices. The PEP is a critical document related to the effective execution of the project, which to date has still not been re-submitted despite numerous meetings and discussions initiated by Company to try and facilitate. Please also note that the effective date of the Contract was 15-Aug-2014, which means Contractor is 12 months into the project without an approved PEP.

Comment [KM33]: Provide a three month look ahead on inspection activities.

Comment [AJ34]: Please confirm this is correct.

Comment [ME35]: Report transmitted 23-Jun-2015 and acknowledged by Contractor 26-Jun-2015.

4.3 INSPECTION ACTIVITIES

No Inspections were executed or planned during the month of ~~May~~ June 2015.

4.4 AUDITING ACTIVITIES

The one planned Internal Audits (Engineering process activities) scheduled for June was not performed due to the priority given to the proposed Civil Works Contractor External Audits.

Contractor External Audits	April-2015	May-2015	Jun-2015
Planned	2	3	0
Completed	2	3	0

Contractor Internal Audits	April-2015	May 2015	Jun-2015
Planned	2	1	1
Completed	1	0	0

Company performed an Audit of Contractor at the La Prairie Office site (20 & 21-May-2015). ~~Contractor is waiting for the Company's Audit Report.~~

Three months look ahead:

	July-2015	August-2015	Sept-2015
Contractor External Audits	0	4	0
Contractor Internal Audits	0	0	2

~~August-August:~~ (4) Civil Work for Muskrat fall, Soldier pond, Churchill Fall & Churchill Fall Ext.
 September: (2) Procurement activities & Verification of purchased equipment's/services.

4.5 PLANNED TESTS / HOLD POINTS (THIS MONTH ACTUAL / NEXT MONTH PLANNED)

No Planned Tests and Hold Points were executed or planned during the month of ~~May~~ June 2015.

Contractor's Planned Test and Hold			
------------------------------------	--	--	--



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Points	June-2015	July 2015	August 2015
Planned	0	0	0

5. RISK MANAGEMENT

5.1 MAJOR RISKS

The following risks have been identified as the major risks, ranking them in order from the most significant risk to least significant:

R0174 – Engineering Late delivery of Principle and Key Diagrams for the Secondary – Because of lack of resources with Contractor internal supplier then the Engineering for the secondary might be delayed. Contractor will transfer ~~ea~~ part of the scope of ERT to RCMT to mitigate the impacts on the engineering progress.

R013 – Engineering – Issuance of IFC Drawings before the start of the construction. If the IFC status is not completed for certain drawings and technical specification then construction can be significantly impacted in terms of delay. Contractor shall sort such situation out by conjointly proposing completion and mitigation plan in order to not impact the progress of the Work.

R002 – Engineering – Constructability – Misleading in the definition of the Civil Design SOW and lack of detail to freeze the Civil Design. The Civil Drawings shall be issued for approval before starting the construction activities at Site to ensure that the SOW is aligned with the needs and to avoid any misunderstandings on the requirements. In addition, any change in the Work impacting the Civil Design shall be identified and reissued as soon as possible to avoid delaying the Civil Design freeze. Constructability Procedure received from Company - Contractor is reviewing the requirements in term of constructability.

R011 – Availability of concrete on sites MF & CF - Potential stock outage – Due to the peak of activities expected during the first stages of construction in Q2-2015 at the Muskrat Falls Site and because of the multi-projects awarded by Company, during the first stage of construction in Q3-2015, a potential concrete shortage is possible. Contractor shall contact as soon as possible the Concrete Supplier/contractor in order to secure the quantity, the schedule of supply, and also the rate as set forth in Exhibit 12 – Worksite Conditions. Further to the discussions with the potential bidders, Churchill Falls Terminal Stations sites will also face a potential concrete shortage due to the distance to the sites and also the lack of local suppliers.

R004 – Engineering – Manufacturing – Factories Capacity Requirements - If the "Design Freeze" and Design Reviews are not in effect prior to the actual date of manufacturing, then Contractor may miss the booked slot in the factories requiring the review the schedule of the work-load with the various factories. Impact of all modifications and design changes shall be analysed and assessed (i.e avoid the situation such as faced Contractor with the LCC Panels where an earlier design review was done with Company to mitigate any impacts or modification, Company at the final design started to make significant ~~modification~~ modification)

5.2 RISK REGISTER



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The current Risk Register is attached. (Appendix 1)

5.3 RISK MANAGEMENT ACTIVITIES

R001 – Engineering – External and Internal Interfaces

Actions Open:

- Make sure that the interfaces with Construction are correctly handled and followed.

R002 – Engineering - Engineering – Constructability

Actions Closed:

- Finalisation of the remaining IFC drawing before the signature of the Civil Work Contract – CD0504.
- NCR received (due to IFC Drawings which were returned as Code 5) are under reviewing and will be issued at the soonest.

Actions Open:

- Contractor will proceed with the Constructability Review and will share the results with Company.

R001 – Engineering – Design Process Review

Actions Open:

- Company nominated an Engineering Deliverables Coordinator to work conjointly with Company and Contractor. A meeting at La Prairie is planned for 20 & 21-July-2015.

R014 – Construction – Site Mobilization

Actions Open:

- Contractor and Company conjointly performed the Site Handover for Soldier Ponds. For MF & CF, the site handover shall be organized during July 2015 period.

Actions closed:

- Organize a meeting with Company to review all the documents necessary to handover the site and to start the site mobilization- Construction Management Plan and Mobilisation [Plan](#) reviewed and approved by CPY.

Risks Closed:

R0016 – Construction – Potential Extension of Time (EoT) Claims from CW Contractors upon the signature of the LNTP

Company and Contractor agreed on the CHO-007 related to the Exhibit 19 signed with CW Contractor CD0504-002 to ensure additional measure to maintain the schedule.

R0015 – Construction – CF Existing Switchyard - Technical Specifications Standardisation

Company confirmed that Nalcor specifications will be used and will notify Contractor for any changes or modifications related to this interface.

New Risks:

R017 – Engineering – Late delivery of Principle and Key Diagrams for the Secondary

Actions Open:

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- Focusing the work and final transfer shall be done before the end of July

6. INTERFACE MANAGEMENT

6.1 OVERVIEW

The following Table summarizes the Interface Points (IPs) in progress:

Qty of IPs	Previously	Actual
Open	26	61
Closed	3	6
Other identified IPs	116	79
Total	145	145

6.2 ACTIVITIES

The following Table summarizes the Technical Interface Requests in progress:

Status	AGS-MFL		MFL-AGS		AGS-AND		AND-AGS		AGS-ARP		ARP-AGS	
	Prev.	Actual	Prev.	Actual	Prev.	Actual	Prev.	Actual	Prev.	Actual	Prev.	Actual
Revise & Resubmit	0	0	0	0	0	0	0	0	0	0	0	0
Submitted	4	9	2	7	0	0	0	0	0	3	4	6
Rejected	0	0	0	0	0	0	0	0	0	0	0	0
Agreement	3	5	0	0	0	0	0	0	0	0	0	0
Responded	4	12	5	5	0	0	2	2	0	0	1	1
Accepted	2	0	0	0	1	0	0	0	0	0	0	1
Closed	7	10	2	2	0	1	1	1	0	0	0	0
Cancelled	0	0	0	0	0	0	0	0	3	3	0	0
Total	20	36	9	14	1	1	3	3	3	6	5	8

Legend: Cells filled with blue color represent action awaited by Contractor,
 Cells filled with red color represent action awaited by Company,
 Cells filled with green color represent action awaited by CD0534.

Contractor submitted 19 new interface requests, mostly related to Synchronous condensers connections, Construction power, transmission lines attachments points, Muskrat Falls water supply connection, etc.

Company has submitted 5 new interface requests, related to fiber optic cables characteristics and raceways.

An interface workshop meeting has been held in St.-John's between CD0502 and all other packages.

Comment [AJ36]: Specify date when this meeting took place.

6.3 ISSUES AND CONCERNS

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Contractor received response on the long term storage procedure for the PD0537 free-issued transformers. The response contained three different generic documents (manuals) with similar but also some conflicting information. Contractor will require clear instructions from Company to ensure warranty coverage. A meeting with Company and PD0537 is planned for the next month.

Contractor has received an updated request on TIC-MFL-AGS-012 for the power plant protection inputs to be monitored by the substation control system, which represented an increase of 156% (from 16 to 41 inputs per panel) compared to original request received on 09-Feb-2015. Contractor is currently reviewing the potential impacts.

7. ENGINEERING

7.1 OVERVIEW

Overall cumulative engineering progress is 27.5% against a baseline of 59.2%; currently 31.7% behind the plan. The Engineering progress is reported from Primavera (P6).

Cumulative Engineering Progress (Source P6 Schedule)			
Unit	Planned To Date	Actual To Date	Current Forecast for July 2015
Primary Eng.	56.3%	46.2%	61.9%
Secondary Eng.	42.6%	7.8%	20.7%
Civil Works Eng.	71.1%	38.6%	59.0%
Engineering Total	59.2%	27.5%	43.5%

Notes:

1. Primary Engineering includes main single-lines, layouts, studies, installation details, engineering by BHT etc.
2. Secondary Engineering includes protection single lines, schematics, wiring diagrams, engineering by SPL etc.
3. Planned to Date & Current Forecast values are both coming from P6 Project Schedule.

Supplier Document Register Status
(All Engineering Documents and Drawings) (Cumulative To Date)

Document Code	May 2015	June 2015	Variance
01 - Reviewed & Accepted - No Comments	44	43	-1
02 - Reviewed - Inc. Comments / R & R	85	154	+69
03 - Reviewed - Not Accepted	2	11	+9
04 - Information Only	0	2	+2
05 - Not Reviewed	1	20	+19
Issued for Construction	-	37	-
Issued for Review	10	108	
Not Yet Submitted	1690	1447	
TOTAL DOCS	1822	1822	

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Engineering Document Status (Cumulative To Date)

Site Queries/ Technical Queries	
Company responses submitted	29
Partial Company response submitted	0
Not responded	4
Cancelled	1
Total	34
Engineering	
Site Instructions	0
Field Work Orders	0
Engineering Change Notices	8

7.2 OPPORTUNITIES AND CHALLENGES

Challenges:

- Recovery of engineering progress to baseline.
- Civil Works Engineering is progressing with emphasis being placed on all drawings required for Construction.

7.3 ACCOMPLISHMENTS

Engineering meetings, focusing on the Primary and Secondary Engineering documents, were held with the Company on:

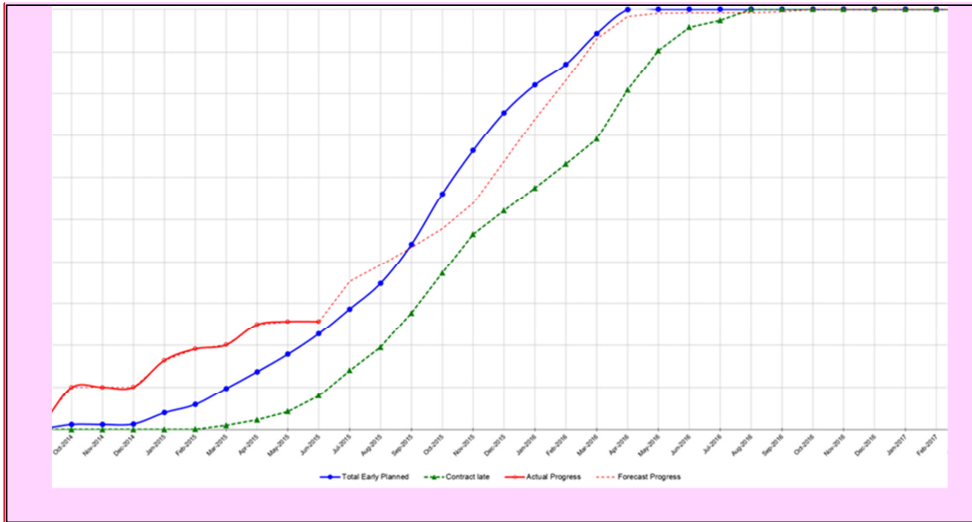
- 22-Jun-2015, meeting to review Hazid Schedule for Hazid at all AC substations. Company provided comments within the meeting and Contractor to update Hazid Schedule.
- Weekly Technical Status Update and Discussions Meetings are held every Tuesday morning with Company to ensure a smooth and continuous communication between Company and Contractor. These meetings allow for quick clarifications and expedited resolutions with the focus to prevent any design issues from arising whenever possible.



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7.4 PROGRESS CURVES

Engineering Progress Curve



Engineering (PE, SE and CW only) Progress Curve (27.5% for June 2015) Primarera P6

Comment [ME37]: Graph shows little or no progress on engineering between April and June – this needs to be expanded on and explained in detail. Graph does not seem to display the progress outlined in 7.1. and is significantly different to that of last month, including actuals.

Comment [AJ38]: Progress curve appears incorrect (engineering is actually shown ahead of progress?). X-axis missing. Too small to read.

7.5 3-MONTH SCHEDULE

The 3- Month Schedule for all Engineering disciplines is located in Appendix 6.

7.6 ~~ENGINEERING ACTION RECOVERY PLAN~~

An Engineering recovery Plan was put in place for the Engineering deliverables to regain the Progress back to the baseline. The Progress curve has been reforecast from the baseline and some documents have been deferred, however, these changes will not have any impact on the overall schedule/milestones. Currently, with the reforecast dates inputted into the schedule, the engineering curve is still between the early and late dates (section 7.4) therefore, at present there is no significant risk to engineering.

Primary Engineering

Primary Engineering is currently 10.1% behind the baseline planned progress of 56.3%. Recovery plan has been put into place to regain progress to the baseline, however currently the delay in progress is not affecting the overall project schedule.

Comment [AJ39]: Suggest title of this section is renamed "Engineering Recovery Plan".

Comment [ME40]: The recovery plan should include actionable items that can be tracked and monitored for effectiveness. The same (or similar) rhetoric has been in place for the past few reports, however the variance is growing (27.6% last month, 31.7% this month) indicating that this recovery plan is not sufficient to mitigate delays to the project. A formal recovery plan needs to be developed (including action items, owners, dates etc.) and presented to the Company as soon as possible as this is a critical item.

Comment [ME41]: The data presented does not support this claim.



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The following Primary Recovery Plan Actions are in progress:

- Review Supplier Drawing Register (SDR) & Contractors Master Document List (MDL) add reforecast dates in line with what can be achieved and had no impact on Schedule.
- Engineering schedule being reviewed and validated by the Primary Engineering Team.
- Workload being reviewed and validated by Primary Engineering discipline leads.
- Additional Engineering Support
- Soufiene Draoui joined the Primary Engineering Team starting 21-Jun-2015.
- Gerard Binelli will provide additional technical expertise and support on a part time basis starting in June.

Comment [ME42]: Any reforecast needs to be communicated and agreed with Company to ensure sufficient resources are available to review and respond as necessary.

Comment [AJ43]: Not mentioned in Section 2.4.

Secondary Engineering

Secondary Engineering is currently 34.8% behind the planned progress of 42.6%. Some schematic documents have been reforecast, without any adverse effect to the schedule

Comment [ME44]: Any reforecast needs to be communicated and agreed with Company to ensure sufficient resources are available to review and respond as necessary.

The following Secondary Recovery Plan Actions are in progress:

- Review of Supplier Drawing Register (SDR) & Contractors Master Document List (MDL), reforecasting dates in line with what can be achieved that will have no impact on overall Schedule.
- Engineering schedule being reviewed and validated by the Secondary Engineering Team.
- Workload being reviewed and validated by Secondary Engineering discipline leads.
- Resource from ERT (Alstom Solutions Unit in Lyon, France) initiated to produce protection schematics for Muskrat Falls and Churchill Falls based on the Company commented drawings Contractor has received.
- External subcontractor (RCMT Energy Services Canada (RCMT)) appointed, to produce Protection and Control Schematics, Panel General Arrangements and Bill of Materials. These documents will be based on the documents the Contractor has already submitted to the Company in order to keep consistency. Contractor has applied a Secondary Engineer to lead the RCMT subcontractor to ensure good co-ordination and communication.

Civil Works Engineering

Civil Engineering is 32.5% behind the planned progress of 71.1%. The reported Civil Works progress reflects the drawings that have been submitted to the Company. This poor progress does not reflect the significant progress with the drawings required for the start of Construction (example–foundation drawings).

The main reason for the lack of progress is:

- Design inputs from electrical design (BOP, PES, etc...) are actually missing and delay the preparation of certain documents. However, close follow up are done to ensure that none of the required document for the site works actually performed on site are pending to these missing information. This has caused the progress in some Civil Works packages to fall behind the schedule although this is not affecting the foundations Civil Works Packages for CD0502.

To mitigate the Civil Works progress issues the following actions are being done.

- Work is continuing to expedite the issue of drawings with Company in order to accelerate the drawing review process.
- Design Reviews are to be organized with the Company to review problematic drawings in order to accelerate the approval process.



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The Contractor continues to review the date of delivery of the documents and drawings including the list of expected IFC date issue. The new target dates set for the IFC drawings are in line with construction requirements.

8. PROCUREMENT

8.1 OVERVIEW

The Overall cumulative Procurement progress reported in Primavera schedule is 25.6% against a baseline of 22.7%; currently 2.9% ahead of the plan.

8.2 OPPORTUNITIES AND CHALLENGES

There are no Procurement Opportunities and Challenges to report in June 2015.

Comment [ME45]: Please confirm that there is no significant risk with advancing procurement ahead of schedule while engineering is delayed. If there is significant risk, explain how this is being managed.

8.3 ACCOMPLISHMENTS

Period of 21-May-2015 to 20-Jun-2015

Purchase Orders:

There were no POs issued in June

Commercial and Technical Evaluation:

There were 2 bids evaluated:

- HV Cables (Bid closing 30-May-2015 - extended)
- MV Cables (Bid closing 22-Jun-2015 - extended)

Requests for Quotation:

There was 5 RFQs issued for quotation:

- MV Switchgear (Bid closing 13-Jul-2015 - extended)
- Station Service Transformers (Bid closing 3-Jul-2015)
- Surge Arresters (Bid closing 13-Jul-2015)
- Stranded Conductor Bus Bars (Bid closing 13-Jul-2015)
- Digital Fault Recorder (Bid closing 6-Jul-2015)

Civil Works RFP:

~~Award recommendations for the Civil Works RFP were submitted to the Company for approval on 28 May 2015. The LNTP draft was issued to H.J. O'Connell Construction Ltd. (HJOC) for Soldiers Pond and Pomerleau Inc. for Muskrat Falls 28 May 2015. Comments from both HJOC and Pomerleau were submitted to the Company for review 29 May 2015.~~

Comment [AJ46]: Not relevant for June 2015 report.



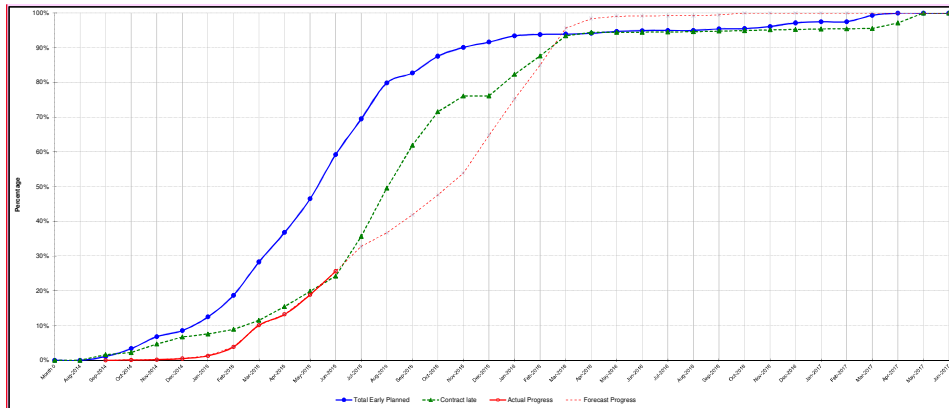
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LNTP signed by HJOC 3-Jun-2015 until 16-Jun-2015 extended to 3-Jul-2015. For Pomerleau, LNTP signed 3-Jun-2015 until 19-Jun-2015 and extended to 3-Jul-2015. HJOC and Pomerleau have provided their documentation required in the LNTP and are under review by the Contractor.

8.4 PROGRESS CURVES

Procurement Progress Curve



Procurement Progress Curve (25.6% for June 2015) Primarera P6

Comment [ME47]: Graph is significantly different to last month.

Comment [AJ48]: Actual progress missing. Fix line weighting.

8.5 3 MONTH SCHEDULE

The 3- Month Schedule for Procurement is located below and in Appendix 6.

8.6 ACTION PLAN

Services and Engineering Procurement (Itemized Action Plan for June 2015 is found in Appendix 6)

4 RFQs to be issued to Suppliers in July 2015:

- Pad Mount Service Transformers
- Battery Charger
- Tubular Busbars Conductors
- Distribution LV Panel

3 POs expected in July:

- Waste Management Services
- Cleaning Services (site trailers and wash carts)
- Battery / Chargers

Comment [AJ49]: Specify which site.

Comment [AJ50]: Specify which site.



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9. CONSTRUCTION

9.1 OVERVIEW

Construction baseline progress is at 0% as planned.

Comment [ME51]: According to 1.1 the planned should be 9.4%.

~~The Procurement Team expects to award the Civil Works LNTP for Muskrat Falls, Soldiers Pond and Churchill Falls AC Substations during the first week of July 2015. This will enable construction progress to begin.~~

Comment [AJ52]: The LNTP is the award of contract and for CW Contractor to proceed with work.

This is a delay of approximately 4 weeks compared to the planned date of 8-May-2015. This delay is partially mitigated by optimizing the mobilization methods and construction activity sequencing. The Civil Works to begin at Soldiers Pond by 03-Jun-2015 and Muskrat Falls Converter Stations by 06-Jul-2015.

Comment [AJ53]: Provide actual date when work began.

The Civil Works Contractors to prepare the documentation for CW Contractors mobilization(s): Mobilization Plan(s), Construction Plan(s), EHS Plan, Quality Plan(s) and other related construction documentation.

Contractor's construction trailers were mobilized to the Soldiers Pond, Muskrat Falls and Churchill Falls sites. The installation of the trailers and furniture will take place once all required permits and documentation have been approved by the Company in June. Contractor's Site Management Team is ready to mobilize to site.

Comment [AJ54]: Company does not approve permits. Specify documentation waiting for Company approval.

The Civil Works Contractor Kick-off meetings will be held during the week of 15 June 2015 in St. John's.

Comment [AJ55]: Specify actual dates as this is report for June.

9.2 OPPORTUNITIES AND CHALLENGES

Challenges:

Contractor continues to work on Construction documentation to ensure that all building permits are in place and that IFC drawings are issued in due time for the construction to start.

Comment [ME56]: Mention the construction of the transformer foundations ready to accept the free-issued TX's.

Comment [ME57]: Note that the construction management plan has still not been re-submitted for approval.

The permits and the approval of the documents and drawings for construction remain as a top priority for the Contractor. The Permit Register is located in Appendix 8.

Opportunities:

No Construction opportunities to report in May-June 2015.

Comment [ME58]: Double shifts (day and night) might be considered an opportunity to recover on the schedule.

9.3 ACCOMPLISHMENTS

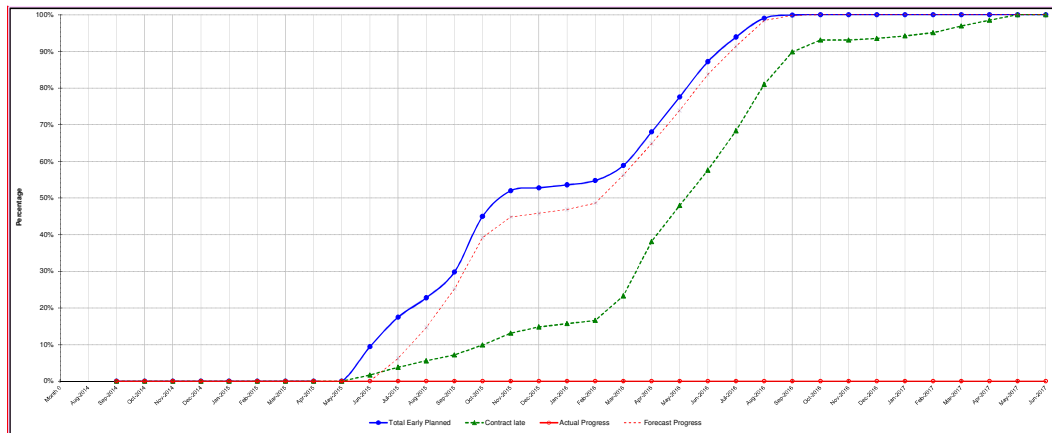
There are no Construction accomplishments to report in June 2015.

9.4 PROGRESS CURVES



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Construction Progress Curve



Construction Progress Curve (0.0% for June 2015) Primavera P6

Comment [ME59]: Again, this graph is significantly different to that presented last month.

Comment [AJ60]: Fix line weighting.

9.5 3 MONTH SCHEDULE

The 3- Month Schedule for Procurement is located in Appendix 6.

Comment [ME61]: This should be a 3-month look ahead for construction, not procurement.

9.6 ACTION PLAN

The following activities are planned for site mobilization and start of construction:

- Waiting for reviewed Construction Management Plan transmitted for Approval in June 2015.
- Security Services to be mobilized at Muskrat Falls and Churchill Falls in June –Soldiers Pond in place in May-2015
- Electrical Power Supply to be installed in June 2015
- Telecom Services to be installed in June 2015

Comment [AJ62]: Company provided comments to CMP on 4-Jun-2015. Company is waiting for Contractor to submit CMP as version B1.

Comment [AJ63]: Specify dates when this actually happened.

Comment [AJ64]: Specify dates when this actually happened per site

Comment [AJ65]: Specify dates when this actually happened per site

10. COMMISSIONING

10.1 OVERVIEW

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Commissioning is not forecast to begin until 2016.

The sole commissioning activity is the nomination of the projects overall Completion Manager. Contractor continues to work on the details of the roles and responsibilities for the Completion Manager's position.

Comment [ME66]: This is the same comment as last month – please indicate what is being worked on. Completions for Alstom's overall integrated scope will require a large amount of planning, so this is an activity that Alstom should have already started.

10.2 OPPORTUNITIES AND CHALLENGES

Not applicable at this time.

10.3 ACCOMPLISHMENTS

Not applicable at this time.

10.4 PROGRESS CURVES

Not applicable at this time

10.5 3 MONTH SCHEDULE

Not applicable at this time.

10.6 ACTION PLAN

Not applicable at this time.

11. PROJECT CONTROLS

11.1 Planning and Scheduling

11.1.1 Activities

Summary

The Project Schedule has been updated as of 19-Jun-2015 using input from PDM for engineering, input from the Procurement Dashboard for the procurement progress and preliminary construction schedules from selected civil subcontractors.

Engineering

The schedule activities have been reviewed to be in line with revised Contractor Master Document List (MDL). Civil forecast dates for IFC (issue for construction) drawings are in line with construction activities.



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Procurement

The procurement package for the AC/DC Distribution Panel (c/w switchgear) has been broken down in 2 packages due to different engineering requirements and manufacturing lead times. The packages are AC/DC Distribution Panel and LV Switchgear.

Construction

The activities related to the civil works have been updated base on the preliminary schedules from H.J. O’Connell for Soldiers Pond and Pomerleau for Churchill Falls and Muskrat Falls. The construction schedule will be reviewed in details next month, following the finalization of the contracts with O’Connell and Pomerleau and the receipt deposit of their respective final construction schedules. In addition to the civil works activities, the downstream activities will also be considered during the review. Activities related to the construction of the foundations of power transformers as well as their related equipment will be reviewed and detailed by pad as requested by Company. A detailed construction schedule has been developed for a close follow up on sites. A procedure will be developed to interface the latter schedule with the project schedule and improve the update.

11.1.2 Critical Path and Sub-Critical Path Analysis

The presentation of the Critical Path and the analysis for the Critical Path is done using the three distinct sites and includes two different contractual dates for each site (Soldiers Pond, Muskrat Falls, and Churchill Falls). Due to the large amount of activities the schedule is shown in appendix 9 Schedule Update.

Activities common to all sites

Many activities are common to many sites. These activities are often driven by more than one engineering site activity and drive more than one delivery or construction site activity. These activities have been grouped and sorted base on their criticality and relationship.

The following procurement packages listed and shown below are critical or nearly critical and will required special attention in the coming months.

- Control Building, Pre-fabricated (all sites)
- Contract, Building Service Works
- Contract, Building Architectural Works
- Contract, Installation Works
- Contract, Building Fire Protection Works
- Overhead Crane
- LV Power and Control Cables
- MV Cable
- LV Switchgear
- Auxiliary Transformer
- Protection & Control – DCS
- Control & Protection (protection panels supply)

Comment [TP67]: As in previous months, we would like to see the filter of the critical and sub-critical paths for each site imbedded in the report. Why were these removed?



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- 27kV Switchgear
- Post Insulator (AC & DC)
- Fibre Optics Cable
- Support Structures
- Pole & Mast for Lighting
- AC/DC Distribution Panels
- GIS

Soldiers Pond

The following engineering packages listed and shown below are critical or nearly critical and will required special attention in the coming months.

- Primary Design Package 04 – Installation Drawings
- Primary Design Package 07 – Grounding Installation Details
- Secondary Design Package 01 – Conceptual Design, DC Loads
- Secondary Design Package 04 – Calculations (protection CT & CVT)
- Secondary Design Package 06 – Protection Schematics (P&C panels)
- Secondary Design Package 12 – Cable Schedules
- Secondary Design Package 13 – Relays Settings (settings & configuration)
- Civil Design Package 06 – Steel Structure Layouts, Post Insulators & Eqpt Steel Supports
- Civil Design Package 07 – Cable Trenches & Ducts
- Civil Design Package 12 – Control Building Architecture
- Civil Design Package 15 – Control Building Electrical
- Civil Design Package 16 – Control Building HVAC & Plumbing

Muskrat Falls

The following engineering packages listed and shown below are critical or nearly critical and will required special attention in the coming months.

- Primary Design Package 05 – LV & HV Cable Routing
- Primary Design Package 08 – AC Yard Lighting
- Primary Design Package 09 – Lighting Installation Drawings
- Primary Design Package 10 – BOM, Signs, Tags & Fabrication Details
- Secondary Design Package 01 – Conceptual Design, AC Loads
- Secondary Design Package 07 – AC Schematics & Lighting
- Civil Design Package 02 – Concrete Foundation Layout
- Civil Design Package 03 – Transformer Foundations Design
- Civil Design Package 06 – Steel Structure Layouts, Post Insulators & Equipment Steel Supports
- Civil Design Package 12 – Control Building Architecture
- Civil Design Package 13 – Control Building Envelope
- Civil Design Package 15 – Control Building Electrical
- Civil Design Package 16 – Control Building HVAC & Plumbing
- Civil Design Package 21 – GIS Building Layout
- Civil Design Package 22 – GIS Building Architectural
- Civil Design Package 25 – GIS Building Electrical

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- Civil Design Package 28 – GIS Building Overhead Bridge Crane

Churchill Falls

The following engineering packages listed and shown below are critical or nearly critical and will required special attention in the coming months

- Secondary Design Package 01 – Conceptual Design, AC Loads
- Secondary Design Package 02 – Conceptual Design, DC Loads
- Secondary Design Package 03 – Single Line Diagram (interlocks)
- Secondary Design Package 06 – Protection Schematics
- Secondary Design Package 07 – AC Schematics
- Secondary Design Package 08 – DC Schematics
- Secondary Design Package 09 – Technical Specs Relays
- Secondary Design Package 13 – Relay Settings
- Secondary Design Package 12 – Cable Schedules
- Civil Design Package 02 – Concrete Foundation Layout
- Civil Design Package 03 – Transformer Foundations Design
- Civil Design Package 12 – Control Building Architecture
- Civil Design Package 13 – Control Building Envelope
- Civil Design Package 15 – Control Building Electrical
- Civil Design Package 16 – Control Building HVAC & Plumbing
- Civil Design Package 21 – GIS Building Layout
- Civil Design Package 22 – GIS Building Architectural
- Civil Design Package 23 – GIS Building Envelope
- Civil Design Package 25 – GIS Building Electrical

11.2 COST CONTROL

11.2.1 Contract Price Summary

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CURRENT CONTRACT PRICE SUMMARY				
CONTRACT NUMBER: CD0502-001 Construction of AC Substations			PERIOD: 25/juin/2015	
Date	REF NUMBER	DESCRIPTION	CURRENT VALUE	AWARDED VALUE
15-Aug-2014	CD0502001	Construction of ACS Substations	\$ 187 411 577,33	\$ 187 411 577,33
23-janv-2015	CHO -CD0502001-001	Execution of Option to Condition Monitoring	\$ 295 779,00	
26-janv-2015	CHO -CD0502001-002	Change from Mehta Tech to Qualitrol Digital Fault Recorder	-\$ 419 827,78	
04-mars-2015	CHO -CD0502001-003	Mixed Gaz wall bushing	-\$ 165 000,00	
23-Mar-2015	CHO -CD0502001-004	Battery discharge Time	\$ 108 990,00	
23-June-2015	CHO-CD0502001-0006	Change in Equipment Naming Convention	\$ 23 502,18	
Total CHANGE REQUESTS / CHANGE ORDERS			-\$156 556,60	-
Total CONTRACT VALUE			\$187 255 020,73	\$187 411 577,33

Comment [AJ68]: Show all change order, even change orders that have \$0 impact.

11.2. Cost Report
11.2.2 Invoice Status

See Appendix 2 for the CD0502 Cost Report.

11.2.2 CHR/CHO Table

Change Requests	Last Period (Mar 2015)	This Period (Apr 2015)
Open	3	5
Cancelled	0	0
Closed	0	1
Total	3	6
Change Orders	Last Period	This Period
Total	4	6

Comment [AJ69]: Update Table.

Comment [AJ70]: Update Table

Status of Open Change Requests:

- CHR-003 – Structured Cabling - PT-CHR-CD0502001-0003 received on 20-April-2015. The preparation is ongoing. Contractor is expecting Company inputs.
- CHR-004 - MF Sanitary Facilities & Local Transportation - PT-CHR-CD0502001-0004 dated 24-April-2015. Contractor is investigating with the local transportation company.
- CHR-2001 – Impacts of the ENC No.006 – Changes on the single lines diagrams. Change submitted for Company review on 19-May-2015.
- CHR-005 – Upgrade disconnects switches - PT-CHR-CD0502001-0005 dated 05-June-2015. Contractor intends to complete its CHR proposals with the supporting information by end-beginning of July 2015 (on the 11-Jun-2015, reference letter LTR-CD0502-AG-LILLP-0033).

Comment [AJ71]: Specify inputs.

Comment [AJ72]: This comment is not consistent with Contractor's letter LTR-CD0502-AG-LTCLILLP-0030 received on 4-Jun-2015.

Comment [AJ73]: This Change Request was closed in June.



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- CHR-006 – Add disconnect switches - PT-CHR-CD0502001-0006 dated on 05-June-2015. Contractor intends to complete its CHR proposals with the supporting information by end-beginning of July 2015 (on the 11-Jun-2015, reference letter LTR-CD0502-AG-LILLP-0033).

Potential Changes Request:

- Supply and installation of Trailers at MF, SP and CF
- Layout optimization at SP and MF
- CHR-007 - Restrict access to the grounding reactor and grounding resistor
- Electrical Grounding Grid

Status of Change Order:

- CHO-005 – Modifications of Schedule of Price Breakdown approved on 11-June-2015
- CHO-006 – CHR-2001 – Impacts of the ENC No.006 – Changes on the single lines diagrams. Approved on 08-June-2015.

11.2.3 Invoice Status

Period ending 25-June-2015	Total CAD	LIL CAD	LTC CAD
Total invoiced to date *	\$ 15 276 556,47	\$ 2 912 950,91	\$ 12 363 605,56
Total cash collected to date **	\$ 13 747 534,05	\$ 2 621 655,81	\$ 11 125 878,24
* Total invoiced to date including holdback			
** Total cash collected excluding holdback			

Comment [TP74]: Invoiced to date does not match Company records.

	LCP	Alstom	Variance
LTC	\$ 12,362,087.03	\$ 12,363,605.56	\$(1,518.53)
LIL	\$ 2,912,408.99	\$ 2,912,950.91	\$(541.92)
Total	\$ 15,274,496.02	\$ 15,276,556.47	\$(2,060.45)

As well, the total cash collected to date is incorrect - these values should exclude payment certificate #10 as payment was made in July 2015.

LTC should be \$11,045,480.29 not \$11,125,878.24
LIL should be \$2,592,477.89 not \$2,621,655.81

Payment Certificate No. 11 & 12 is under revision by the Contractor and will be issued for approval in June.

12. APPENDICES

- Appendix 1 – Risk Register
- Appendix 2 – Cost Report
- Appendix 3 – List of Deliverables Documents Status
- Appendix 4 – Change Order/ Change Request Register
- Appendix 5 – Correspondence Register
- Appendix 6 – 3 Month Schedule Look Ahead
 - Engineering- Primary, Secondary, Civil Works Engineering

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- Procurement
- Construction

Appendix 7 – Procurement Plan List (Dashboard)

Appendix 8 – Permit Register

Appendix 9 – Schedule Update

Appendix 10 – Hold Register



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APPENDIX 1- RISK REGISTER



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APPENDIX 2- COST REPORT

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APPENDIX 3- LIST OF DELIVERABLES DOCUMENT STATUS

Company Document Number	Contractor Document Number	Title	External Version	Internal Version	Issue Date
MFA-AS-SD-4311-CV-D06-0005-03	LCA-MFA-315-ALS-800-083-CW-03	Muskrat Falls Terminal Station # 2 (MFATS2) Civil Works - Foundations 315-138 kV Transformers & Containment Pits Reinforcement Details	C1	01	23-May-2015
MFA-AS-SD-4141-ME-D99-0002-01	LCA-CFA-315-ALS-800-237-ME-	Churchill Falls Terminal Station # 2 (CHFTS2) GIS Building Mechanical HVAC & piping details	A1	01	17-Jun-2015
MFA-AS-SD-4357-EL-H41-0002-01	LCA-MFA-315-ALS-300-008-CN-	MUSKRAT FALLS TERMINAL STATION #2 (MFATS2) Electrical LV dc Distribution Design Calculation	A1	01	28-May-2015
MFA-AS-SD-4357-EL-H41-0001-01	LCA-MFA-315-ALS-300-009-CN-	MUSKRAT FALLS TERMINAL STATION #2 (MFATS2) Electrical Battery and Battery Charger, 125 Vdc Sizing Calculation Report	A1	01	28-May-2015
ILK-AS-SD-4562-PT-E05-0002-01	LCA-SOP-230-ALS-300-065-GA-	SOLDIERS POND TERMINAL STATION (SOPTS) Protection and Control Protection Panel Line TL-217 -System B General Arrangement and Bill of Materials	A1	01	21-May-2015
ILK-AS-SD-4562-PT-E05-0015-01	LCA-SOP-230-ALS-300-066-GA-	SOLDIERS POND TERMINAL STATION (SOPTS) Protection and Control Protection Panel Busbar B1 -System A General Arrangement and Bill of Materials	A1	01	21-May-2015
LCP-AS-SD-4000-SC-A11-0001-01	LCA-COM-000-ALS-000-012-PH-	Logistics and Transportation Strategy	B1	03	23-May-2015
LCP-AS-SD-4000-PM-A99-0002-01	LCA-COM-000-ALS-009-001-PL-	Construction Management Plan	A1	01	27-May-2015

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ILK-AS-SD-4550-EL-D99-0004-01	LCA-SOP-230-ALS-800-027-ED- -	SOLDIERS POND TERMINAL STATION (SOPTS) Yard Lighting Luminaire Layout and Schedule	A1	01	28-May-2015
LCP-AS-SD-4000-PM-A07-0001-01	LCA-COM-000-ALS-000-001-PL- -	Project Execution Plan	A1	02	29-May-2015
ILK-AS-SD-4550-EL-H99-0001-01	LCA-SOP-230-ALS-800-106-ED- -	SOLDIERS POND TERMINAL STATION (SOPTS) Electrical Lighting Illumination Levels Calculation Report	A1	01	28-May-2015
MFA-AS-SD-4153-EL-D99-0005-01	LCA-CFA-315-ALS-400-035-ID- -	Churchill Falls Terminal Station # 2 (CHFTS2) Electrical Grounding 735-315 kV Switchyard Grounding Grid - Installation Details	A1	01	4-Jun-2015
MFA-AS-SD-4153-EL-D99-0004-01	LCA-CFE-735-ALS-400-019-ID- -	Churchill Falls Terminal Station (CHFTS) Electrical Grounding 735 kV Switchyard Grounding Grid - Installation Details	A1	01	4-Jun-2015
MFA-AS-SD-4380-EL-D99-0001-01	LCA-MFA-315-ALS-400-058-SY- -	Muskrat Falls Terminal Station # 2 (MFATS2) Electrical Lightning Protection Study	A1	01	21-May-2015
MFA-AS-SD-4130-AR-D99-0041-01	LCA-CFE-735-ALS-800-032-AR- -	Churchill Falls Terminal Station (CHFTS) Interface Control Building Architectural General Notes and Legend	A1	01	12-Jun-2015
MFA-AS-SD-4311-CV-B06-0001-01	LCA-MFA-315-ALS-800-066-CW- -	Muskrat Falls Terminal Station # 2 (MFATS2) Civil Works - Layout Foundations Works 315 kV Switchyard Layout	C1	02	12-Jun-2015
MFA-AS-SD-4342-ME-D99-0001-01	LCA-MFA-315-ALS-800-094-ME- -	Muskrat Falls Terminal Station # 2 (MFATS2) GIS Building Mechanical General Notes and Legend	A1	01	19-Jun-2015

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MFA-AS-SD-4140-ME-D99-0001-01	LCA-CFA-315-ALS-800-062-ME-_-	Churchill Falls Terminal Station # 2 (CHFTS2) Control Building Mechanical - Plumbing Potable Water and Sanitary Sewer-Layout	A1	01	19-Jun-2015
MFA-AS-SD-4300-HS-A28-0002-01	LCA-MFA-000-ALS-009-003-HS-_-	Muskrat Falls Terminal Station - Site Specific Emergency Response Plan	A2	02	9-Jun-2015
ILK-AS-SD-4562-PT-E99-0009-01	LCA-SOP-230-ALS-300-250-SL-_-	SOLDIERS POND TERMINAL STATION (SOPTS) Protection and Control Tripping Matrix Feeder T2	A1	01	17-Jun-2015
MFA-AS-SD-4362-PT-E99-0010-01	LCA-MFA-315-ALS-300-280-SL-_-	MUSKRAT FALLS TERMINAL STATION #2 (MFATS2) Protection and Control Tripping Matirx Transmission Line TL3101	A3	03	11-Jun-2015
MFA-AS-SD-4130-AR-D99-0028-01	LCA-CFA-315-ALS-800-022-AR-_-	Churchill Falls Terminal Station # 2 (CHFTS2) Control Building Architectural Finishes	A1	01	12-Jun-2015
MFA-AS-SD-4130-AR-D99-0029-01	LCA-CFA-315-ALS-800-023-AR-_-	Churchill Falls Terminal Station # 2 (CHFTS2) Control Building Architectural Doors & Frames Schedule	A1	01	12-Jun-2015
MFA-AS-SD-4342-ME-D99-0005-01	LCA-MFA-315-ALS-800-048-ME-_-	Muskrat Falls Terminal Station # 2 (MFATS2) Mechanical Fire Protection - Control building Fire Extinguishing - Schematic Diagrams	A1	01	17-Jun-2015
MFA-AS-SD-4142-ME-D99-0007-01	LCA-CFA-315-ALS-800-061-ME-_-	Churchill Falls Terminal Station # 2 (CHFTS2) Mechanical Fire Protection - Control building Fire Extinguishing - Schematics diagram	A1	01	17-Jun-2015
MFA-AS-SD-4140-ME-D99-0002-01	LCA-CFE-735-ALS-800-022-ME-_-	Churchill Falls Terminal Station (CHFTS) Interface Control Building Mechanical General Notes and Legend	A1	01	17-Jun-2015

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MFA-AS-SD-4184-EL-D07-0008-01	LCA-CFE-735-ALS-400-032-ED- -	CHURCHILL FALLS TERMINAL STATION (CHFTS) Electrical 800 kV Current Transformer Drawing Secondary Terminal Box	A1	01	3-Jun-2015
LCP-AS-SD-4000-QA-Q99-0002-01	LCA-COM-000-ALS-005-005-PL- -	Substations General Quality Surveillance level	A1	01	2-Jun-2015
LCP-AS-SD-4000-ME-H99-0001-05	LCA-COM-000-ALS-800-006-ME- -	SUBSTATIONS GENERAL Mechanical Technical specifications HVAC Automation and controls	A1	01	19-Jun-2015
MFA-AS-SD-4110-CV-J10-0001-01	LCA-CFE-735-ALS-811-001-GT- -	Churchill Falls Terminal Station (CHFTS) – Geotechnical and Other Field Investigations – Geotechnical Report	A1	01	3-Jun-2015
MFA-AS-SD-4130-AR-D99-0008-03	LCA-CFA-315-ALS-800-080-AR- 03	Churchill Falls Terminal Station # 2 (CHFTS2) GIS Building Architectural Construction Details - sht 3 of 5	A1	01	12-Jun-2015
MFA-AS-SD-4130-CV-D06-0001-02	LCA-CFE-735-ALS-800-007-CW- 02	Churchill Falls Terminal Station (CHFTS) Interface Control Building - Foundation Plan Views - Sht 2 of 2	C1	03	18-Jun-2015
LCP-AS-SD-4000-EL-H99-0001-01	LCA-COM-000-ALS-800-001-TS- -	SUBSTATIONS GENERAL Electrical Technical Specifications	A1	01	17-Jun-2015
LCP-AS-SD-4000-PT-E99-0001-01	LCA-COM-000-ALS-300-001-TS- -	SUBSTATIONS - GENERAL Protection and Control SMCS Hardware specification	A2	02	16-Jun-2015
LCP-AS-SD-4000-PO-A99-0001-01	LCA-COM-000-ALS-000-011-PL- -	Project Procurement Management Plan	A1	01	15-Jun-2015
MFA-AS-SD-4180-EL-D99-0003-01	LCA-CFA-315-ALS-400-053-SY- -	Churchill Falls Terminal Station # 2 (CHFTS2) Electrical Lightning Protection Study	A2	01	21-May-2015

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ILK-AS-SD-4580-EL-D99-0001-01	LCA-SOP-230-ALS-400-038-SY- -	Soldiers Pond Terminal Station (SOPTS) Electrical Lightning Protection Study	A1	01	21-May-2015
MFA-AS-SD-4340-ME-D99-0001-01	LCA-MFA-315-ALS-800-050-ME-01	Muskrat Falls Terminal Station # 2 (MFATS2) Control Building Mechanical - HVAC Controls Schematics Sht 1 of 2	A1	01	17-Jun-2015
MFA-AS-SD-4341-ME-C03-0002-01	LCA-MFA-315-ALS-800-047-ME- -	Muskrat Falls Terminal Station # 2 (MFATS2) Control Building Mechanical - HVAC Equipment & Ducts Layouts	A1	01	17-Jun-2015
ILK-AS-SD-4541-ME-C03-0004-01	LCA-SOP-230-ALS-800-037-ME-01	SOLDIERS POND TERMINAL STATION (SOPTS) Control Building Mechanical <u>Mechanical</u> - HVAC Controls Schematic Diagrams - Sht 1 of 2	A1	01	17-Jun-2015
MFA-AS-SD-4331-EL-D99-0013-01	LCA-MFA-315-ALS-800-172-ED- -	Muskrat Falls Terminal Station # 2 (MFATS2) Control Building Electrical Fire Detection - Layout	A1	01	17-Jun-2015
MFA-AS-SD-4331-EL-D99-0009-01	LCA-MFA-315-ALS-800-085-ED- -	Muskrat Falls Terminal Station # 2 (MFATS2) GIS Building Electrical General Notes and Legend	A1	01	17-Jun-2015
MFA-AS-SD-4153-EL-D99-0011-01	LCA-CFA-315-ALS-800-037-EL- -	Churchill Falls Terminal Station # 2 (CHFTS2) Control Building Electrical Power Layout	A1	01	17-Jun-2015
MFA-AS-SD-4131-EL-D99-0013-01	LCA-CFE-735-ALS-800-021-EL- -	Churchill Falls Terminal Station (CHFTS) Interface Control Building Electrical Building Indoor and Outdoor Lighting - Plan View	A1	01	17-Jun-2015
MFA-AS-SD-4191-EL-D99-0001-01	LCA-CFA-315-ALS-800-076-AR- -	Churchill Falls Terminal Station # 2 (CHFTS2) GIS Building Electrical Fire Detection - Layout	A1	01	17-Jun-2015

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MFA-AS-SD-4362-PT-E99-0005-01	LCA-MFA-315-ALS-300-288-SL- -	MUSKRAT FALLS TERMINAL STATION #2 (MFATS2) Protection and Control Tripping Matrix Feeder -Converter Transformer Pole 1	A2	01	5-Jun-2015
MFA-AS-SD-4183-EL-D07-0003-01	LCA-CFE-735-ALS-400-037-SC- -	CHURCHILL FALLS TERMINAL STATION (CHFTS) Electrical CVT 800 kV Schematics	C1	03	19-Jun-2015
ILK-AS-SD-4560-PT-E06-0011-01	LCA-SOP-230-ALS-300-215-SC-01	SOLDIERS POND TERMINAL STATION (SOPTS) PROTECTION AND CONTROL LINE CONVERTER TRANSFORMER POLE 1 THREE-LINE DIAGRAM	A1	01	10-Jun-2015
MFA-AS-SD-4142-ME-D99-0005-01	LCA-CFA-315-ALS-800-046-ME- -	Churchill Falls Terminal Station # 2 (CHFTS2) Mechanical Fire Protection - Control Building Fire Extinguishing - Layout	A1	01	17-Jun-2015
ILK-AS-SD-4562-PT-E06-0006-01	LCA-SOP-230-ALS-300-154-SC- -	SOLDIERS POND TERMINAL STATION (SOPTS) Protection and Control Protection Panel Busbar B1 -System A Schematics	A1	01	21-May-2015
ILK-AS-SD-4584-EL-D07-0008-01	LCA-SOP-230-ALS-400-050-DW- -	SOLDIERS POND TERMINAL STATION (SOPTS) Electrical CT245kV Drawing Outline	A1	01	3-Jun-2015
ILK-AS-SD-4562-PT-E06-0007-01	LCA-SOP-230-ALS-300-155-SC- -	SOLDIERS POND TERMINAL STATION (SOPTS) Protection and Control Protection Panel Busbar B1 -System B Schematics	A1	01	10-Jun-2015
ILK-AS-SD-4584-EL-D07-0009-01	LCA-SOP-230-ALS-400-051-DW- -	SOLDIERS POND TERMINAL STATION (SOPTS) Electrical CT245kV Drawing Transport Plate	A1	01	3-Jun-2015
MFA-AS-SD-4110-CV-D99-0001-01	LCA-CFA-315-ALS-800-075-CW- -	Churchill Falls Terminal Station # 2 (CHFTS2) Civil Works - Foundations 735-315 kV Switchyard Layout	C1	03	15-Jun-2015

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ILK-AS-SD-4583-EL-D07-0001-01	LCA-SOP-230-ALS-400-046-ED- -	SOLDIERS POND TERMINAL STATION (SOPTS) Electrical CVT 245 kV General Arrangement	A2	02	19-Jun-2015
ILK-AS-SD-4583-EL-D07-0002-01	LCA-SOP-230-ALS-400-047-ED- -	SOLDIERS POND TERMINAL STATION (SOPTS) Electrical CVT 245 kV Nameplate	C1	02	19-Jun-2015
ILK-AS-SD-4530-CV-D06-0003-01	LCA-SOP-230-ALS-800-018-CW-01	SOLDIERS POND TERMINAL STATION (SOPTS) Control Building Cable Triage Trench Sections & Details - sht 1 of 2	C1	03	5-Jun-2015
MFA-AS-SD-4191-EL-D07-0001-01	LCA-CFA-315-ALS-400-015-ED- -	Churchill Falls Terminal Station # 2 (CHFTS2) Electrical GIS 315 kV Nameplates	A1	01	16-Jun-2015
ILK-AS-SD-4584-EL-D07-0001-01	LCA-SOP-230-ALS-400-050-GA- -	SOLDIERS POND TERMINAL STATION (SOPTS) Electrical CT 245 kV General Arrangement	C1	03	19-Jun-2015
ILK-AS-SD-4584-EL-D07-0002-01	LCA-SOP-230-ALS-400-051-ED- -	SOLDIERS POND TERMINAL STATION (SOPTS) Electrical CT 245 kV Nameplate	A2	02	19-Jun-2015
ILK-AS-SD-4584-EL-D07-0004-01	LCA-SOP-230-ALS-400-053-ED- -	SOLDIERS POND TERMINAL STATION (SOPTS) Electrical CT 245 kV Secondary Box	C1	03	19-Jun-2015
ILK-AS-SD-4530-CV-D06-0004-01	LCA-SOP-230-ALS-800-057-CW- _	SOLDIERS POND TERMINAL STATION (SOPTS) Control Building - Foundation Foundation Walls Sections & Details	C1	03	5-Jun-2015
MFA-AS-SD-4141-ME-C99-0004-01	LCA-CFA-315-ALS-800-050-ME- _	Churchill Falls Terminal Station # 2 (CHFTS2) Control Building Mechanical Notes and Legend	A1	01	19-Jun-2015

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MFA-AS-SD-4341-ME-C03-0001-01	LCA-MFA-315-ALS-800-098-ME-	Muskrat Falls Terminal Station # 2 (MFATS2) GIS Building Mechanical - HVAC Controls Schematic Diagrams	A1	01	19-Jun-2015
MFA-AS-SD-4141-ME-C03-0002-01	LCA-CFA-315-ALS-800-054-ME-01	Churchill Falls Terminal Station # 2 (CHFTS2) Control Building Mechanical - HVAC Controls Schematics Sht 1 of 4	A1	01	17-Jun-2015
MFA-AS-SD-4141-ME-C03-0002-02	LCA-CFA-315-ALS-800-054-ME-02	Churchill Falls Terminal Station # 2 (CHFTS2) Control Building Mechanical - HVAC Controls Schematics Sht 2 of 2	A1	01	17-Jun-2015
MFA-AS-SD-4141-ME-C03-0003-01	LCA-CFE-735-ALS-800-025-ME-	Churchill Falls Terminal Station (CHFTS) Interface Control Building Mechanical - HVAC Controls Schematic Diagrams	A1	01	17-Jun-2015
MFA-AS-SD-4340-ME-D99-0001-02	LCA-MFA-315-ALS-800-050-ME-02	Muskrat Falls Terminal Station # 2 (MFATS2) Control Building Mechanical - HVAC Controls Schematics Sht 2 of 2	A1	01	19-Jun-2015
MFA-AS-SD-4111-CV-D06-0007-06	LCA-CFA-315-ALS-800-005-CW-06	Churchill Falls Terminal Station # 2 (CHFTS2) Civil Works - Foundations 735-315 kV Transformers Sections & Reinforcement Details - sht 6 of 9	C1	01	2-Jun-2015
ILK-AS-SD-4560-PT-C05-0001-01	LCA-SOP-230-ALS-300-002-PT-	Soldiers Pond Terminal Station (SOPTS) Protection and Control Control System Architecture	A2	02	8-Jun-2015
MFA-AS-SD-4331-EL-D99-0012-01	LCA-MFA-315-ALS-800-034-ED-	Muskrat Falls Terminal Station # 2 (MFATS2) Control Building Electrical Building Indoor and Outdoor Lighting - Plan View	A1	01	17-Jun-2015
ILK-AS-SD-4550-EL-D99-0003-01	LCA-SOP-230-ALS-800-028-EL-	SOLDIERS POND TERMINAL STATION (SOPTS) Control Building Electrical Building Indoor and Outdoor Lighting - Details	A1	01	17-Jun-2015

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MFA-AS-SD-4131-EL-D99-0007-01	LCA-CFA-315-ALS-800-097-EL- -	Churchill Falls Terminal Station # 2 (CHFTS2) GIS Building Electrical Power Layout	A1	01	17-Jun-2015
MFA-AS-SD-4131-EL-D99-0016-01	LCA-CFA-315-ALS-800-183-ED- -	Churchill Falls Terminal Station # 2 (CHFTS2) Control Building Electrical Fire Detection - Layout	A1	01	17-Jun-2015
ILK-AS-SD-4531-EL-D99-0007-01	LCA-SOP-230-ALS-800-020-EL- -	SOLDIERS POND TERMINAL STATION (SOPTS) Control Building Electrical Power Layout	A1	01	17-Jun-2015
MFA-AS-SD-4150-EL-D99-0005-01	LCA-CFE-735-ALS-800-012-EL- -	Churchill Falls Terminal Station (CHFTS) Interface Control Building Electrical Power Layout	A1	01	17-Jun-2015
MFA-AS-SD-4360-PT-E06-0025-01	LCA-MFA-315-ALS-300-246-SC- -	MUSKRAT FALLS TERMINAL STATION #2 (MFATS2) Protection and Control Protection Panel TEE-T3 Three-Line Diagram	A1	01	8-Jun-2015
ILK-AS-SD-4557-EL-E99-0001-01	LCA-SOP-230-ALS-400-015-SL- -	SOLDIERS POND TERMINAL STATION (SOPTS) Electrical 125 Vdc Distribution Single Line Diagram	A3	03	5-Jun-2015
MFA-AS-SD-4330-AR-D99-0032-01	LCA-MFA-315-ALS-800-005-AR- -	Muskrat Falls Terminal Station # 2 (MFATS2) Control Building Architectural General Notes and Legend	A1	01	12-Jun-2015
MFA-AS-SD-4330-AR-D99-0026-01	LCA-MFA-315-ALS-800-010-AR- -	Muskrat Falls Terminal Station # 2 (MFATS2) Control Building Architectural Ceiling Plan View & Finished	A1	01	12-Jun-2015
MFA-AS-SD-4142-ME-D99-0004-01	LCA-CFE-735-ALS-800-026-ME- ME- -	Churchill Falls Terminal Station (CHFTS) Mechanical Fire Protection - Interface Control Building Fire Extinguishing - Layout	A1	01	19-Jun-2015

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LCP-AS-SD-4000-QC-Q99-0001-01	LCA-COM-000-ALS-000-034-QM- _	Equipment Critically Rating	A1	01	2-Jun-2015
ILK-AS-SD-4562-PT-E99-0010-01	LCA-SOP-230-ALS-300-251-SL- -	SOLDIERS POND TERMINAL STATION (SOPTS) Protection and Control Tripping Matrix Feeder T3	A1	01	17-Jun-2015
MFA-AS-SD-4130-AR-D99-0012-01	LCA-CFA-315-ALS-800-016-AR- -	Churchill Falls Terminal Station # 2 (CHFTS2) Control Building Architectural General Notes and Legend	A1	01	12-Jun-2015
MFA-AS-SD-4130-AR-D99-0003-01	LCA-CFA-315-ALS-800-077-AR- -	Churchill Falls Terminal Station # 2 (CHFTS2) GIS Building Architectural General Notes and Legend / Materials Specs	A1	01	12-Jun-2015
MFA-AS-SD-4130-AR-D99-0033-01	LCA-CFA-315-ALS-800-175-AR- -	Churchill Falls Terminal Station # 2 (CHFTS2) GIS Building Architectural Floor Plan View & Finishes	A1	01	12-Jun-2015
ILK-AS-SD-4562-PT-E05-0003-01	LCA-SOP-230-ALS-300-067-GA- -	SOLDIERS POND TERMINAL STATION (SOPTS) Protection and Control Protection Panel Busbar B1 -System B General Arrangement and Bill of Materials	A1	01	11-Jun-2015
ILK-AS-SD-4562-PT-E06-0003-01	LCA-SOP-230-ALS-300-152-SC- -	SOLDIERS POND TERMINAL STATION (SOPTS) Protection and Control Protection Panel Line TL-217 -System B Schematics	A1	01	21-May-2015
ILK-AS-SD-4562-PT-E99-0006-01	LCA-SOP-230-ALS-300-253-SL- -	SOLDIERS POND TERMINAL STATION (SOPTS) Protection and Control Tripping Matrix Feeder Harmonic Filters Pole 1	A1	01	17-Jun-2015
MFA-AS-SD-4330-AR-D99-0029-01	LCA-MFA-315-ALS-800-007-AR- 01	Muskrat Falls Terminal Station # 2 (MFATS2) Control Building Architectural Elevation Views - sht 1 of 3	A1	01	12-Jun-2015

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MFA-AS-SD-4330-AR-D99-0029-03	LCA-MFA-315-ALS-800-007-AR-03	Muskrat Falls Terminal Station # 2 (MFATS2) Control Building Architectural Elevation Views - sht 3 of 3	A1	01	12-Jun-2015
MFA-AS-SD-4330-AR-D99-0025-02	LCA-MFA-315-ALS-800-153-AR-02	Muskrat Falls Terminal Station # 2 (MFATS2) Control Building Architectural Building Sections CC / DD - sht 2 of 4	A1	01	12-Jun-2015
MFA-AS-SD-4330-AR-D99-0031-01	LCA-MFA-315-ALS-800-170-AR- -	Muskrat Falls Terminal Station # 2 (MFATS2) Control Building Architectural Floor Plan View	A1	01	12-Jun-2015
MFA-AS-SD-4330-AR-D99-0033-01	LCA-MFA-315-ALS-800-008-AR- -	Muskrat Falls Terminal Station # 2 (MFATS2) Control Building Architectural Roof Plan View	A1	01	12-Jun-2015
MFA-AS-SD-4330-AR-D99-0023-01	LCA-MFA-315-ALS-800-165-AR-01	Muskrat Falls Terminal Station # 2 (MFATS2) GIS Building Architectural Building Sections AA / BB / CC - Sht 1 of 2	A1	01	12-Jun-2015
MFA-AS-SD-4330-AR-D99-0023-02	LCA-MFA-315-ALS-800-165-AR-02	Muskrat Falls Terminal Station # 2 (MFATS2) GIS Building Architectural Building Sections CC / DD / EE - Sht 2 of 2	A1	01	12-Jun-2015
MFA-AS-SD-4131-EL-D99-0011-01	LCA-CFA-315-ALS-400-019-LT- -	Churchill Falls Terminal Station # 2 (CHFTS2) Electrical 315 kV GIS Building Layout - Plan view	A2	02	19-Jun-2015
MFA-AS-SD-4311-CV-D06-0005-06	LCA-MFA-315-ALS-800-083-CW-06	Muskrat Falls Terminal Station # 2 (MFATS2) Civil Works - Foundations Oil/Water Separator (OWS) Section & Details	C1	01	2-Jun-2015
ILK-AS-SD-4540-ME-D99-0001-01	LCA-SOP-230-ALS-800-045-ME- -	SOLDIERS POND TERMINAL STATION (SOPTS) Control Building Mechanical - Plumbing Potable Water and Sanitary Sewer- Layout	A1	01	17-Jun-2015

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MFA-AS-SD-4142-ME-D99-0003-01	LCA-CFA-315-ALS-800-058-ME- _	Churchill Falls Terminal Station # 2 (CHFTS2) Mechanical Fire Protection - Control Building Fire Extinguishing - Details	A1	01	17-Jun-2015
MFA-AS-SD-4111-CV-D06-0023-01	LCA-CFE-735-ALS-800-045-CW- _	Churchill Falls Terminal Station (CHFTS) Civil Works - Foundations 735 kV CT & CVT and SA Foundation Plan and Section Views	C1	03	12-Jun-2015
ILK-AS-SD-4511-CV-D06-0008-01	LCA-SOP-230-ALS-800-069-CW- _	SOLDIERS POND TERMINAL STATION (SOPTS) Civil Works - Foundations 230 kV CT, CVT & SA Foundations Plan and Section Views	C1	04	12-Jun-2015
ILK-AS-SD-4584-EL-D07-0003-01	LCA-SOP-230-ALS-400-052-SC- _	SOLDIERS POND TERMINAL STATION (SOPTS) Electrical CT 245 kV Schematics	C1	03	19-Jun-2015
MFA-AS-SD-4362-PT-E99-0001-01	LCA-MFA-315-ALS-300-284-SL- _	MUSKRAT FALLS TERMINAL STATION #2 (MFATS2) Protection and Control Tripping Matirx Feeder G1	A3	01	10-Jun-2015
MFA-AS-SD-4123-ST-D99-0001-01	LCA-CFE-735-ALS-400-016-LT- _	Churchill Falls Terminal Station (CHFTS) Electrical Lightning Shielding 735kV Switchyard Layout	A1	01	16-Jun-2015
MFA-AS-SD-4323-ST-D99-0001-01	LCA-MFA-315-ALS-400-019-LT- _	Muskrat Falls Terminal Station # 2 (MFATS2) Electrical Lightning Shielding 315 kV Switchyard, Plan View	A2	01	21-May-2015
MFA-AS-SD-4362-PT-E06-0023-01	LCA-MFA-315-ALS-300-191-SC- _	MUSKRAT FALLS TERMINAL STATION #2 (MFATS2) Protection and Control Protection Panel TEE-T1 -System B Schematics	A1	01	9-Jun-2015
MFA-AS-SD-4330-AR-D99-0028-01	LCA-MFA-315-ALS-800-014-AR- _	Muskrat Falls Terminal Station # 2 (MFATS2) Control Building Architectural Doors & Frames Schedule	A1	01	12-Jun-2015

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MFA-AS-SD-4141-ME-D99-0003-01	LCA-CFE-735-ALS-800-096-ME-	Churchill Falls Terminal Station (CHFTS) Interface Control Building Mechanical HVAC & piping details	A1	01	17-Jun-2015
MFA-AS-SD-4330-AR-D99-0008-03	LCA-MFA-315-ALS-800-071-AR-03	Muskrat Falls Terminal Station # 2 (MFATS2) GIS Building Architectural Construction Details - sht 3 of 5	A1	01	12-Jun-2015
ILK-AS-SD-4542-ME-D99-003-01	LCA-SOP-230-ALS-800-044-ME-	SOLDIERS POND TERMINAL STATION (SOPTS) Mechanical Fire Protection - Control building Fire Extinguishing - Schematics diagram	A1	01	17-Jun-2015
MFA-AS-SD-4340-ME-D99-0004-01	LCA-MFA-315-ALS-800-044-ME-	Muskrat Falls Terminal Station # 2 (MFATS2) Control Building Mechanical General Notes and Legend	A1	01	19-Jun-2015
ILK-AS-SD-4560-PT-E06-0005-01	LCA-SOP-230-ALS-300-142-PT-	SOLDIERS POND TERMINAL STATION (SOPTS) PROTECTION AND CONTROL LINE SYNCHRONOUS CONDENSER 3 THREE-LINE DIAGRAM	A1	01	18-Jun-2015
MFA-AS-SD-4184-EL-D07-0005-01	LCA-CFE-735-ALS-400-021-DW-	CHURCHILL FALLS TERMINAL STATION (CHFTS) Electrical 800 kV Current Transformer Drawing Transport Plate	A1	01	3-Jun-2015
MFA-AS-SD-4130-AR-D99-0002-03	LCA-CFA-315-ALS-800-014-AR-03	Churchill Falls Terminal Station # 2 (CHFTS2) Control Building Architectural Elevation View - sht 3 of 3	A1	01	12-Jun-2015
MFA-AS-SD-4130-AR-D99-0007-01	LCA-CFA-315-ALS-800-171-AR-01	Churchill Falls Terminal Station # 2 (CHFTS2) Control Building Architectural Building Sections AA / BB - sht 1 of 4	A1	01	12-Jun-2015
MFA-AS-SD-4311-CV-D06-0005-05	LCA-MFA-315-ALS-800-083-CW-05	Muskrat Falls Terminal Station # 2 (MFATS2) Civil Works - Foundations Oil/Water Separator (OWS) Plan, Sections & Details	A2	01	2-Jun-2015

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ILK-AS-SD-4562-PT-E99-0008-01	LCA-SOP-230-ALS-300-249-SL- -	SOLDIERS POND TERMINAL STATION (SOPTS) Protection and Control Tripping Matrix Feeder T1	A1	01	17-Jun-2015
ILK-AS-SD-4562-PT-E99-0005-01	LCA-SOP-230-ALS-300-252-SL- -	SOLDIERS POND TERMINAL STATION (SOPTS) Protection and Control Tripping Matrix Feeder Converter Transformer Pole 2	A1	01	17-Jun-2015
LCP-AS-SD-4000-PT-E99-0006-01	LCA-COM-000-ALS-300-006-TG- -	SUBSTATIONS - GENERAL Protection and Control SMCS Standard documentation - Configuration	A1	01	16-Jun-2015
LCP-AS-SD-4000-PT-E99-0007-01	LCA-COM-000-ALS-300-007-TG- -	SUBSTATIONS - GENERAL Protection and Control SMCS Standard documentation - Installation & Commissioning	A1	01	16-Jun-2015
LCP-AS-SD-4000-PT-E99-0008-01	LCA-COM-000-ALS-300-009-TG- -	SUBSTATIONS - GENERAL Protection and Control SMCS Standard documentation - Maintenance	A1	01	16-Jun-2015
LCP-AS-SD-4000-QA-Q03-0001-01	LCA-COM-000-ALS-005-007-QA- QA- -	Substation General _Site Quality Plan	A1	01	16-Jun-2015
MFA-AS-SD-4330-AR-D99-0029-02	LCA-MFA-315-ALS-800-007-AR- 02	Muskrat Falls Terminal Station # 2 (MFATS2) Control Building Architectural Elevation Views - sht 2 of 3	A1	01	12-Jun-2015
MFA-AS-SD-4330-AR-D99-0025-03	LCA-MFA-315-ALS-800-153-AR- 03	Muskrat Falls Terminal Station # 2 (MFATS2) Control Building Architectural Building Sections EE / FF - sht 3 of 4	A1	01	12-Jun-2015
MFA-AS-SD-4330-AR-D99-0034-01	LCA-MFA-315-ALS-800-169-AR- -	Muskrat Falls Terminal Station # 2 (MFATS2) Control Building Architectural Slab Plan View	A1	01	12-Jun-2015
MFA-AS-SD-4330-AR-D99-0024-01	LCA-MFA-315-ALS-800-166-AR- -	Muskrat Falls Terminal Station # 2 (MFATS2) GIS Building Architectural Walls & Roof Sections References	A1	01	12-Jun-2015

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MFA-AS-SD-4391-EL-B04-0002-01	LCA-MFA-315-ALS-400-001-LT- -	Muskrat Falls Terminal Station # 2 (MFATS2) Electrical GIS, 315 kV General Arrangement - Plan View	A2	02	21-May-2015
LCP-AS-SD-4000-ME-H99-0001-12	LCA-COM-000-ALS-800-013-ME- -	SUBSTATIONS GENERAL Mechanical Technical specifications VIBRATION AND SEISMIC CONTROLS FOR HVAC AND PLUMBING EQUIPMENT	A1	01	19-Jun-2015
MFA-AS-SD-4357-EL-G99-0002-01	LCA-MFA-315-ALS-300-275-SH- -	MUSKRAT FALLS TERMINAL STATION #2 (MFATS2) Electrical 125 Vdc Distribution DP125-B Breaker Schedule	A1	01	5-Jun-2015
ILK-AS-SD-4530-AR-D99-0015-01	LCA-SOP-230-ALS-800-005-AR- -	SOLDIERS POND TERMINAL STATION (SOPTS) Control Building Architectural Roof Plan View	A1	01	12-Jun-2015
MFA-AS-SD-4350-EL-D99-0001-01	LCA-MFA-315-ALS-400-045-ID- -	Muskrat Falls Terminal Station # 2 (MFATS2) Electrical Installation Details 315 kV Switchyard	A1	01	3-Jun-2015
MFA-AS-SD-4350-EL-B02-0002-01	LCA-MFA-315-ALS-400-057-LT- -	MUSKRAT FALLS TERMINAL STATION # 2 (MFATS2) ELECTRICAL 315 kV GIS BUILDING LAYOUT - PLAN VIEW	A2	04	19-Jun-2015
MFA-AS-SD-4130-AR-D99-0008-01	LCA-CFA-315-ALS-800-080-AR-01	Churchill Falls Terminal Station # 2 (CHFTS2) GIS Building Architectural Construction Details - sht 1 of 5	A1	01	12-Jun-2015
MFA-AS-SD-4130-AR-D99-0037-01	LCA-CFA-315-ALS-800-180-AR- -	Churchill Falls Terminal Station # 2 (CHFTS2) GIS Building Architectural Walls & Roof Sections References	A1	01	12-Jun-2015
MFA-AS-SD-4130-AR-D99-0007-02	LCA-CFA-315-ALS-800-171-AR-02	Churchill Falls Terminal Station # 2 (CHFTS2) Control Building Architectural Building Sections CC / DD- sht 2 of 4	A1	01	12-Jun-2015

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MFA-AS-SD-4191-EL-B04-0002-01	LCA-CFA-315-ALS-400-001-LT- -	Churchill Falls Terminal Station # 2 (CHFTS2) Electrical GIS, 315 kV General Arrangement - Plan View	A2	02	21-May-2015
MFA-AS-SD-4330-AR-D99-0027-01	LCA-MFA-315-ALS-800-011-AR-01	Muskrat Falls Terminal Station # 2 (MFATS2) Control Building Architectural Construction Details - sht 1 of 8	A1	01	12-Jun-2015
MFA-AS-SD-4330-AR-D99-0030-01	LCA-MFA-315-ALS-800-013-AR- -	Muskrat Falls Terminal Station # 2 (MFATS2) Control Building Architectural Finishes	A1	01	12-Jun-2015
MFA-AS-SD-4330-AR-D99-0035-01	LCA-MFA-315-ALS-800-171-AR- -	Muskrat Falls Terminal Station # 2 (MFATS2) Control Building Architectural Wood & Plastics / Views and Details	A1	01	12-Jun-2015
MFA-AS-SD-4330-AR-D99-0002-01	LCA-MFA-315-ALS-800-067-AR- -	Muskrat Falls Terminal Station # 2 (MFATS2) GIS Building Architectural General Notes and Legend / Materials Specs	A1	01	12-Jun-2015
MFA-AS-SD-4167-PT-G01-0001-01	LCA-CFA-315-ALS-300-164-BM- -	"CHURCHILL FALLS TERMINAL STATION #2 (CHFTS2) Control and Protection SMCS Equipment and Relays Bill Of Material"	A1	01	5-Jun-2015
ILK-AS-SD-4542-ME-D99-002-01	LCA-SOP-230-ALS-800-029-EL- -	SOLDIERS POND TERMINAL STATION (SOPTS) Mechanical Fire Protection - Control Building Fire Extinguishing - Layout	A1	01	17-Jun-2015
MFA-AS-SD-4341-ME-C99-0002-01	LCA-MFA-315-ALS-800-097-ME- -	Muskrat Falls Terminal Station # 2 (MFATS2) GIS Building Mechanical - HVAC Equipment & Ducts Layouts and Sections	A1	01	17-Jun-2015
MFA-AS-SD-4330-AR-D99-0020-01	LCA-MFA-315-ALS-800-162-AR- -	Muskrat Falls Terminal Station # 2 (MFATS2) GIS Building Architectural Floor Plan View & Finishes	A1	01	12-Jun-2015

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ILK-AS-SD-4530-AR-D99-0008-01	LCA-SOP-230-ALS-800-007-AR- -	SOLDIERS POND TERMINAL STATION (SOPTS) Control Building Architectural Ceiling Plan View & Finished	A1	01	12-Jun-2015
LCP-AS-SD-4000-PT-E99-0009-01	LCA-COM-000-ALS-300-010-TG- -	SUBSTATIONS - GENERAL Protection and Control SMCS Standard documentation - User guides	A1	01	16-Jun-2015
ILK-AS-SD-4530-AR-D99-0012-01	LCA-SOP-230-ALS-800-010-AR- -	SOLDIERS POND TERMINAL STATION (SOPTS) Control Building Architectural Finishes	A1	01	12-Jun-2015
ILK-AS-SD-4530-AR-D99-0010-01	LCA-SOP-230-ALS-800-011-AR- -	SOLDIERS POND TERMINAL STATION (SOPTS) Control Building Architectural Doors & Frames Schedule	A1	01	12-Jun-2015
MFA-AS-SD-4300-HS-A28-0001-01	LCA-MFA-000-ALS-009-001-HS- -	Muskkrat Falls Terminal Station - Site Specific Health & Safety Plan	B1	02	12-Jun-2015
MFA-AS-SD-4100-HS-A28-0001-01	LCA-CFA-000-ALS-013-001-HS- -	Churchill Falls Terminal Station #2 (CHFTS2) - Site Specific Health & Plan	B1	02	12-Jun-2015
ILK-AS-SD-4542-ME-D99-001-01	LCA-SOP-230-ALS-800-041-ME- -	SOLDIERS POND TERMINAL STATION (SOPTS) Mechanical Fire Protection - Control Building Fire Extinguishing - Details	A1	01	19-Jun-2015
MFA-AS-SD-4184-EL-D07-0002-01	LCA-CFE-735-ALS-400-014-DW- -	CHURCHILL FALLS TERMINAL STATION #2 (CHFTS2) Electrical 800 kV Current Transformer Drawing Schematic Wiring Diagram Plate	A1	01	3-Jun-2015
MFA-AS-SD-4184-EL-D07-0004-01	LCA-CFE-735-ALS-400-012-DW- -	CHURCHILL FALLS TERMINAL STATION (CHFTS) Electrical 800 kV Current Transformer Drawing Outline	A1	01	3-Jun-2015

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ILK-AS-SD-4530-AR-D99-0011-03	LCA-SOP-230-ALS-800-004-AR-03	SOLDIERS POND TERMINAL STATION (SOPTS) Control Building Architectural Elevation View -sht 3 of 3	A1	01	12-Jun-2015
MFA-AS-SD-4183-EL-D07-0004-01	LCA-CFE-735-ALS-400-038-ED-	CHURCHILL FALLS TERMINAL STATION (CHFTS) Electrical CVT 800 kV Secondary Box	C1	03	19-Jun-2015
ILK-AS-SD-4523-ST-D99-0002-01	LCA-SOP-230-ALS-400-027-SN-	Soldiers Pond Terminal Station (SOPTS) Electrical Lightning Shielding 230kV Switchyard - Section Views	A1	01	21-May-2015
MFA-AS-SD-4130-CV-D06-0003-02	LCA-CFE-735-ALS-800-010-CW-02	Churchill Falls Terminal Station (CHFTS) Interface Control Building Foundation Elevation & Details - sht 2 of 2	C1	03	18-Jun-2015
MFA-AS-SD-4111-CV-D06-0007-05	LCA-CFA-315-ALS-800-005-CW-05	Churchill Falls Terminal Station # 2 (CHFTS2) Civil Works - Foundations 735-315 kV Transformers Transformers T1 & T2 - Slab Reinforcement Reinforcement Details - sht 5 of 9	C1	01	2-Jun-2015
MFA-AS-SD-4111-CV-D06-0007-02	LCA-CFA-315-ALS-800-005-CW-02	Churchill Falls Terminal Station # 2 (CHFTS2) Civil Works - Foundations 735-315 kV Transformers Transformers T1 - Plan & Sections - sht - sht 2 of 9	C1	01	2-Jun-2015
ILK-AS-SD-4530-CV-D06-0002-01	LCA-SOP-230-ALS-800-016-CW-01	SOLDIERS POND TERMINAL STATION (SOPTS) Control Building Slab on grade Plan view and Details	C1	03	5-Jun-2015
MFA-AS-SD-4183-EL-D07-0006-01	LCA-CFA-735-ALS-400-010-ED-	CHURCHILL FALLS TERMINAL STATION# 2 (CHFTS2) Electrical CVT 800 kV Nameplate	C1	03	19-Jun-2015
MFA-AS-SD-4184-EL-D07-0012-01	LCA-CFA-735-ALS-400-019-DW-	CHURCHILL FALLS TERMINAL STATION #2 (CHFTS2) Electrical 800 kV Current Transformer Drawing Schematic Wiring Diagram	A1	01	3-Jun-2015

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		Plate			
MFA-AS-SD-4111-CV-D06-0022-01	LCA-CFA-315-ALS-800-156-CW- _	Churchill Falls Terminal Station # 2 (CHFTS2) Civil Works - Foundations 735 kV - Post Insulator & Surge Arrestor Plan and Sections Views	C1	03	12-Jun-2015
MFA-AS-SD-4141-ME-C03-0001-01	LCA-CFA-315-ALS-800-111-ME- _	Churchill Falls Terminal Station # 2 (CHFTS2) GIS Building Mechanical - HVAC Controls Schematic Diagrams	A1	01	17-Jun-2015
	LCA-CFE-735-ALS-800-024-ME- _	Churchill Falls Terminal Station (CHFTS) Interface Control Building HVAC Equipment & ducts layouts and sections	A1	01	17-Jun-2015
MFA-AS-SD-4130-AR-D99-0027-01	LCA-CFA-315-ALS-800-019-AR- _	Churchill Falls Terminal Station # 2 (CHFTS2) Control Building Architectural Ceiling Plan View & Finished	A1	01	12-Jun-2015
MFA-AS-SD-4130-AR-D99-0006-01	LCA-CFA-315-ALS-800-020-AR- 01	Churchill Falls Terminal Station # 2 (CHFTS2) Control Building Architectural Construction Details - sht 1 of 8	A1	01	12-Jun-2015
ILK-AS-SD-4560-PT-E06-0010-01	LCA-SOP-230-ALS-300-213-SC- _	SOLDIERS POND TERMINAL STATION (SOPTS) PROTECTION AND CONTROL LINE HARMONIC FILTERS POLE 1 THREE-LINE DIAGRAM	A1	01	18-Jun-2015
MFA-AS-SD-4330-AR-D99-0004-01	LCA-MFA-315-ALS-800-069-AR- 01	Muskrat Falls Terminal Station # 2 (MFATS2) GIS Building Architectural Elevation Views - sht 1 of 2	A1	01	12-Jun-2015
MFA-AS-SD-4330-AR-D99-0004-02	LCA-MFA-315-ALS-800-069-AR- 02	Muskrat Falls Terminal Station # 2 (MFATS2) GIS Building Architectural Elevation Views - sht 2 of 2	A1	01	12-Jun-2015

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MFA-AS-SD-4362-PT-E06-0003-01	LCA-MFA-315-ALS-300-178-SC- -	MUSKRAT FALLS TERMINAL STATION #2 (MFATS2) Protection and Control Protection Panel Busbar B1 -System A Schematics	A1	01	29-May-2015
MFA-AS-SD-4130-AR-D99-0021-01	LCA-CFA-315-ALS-800-121-SE- -	Churchill Falls Terminal Station # 2 (CHFTS2) GIS Building Structural Elevations	c1	04	19-Jun-2015
MFA-AS-SD-4130-AR-D99-0022-01	LCA-CFA-315-ALS-800-122-SE- -	Churchill Falls Terminal Station # 2 (CHFTS2) GIS Building Structural Crane Girder Plan & Details	C1	04	19-Jun-2015
MFA-AS-SD-4365-PT-G01-0001-01	LCA-MFA-315-ALS-300-354-BM- -	MUSKRAT FALLS TERMINAL STATION #2 (MFATS2) Protection and Control SMCS Equipment and Relays Bill Of Material	A1	01	5-Jun-2015
MFA-AS-SD-4130-CV-D99-0003-01	LCA-CFA-315-ALS-800-029-CW-01	Churchill Falls Terminal Station # 2 (CHFTS2) Control Building - Foundation Foundation Walls Sections & Details	C1	03	15-Jun-2015
MFA-AS-SD-4111-CV-D06-0007-03	LCA-CFA-315-ALS-800-005-CW-03	Churchill Falls Terminal Station # 2 (CHFTS2) Civil Works - Foundations 735-315 kV Transformers Transformers T2 - Plan & Sections - sht 3 of 9	C1	01	23-May-2015
MFA-AS-SD-4111-CV-D06-0007-04	LCA-CFA-315-ALS-800-005-CW-04	Churchill Falls Terminal Station # 2 (CHFTS2) Civil Works - Foundations 735-315 kV Transformers Spare Transformers - Plan, Sections & Details - sht 4 of 9	C1	01	2-Jun-2015
ILK-AS-SD-4583-EL-D07-0003-01	LCA-SOP-230-ALS-400-049-SC- -	SOLDIERS POND TERMINAL STATION (SOPTS) Electrical CVT 245 kV Schematics	C1	03	19-Jun-2015
MFA-AS-SD-4111-CV-D06-0007-07	LCA-CFA-315-ALS-800-005-CW-07	Churchill Falls Terminal Station # 2 (CHFTS2) Civil Works - Foundations 735-315 kV Transformers Sections & Reinforcement Details - sht 7 of 9	C1	01	2-Jun-2015

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ILK-AS-SD-4531-EL-D99-0006-01	LCA-SOP-230-ALS-800-019-EL- -	SOLDIERS POND TERMINAL STATION (SOPTS) Control Building Electrical General Notes and Legend	A1	01	17-Jun-2015
MFA-AS-SD-4153-EL-D99-0007-01	LCA-CFA-315-ALS-800-044-EL- -	Churchill Falls Terminal Station # 2 (CHFTS2) Control Building Electrical Building Indoor and Outdoor Lighting - Plan View	A1	01	17-Jun-2015
MFA-AS-SD-4131-EL-D99-0006-01	LCA-CFA-315-ALS-800-096-EL- -	Churchill Falls Terminal Station # 2 (CHFTS2) GIS Building Electrical General Notes and Legend	A1	01	17-Jun-2015
MFA-AS-SD-4131-EL-D99-0009-01	LCA-CFA-315-ALS-800-101-EL- -	Churchill Falls Terminal Station # 2 (CHFTS2) GIS Building Electrical Building Indoor and Outdoor Lighting - Plan View	A1	01	17-Jun-2015
MFA-AS-SD-4331-EL-D99-0007-01	LCA-MFA-315-ALS-800-089-ED- -	Muskrat Falls Terminal Station # 2 (MFATS2) GIS Building Electrical Building Indoor and Outdoor Lighting - Plan View	A1	01	17-Jun-2015
MFA-AS-SD-4331-EL-D99-0015-01	LCA-MFA-315-ALS-800-027-ED- -	Muskrat Falls Terminal Station # 2 (MFATS2) Control Building Electrical Power Layout	A1	01	17-Jun-2015
MFA-AS-SD-4130-EL-D99-0001-01	LCA-CFA-315-ALS-800-036-EL- -	Churchill Falls Terminal Station # 2 (CHFTS2) Control Building Electrical General Notes and Legend	A1	01	17-Jun-2015
ILK-AS-SD-4531-EL-D99-0005-01	LCA-SOP-315-ALS-800-112-ED- -	SOLDIERS POND TERMINAL STATION (SOPTS) Control Building Electrical Fire Detection - Layout	A1	01	17-Jun-2015
ILK-AS-SD-4562-PT-E06-0004-01	LCA-SOP-230-ALS-300-202-SC- -	SOLDIERS POND TERMINAL STATION (SOPTS) Protection and Control Protection Panel Line TL-217 Three-Line Diagram	A2	02	1-Jun-2015

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ILK-AS-SD-4553-EL-D99-0002-01	LCA-SOP-230-ALS-400-028-LT- -	Soldiers Pond Terminal Station (SOPTS) Electrical Grounding Grounding Grid Layout - AC Switchyard	A1	01	21-May-2015
MFA-AS-SD-4150-EL-D99-0004-01	LCA-CFA-735-ALS-400-007-ID- -	Churchill Falls Terminal Station # 2 (CHFTS2) Electrical Installation Details 735-315 kV Switchyard	A1	01	28-May-2015
MFA-AS-SD-4153-EL-D99-0002-01	LCA-CFE-735-ALS-400-008-LT- -	Churchill Falls Terminal Station (CHFTS) Electrical Grounding Grounding Grid Layout - 735 kV Switchyard	A1	01	5-Jun-2015
MFA-AS-SD-4150-EL-B06-0003-01	LCA-CFE-735-ALS-400-039-DW- _	Churchill Falls Terminal Station (CHFTS) Electrical Trenches, Cable ducts and Conduits 735 kV Switchyard – Installation Details	A1	A	16-Jun-2015
MFA-AS-SD-4141-ME-D99-0001-01	LCA-CFA-315-ALS-800-238-ME- _	Churchill Falls Terminal Station # 2 (CHFTS2) Control Building Mechanical HVAC & piping details	A1	01	17-Jun-2015
MFA-AS-SD-4311-CV-D06-0005-04	LCA-MFA-315-ALS-800-083-CW-04	Muskrat Falls Terminal Station # 2 (MFATS2) Civil Works - Foundations 315-138 kV Transformers & Containment Pits Sections & Details	C1	01	2-Jun-2015
MFA-AS-SD-4184-EL-D07-0011-01	LCA-CFA-735-ALS-400-018-DW- _	CHURCHILL FALLS TERMINAL STATION #2 (CHFTS2) Electrical 800 kV Current Transformer Drawing Rating Plate	A1	01	3-Jun-2015
ILK-AS-SD-4584-EL-D07-0007-01	LCA-SOP-230-ALS-400-049-DW- _	SOLDIERS POND TERMINAL STATION (SOPTS) Electrical CT245kV Drawing Secondary Terminal Box	A1	01	3-Jun-2015
ILK-AS-SD-4562-PT-E05-0001-01	LCA-SOP-230-ALS-300-064-GA- -	SOLDIERS POND TERMINAL STATION (SOPTS) Protection and Control Protection Panel Line TL-217 -System	A2	02	1-Jun-2015

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		A General Arrangement and Bill of Materials			
ILK-AS-SD-4584-EL-D07-0006-01	LCA-SOP-230-ALS-400-048-SC- -	SOLDIERS POND TERMINAL STATION (SOPTS) Electrical CT245kV Drawing Schematic Wiring Diagram Plate	A1	01	3-Jun-2015
LCP-AS-SD-4000-PM-A99-0004-01	LCA-COM-000-ALS-000-100-PL- -	Project Inspection and Test Plan	A1	01	5-Jun-2015
ILK-AS-SD-4530-CV-D06-0006-01	LCA-SOP-230-ALS-800-015-CW-02	SOLDIERS POND TERMINAL STATION (SOPTS) Control Building Foundation General Layout – Sht 2 of 2	C1	03	5-Jun-2015
LCP-AS-SD-4000-ME-H99-0001-04	LCA-COM-000-ALS-800-005-ME- -	SUBSTATIONS GENERAL Mechanical Technical specifications HVAC AIR HANDLING UNITS	A1	01	17-Jun-2015
LCP-AS-SD-4000-ME-H99-0001-02	LCA-COM-000-ALS-800-003-ME- -	SUBSTATIONS GENERAL Mechanical Technical specifications FIRE SUPPRESSION	A1	01	17-Jun-2015
MFA-AS-SD-4191-EL-D99-0002-02	LCA-CFA-315-ALS-800-015-AR-02	Churchill Falls Terminal Station # 2 (CHFTS2) GIS Building Architectural Elevation Views - sht 2 of 2	A1	01	12-Jun-2015
MFA-AS-SD-4130-CV-D99-0002-02	LCA-CFA-315-ALS-800-028-CW-02	Churchill Falls Terminal Station # 2 (CHFTS2) Control Building Walls Sections and Details	C1	03	15-Jun-2015
ILK-AS-SD-4530-AR-D99-0011-02	LCA-SOP-230-ALS-800-004-AR-02	SOLDIERS POND TERMINAL STATION (SOPTS) Control Building Architectural Elevation View - sht 2 of 3	A1	01	12-Jun-2015
MFA-AS-SD-4180-EL-D99-0005-01	LCA-CFA-315-ALS-400-006-CN- -	Churchill Falls Terminal Station # 2 (CHFTS2) Electrical 315 kV Insulation Coordination Note	A1	01	1-Jun-2015

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ILK-AS-SD-4558-EL-D99-0001-01	LCA-SOP-ACA-ALS-600-001-LT- -	SOLDIERS POND TERMINAL STATION (SOPTS) Electrical Yard Lighting Luminaire Layout and Schedule	A1	01	8-Jun-2015
MFA-AS-SD-4353-EL-D99-0010-01	LCA-CFA-315-ALS-800-188-AR- -	Churchill Falls Terminal Station # 2 (CHFTS2) Control Building Architectural Wood & Plastics / Views and Details	A1	01	12-Jun-2015
MFA-AS-SD-4130-AR-D99-0034-01	LCA-CFA-315-ALS-800-176-AR- -	Churchill Falls Terminal Station # 2 (CHFTS2) GIS Building Architectural Under Slab Ceiling Plan View	A1	01	12-Jun-2015
MFA-AS-SD-4130-AR-D99-0035-01	LCA-CFA-315-ALS-800-177-AR- -	Churchill Falls Terminal Station # 2 (CHFTS2) GIS Building Architectural Roof Plan View	A1	01	12-Jun-2015
MFA-AS-SD-4130-AR-D99-0040-01	LCA-CFA-315-ALS-800-186-AR- -	Churchill Falls Terminal Station # 2 (CHFTS2) Control Building Architectural Slab Plan View	A1	01	12-Jun-2015
MFA-AS-SD-4130-AR-D99-0038-01	LCA-CFA-315-ALS-800-187-AR- -	Churchill Falls Terminal Station # 2 (CHFTS2) Control Building Architectural Floor Plan View	A1	01	12-Jun-2015
MFA-AS-SD-4184-EL-D07-0010-01	LCA-CFE-735-ALS-400-034-ED- -	CHURCHILL FALLS TERMINAL STATION (CHFTS) Electrical 800 kV Current Transformer Drawing Transport Plate	A1	01	3-Jun-2015
MFA-AS-SD-4183-EL-D07-0008-01	LCA-CFA-735-ALS-400-012-ED- -	CHURCHILL FALLS TERMINAL STATION# 2 (CHFTS2) Electrical CVT 800 kV Secondary Box	C1	03	19-Jun-2015
MFA-AS-SD-4184-EL-D07-0015-01	LCA-CFA-735-ALS-400-022-DW- _	CHURCHILL FALLS TERMINAL STATION #2 (CHFTS2) Electrical 800 kV Current Transformer Drawing Transport Plate	A1	01	3-Jun-2015

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MFA-AS-SD-4183-EL-D07-0007-01	LCA-CFA-735-ALS-400-011-SC- -	CHURCHILL FALLS TERMINAL STATION# 2 (CHFTS2) Electrical CVT 800 kV Schematics	C1	03	19-Jun-2015
MFA-AS-SD-4142-ME-D99-0006-01	LCA-CFE-735-ALS-800-015-EL- -	Churchill Falls Terminal Station (CHFTS) Mechanical Fire Protection - Interface Control Building Fire Extinguishing - Details	A1	01	17-Jun-2015
MFA-AS-SD-4111-CV-D06-0006-01	LCA-CFE-735-ALS-800-044-CW-01	Churchill Falls Terminal Station (CHFTS) Civil Works - Foundations Disconnect Switches Plan and Section Views	C1	03	12-Jun-2015
ILK-AS-SD-4511-CV-D06-0007-01	LCA-SOP-230-ALS-800-074-CW- _	SOLDIERS POND TERMINAL STATION (SOPTS) Civil Works - Foundations Post Insulators Plan, Sections & Details	C1	04	12-Jun-2015
ILK-AS-SD-4511-CV-D06-0011-01	LCA-SOP-230-ALS-800-067-CW-01	SOLDIERS POND TERMINAL STATION (SOPTS) Civil Works - Foundations 230 kV Circuit Breakers (GL 314) Plan, Sections & Details - sht 1 of 2	C1	04	18-Jun-2015
ILK-AS-SD-4511-CV-D06-0009-01	LCA-SOP-230-ALS-800-068-CW- _	SOLDIERS POND TERMINAL STATION (SOPTS) Civil Works - Foundations 230 kV Disconnect Switches Foundation Plan, Sections & Details	C1	04	18-Jun-2015
MFA-AS-SD-4111-CV-D06-0021-01	LCA-CFA-315-ALS-800-155-CW- _	Churchill Falls Terminal Station # 2 (CHFTS2) Civil Works - Foundations 735 kV CT & CVT Plan & Section Views	C1	03	12-Jun-2015
MFA-AS-SD-4130-AR-D99-0023-01	LCA-CFA-315-ALS-800-123-SE- -	Churchill Falls Terminal Station # 2 (CHFTS2) GIS Building Structural Interior Elevations	C1	01	19-Jun-2015
MFA-AS-SD-4391-EL-Q03-0001-01	LCA-COM-315-ALS-005-001-QA- _	Muskrat Falls Terminal Station # 2 (MFATS2) Electrical 362 kV GIS Circuit Breaker Quality Plan	A1	01	5-Jun-2015

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MFA-AS-SD-4362-PT-E99-0007-01	LCA-MFA-315-ALS-300-290-SL- -	MUSKRAT FALLS TERMINAL STATION #2 (MFATS2) Protection and Control Tripping Matrix Feeder Harmonic Filters Pole 1	A2	01	5-Jun-2015
LCP-AS-SD-4000-PM-A99-0001-01	LCA-COM-000-ALS-000-003-CR- -	Project Organizational Chart	A1	01	11-Jun-2015
ILK-AS-SD-4511-CV-B06-0001-03	LCA-SOP-230-ALS-800-056-CW-03	SOLDIERS POND TERMINAL STATION (SOPTS) Civil Works - Foundations 230 kV Switchyard Layout South Area	C1	01	12-Jun-2015
MFA-AS-SD-4130-AR-D99-0020-01	LCA-CFA-315-ALS-800-120-SE- -	Churchill Falls Terminal Station # 2 (CHFTS2) GIS Building Structural Roof and Bottom Chord Plan	C1	04	19-Jun-2015
ILK-AS-SD-4523-ST-D99-0001-01	LCA-SOP-230-ALS-400-026-LT- -	Soldiers Pond Terminal Station (SOPTS) Electrical Lightning Shielding 230kV Switchyard, Plan View	A1	01	21-May-2015
MFA-AS-SD-4130-AR-D99-0010-01	LCA-CFA-315-ALS-800-081-AR- -	Churchill Falls Terminal Station # 2 (CHFTS2) GIS Building Architectural Shutter door / Doors & Frames Schedule	A1	01	12-Jun-2015
MFA-AS-SD-4184-EL-D07-0006-01	LCA-CFE-735-ALS-400-030-ED- -	CHURCHILL FALLS TERMINAL STATION (CHFTS) Electrical 800 kV Current Transformer Drawing Rating Plate	A1	01	3-Jun-2015
MFA-AS-SD-4184-EL-D07-0013-01	LCA-CFA-735-ALS-400-020-DW- _	CHURCHILL FALLS TERMINAL STATION #2 (CHFTS2) Electrical 800 kV Current Transformer Drawing Secondary Terminal Box	A1	01	3-Jun-2015
ILK-AS-SD-4562-PT-E06-0001-01	LCA-SOP-230-ALS-300-151-SC- -	SOLDIERS POND TERMINAL STATION (SOPTS) Protection and Control Protection Panel Line TL-217 -System A Schematics	A2	02	1-Jun-2015

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MFA-AS-SD-4142-ME-D99-0009-01	LCA-CFE-315-ALS-800-059-ME- _	Churchill Falls Terminal Station (CHFTS) Mechanical Fire Protection - Interface Control Building Fire Extinguishing - Schematics	A1	01	17-Jun-2015
MFA-AS-SD-4341-M-D99-0001-01	LCA-MFA-315-ALS-800-222-ME- _	Muskrat Falls Terminal Station # 2 (MFATS2) Control Building Mechanical HVAC & piping details	A1	01	17-Jun-2015
MFA-AS-SD-4341-ME-D99-0002-01	LCA-MFA-315-ALS-800-223-ME- _	Muskrat Falls Terminal Station # 2 (MFATS2) GIS Building Mechanical HVAC & piping details	A1	01	17-Jun-2015
MFA-AS-SD-4350-EL-D99-0003-01	LCA-MFA-315-ALS-800-173-ED- -	Muskrat Falls Terminal Station # 2 (MFATS2) GIS Building Electrical Fire Detection - Layout	A1	01	17-Jun-2015
ILK-AS-SD-4562-PT-E99-0001-01	LCA-SOP-230-ALS-300-248-SL- -	SOLDIERS POND TERMINAL STATION (SOPTS) Protection and Control Tripping Matrix Transmission Line TL217	A1	01	22-May-2015
MFA-AS-SD-4184-EL-D07-0001-01	LCA-CFE-735-ALS-400-013-DW- _	CHURCHILL FALLS TERMINAL STATION #2 (CHFTS2) Electrical 800 kV Current Transformer Drawing Rating Plate	A1	01	3-Jun-2015
MFA-AS-SD-4111-CV-D06-0010-01	LCA-CFE-735-ALS-800-040-CW- _	Churchill Falls Terminal Station (CHFTS) Civil Works - Foundations 735 kV Lightning Pole Plan, Sections & Details	C1	03	12-Jun-2015
MFA-AS-SD-4391-EL-M99-0001-01	LCA-COM-315-ALS-005-002-QC- -	Muskrat Falls Terminal Station # 2 (MFATS2) Electrical 362 kV GIS Circuit Breaker Inspection & Test Plan	A1	01	9-Jun-2015
MFA-AS-SD-4357-EL-G99-0001-01	LCA-MFA-315-ALS-300-274-SH- -	MUSKRAT FALLS TERMINAL STATION #2 (MFATS2) Electrical 125 Vdc Distribution DP125-A Breaker Schedule	A1	01	5-Jun-2015

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MFA-AS-SD-4130-AR-D06-0004-01	LCA-CFA-315-ALS-800-027-CW-02	Churchill Falls Terminal Station # 2 (CHFTS2) Control Building Foundation General Layout & Elevation	C1	03	15-Jun-2015
MFA-AS-SD-4184-EL-D07-0003-01	LCA-CFE-735-ALS-400-015-DW-_-	CHURCHILL FALLS TERMINAL STATION #2 (CHFTS2) Electrical 800 kV Current Transformer Drawing Secondary Terminal Box	A1	01	3-Jun-2015
MFA-AS-SD-4311-CV-D06-0005-02	LCA-MFA-315-ALS-800-083-CW-02	Muskrat Falls Terminal Station # 2 (MFATS2) Civil Works - Foundations 315-138 kV Transformers & Containment Pits Plan & Sections	A2	01	23-May-2015
MFA-AS-SD-4153-EL-H42-0001-01	LCA-CFA-315-ALS-700-002-SY-_-	Churchill Falls Terminal Station # 2 (CHFTS2) Electrical Grounding Study Report	A1	01	10-Jun-2015
MFA-AS-SD-4353-EL-D99-0003-01	LCA-MFA-315-ALS-400-021-ID-_-	Muskrat Falls Terminal Station # 2 (MFATS2) 315 kV AC Switchyard Grounding Grid Grounding details	A1	01	4-Jun-2015
MFA-AS-SD-4342-ME-D99-0002-01	LCA-MFA-315-ALS-800-100-ME-_-	Muskrat Falls Terminal Station # 2 (MFATS2) Mechanical Fire Protection - GIS Building Fire extinguishing - Layout	A1	01	17-Jun-2015
MFA-AS-SD-4342-ME-D99-0003-01	LCA-MFA-315-ALS-800-056-ME-_-	Muskrat Falls Terminal Station # 2 (MFATS2) Control Building Mechanical - Plumbing Potable Water and Sanitary Sewer - Layout	A1	01	17-Jun-2015
ILK-AS-SD-4550-EL-D99-0002-01	LCA-SOP-230-ALS-400-017-ID-_-	Soldiers Pond Terminal Station (SOPTS) Electrical Trenches, Cable Ducts and Conduits 230kV Switchyard - Installation Details	A1	01	22-May-2015
ILK-AS-SD-4550-EL-B06-0001-01	LCA-SOP-230-ALS-400-018-LT-_-	Soldiers Pond Terminal Station (SOPTS) Electrical Trenches, Cable Ducts and Conduits 230kV Switchyard - Layout	A1	01	22-May-2015

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ILK-AS-SD-4530-CV-D06-0003-02	LCA-SOP-230-ALS-800-018-CW-02	SOLDIERS POND TERMINAL STATION (SOPTS) Control Building Foundation Sections & Details - sht 2 of 2	C1	03	5-Jun-2015
ILK-AS-SD-4557-EL-G99-0002-01	LCA-SOP-230-ALS-300-240-SH-	SOLDIERS POND TERMINAL STATION (SOPTS) Electrical 125 Vdc Distribution DP125-B Breaker Schedule	A1	01	5-Jun-2015
MFA-AS-SD-4153-EL-E99-0001-01	LCA-CFA-315-ALS-300-010-SL-01	CHURCHILL FALLS TERMINAL STATION #2 (CHFTS2) Electrical MV Switchgear 13.8 kV Single Line Diagram	A2	02	28-May-2015
MFA-AS-SD-4130-CV-D06-0003-01	LCA-CFE-735-ALS-800-010-CW-01	Churchill Falls Terminal Station (CHFTS) Interface Control Building Foundation Construction Details - sht 1 of 2	C1	03	18-Jun-2015
MFA-AS-SD-4130-CV-D99-0004-01	LCA-CFA-315-ALS-800-031-CW-01	Churchill Falls Terminal Station # 2 (CHFTS2) Control Building Cable Triage Trench Sections & Details	C1	03	15-Jun-2015
MFA-AS-SD-4330-AR-D99-0008-01	LCA-MFA-315-ALS-800-071-AR-01	Muskrat Falls Terminal Station # 2 (MFATS2) GIS Building Architectural Construction Details - sht 1 of 5	A1	01	12-Jun-2015
MFA-AS-SD-4330-AR-D99-0008-02	LCA-MFA-315-ALS-800-071-AR-02	Muskrat Falls Terminal Station # 2 (MFATS2) GIS Building Architectural Construction Details - sht 2 of 5	A1	01	12-Jun-2015
MFA-AS-SD-4330-AR-D99-0021-01	LCA-MFA-315-ALS-800-163-AR-	Muskrat Falls Terminal Station # 2 (MFATS2) GIS Building Architectural Under Slab Ceiling Plan View	A1	01	12-Jun-2015
ILK-AS-SD-4562-PT-E99-0004-01	LCA-SOP-230-ALS-300-243-SL-	SOLDIERS POND TERMINAL STATION (SOPTS) Protection and Control Tripping Matrix Feeder Converter Transformer Pole 1	A1	01	17-Jun-2015

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MFA-AS-SD-4150-EL-B06-0001-01	LCA-CFA-315-ALS-400-017-LT- -	Churchill Falls Terminal Station # 2 (CHFTS2) Electrical Trenches, Cable Ducts and Conduits 735-315kV Switchyard - Layout	A1	01	21-May-2015
MFA-AS-SD-4153-EL-D99-0003-01	LCA-CFA-315-ALS-400-020-LT- -	Churchill Falls Terminal Station # 2 (CHFTS2) Electrical Grounding Grounding Grid Layout - 735-315 kV Switchyard	A1	01	28-May-2015
MFA-AS-SD-4150-EL-D99-0001-01	LCA-CFE-735-ALS-400-010-ID- -	Churchill Falls Terminal Station (CHFTS) Electrical Installation Details 735 kV Switchyard	A1	01	28-May-2015
MFA-AS-SD-4353-EL-D99-0002-01	LCA-MFA-315-ALS-400-016-LT- -	Muskrat Falls Terminal Station # 2 (MFATS2) Electrical Grounding Grounding Grid Layout - 315 kV Switchyard	A1	01	28-May-2015
ILK-AS-SD-4565-PT-G01-0001-01	LCA-SOP-230-ALS-300-330-BM- -	SOLDIERS POND TERMINAL STATION (SOPTS) Protection and Control SMCS Equipment and Relays Bill Of Material	A1	01	5-Jun-2015
ILK-AS-SD-4584-EL-D07-0005-01	LCA-SOP-230-ALS-400-047-DW- -	SOLDIERS POND TERMINAL STATION (SOPTS) Electrical CT245kV Drawing Rating Plate	A1	01	3-Jun-2015
ILK-AS-SD-4560-PT-E06-0003-01	LCA-SOP-230-ALS-300-140-PT-01	"SOLDIERS POND TERMINAL STATION (SOPTS) PROTECTION AND CONTROL LINE SYNCHRONOUS CONDENSER 1 THREE-LINE DIAGRAM	A1	01	10-Jun-2015
LCP-AS-SD-4000-EN-A99-0002-01	LCA-COM-000-ALS-000-005-PL- -	Engineering Management Plan	A1	01	28-May-2015
MFA-AS-SD-4165-PT-G09-0001-01	LCA-CFA-315-ALS-300-110-LS- -	CHURCHILL FALLS TERMINAL STATION #2 (CHFTS2) Protection and Control Fault Recorder I/O List	A1	01	9-Jun-2015

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MFA-AS-SD-4180-EL-D99-0006-01	LCA-CFE-735-ALS-400-026-SY- -	Churchill Falls Terminal Ttation Station (CHFTS) - Electrical/Lightning Protection Study	A1	01	16-Jun-2015
ILK-AS-SD-4583-EL-D07-0004-01	LCA-SOP-230-ALS-400-049-ED- -	SOLDIERS POND TERMINAL STATION (SOPTS) Electrical CVT 245 kV Secondary Box	A1	01	19-Jun-2015
MFA-AS-SD-4323-ST-D99-0002-01	LCA-MFA-315-ALS-400-020-SN- -	Muskrat Falls Terminal Station # 2 (MFATS2) Electrical Lightning Shielding 315 kV Switchyard, Section Views	A1	01	21-May-2015
MFA-AS-SD-4330-CV-D06-0005-01	LCA-MFA-315-ALS-800-078-CW- -	Muskrat Falls Terminal Station # 2 (MFATS2) GIS Building - Foundation Structural Slab Plan View, Sections and Details	A2	01	26-May-2015
ILK-AS-SD-4562-PT-E06-0005-01	LCA-SOP-230-ALS-300-138-PT- -	SOLDIERS POND TERMINAL STATION (SOPTS) Protection and Control 230 kV Busbar B1 Three-Line Diagram	A1	01	10-Jun-2015
MFA-AS-SD-4141-ME-C99-0001-01	LCA-CFA-315-ALS-800-107-ME- -	Churchill Falls Terminal Station # 2 (CHFTS2) GIS Building Mechanical Notes and Legend	A1	01	17-Jun-2015
ILK-AS-SD-4540-ME-D99-0002-01	LCA-SOP-230-ALS-800-033-ME- -	SOLDIERS POND TERMINAL STATION (SOPTS) Control Building Mechanical General Notes and Legend	A1	01	17-Jun-2015
MFA-AS-SD-4142-ME-D99-0001-01	LCA-CFA-315-ALS-800-181-ME- -	Churchill Falls Terminal Station # 2 (CHFTS2) GIS Building Fire protection Fire Extinguishing - Layout	A1	01	17-Jun-2015
ILK-AS-SD-4541-ME-D99-0001-01	LCA-SOP-230-ALS-800-150-ME- -	SOLDIERS POND TERMINAL STATION (SOPTS) Control Building Mechanical HVAC & piping details	A1	01	17-Jun-2015

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MFA-AS-SD-4357-EL-E99-0001-01	LCA-MFA-315-ALS-300-013-SL- -	MUSKRAT FALLS TERMINAL STATION #2 (MFATS2) - Electrical Single Line Diagram 125 Vdc Distribution	A2	02	15-Jun-2015
LCP-AS-SD-4000-PM-A06-0006-01	LCA-COM-000-ALS-000-045-RP- -	Monthly Progress Report - April 2015	B1	02	15-Jun-2015
MFA-AS-SD-4183-EL-D07-0005-01	LCA-CFA-735-ALS-400-009-GA- -	CHURCHILL FALLS TERMINAL STATION# 2 (CHFTS2) Electrical CVT 800 kv General Arrangement	C1	03	19-Jun-2015
MFA-AS-SD-4184-EL-D07-0014-01	LCA-CFA-735-ALS-400-021-DW- -	CHURCHILL FALLS TERMINAL STATION #2 (CHFTS2) Electrical 800 kv Current Transformer Drawing Outline	A1	01	3-Jun-2015
MFA-AS-SD-4130-AR-D99-0019-01	LCA-CFA-315-ALS-800-119-SE- -	Churchill Falls Terminal Station # 2 (CHFTS2) GIS Building Structural Base Plate Plan	C1	04	19-Jun-2015
ILK-AS-SD-4530-AR-D99-0011-01	LCA-SOP-230-ALS-800-004-AR- -	SOLDIERS POND TERMINAL STATION (SOPTS) Control Building Architectural Elevation Views -sht 1 of 3	A1	01	12-Jun-2015
MFA-AS-SD-4330-AR-D99-0025-01	LCA-MFA-315-ALS-800-153-AR-01	Muskrat Falls Terminal Station # 2 (MFATS2) Control Building Architectural Building Sections AA / BB - sht 1 of 4	A1	01	12-Jun-2015
MFA-AS-SD-4362-PT-E06-0004-01	LCA-MFA-315-ALS-300-179-SC- -	MUSKRAT FALLS TERMINAL STATION #2 (MFATS2) Protection and Control Protection Panel Busbar B1 -System B Schematics	A1	01	29-May-2015
MFA-AS-SD-4362-PT-E06-0022-01	LCA-MFA-315-ALS-300-190-SC- -	MUSKRAT FALLS TERMINAL STATION #2 (MFATS2) Protection and Control Protection Panel TEE-T1 -System A Schematics	A1	01	5-Jun-2015

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MFA-AS-SD-4360-PT-G09-0001-01	LCA-MFA-315-ALS-300-355-LS- -	MUSKRAT FALLS TERMINAL STATION #2 (MFATS2) Protection and Control I/O List	A1	01	5-Jun-2015
MFA-AS-SD-4311-CV-D06-0003-01	LCA-MFA-315-ALS-800-125-CW- _	Muskrat Falls Terminal Station # 2 (MFATS2) Civil Works - Foundations Lightning Pole Plan, Sections & Details	C1	02	12-Jun-2015
LCP-AS-SD-4000-QA-Q07-0001-01	LCA-COM-000-ALS-005-004-SH- -	Substations General Internal Audit Schedule	A1	01	15-Jun-2015
MFA-AS-SD-4130-AR-D99-0008-02	LCA-CFA-315-ALS-800-080-AR- 02	Churchill Falls Terminal Station # 2 (CHFTS2) GIS Building Architectural Construction Details - sht 2 of 5	A1	01	12-Jun-2015
MFA-AS-SD-4111-CV-D06-0005-01	LCA-CFE-735-ALS-800-043-CW- _	Churchill Falls Terminal Station (CHFTS) Civil Works - Foundations 735 kV Circuit Breakers GL318 Plan, Sections & Details	C1	03	12-Jun-2015
MFA-AS-SD-4111-CV-D06-0019-01	LCA-CFA-315-ALS-800-153-CW- 01	Churchill Falls Terminal Station # 2 (CHFTS2) Civil Works - Foundations Disconnect Switches Foundation Plan and Section Views	C1	03	12-Jun-2015
MFA-AS-SD-4111-CV-D06-0020-01	LCA-CFA-315-ALS-800-154-CW- _	Churchill Falls Terminal Station # 2 (CHFTS2) Civil Works - Foundations Circuit Breakers CB GL318 Plan, Sections & Details	C1	03	18-Jun-2015
MFA-AS-SD-4111-CV-D06-0018-01	LCA-CFA-315-ALS-800-128-CW- _	Churchill Falls Terminal Station # 2 (CHFTS2) Civil Works - Foundations 315 kV Insulator & Surge Arrestor Foundations Plan and Section Views	C1	03	12-Jun-2015
ILK-AS-SD-4511-CV-B06-0001-01	LCA-SOP-230-ALS-800-056-CW- 01	SOLDIERS POND TERMINAL STATION (SOPTS) Civil Works - Foundations 230 kV Switchyard General Layout	C1	04	12-Jun-2015

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MFA-AS-SD-4350-EL-E03-0001-01	LCA-MFA-315-ALS-400-037-SL- -	Muskrat Falls Terminal Station # 2 (MFATS2) Electrical Single Line Diagram	A2	02	22-May-2015
LCP-AS-SD-4000-ME-H99-0001-01	LCA-COM-000-ALS-800-002-ME- -	SUBSTATIONS GENERAL Mechanical Technical specifications COMMON WORK RESULTS FOR HVAC	A1	01	19-Jun-2015
ILK-AS-SD-4562-PT-E99-0007-01	LCA-SOP-230-ALS-300-254-SL- -	SOLDIERS POND TERMINAL STATION (SOPTS) Protection and Control Tripping Matrix Feeder Harmonic Filters Pole 2	A1	01	17-Jun-2015
ILK-AS-SD-4541-ME-C03-0003-02	LCA-SOP-230-ALS-800-037-ME-02	SOLDIERS POND TERMINAL STATION (SOPTS) Control Building Mechanical Mechanical - HVAC Controls Schematic Diagrams - Sht 2 of 2	A1	01	17-Jun-2015
MFA-AS-SD-4331-EL-D99-0010-01	LCA-MFA-315-ALS-800-086-ED- -	Muskrat Falls Terminal Station # 2 (MFATS2) GIS Building Electrical Power Layout	A1	01	17-Jun-2015
ILK-AS-SD-4583-EL-Q03-0001-01	LCA-SOP-230-ALS-005-007-QA- -	SOLDIERS POND TERMINAL STATION (SOPTS) Electrical Electrical 245 kV Capacitor Voltage Transformer Quality Plan	A1	01	17-Jun-2015
MFA-AS-SD-4331-EL-D99-0014-01	LCA-MFA-315-ALS-800-161-ED- -	Muskrat Falls Terminal Station # 2 (MFATS2) Control Building Electrical General Notes and Legend	A1	01	17-Jun-2015
MFA-AS-SD-4391-EL-D07-0001-01	LCA-MFA-315-ALS-400-011-ED- -	Muskrat Falls Terminal Station # 2 (MFATS2) Electrical GIS 315 kV Nameplates	A1	01	16-Jun-2015
ILK-AS-SD-4560-PT-E06-0004-01	LCA-SOP-230-ALS-300-141-PT- -	SOLDIERS POND TERMINAL STATION (SOPTS) PROTECTION AND CONTROL LINE SYNCHRONOUS CONDENSER 2 THREE-LINE DIAGRAM	A1	01	10-Jun-2015

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MFA-AS-SD-4130-CV-D99-0002-01	LCA-CFA-315-ALS-800-028-CW-01	Churchill Falls Terminal Station # 2 (CHFTS2) Control Building Slab on grade Plan view and Details	C1	03	15-Jun-2015
MFA-AS-SD-4123-ST-D99-0003-01	LCA-CFE-735-ALS-400-017-SN- -	Churchill Falls Terminal Station (CHFTS) Electrical Lightning Shielding 735kV Switchyard Section Views	A1	01	16-Jun-2015
MFA-AS-SD-4130-AR-D99-0002-01	LCA-CFA-315-ALS-800-014-AR-01	Churchill Falls Terminal Station # 2 (CHFTS2) Control Building Architectural Elevation Views - sht 1 of 3	A1	01	12-Jun-2015
MFA-AS-SD-4130-AR-D99-0002-02	LCA-CFA-315-ALS-800-014-AR-02	Churchill Falls Terminal Station # 2 (CHFTS2) Control Building Architectural Elevation View - sht 2 of 3	A1	01	12-Jun-2015
MFA-AS-SD-4130-AR-D99-0007-03	LCA-CFA-315-ALS-800-171-AR-03	Churchill Falls Terminal Station # 2 (CHFTS2) Control Building Architectural Building Sections EE / FF - sht 3 of 4	A1	01	12-Jun-2015
MFA-AS-SD-4130-AR-D99-0042-01	LCA-CFE-315-ALS-800-061-AR- -	Churchill Falls Terminal Station (CHFTS) Interface Control Building Architectural Slab Plan View & Floor Plan View	A1	01	12-Jun-2015
MFA-AS-SD-4130-AR-D99-0043-01	LCA-CFE-315-ALS-800-088-AR- -	Churchill Falls Terminal Station (CHFTS) Interface Control Building Architectural Building Sections AA / BB	A1	01	12-Jun-2015
MFA-AS-SD-4130-AR-D99-0030-01	LCA-CFE-735-ALS-800-002-AR- -	Churchill Falls Terminal Station (CHFTS) Interface Control Building Architectural Roof Plan View & Elevation Views	A1	01	12-Jun-2015
MFA-AS-SD-4191-EL-D99-0002-01	LCA-CFA-315-ALS-800-015-AR-01	Churchill Falls Terminal Station # 2 (CHFTS2) GIS Building Architectural Elevation Views - sht 1 of 2	A1	01	12-Jun-2015

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MFA-AS-SD-4130-AR-D99-0036-01	LCA-CFA-315-ALS-800-179-AR-01	Churchill Falls Terminal Station # 2 (CHFTS2) GIS Building Architectural Building Sections AA / BB - Sht 1 of 2	A1	01	12-Jun-2015
MFA-AS-SD-4130-AR-D99-0036-02	LCA-CFA-315-ALS-800-179-AR-02	Churchill Falls Terminal Station # 2 (CHFTS2) GIS Building Architectural Building Sections CC / DD / EE - Sht 2 of 2	A1	01	12-Jun-2015
MFA-AS-SD-4183-EL-D07-0002-01	LCA-CFE-735-ALS-400-036-ED-	CHURCHILL FALLS TERMINAL STATION (CHFTS) Electrical CVT 800 kV Nameplate	C1	03	19-Jun-2015
MFA-AS-SD-4184-EL-D07-0007-01	LCA-CFE-735-ALS-400-031-SC-	CHURCHILL FALLS TERMINAL STATION (CHFTS) Electrical 800 kV Current Transformer Drawing Schematic Wiring Diagram Plate	A1	01	3-Jun-2015
MFA-AS-SD-4183-EL-D07-0001-01	LCA-CFE-735-ALS-400-035-GA-	CHURCHILL FALLS TERMINAL STATION (CHFTS) Electrical CVT 800 kV General Arrangement	C1	03	19-Jun-2015
MFA-AS-SD-4184-EL-D07-0009-01	LCA-CFE-735-ALS-400-033-ED-	CHURCHILL FALLS TERMINAL STATION (CHFTS) Electrical 800 kV Current Transformer Drawing Outline	A1	01	3-Jun-2015
LCP-AS-SD-4000-PT-E99-0012-01	LCA-COM-000-ALS-360-001-TS-	SUBSTATIONS - GENERAL Protection and Control Revenue Meters Technical Specification	A1	01	9-Jun-2015
MFA-AS-SD-4160-PT-E08-0005-01	LCA-COM-315-ALS-300-006-PD-	SUBSTATIONS – GENERAL PROTECTION AND CONTROL BLOCK DIAGRAM 315KV INTERTRIP AND TELEPROTECTION	A2	01	27-May-2015
MFA-AS-SD-4130-CV-D06-0002-01	LCA-CFE-735-ALS-800-008-CW-	Churchill Falls Terminal Station (CHFTS) Interface Control Building Foundation Sections & Details	C1	03	18-Jun-2015

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MFA-AS-SD-4130-AR-D99-0044-01	LCA-CFE-315-ALS-800-058-AR- -	Churchill Falls Terminal Station (CHFTS) Interface Control Building Architectural Ceiling Plan View & Finished	A1	01	12-Jun-2015
MFA-AS-SD-4130-AR-D99-0031-01	LCA-CFE-735-ALS-800-004-AR-01	Churchill Falls Terminal Station (CHFTS) Interface Control Building Architectural Construction Details - sht 1 of 3	A1	01	12-Jun-2015
MFA-AS-SD-4330-AR-D99-0010-01	LCA-MFA-315-ALS-800-073-AR- -	Muskrat Falls Terminal Station # 2 (MFATS2) GIS Building Architectural Shutter door / Doors & Frames Schedule	A1	01	12-Jun-2015
MFA-AS-SD-4330-AR-D99-0022-01	LCA-MFA-315-ALS-800-164-AR- -	Muskrat Falls Terminal Station # 2 (MFATS2) GIS Building Architectural Roof Plan View	A1	01	12-Jun-2015
ILK-AS-SD-4500-HS-A28-0001-01	LCA-SOP-000-ALS-010-001-HS- -	Soldiers Pond Terminal Station (SOPTS) - Site Specific Health & Safety Plan	B1	02	12-Jun-2015
MFA-AS-SD-4141-ME-C99-0003-01	LCA-CFA-315-ALS-800-110-ME- ME- -	Churchill Falls Terminal Station # 2 (CHFTS2) GIS Building Mechanical - HVAC Equipment & Ducts Layouts and Sections	A1	01	17-Jun-2015
LCP-AS-SD-4000-ME-H99-0001-10	LCA-COM-000-ALS-800-011-ME- ME- -	SUBSTATIONS GENERAL Mechanical Technical specifications PLUMBING	A1	01	17-Jun-2015
ILK-AS-SD-4560-PT-E06-0014-01	LCA-SOP-230-ALS-300-212-SC- -	SOLDIERS POND TERMINAL STATION (SOPTS) PROTECTION AND CONTROL LINE HARMONIC FILTERS POLE 2 THREE-LINE DIAGRAM	A1	01	18-Jun-2015
ILK-AS-SD-4553-EL-D99-0003-01	LCA-SOP-230-ALS-400-024-ID- -	Soldiers Pond Terminal Station (SOPTS) Electrical Grounding 230kV Switchyard Grounding details	A1	01	4-Jun-2015

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ILK-AS-SD-4557-EL-H41-0001-01	LCA-SOP-230-ALS-300-059-CN- -	SOLDIERS POND TERMINAL STATION (SOPTS) Electrical LV DC Distribution Design Calculation	A2	02	25-May-2015
ILK-AS-SD-4557-EL-G99-0001-01	LCA-SOP-230-ALS-300-239-SH- -	SOLDIERS POND TERMINAL STATION (SOPTS) Electrical 125 Vdc Distribution DP125-A Breaker Schedule	A1	01	5-Jun-2015
MFA-AS-SD-4142-ME-D99-0008-01	LCA-MFA-315-ALS-800-036-ED- -	Muskrat Falls Terminal Station # 2 (MFATS2) Mechanical Fire Protection - Control Building Fire Extinguishing - Layout	A1	01	17-Jun-2015
MFA-AS-SD-4141-ME-C99-0006-01	LCA-CFA-315-ALS-800-053-ME- -	Churchill Falls Terminal Station # 2 (CHFTS2) Control Building Mechanical - HVAC Equipment & Ducts Layouts	A1	01	17-Jun-2015
ILK-AS-SD-4541-ME-C03-0001-01	LCA-SOP-230-ALS-800-036-ME- -	SOLDIERS POND TERMINAL STATION (SOPTS) Control Building Mechanical - HVAC Equipment & Ducts Layouts	A1	01	17-Jun-2015
MFA-AS-SD-4130-AR-D99-0039-01	LCA-CFA-315-ALS-800-189-AR- -	Churchill Falls Terminal Station # 2 (CHFTS2) Control Building Architectural Roof Plan View & Elevation Views	A1	01	12-Jun-2015
MFA-AS-SD-4150-EL-D99-0003-01	LCA-CFE-735-ALS-800-011-EL- -	Churchill Falls Terminal Station (CHFTS) Interface Control Building Electrical General Notes and Legend	A1	01	17-Jun-2015
MFA-AS-SD-4111-CV-B06-0002-01	LCA-CFE-735-ALS-800-034-CW- -	Churchill Falls Terminal Station (CHFTS) Civil Works - Foundations 735 kV Switchyard Layout	C1	03	12-Jun-2015
MFA-AS-SD-4131-EL-D99-0015-01	LCA-CFE-315-ALS-800-062-ED- -	Churchill Falls Terminal Station (CHFTS) Interface Control Building Electrical Fire Detection - Layout	A1	01	17-Jun-2015

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MFA-AS-SD-4300-PM-A99-0001-01	LCA-MFA-000-ALS-009-004-PL- -	Muskrat Falls Terminal Station (MFATS2) Mobilization Plan	B1	03	11-Jun-2015
MFA-AS-SD-4300-PM-A99-0001-01	LCA-MFA-000-ALS-009-004-PL- -	Muskrat Falls Terminal Terminal Station#2 (MFATS#2) Mobilisation Plan	A2	02	3-Jun-2015
MFA-AS-SD-4311-CV-0016-01	LCA-MFA-315-ALS-800-122-CW- -	Muskrat Falls Terminal Station # 2 (MFATS2) Civil Works - Foundations 315 kV CSE & SA Foundations Plan and Section Views	C1	02	18-Jun-2015



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APPENDIX 4- CHANGE ORDER / CHANGE REQUEST REGISTER

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APPENDIX 5- CORRESPONDENCE REGISTER

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APPENDIX 6- 3-MONTH SCHEDULE LOOK AHEAD FOR ENGINEERING, PROCUREMENT AND CONSTRUCTION

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APPENDIX 7- PROCUREMENT PLAN

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APPENDIX 8- PERMIT REGISTER

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APPENDIX 9- SCHEDULE UPDATE

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APPENDIX 10 – HOLD REGISTER

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