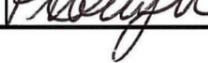


Period Ending: 25 July 2015
Currency : \$ CAD

		MF	LITL	LTA	LCP	LCP (Previous Month)
Base Estimate + Escalation	A	2,674,309,066	2,523,121,031	637,207,172	5,834,637,269	5,834,637,269
Contingency	B	226,849,222	86,627,861	54,375,314	367,852,397	367,852,397
Original Control Budget (OCB)	C = A+B	2,901,158,288	2,609,748,892	691,582,486	6,202,489,666	6,202,489,666
Approved Scope changes (PCNs)	D	609,267,728	204,109,468	166,028,156	979,405,352 ⁽³⁾	959,055,269
Current Control Budget (Excluding Contingency)	E = A+D	3,283,576,794	2,727,230,499	803,235,328	6,814,042,621	6,793,692,538
Deviations from CCB	F	-7,660,745	3,760,699	3,827,780	-72,266 ⁽³⁾	920,728
Forecasted Available Contingency	G	96,072,632	55,489,299	24,881,963	176,443,894	195,800,983
Final Forecast Cost (FFC)	I = E+F+G	3,371,988,681	2,786,480,497	831,945,071	6,990,414,249 ⁽¹⁾	6,990,414,249
FFC - OCB	I - C	470,830,393	176,731,605	140,362,585	787,924,583	787,924,583

Notes:

1. The Final Forecasted Cost includes the cost impact of executed LNTP's, Contracts, PO costs and contingency
2. Refer to "Forecast Variation" documents for details

Prepared by:	Name	Signature	Date
Lead Cost Controller	George Chehab		18-Aug-2015
Approved by:			
Project Control Manager	Anthony Embury		16-Aug-15
Deputy General Project Manager	Jason Kean		19-Aug-2015
General Project Manager	Ron Power		19-Aug-2015
Project Director	Paul Harrington		20-Aug-2015



Incurred highlights – July 2015

1. Monthly incurred

Planned Incurred: 200,3 M

Incurred: 197.7 M

Variance: (2.6) M

Main Causes:

- MF: (3.6) M (Mainly due to better than expected activity with Astaldi and the North Spur contracts, less than expected activity with Andritz and the reservoir clearing contracts)
- LTA: +11 M (mainly due to better than expected activity in the ac TL, more than planned Owner's cost)
- LIL: (10) M (Mainly due to less than expected activity in the converter stations and the dc TL)

2. Yearly Incurred (2015)

Yearly budget requested from Nalcor Management for 2015: 2,211 M

Incurred yearly to date: 940 M

Forecast for 2015: 2,053 M

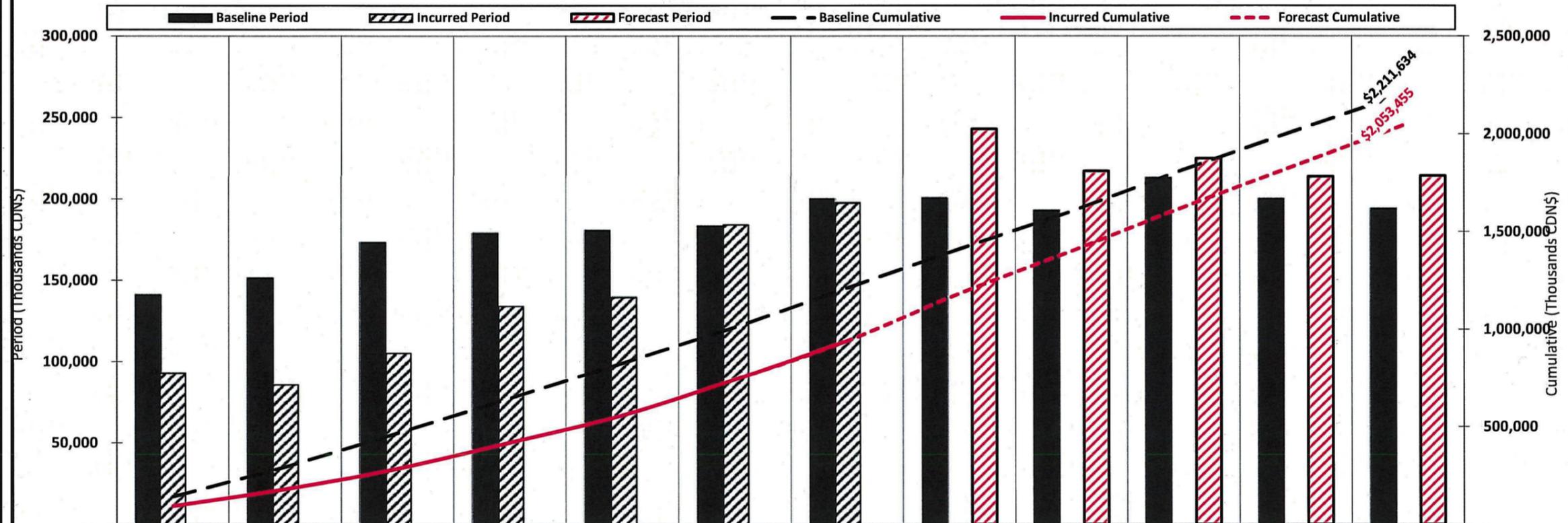
Variance (Forecast vs planned) : (158) M (7.2%)

- MF: (46) M (Mainly related to Astaldi's contract and later than planned award of the North and South Dams contract, more than planned Owner's cost)
- LTA: 111 M (Mainly caused by better than expected activity on the ac TL (Valard) and the switchyards, more than planned Owner's cost)
- LIL: (223) M (Mainly due to lower than expected activity in the dc TL and the converters, more than planned Owner's cost)



LCP Phase I - Muskrat Falls Generation, Lab. Island Transmission Link, Lab Tx Asset
 Current Year Control Budget (Baseline), Incurred and Forecast Cost (Capital only)

For Period Ending: 25-July-2015



Period	Jan-15	Feb-15	Mar-15	Apr-15	May-15	Jun-15	Jul-15	Aug-15	Sep-15	Oct-15	Nov-15	Dec-15
Baseline	141,203	151,472	173,375	179,171	180,886	183,553	200,328	200,841	193,020	213,014	200,467	194,303
Incurred	92,888	85,939	105,321	134,176	139,689	184,185	197,736					
Forecast								243,071	217,195	224,977	213,876	214,399
Cumulative												
Baseline ⁽¹⁾	141,203	292,675	466,050	645,221	826,107	1,009,661	1,209,989	1,410,830	1,603,849	1,816,864	2,017,331	2,211,634
Incurred	92,888	178,827	284,148	418,324	558,014	742,199	939,935					
Forecast								1,183,006	1,400,201	1,625,179	1,839,055	2,053,455

(1) This baseline represents the 2015 budget approved by Nalcor board on November 2014 as per the AFE rev1 values



Jul-15

Potential Deviations

C.P.	Package Description	Variation Description	Previous Cumulative	Monthly Variance	Total Potential	Comments	CM Ref.	Trend / CN / Sch. ref.
C1								
Scope change								
SH0019	Security services	Adjustment of the Non Working to Working Ratios as per the recent ruling by arbitrator	3,290,560	-2,000,000	1,290,560	Recent ruling by arbitrator says the ratio of Supervisors to Workers is not adequate, creating a snowball effect and may be necessary to hire 3 more positions (3 positions = 2 full time)		T-0864
SH0019	Security services	Adding ERT paid positions	14,500,000		14,500,000	ERT maintained as paid positions 4 day and 4 on nights plus the advisor (Estimated up to June 2018), strategy may change in fall	DAN-995	T-0864
SH0019	Security services	Adjustment to forecast (Outside the ERT and the recent ruling by arbitrator)	4,500,000		4,500,000	Estimate Security up to June of 2018. This balance is the total Security Forecast minus the ERT positions and arbitration decision for Nonworking to working ratios	DAN-995	T-0864
SH0022	Fuel Supply	Forecast increase due to Conversion error in O&M cost from bid to contract in addition to price adjustment	2,215,310		2,215,310	Based on latest estimate; possible back charge to Astaldi for cost of transport included in his contract scope	DAN-1206	CR#1 & T-856
CH0007	Intake, Powerhouse, Spillway and Transition Dams	Back charge to Astaldi for cost of transport included in his contract scope	-2,215,310		-2,215,310	BC#0006. -\$322k to date. \$2.2M on completion		T-1014
SH0022	Fuel Supply	Diesel for MF Site (Security shack, Camp backups, equip, light plants) and C3 contractors	900,000		900,000	MF Site Consumption for Nalcor owned equipment not included in forecast update		T-856
SH0040	Garbage removal and waste collection	Additional servicing of portable toilets, Transfer of sewage sludge to St. John's	1,700,000	-700,000	1,000,000	A strainer system is to be put to reduce liquid volume	DAN-995	T-0864
SH0041	Personnel transport	Overall increase based on monthly certificate received so far	2,000,000	3,000,000	5,000,000	Increased in the number of personnel coming from GB	DAN-1131	T-0802
SH0051	Building maintenance	Expected Increase of cost after site services review	2,800,000		2,800,000		DAN-1357	T-1072
CH0008	North Spur Stabilization works	Bypass Haul road at the North Spur	175,000	-175,000	0	Forecasted	DAN-1246	T-1184
CH0008	North Spur Stabilization works	Revisions to Power Supply for Group Gilbert	200,000	-200,000	0	Forecasted	DAN-1382	T-1185
CH0007	Intake, Powerhouse, Spillway and Transition Dams	Maintenance of wash cars	10,000,000		10,000,000	Pricing was agreed with Astaldi, then rescinded. Being re-negotiated again Estimate from Astaldi is ~\$300K/month in latest submission.		T-1098
SH0018	Catering and janitorial	Increase in camp population and increase in maintenance requirements	10,700,000	20,100,000	30,800,000	latest estimate (13.5 M for maintenance labour and 17.3 M for Catering)	DAN-1357	T-1072
Various	Various service contracts	Provide services for C3 team (LIL setion)	10,500,000		10,500,000	estimate	DAN-1086/1159	T-899/969 /1137
Various	Various service contracts	Provide services for C3 team (LTA setion)	7,000,000		7,000,000	estimate	DAN-1086/1159	T-899/969 /1137
Various	Various service contracts	provide rooms at the GB base due to space limitation in the camp	under study		under study	Based on current utilization, does not seem to be a issue for 2015		
CH0049	Log booms	Optimization of Package CH0049		-500,000	-500,000		DAN-1031	T-0942
CH0030	Turbine and generators	Supervision of PH Primary Embedment Placement	250,000		250,000		DAN-1217	T-1135
CH0033	Powerhouse Cranes	Storage and preservation of cranes (6 Months)	180,000	-180,000	0	Forecasted		CN-002
CH0007	Intake, Powerhouse, Spillway and Transition Dams	Storage and preservation of cranes (6 Months)	-180,000		-180,000	Need BC#	DAN-1496	T-1153
CH0007	Intake, Powerhouse, Spillway and Transition Dams	Back charge to Astaldi for transport from Camp to Workface	-139,125	139,125	0	Forecasted as per BC # 5	DAN-1131	T-0802
CH0007	Intake, Powerhouse, Spillway and Transition Dams	Back charge to Astaldi for Embeded Guide & Associated Hardware Storage		-1,000,000	-1,000,000	Need BC#	DAN-1494	T-1224
CH0007	Intake, Powerhouse, Spillway and Transition Dams	Andritz to manage primary anchor inventory off-site	-455,428		-455,428	to be back charged to Astaldi, 455 k is the cost for Andritz. BC #008	DAN-1101	T-0891
CH0007	Intake, Powerhouse, Spillway and Transition Dams	Temporary power by generator due to unavailability of construction power	under study	100,000	100,000			T-1120
			67,921,007	18,584,125	86,505,132			
Design Development								
CH0007	Intake, Powerhouse, Spillway and Transition Dams	Instrumentation at Muskrat Falls	325,000		325,000		DAN-0627	T-0917
CH0007	Intake, Powerhouse, Spillway and Transition Dams	lighting and small power for Spillway gallery	60,000		60,000		DAN-0973	T-0916
CH0007	Intake, Powerhouse, Spillway and Transition Dams	Primary anchor movement during the concrete pouring	-119,000	119,000	0	Forecasted as per BC #0009	DAN-1100	T-1099
CH0007	Intake, Powerhouse, Spillway and Transition Dams	Extension required on the east end of the south transition dam because actual bedrock surface is lower than anticipated	220,000		220,000		DAN-0592	T-0468
CH0007	Intake, Powerhouse, Spillway and Transition Dams	Concrete Temperature Control	under study	0	0	No extra cost anticipated	DAN-0747	T-0676
CH0032	Hydro-Mechanical Equipment	Primary concrete block out dimension changes	543,000	-543,000	0	Forecasted	DAN685/686	CN-17
CH0032	Hydro-Mechanical Equipment	Primary anchor movement during the concrete pouring	119,000	-119,000	0	Forecasted	DAN-1100	CN-018
CH0032	Hydro-Mechanical Equipment	Embedded Guide & Associated Hardware Storage	1,000,000		1,000,000	Internal estimate	DAN-1494	T-1081
CH0032	Hydro-Mechanical Equipment	Spillway Wiring and Control Modifications		under study	under study	Possible slight scope reduction therefore limited impact if any	DAN-1458	T-1219



Jul-15

Potential Deviations

C.P.	Package Description	Variation Description	Previous Cumulative	Monthly Variance	Total Potential	Comments	CM Ref.	Trend / CN / Sch. ref.
CH0030	Turbine and generators	Storage requirements (Montreal for 1 year) and management of Outdoor Site Storage of Components		5,000,000	5,000,000	as per contractor quotes	DAN-1118 / 1495 / 1416 / 1495	CN-048 T-1091/1092/ 1194/1186
CH0030	Turbine and generators	Protection and Control Additional Auxiliary Cabinets Multiplying Relays Local Control Panels Generator Neautral Cubical NEMA Rating Powerhouse Movement Monuments and Monitoring Oil Fill and Drain Line for TGB Auxiliary Tripping Relays Additional loads for unit distribution panels Cable colour and fibre optic conduit Generation rejection Relocation of FT Switches & Lockout Relays Interlocks Powerhouse - Switchyard Addition of Ethernet Switch to Andritz Panels VT fuse location Switchyard 125 VDC feeder	5,500,000	-2,841,440	2,658,560	Changes requested by Andritz for an overall value of \$ 2.7 M, under evaluation and review	DAN-1427 / 1272 / 1120 / 1169 / 1116 / 1376 / 1377 / 1378 / 1222 / 1498 / 1225 / 1375 / 1170	T-1229 / 1157 / 1134 / 1089 / 1093 / 1060 / 1168 / 1061 / 1043 / CN 034 / 036 / 049 / 055 / 052 / 034
CH0031	Mechanical and Electrical Auxiliaries	Changes to the Dewatering/Drainage Sump for Operability & Maintainability supply of clean oil between runner access and storage area fire suppression system for PH battery and charger room PVC conduit added to trench running from PH to SY Lighting modifications cable tray network update Mechanical shaft access Overall value engineering	-3,250,000		-3,250,000	internal estimate, Value engineering to be confirmed	DAN-303/630/ 601/777/ 808/883/884/ 1151	T- 0638/726/476/8 27/830/683
			4,398,000	1,615,560	6,013,560			
Errors & Omissions								
Purchase orders and Construction contracts execution								
CH0006	Bulk excavation	Increase in dispute cost	3,000,000		3,000,000	6 M reserved in budget		T-1026
CH0003	Admin buildings	Dispute cost	1,000,000	-500,000	500,000			
CH0030	Turbine and generators	Collective Agreement Apprentice Ratio	1,800,000		1,800,000		DAN-1215	T-1068
CH0007/30 /32	Various	Non specified growth	-4,879,915	-649,952	-5,529,867			T-1141 / 0786/559
			920,085	-1,149,952	-229,867			
SUBTOTAL C1			73,239,092	19,049,733	92,288,825			
C3								
Scope change								
CD0501-001	Converters and cable transition compound	Change in grounding quantities - Material	1,500,000		1,500,000	Preliminary estimate of \$ 1.5 M based on a 5x5 grid - Contract price based on a 20x20 grid, cost expected in August	DAN-0928	T-0818
CD0501-001	Converters and cable transition compound	Change in grounding quantities - Installation	5,500,000		5,500,000	Preliminary estimate of \$ 5.5 M based on a 5x5 grid - Contract price based on a 20x20 grid, cost expected in August	DAN-0928	T-0818
CD0501	Converters and cable transition compound	Change to MF Converter Station Design as a result of Soil Conditions	2,000,000	13,000,000	15,000,000	Preliminary quote from contractor	DAN-1035	T-0929
CD0501	Converters and cable transition compound	Change in SOP Converter Station Design as a result of Design Development	1,000,000	-900,000	100,000	Preliminary quote from contractor	DAN-1036	T-0928
CD0502	Construction of AC Substations	Change to MF Switchyard Design as a result of Soil Conditions	1,000,000	-6,000,000	-5,000,000	Preliminary quote from contractor	DAN-1035	T-0929
CD0502	Construction of AC Substations	Change to SP Switchyard Design as a result of Soil Conditions	500,000	-250,000	250,000	Preliminary quote from contractor	DAN-1036	T-0928
CD0501	Converters and cable transition compound	Increase to accommodation costs for the transition compounds at FP and SC	Under Study	0	0	No cost impact anticipated due Transition Compound contracts are lump sum.	DAN-1399	T-1190
CD0504	Civil Works for the Converter Stations and Switchyards	Construct New Construction Access Road to existing CF Switchyard		50,000	50,000	The location of the last tower structures on the 735 kV interconnect line into the existing switchyard extension were changed by C4 as requested by CFL(Co). As a result of this change, the existing construction access road will have to be relocated	DAN-1435	T-1211
CD0502	Construction of AC Substations	Tagging of CD0502 Equipment		Under Study	Under Study	Additional engineering hours may be required to incorporate a new tagging system on the control panels.	DAN-1436	T-1212
CD0502	Construction of AC Substations	Installation of Copper Counterpoise at Churchill Falls		80,000	80,000	There is an opportunity to optimize the design and construction of new Churchill Falls 735-315 kV substation grounding grid in order to take advantage of the low resistance of the existing Churchill Falls Switchyard grounding grid.	DAN-1197	T-1213
CD0534	Soldiers Pond Synchronous Condensers	Unforeseen change to the increased piling activities		1,361,616	1,361,616	Potential claim for additional cost for piling.	DAN-1221	T-1067
CD0502 / CD0501	Construction of AC Substations	IBEW vs. RDTC Jurisdiction for Installation of GIS Building Envelope at Muskrat Falls		Under Study	Under Study	An increase in price is expected if it is determined that the RDTC collection agreement will also be applicable to the installation of the GIS building envelope.	DAN-1373	T-1214
CD0501	Converters and cable transition compound	HVdc Line Fundamental Frequency Resonance Issue		1,000,000	1,000,000	It has been identified by the CD0501 Contractor, Alstom Grid, that preliminary engineering studies are indicating a resonance point at or around fundamental frequency (60hz) on the HVdc line.	DAN-1220	T-1218



Jul-15

Potential Deviations

C.P.	Package Description	Variation Description	Previous Cumulative	Monthly Variance	Total Potential	Comments	CM Ref.	Trend / CN / Sch. ref.
CD0501/CD051	Converters and cable transition compound	Rock Encountered by Civil Works Contractor		Under Study	Under Study	The extent and quantity of rock has not been determined at this point.	DAN-1442	T-1216
CD0502	Construction of AC Substations	Additional 3 trailers (offices)	450,000		450,000	Mobilization and maintenance of a second 12'x60' trailer for each site	DAN-1401	T-1189
CD0534	Soldiers Pond Synchronous Condensers	Pole slot cycling and rotor rim forging - alternative alloy impact	-6,500,000		-6,500,000	potential savings, could go to Operations since the change will increase future operation costs	DAN-1398	T-1191
CD0508	Electrode Sites	Breakwater enhancements based on independent Peer review	Under Study		Under Study	Cost impact will not be known until implementation of design enhancements has been completed	DAN-1346	T-1192
CD0501 / CD0502		Maintenance of wash cars at MF site	729,327		729,327		PCN-468	CN04/CN17
CD0502	Construction of AC Substations	Add & Upgrade Disconnect switches	Under Study		Under Study	were not included in the specs	DAN-863	CN05/CN06
CD0510	Permanent Telecommunications	Inter-station communications between the Bottom Brook and Soldiers Pond Converters Requirement for HVdc Diverse Communications Channel (B-Path) Soldier's Pond to Muskrat Falls	Under Study		Under Study	Potential for an agreement with third party to use existing fibers. Cost impact under evaluation. Final details expected August 2015	DAN-0999/937	T-0911/875
CD0510, CD0502		Raceway in CF for ADSS fiber termination	Under Study		Under Study	Interface agreement agreed. Waiting for detailed design to determine cost impact, potential no cost impact	DAN-1015	T-0938
CD0502	Construction of AC Substations	Potential change in grounding quantities - CF/MF/SP	5,674,134		5,674,134	Bid based upon 20x20 grid; potential additional costs based upon 7x7. Actual impact to be confirmed once resistivity testing received.	DAN-0929	T-0863
CD0501	Converters and cable transition compound	Alstom Grid Harmonic Impedance Study Results - Impacts on Converter Filter Design	10,000,000	-5,000,000	5,000,000	Order of magnitude estimate. Cost went down following mitigation measures	DAN-1065	T-0977
CD0502	Construction of AC Substations	Structured Cabling in the ac Substations	300,000		300,000	Omission from CD0502. Options under evaluation. Order of magnitude estimate. Change request expected from contractor August 2015	DAN-1167	T-1070
CD0502	Construction of AC Substations	Control Building - Potential Cost/Schedule Impact	Under Study		Under Study	Alstom have indicated that there may be a cost/schedule impact related to LCC layout revisions	DAN-1300	T-1139
CD0508	Electrode Sites	Passive Filters foundations Required at Dowden's Point Electrode Site	Under Study		Under Study	CD0501 Contractor requires the installation of passive filters at Dowden's Point Electrode site. Equipment will be free issued by the CD0501 contractor but will be required to be installed by the CD0508 contractor.	DAN-1219	T-1100
CD0501	Converters and cable transition compound	Additional Spacing for Cable Sealing Ends	Under Study	0	0	No Cost Impact	DAN-1227	T-1071
CD0502	Construction of AC Substations	Use of Rigid Insulation Under Footings for Frost Protection - MF, CF and SP	Under Study	0	0	No Cost Impact	DAN-1311	T-1155
CD0502	Construction of AC Substations	Required Structural Steel Impact Tests - MF, CF, and SP	Under Study	0	0	No Cost Impact	DAN-1312	T-1156
CD0501	Converters and cable transition compound	Potential Increase in Operating Voltage at Converter Station Affecting the DC Transmission Line from MF to FP	Under Study	0	0	No Cost Impact	DAN-1316	T-1171
		Growth allowance/errors/omissions	22,153,461	3,341,616	25,495,077			
CD0501	Converters and cable transition compound	Non-Specified Growth	-5,847,605		-5,847,605			
CD0502	Construction of AC Substations	Non-Specified Growth (LIL)	-1,058,181		-1,058,181			
CD0502	Construction of AC Substations	Non-Specified Growth (LTA)	-6,416,174		-6,416,174			
CD0502	Construction of AC Substations (Civil)	Non-Specified Growth (LIL)	-365,808		-365,808			
CD0502	Construction of AC Substations (Civil)	Non-Specified Growth (LTA)	-3,313,075		-3,313,075			
CD0508	Electrode Sites	Non-Specified Growth	-1,288,585		-1,288,585			
CD0534	Soldiers Pond Synchronous Condensers	Non-Specified Growth	-3,155,476		-3,155,476			
CD0534	Soldiers Pond Synchronous Condensers (Civil)	Non-Specified Growth	-889,903		-889,903			
SD0564	CF camp services	Non-Specified Growth	-191,933	2,940	-188,993			
			-22,526,740	2,940	-22,523,800			
		SUBTOTAL C3	-373,279	3,344,556	2,971,277			
C4		Scope change						
CT0327/variou	Construction HVdc Transmission line (Section 1)	Redesign of HVdc Zone 3a and 11 - maximum wind load requirements	1,100,000	-1,100,000	0	Forecasted	DAN-1149	T-1048
CT0327	Construction HVdc Transmission line (Section 1)	St. Paul River Road Temporary Camp Provision by Valard (PART B)	1,100,000	-600,000	500,000		DAN-1320	T-1162
CT0327	Construction HVdc Transmission line (Section 1)	Increase in installation costs of HVdc foundations due to design changes	2,800,000	-2,800,000	under study		DAN-1403	T-1202
CT0327/SM0700	Construction HVdc Transmission line (Section 1)	Hauling material from marshalling yard to contractors camps fro HVdc line	3,715,000		3,715,000		DAN-1394	T-1187
CT0327	Construction HVdc Transmission line (Section 1)	HVdc ROW and Access Works Cost Forecast		under study	under study	Forecast exercise is underway	DAN-1473	T-1232
CT0327	Construction HVdc Transmission line (Section 1)	Alternate Routing for the Electrode Line in Labrador		under study	under study	potential cost savings	DAN-1463	T-1233
CT0327	Construction HVdc Transmission line (Section 1)	Alternate Routing of the HVdc Line through the Long Range Mountains		under study	under study	cost estimate to be determined	DAN-1462	T-1234



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Potential Deviations

C.P.	Package Description	Variation Description	Previous Cumulative	Monthly Variance	Total Potential	Comments	CM Ref.	Trend / CN / Sch. ref.
CT0327	Construction HVdc Transmission line (Section 1)	Use of Micro Pile Foundation on HVdc TL		under study	under study		DAN-1446	T-1235
CT0327	Construction HVdc Transmission line (Section 1)	HVdc Steel Towers Require Punching, Clipping and Spot Re-Galvanizing		500,000	500,000		DAN-1445	T-1236
CT0327	Construction HVdc Transmission line (Section 1)	Deferral of HVdc TL Gantry Connection		under study	under study		DAN-1444	T-1237
CT0327-011	Clearing S Access B7 & partial 6	HVdc Clearing and Access - Block 7 and Partial 6 (C&T Enterprises) Contract Value Increase.		7,000,000	7,000,000	internal estimate	PCN-0481	T-1238
CT0319	Construction of 315 Hvac Transmission line (MF-CF)	315kV Hvac construction Structures 7 and 8 Line 1 and 2 require the addition of mud slabs with Welded wire fabric		261,552	261,552		DAN-1481	T-1239
CT0342-001	230 kV HVac re-builds Soldier's Pond and Island Electrode Lines	TL 201 Route Modification Extra Structure and Schedule Change		60,000	60,000		DAN-1459	T-1240
PT0328	Supply of Transmission Line Conductors	Pole conductor reels are damaged during transportation		90,000	90,000	30K per reel backcharge to panalpina	DAN-1431	T-1242
PT0300	Supply of Transmission Line Conductors - 315 kV Hvac	Rust on 315kV HVac conductor reels		under study	under study		DAN-1430	T-1243
CT0327	Construction HVdc Transmission line (Section 1)/Supply of Steel Towers - HVdc	HVdc TL Long Term Emergency Access Provisions	under study		under study		DAN-1179	T-1050
CT0319	Construction of 315 Hvac Transmission line (MF-CF)	Additional effort to install missing steel members	173,387		173,387	will continue to track and update cost as we know	DAN-1389	T-1174
CT0319	Construction of 315 Hvac Transmission line (MF-CF)	Delays in installing the PH and SY interconnection	500,000	-50,000	450,000	estimate	DAN-1404	T-1182
CT0327	Construction HVdc Transmission line (Section 1)/Supply of Steel Towers - HVdc	Hvdc backfill quantities are greater than anticipated	5,002,350		5,002,350	\$6M is an initial rough estimate, 1 M got approved via a PCN	DAN-1126	T-1008
PT0330	Supply of Steel tower - HVdc	HVdc guyed tower OPGW bracket change (due to increase in the suspension assembly length)	321,501	-321,501	0	Forecasted	DAN-986	T-1183
PT0330	Supply of Steel tower - HVdc	Supply of fastners for DC line	142,034	-142,034	0	Forecasted	DAN-1233	T-1201
PT0331	Supply of Hardware - HVdc	Potential underrun on package	-3,000,000		-3,000,000	Depending on cost of additional items	RFA	T-0711
CT0327-011/C	Construction HVdc Transmission line (Section 1)	Change in Execution Strategy of HVdc Access and Clearing for interior Labrador	21,858,951		21,858,951	Valard's part is \$21,858,951 - still under study for other contractors	DAN-1162	T-1051
CT0319	Construction of 315 Hvac Transmission line (MF-CF)	Stringing of 25Kv Construction Power from North Spur to South Side of River	100,000		100,000	estimate - waiting confirmation from Valard (should be paid by C1 or NL Power)	DAN-1210	T-1079
CT0319	Construction of 315 Hvac Transmission line (MF-CF)	75 - 100 kPa bearing capacity soil improvement efforts	200,000	-200,000	0	no cost impact	DAN-1229	T-1084
CT0327/PT0308/PT0330	Construction HVdc Transmission line (Section 1)/Supply of Steel Foundation - HVdc/Supply of Steel Tower - HVdc	Change of MF Switch Yard resulting in need for Additional Tower required for CT0327	200,000		200,000	All entered under CT0327 under further defined	DAN-1143	T-1030
PT0356	Supply of Damper - HVdc	Increase of damper quantity - need to use 2 and 3 dampers depending on the span	50,000	10,000	50,000		DAN-1224	T-1083
CT0319/PT0304	Construction of 315 Hvac Transmission line (MF-CF)/Supply of OPC Additional down lead clamp is required for the splice box to be installed in Powerhouse (Hvac)		20,000		20,000		DAN-1314	T-1163
CT0319/PT0303	Construction of 315 Hvac Transmission line (MF-CF)/Supply of Han Reinstallation of Cotter Keys on 315 kV HVac Lines Tower Hardware		50,000		50,000	Cost includes installation only	DAN-1287	T-1172
CT0341	ROW Clearing Hvac line	AC clearing - second pass mulching quantities	under study		under study	debating what is required - nothing until after construction	DAN-0766	T-0810
Bids received and lessons learned			34,333,223	2,708,017	37,031,240			
CT0319	Construction of 315 Hvac Transmission line (MF-CF)	Budget for 735 kv line is short	2,222,000	-2,222,000	0	Forecasted	TBD	
			2,222,000	-2,222,000	0			
SUBTOTAL C4			36,555,223	486,017	37,031,240			
Services								
Bids received and lessons learned								
Other scope								
Scope change								
XX0100	Owner's cost	Increase in Owner's team cost	Under Study		Under Study		TBD	
SUBTOTAL other scope			0	0	0			
TOTAL AMOUNT			109,421,036	22,880,306	132,291,342			



LCP COST FORECAST VARIATION



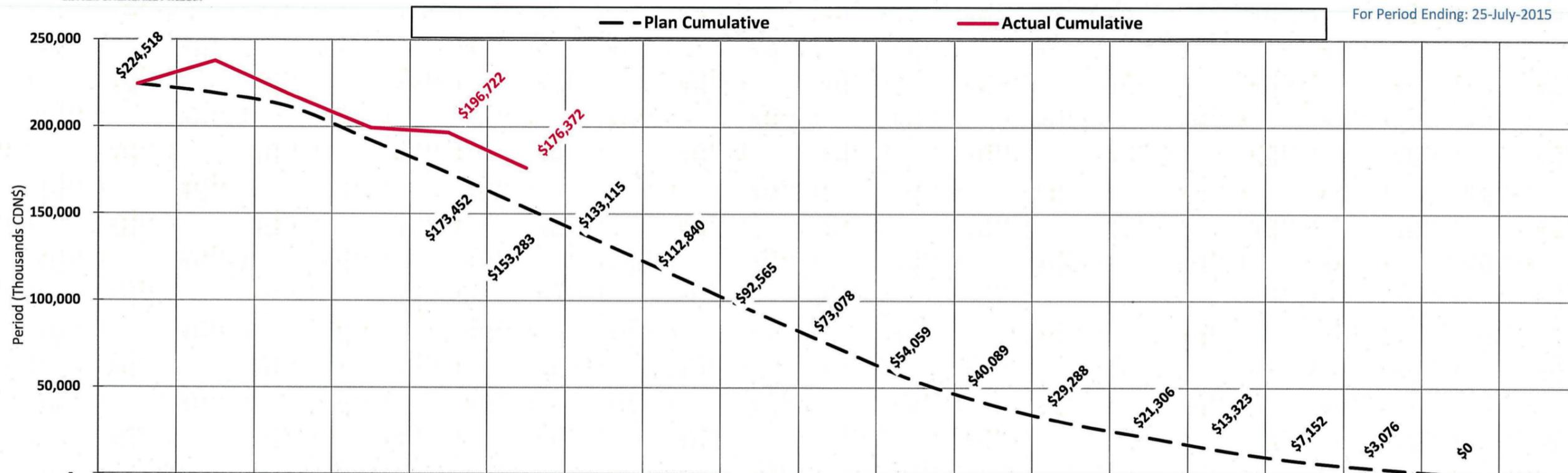
Note 1: July vs. June Forecast Variance

<ul style="list-style-type: none"> * 2 M: Mold remediation at MF camp * 0.2 M: Revision to Power Supply for Group Gilbert and Internet Philosophy * (1.8) M: Quantity reduction to the downstream design at the NS * 0.4 M: Additional Overburden On Quarry Q5 at the NS * 0.5 M: Bypass Road behind GNLC Laydown Area, 3rd party services * 0.5 M: Primary concrete blockout changes * 0.2 M: Remedial works for as built anchor position, Spillway Maintenance Gallery Lighting * 0.2 M: Storage and preservation of cranes 	<ul style="list-style-type: none"> * 10 M: Block 7 and Partial 6 (C&T Enterprises) Contract Value Increase * (0.4) M: Removal of the ADSS fibre optic cable from the Wood Pole Electrode Line between Soldiers Pond and Holyrood Plant (BCC) * 2.1 M: Increase in cost of 735 Kv line * 3 M: Additional quantities and Redesign of HVdc Zone 3a and 11 due to maximum wind load requirements * 2.2 M: Quantity Release 3 for PT0308 HVdc Foundation * 0.4 M: Extra Self Support Foundation for Hvac Line
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Remarks:
 The FFC value of \$ 6,813,970 does not include any contingency
 The CCB value of \$ 6,814,043 does not include any contingency



Lower Churchill Project Phase I Project Contingency Drawdown (CDN \$000)



Period	Q2-2014	Q3-2014	Q4-2014	Q1-2015	Q2-2015	Q3-2015	Q4-2015	Q1-2016	Q2-2016	Q3-2016	Q4-2016	Q1-2017	Q2-2017	Q3-2017	Q4-2017	Q1-2018	Q2-2018	Q3-2018	Q4-2018
Plan (AFE rev1)	-	5,284	8,555	18,613	18,613	20,169	20,169	20,275	20,275	19,487	19,020	13,969	10,801	7,982	7,982	6,172	4,076	3,076	-
Consumed	-	(13,398)	20,206	18,337	2,651	20,350	-	-	-	-	-	-	-	-	-	-	-	-	-
Cumulative																			
Plan (AFE rev1)	224,518	219,234	210,679	192,065	173,452	153,283	133,115	112,840	92,565	73,078	54,059	40,089	29,288	21,306	13,323	7,152	3,076	-	-
Actual Budget	224,518	237,915	217,709	199,373	196,722	176,372	-	-	-	-	-	-	-	-	-	-	-	-	-

Note 1: AFE rev1 = Authorization for Expenditure approved by Nalcor Energy Board of Directors on June 2014

Project Cost Status
 PROJECT: 505573 : LOWER CHURCHILL PROJECT
 CLIENT: Nalcor Energy



Grouped by: C.P.
 Period 049 From: 2015-06-25 To: 2015-07-29
 Report Setting: cost report custom rev1
 Project Currency: CAD
 Report Currency: CAD at the rate of: 1.00000000

	Budget			Total Commitment	Outstanding Changes	Trends	Unawarded Scope (Unalloc. Budget)	Incurred this Period	Incurred to Date	Current Forecast	Forecast Variance (Curr-Prev)	Variance (Bud. - Fcst) (6=3-5)
	Original	Sc.Ch.&Trans	Revised									
	(1)	(2)	(3=1+2)									
CD0501 - Converters and Cable Transition Compound	433,082,673							5,906,283	63,197,816			
CD0502 - AC Substations and Synchronous Condenser	153,849,605							825,406	28,586,355			
CD0503 - EarthWorks at Various Power Distribution	67,511,852	-15,423,037	52,088,815	52,088,813	0	22,500	-22,500	0	52,087,063	52,088,813	0	2
CD0504 - Civil and Building works Converters, SY	0							3,697,876	5,116,599			
CD0508 - Electrodes Sites	30,324,143	-7,383,502	22,940,641	13,369,038	7,180	1,288,585	8,275,839	2,237,372	7,048,224	22,940,642	7,136	-0
CD0509 - Telecommunication Services - Phase 2	13,992,843							66,808	4,640,322			
CD0510 - Permanent Communication Systems	25,940,730							0	0			
CD0512 - Construction Power Facilities	9,222,116	3,478,259	12,700,375	12,700,375	0	0	0	0	12,700,375	12,700,375	0	-0
CD0534 - Soldiers Pond Synchronous Condensers Fac	80,678,443							8,959,753	41,760,437			
CD0535 - Construction of Const. Tele. Services -	7,035,756	-7,035,756	0	0	0	0	0	0	0	0	0	0
CD0538 - Accommodations Camp (CF)	17,839,372	-12,433,765	5,405,607	5,405,606	0	0	0	0	5,405,607	5,405,606	0	0
CD0566 - Supply of Construction Power	0	3,844,802	3,844,802	2,970,419	0	326,840	547,542	1,724	1,311,515	3,844,801	0	0
CD0568 - Offsite Infrastructure Upgrades	0	3,113,200	3,113,200	1,035,200	0	0	2,078,000	0	1,026,253	3,113,200	0	0
CFLCO - CFLCO Work Orders	0	-0	-0	0	0	0	0	0	0	0	0	-0
CH0002 - Accommodations Complex Buildings	66,895,398	80,307,362	147,202,759	144,882,390	0	320,370	2,000,000	30,500	144,731,026	147,202,760	2,000,000	-0
CH0003 - Administrative Buildings	8,652,347	11,493,454	20,145,801	19,397,414	1,442,359	6,360	0	0	20,055,514	20,846,133	0	-700,331
CH0004 - Southside Access Road	40,359,578	15,985,199	56,344,777	56,344,777	0	0	0	0	56,344,777	56,344,777	0	0
CH0005 - Accommodation Complex Site Utilities	18,577,209	-18,577,209	0	0	0	0	0	0	0	0	0	0
CH0006 - Bulk Excavation Works	139,882,886	8,299,846	148,182,731	138,918,273	-1,471,308	6,037,955	0	0	143,446,966	143,484,921	0	4,697,810
CH0007 - Intake, Powerhouse, Spillway & Trans Dam	751,987,716							49,510,357	501,570,347			
CH0008 - North Spur Stabilization Works	66,427,162	76,473,846	142,901,008	142,980,136	-1,537,000	466,972	37,028	10,912,432	30,864,864	141,947,136	-808,367	953,872
CH0009 - North and South Dams	127,689,866							0	222,646			
CH0023 - Reservoir Clearing South Bank	90,551,215	-90,551,215	0	0	0	0	0	0	0	0	0	0
CH0024 - Reservoir Clearing North Bank	57,310,625	71,879,775	129,190,400	129,170,400	0	0	20,000	0	81,844,211	129,190,400	0	0
CH0029 - Site Restoration	0							0	0			
CH0030 - Turbines and Generators	205,387,347							3,652,388	75,209,995			
CH0031 - Mechanical and Electrical Auxiliaries (M	101,096,139							0	0			
CH0032 - Hydro-Mechanical Equipment	104,242,075							1,868,480	62,236,089			
CH0033 - Powerhouse Cranes	9,564,462							191,789	7,171,997			
CH0034 - Powerhouse Elevator	808,729	-309,733	498,996	498,996	0	0	0	0	0	498,996	0	0
CH0039 - McKenzie River Bridge	2,654,965	3,383,740	6,038,705	5,769,729	0	640,000	0	0	5,757,130	6,409,729	0	-371,024
CH0046 - Spillway Hydro-Mechanical Equipment	52,899,185	-52,899,185	0	0	0	0	0	0	0	0	0	0
CH0048 - Site Clearing Access Road and Ancillary	3,635,203	4,374,825	8,010,028	8,010,028	0	0	0	0	7,952,818	8,010,028	0	0
CH0049 - Log Booms	8,260,217							31,719	68,118			
CH0052 - Habitat Compensation	11,304,315							0	0			
CH0062 - Offside Roads and Bridges	0	48,000	48,000	48,000	0	0	0	0	48,000	48,000	0	0
CH0068 - MF Construction Power - Remaining Works	0							80,141	1,410,703			
CT0319 - Construction of HVac TL	204,427,902	63,272,723	267,700,625	270,222,101	0	-6,093,552	5,816,315	25,226,784	171,154,330	269,944,864	2,087,399	-2,244,239
CT0327 - Construction of HVdc TL - 1	392,729,526	600,567,967	993,297,493	967,449,458	0	924,744	25,848,036	48,182,765	212,515,425	994,222,238	10,850,001	-924,745
CT0341 - Clearing of ROW HVac TL	30,703,771	14,726,656	45,430,427	47,115,798	0	-1,685,371	0	0	43,580,559	45,430,427	0	0
CT0342 - Construction of AC TL - Island	14,134,585	909,991	15,044,577	4,019,442	0	-4,887,003	11,025,135	0	3,558,435	10,157,574	-562,797	4,887,003
CT0343 - Clearing of ROW HVdc TL - 1	96,975,584	-96,975,584	0	0	0	0	0	0	0	0	0	0
CT0345 - Clearing of ROW HVdc TL - 2	57,585,444	-57,585,444	0	0	0	0	0	0	0	0	0	0

Parameters: C.P.: LIKE: All FROM: All TO All Taxes excluded

Project Cost Status
 PROJECT: 505573 : LOWER CHURCHILL PROJECT
 CLIENT: Nalcor Energy



Grouped by:C.P.
 Period 049 From: 2015-06-25 To: 2015-07-29
 Report Setting: cost report custom rev1
 Project Currency: CAD
 Report Currency: CAD at the rate of: 1.00000000

	Budget			Total Commitment	Outstanding Changes	Trends	Unawarded Scope (Unalloc. Budget)	Incurred this Period	Incurred to Date	Current Forecast	Forecast Variance (Curr-Prev)	Variance (Bud. - Fcst) (6=3-5)
	Original (1)	Sc.Ch.&Trans (2)	Revised (3=1+2)									
CT0346 - Construction of HVdc TL - 2	187,414,391	-187,414,391	-0	0	0	0	-0	0	0	-0	0	0
CT0354 - Marshaling Yards for HVac Line (HVGB)	0	5,341,415	5,341,415	5,181,039	0	160,376	0	0	5,180,290	5,341,415	0	1
CT0355 - Marshaling Yards for HVdc Line	0	8,000,000	8,000,000	2,061,930	0	1,114	5,936,956	74,067	1,390,374	8,000,000	0	0
NLH - NLH Work Orders	0	0	0	0	0	0	0	0	0	0	0	0
PD0505 - Switchyard Equipment-AC Substations at C	98,321,259	-98,321,259	0	0	0	0	0	0	0	0	0	0
PD0513 - 138/25 kV Transformers	2,176,538	470,899	2,647,437	2,647,437	0	0	0	0	2,647,437	2,647,437	0	0
PD0514 - 138 kV and 25 kV Circuit Breakers	204,749	36,487	241,236	241,236	0	0	0	0	241,236	241,236	0	0
PD0515 - 230kV,138kV and 25kV Disconnect Switches	215,228	41,434	256,662	256,662	0	0	0	0	256,662	256,662	0	0
PD0518 - 138kV Capacitor Voltage Transformers	25,876	-1,336	24,540	24,540	0	0	0	0	24,540	24,540	0	0
PD0519 - 25 kV Vacuum Interrupters	142,352	23,409	165,761	165,761	0	0	0	0	165,761	165,761	0	0
PD0520 - 25 kV 6 x 3.6 MVAR Capacitor Banks	206,881	38,865	245,746	245,746	0	0	0	0	245,746	245,746	0	0
PD0522 - Pre-fabricated Control Room Building	822,811	284,511	1,107,322	1,107,322	0	0	0	0	1,107,322	1,107,322	0	0
PD0523 - Substation Service Transformer	18,204	32	18,236	18,236	0	0	0	0	18,236	18,236	0	0
PD0529 - 25kV Reclosers	62,751	73,611	136,362	136,362	0	0	0	0	136,362	136,362	0	0
PD0530 - 138 kV and 25 kV Surge Arresters	41,254	71	41,325	41,325	0	0	0	0	41,325	41,325	0	0
PD0531 - MV Instrument Transformer	55,410	102	55,512	55,512	0	0	0	0	55,512	55,512	0	0
PD0533 - Early Works Telecom Devices	319,443	-71,305	248,138	248,138	0	0	0	0	248,138	248,138	0	-0
PD0537 - Power Transformers, AC Substations at CF	31,093,446	3,292,189	34,385,635	36,894,984	0	-2,732,392	0	4,896,756	34,433,357	34,162,592	0	223,043
PD0561 - D20 RTU & Cabinet (CF)-Construction Powe	50,103	-13,397	36,706	36,706	0	0	0	0	36,706	36,706	0	0
PD0562 - Protection Front Panels (CF)	99,828	58,903	158,731	158,731	0	0	0	0	158,731	158,731	0	0
PD0563 - 138 kV Circuit Switcher (CF), MV Switche	116,767	-7,686	109,081	109,081	0	0	0	0	109,081	109,081	0	0
PH0014 - GSU Transformer	20,549,016	-5,298,546	15,250,470	15,012,670	0	200,000	0	-2,733	1,929,012	15,212,670	0	37,800
PH0015 - Isolated Phase Bus	1,902,522	125,000	2,027,522	950,823	0	0	1,076,699	3,359	58,321	2,027,522	0	0
PH0016 - Generator Circuit Breakers	5,170,372	-3,455,176	1,715,196	1,715,196	0	0	0	68,018	290,315	1,715,196	0	0
PH0035 - Station Service Transformers	0	0	0	0	0	0	0	0	0	0	0	0
PH0036 - Auxiliary Transformers	474,712	100,066	574,778	555,808	0	18,970	0	0	555,808	574,778	0	0
PH0037 - 25 kV Switchgear	1,381,328	-1,381,328	0	0	0	0	0	0	0	0	0	0
PH0038 - Emergency Diesel Generators	1,754,986	264,677	2,019,663	2,019,663	0	0	0	0	2,019,368	2,019,663	0	1
PH0053 - LCP Used Camp	0	18,177,409	18,177,409	18,548,573	-11,399	0	-359,765	0	18,173,167	18,177,409	0	-0
PH0058 - Supply of 600 V Switchgear	0								870,840	914,686		
PT0300 - Supply of Conductors - HVac	20,880,983	-7,337,371	13,543,612	13,543,612	0	0	0	0	13,543,612	13,543,612	0	0
PT0301 - Supply of Insulators - HVac	4,939,704	-2,116,621	2,823,083	2,823,082	0	0	0	0	2,823,082	2,823,082	0	1
PT0302 - Supply of Towers- HVac	24,434,086	-3,614,374	20,819,712	20,713,660	0	0	106,052	0	20,639,803	20,819,712	20,000	-0
PT0303 - Supply of Hardware - HVac	12,835,064	-4,032,348	8,802,716	8,623,127	0	0	179,589	55,907	8,619,621	8,802,716	0	0
PT0304 - Supply of OPGW - HVac	2,472,133	-592,632	1,879,501	1,752,296	0	55,282	71,923	0	1,751,733	1,879,501	0	0
PT0307 - Supply of Steel Tower Foundations - HVac	5,522,873	1,357,811	6,880,685	6,880,684	0	407,421	0	0	6,765,464	7,288,105	407,421	-407,420
PT0308 - Supply of Steel Tower Foundations- HVdc	24,071,995	3,098,597	27,170,592	27,170,592	0	2,167,993	0	605,873	22,477,964	29,338,585	2,167,993	-2,167,993
PT0326 - Supply of Steel Wires - HVac	2,885,849	704,348	3,590,197	3,586,312	0	3,886	0	0	3,586,312	3,590,197	0	-0
PT0328 - Supply of Conductors - HVdc	89,474,058	-38,485,050	50,989,008	51,346,459	0	108,550	0	3,998,283	49,758,340	51,455,008	0	-466,000
PT0329 - Supply of Insulators - HVdc	52,513,276	-31,046,932	21,466,344	21,361,188	0	355,000	0	6,434	21,317,622	21,716,188	0	-249,844
PT0330 - Supply of Towers - HVdc	63,048,979	-9,853,914	53,195,066	51,136,266	1,247,253	5,094,270	0	1,529,886	30,331,310	57,477,789	2,272,723	-4,282,723
PT0331 - Supply of Hardware - HVdc	6,867,096	20,255,121	27,122,217	21,537,825	2,706	95,991	5,485,695	1,320,801	16,794,928	27,122,216	-0	0
PT0334 - Supply of Wires - HVdc	1,914,335	5,448,254	7,362,589	7,342,219	0	246,585	0	0	7,342,219	7,588,804	0	-226,215

Parameters: C.P.: LIKE: All FROM: All TO All Taxes excluded

Project Cost Status
 PROJECT: 505573 : LOWER CHURCHILL PROJECT
 CLIENT: Nalcor Energy



Grouped by:C.P.
 Period 049 From: 2015-06-25 To: 2015-07-29
 Report Setting: cost report custom rev1
 Project Currency: CAD
 Report Currency: CAD at the rate of: 1.00000000

	Budget			Total Commitment	Outstanding Changes	Trends	Unawarded Scope (Unalloc. Budget)	Incurred this Period	Incurred to Date	Current Forecast	Forecast Variance (Curr-Prev)	Variance (Bud. - Fcst)
	Original	Sc.Ch.&Trans	Revised									
	(1)	(2)	(3=1+2)									
PT0335 - Supply of Anchors - HVac	1,988,073	1,422,190	3,410,263	3,419,554	0	0	847	15,475	3,419,554	3,420,400	0	-10,137
PT0336 - Supply of 25 kV Hardware	497,042	75,970	573,012	573,013	0	0	0	0	573,013	573,013	0	-1
PT0337 - Supply of 25 kV ADSS	467,173	-82,735	384,438	384,438	0	0	0	0	384,438	384,438	0	0
PT0338 - Supply of 25 kV Conductors	344,111	-28,733	315,378	315,378	0	0	0	0	315,378	315,378	0	0
PT0339 - Supply of 25 kV Insulators	65,096	-7,403	57,693	57,693	0	0	0	0	57,693	57,693	0	0
PT0340 - Supply of Poles for 138/25 KV	391,185	12,514	403,699	403,699	0	0	0	0	403,699	403,699	0	-0
PT0351 - Supply of Poles	477,982	0	477,982	1,221,237	0	0	477,982	610,618	610,618	1,699,219	0	-1,221,237
PT0352 - Supply of Anchors - HVdc	22,878,411	-7,066,130	15,812,281	15,812,279	0	56,600	0	1,119,771	9,899,378	15,868,879	56,600	-56,598
PT0353 - Supply of OPGW - HVdc	4,285,092	4,635,394	8,920,486	8,463,843	0	80,783	300,869	596,912	8,319,144	8,845,495	0	74,990
PT0356 - Supply of Dampers HVdc	0	1,330,688	1,330,688	1,330,687	0	0	0	0	1,330,687	1,330,687	0	1
SD0536 - Integrated Commissioning Support Service	16,141,864	0	16,141,864	0	0	0	16,141,864	0	0	16,141,864	0	0
SD0560 - Provision of Early Works & Starter Camp	312,456							144,749	1,522,141			
SD0564 - CF Camp Services	103,824	15,238,073	15,341,897	13,329,041	2,940	941,018	1,068,900	340,767	5,649,628	15,341,899	0	-1
SD0565 - Marine Geo-tech Electrodes	0	333,260	333,260	333,260	0	0	0	0	333,260	333,260	0	0
SD0567 - Installation of Geodetic Control Survey	0	39,179	39,179	39,179	0	0	0	0	39,179	39,179	0	0
SH0001 - Physical Hydraulic Model	723,100	0	723,100	723,100	0	0	0	0	723,100	723,100	0	0
SH0018 - Catering, Housekeeping and Janitorial	122,708,010							3,766,097	37,605,007			
SH0019 - Security Services	24,344,663							938,005	19,306,737			
SH0020 - Medical Services	20,822,244							801,435	8,227,271			
SH0021 - Road Maintenance and Snow Clearing Servi	9,152,021	-9,152,021	0	0	0	0	0	0	0	0	0	0
SH0022 - Fuel Supply and Dispensing Services (MF)	841,507							334,999	4,890,060			
SH0040 - Garbage Removal and Disposal Services	2,860,484							297,841	3,012,102			
SH0041 - Personnel Transport	14,041,433							538,060	8,685,846			
SH0051 - Building Maintenance Services (MF)	26,266,704							224,773	960,845			
SH0054 - Temporary Site Services	0	24,535,048	24,535,048	24,525,774	22,500	867,191	9,274	0	25,424,740	25,424,739	0	-889,691
SH0063 - Provision of Site Services	0	0	0	0	0	0	0	0	0	0	0	0
SH0066 - Hydraulic Model - North Dam	0	398,140	398,140	358,670	0	0	0	0	358,670	358,670	0	39,470
SM0700 - Freight Forwarding Services	10,790,840							3,718,689	37,764,018			
SM0701 - Third Party Quality Surveillance and Ins	4,678,795							160,614	4,402,799			
SM0703 - Happy Valley-Goose Bay Project Office Sp	532,356	-532,356	0	0	0	0	0	0	0	0	0	0
SM0704 - Surveying Services	14,671,329	-6,354,456	8,316,873	22,924,414	105,090	-123,711	-14,588,920	0	7,652,886	8,316,874	0	-1
SM0705 - Laboratory Services	34,069,577							311,668	3,256,099			
SM0706 - Supply of Vehicles	3,527,896							34,538	5,903,006			
SM0707 - Helicopter Services	15,294,565							96,318	3,134,751			
SM0709 - Air Transportation Services	0							225,760	8,529,579			
SM0710 - IT Equipment	2,155,286	-2,155,286	0	0	0	0	0	0	0	0	0	0
SM0713 - 2012 Field Geotechnical Investigations	2,108,854	1,619,818	3,728,672	3,963,781	-234,460	0	0	649	3,715,105	3,729,321	649	-649
SM0714 - EPCM Services	370,945,193							0	206,394,919			
ST0309 - Provision of Geotech - HVac	956,750	-956,750	0	0	0	0	0	0	0	0	0	0
ST0310 - Provision of Geotech - HVdc	4,018,074	-4,018,074	0	0	0	0	0	0	0	0	0	0
ST0311 - Provision of Survey - HVac	0	135,074	135,074	135,075	0	0	0	0	135,075	135,075	0	-1
ST0312 - Provision of Survey - HVdc	0	0	0	0	0	0	0	0	0	0	0	0
XX0001 - SOBI	352,014,204	-2,188,030	349,826,174	284,494,486	0	-74,578	60,070,325	1,281,504	185,282,484	344,490,232	0	5,335,941

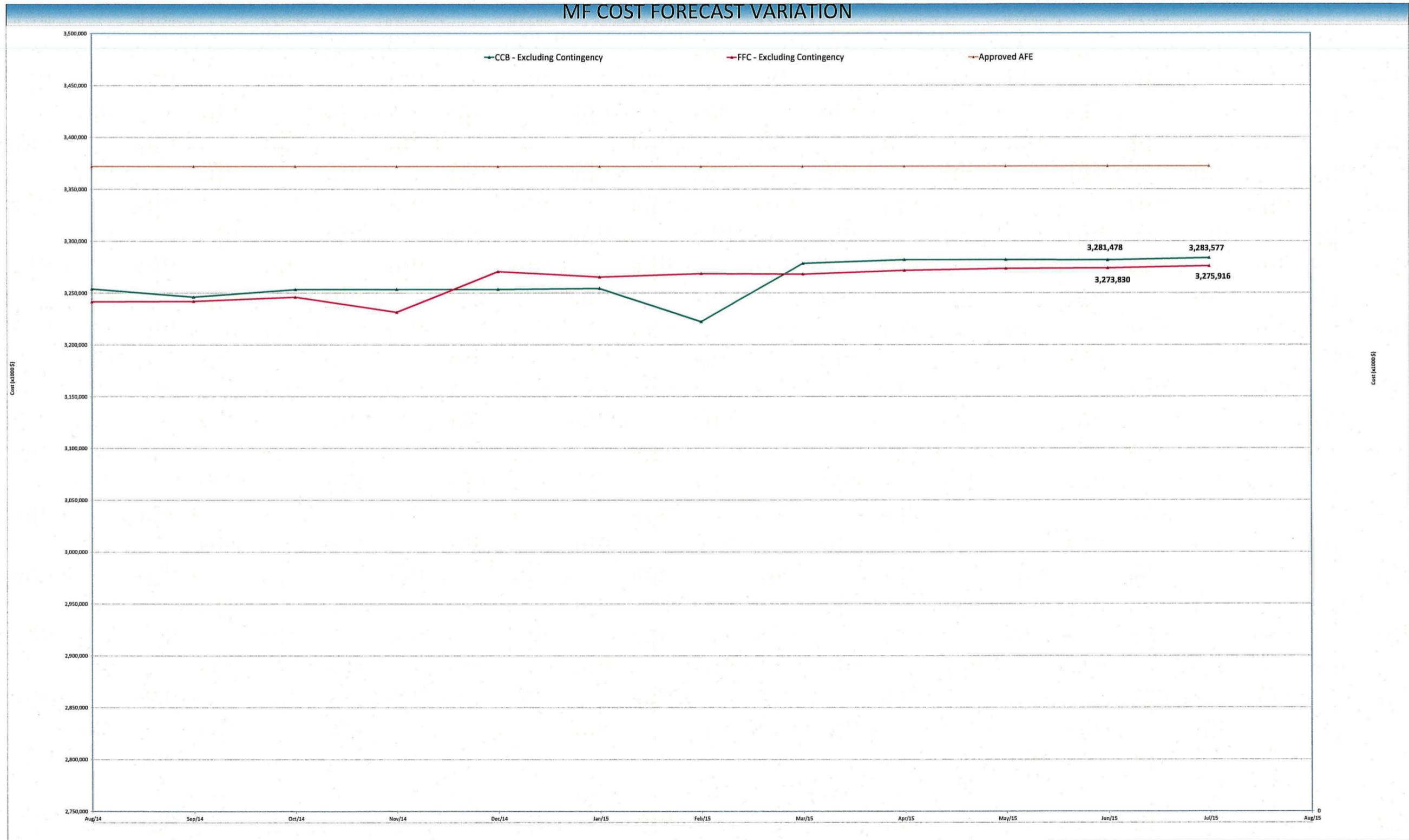
Parameters: C.P.: LIKE: All FROM: All TO All Taxes excluded

Project Cost Status
 PROJECT: 505573 : LOWER CHURCHILL PROJECT
 CLIENT: Nalcor Energy



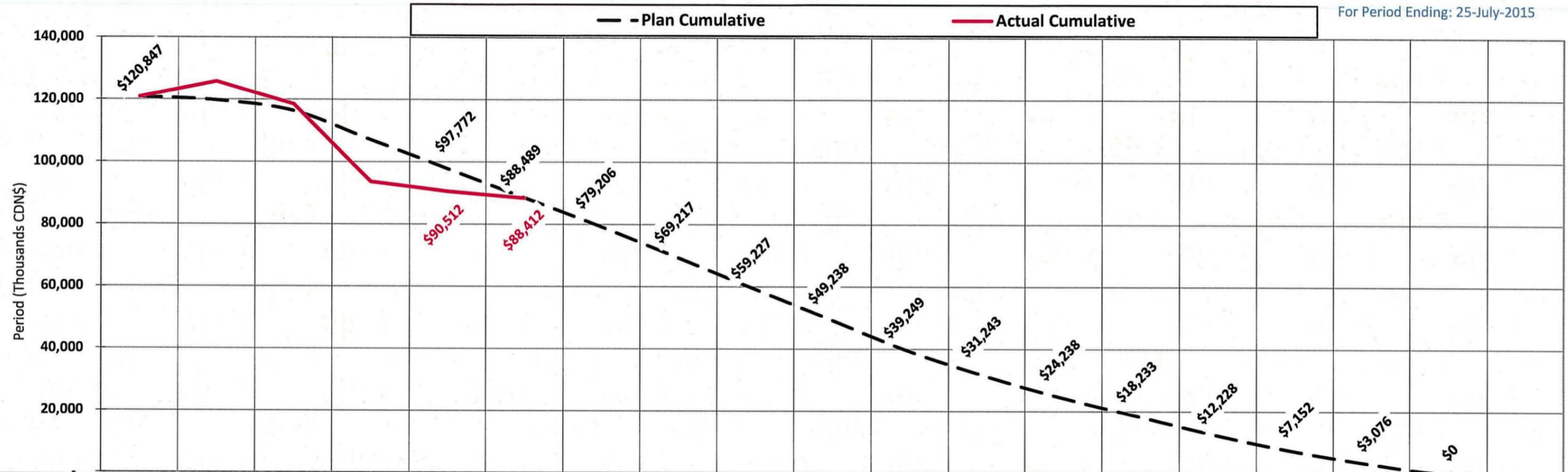
Grouped by:C.P.
 Period 049 From: 2015-06-25 To: 2015-07-29
 Report Setting: cost report custom rev1
 Project Currency: CAD
 Report Currency: CAD at the rate of: 1.00000000

	Budget			Total Commitment	Outstanding Changes	Trends	Unawarded Scope (Unalloc. Budget)	Incurred this Period	Incurred to Date	Current Forecast	Forecast Variance (Curr-Prev)	Variance (Bud. - Fcst)
	Original	Sc.Ch.&Trans	Revised									
	(1)	(2)	(3=1+2)	(4)				(7)	(5)	(6=3-5)		
XX0002 - Additional Scope of Work	72,490,420	-40,596,262	31,894,158	25,459,300	0	323,128	6,022,210	-258,183	10,934,416	31,804,638	-529	89,520
XX0003 - Environmental Approval	0	0	0	0	0	0	0	0	0	0	0	0
XX0004 - Historical cost	186,083,322	-186,083,322	0	0	0	0	0	0	0	0	0	0
XX0005 - Owner Cost	0	0	0	0	0	0	0	0	0	0	0	0
XX0006 - Contingency	367,852,397							0	0			
XX0100 - NE-LCP Owners team , Admin services	235,691,655							7,465,820	290,384,115			
XX0200 - Feasibility Engineering	2,124,889							0	39,421,043			
XX0300 - Environmental and Regulatory compliance	26,064,853							627,083	26,886,756			
XX0400 - Aboriginal Affairs	12,745,136							1,875	7,136,243			
XX0900 - Commercial and Legal	34,443,915							313,359	30,694,715			
XXSMFG - Muskrat Falls Site Purchase Orders	0							40,702	229,376			
ZZ0999 - Unallocated Budget	10,815,243							0	483,863			
Grand Total:	6,202,489,666	787,924,584	6,990,414,250	6,000,950,413	-7,771,500	83,429,776	913,805,560	197,736,288	3,083,163,606	6,990,414,250	-1	-0





LCP Phase I - Muskrat Falls Generation Project Contingency Drawdown (CDN \$000)



For Period Ending: 25-July-2015

Period	Q2-2014	Q3-2014	Q4-2014	Q1-2015	Q2-2015	Q3-2015	Q4-2015	Q1-2016	Q2-2016	Q3-2016	Q4-2016	Q1-2017	Q2-2017	Q3-2017	Q4-2017	Q1-2018	Q2-2018	Q3-2018	Q4-2018
Plan (AFE rev1)	-	1,127	3,381	9,283	9,283	9,283	9,283	9,989	9,989	9,989	9,989	8,005	7,005	6,005	6,005	5,076	4,076	3,076	-
Consumed	-	(4,972)	7,307	24,856	3,143	2,100	-	-	-	-	-	-	-	-	-	-	-	-	-
Cumulative																			
Plan (AFE rev1)	120,847	119,720	116,339	107,056	97,772	88,489	79,206	69,217	59,227	49,238	39,249	31,243	24,238	18,233	12,228	7,152	3,076	-	-
Actual Budget	120,847	125,819	118,511	93,655	90,512	88,412	-	-	-	-	-	-	-	-	-	-	-	-	-

Note 1: AFE rev1 = Authorization for Expenditure approved by Nalcor Energy Board of Directors on June 2014

Project Cost Status
 PROJECT: 505573 : LOWER CHURCHILL PROJECT
 CLIENT: Nalcor Energy



CMRPPCOSTA

Grouped by: cost category; C.P.

Period 049 From: 2015-06-25 To: 2015-07-29

Report Setting: cost report custom rev1

Project Currency: CAD

Report Currency: CAD at the rate of: 1.00000000

	Budget			Total Commitment	Outstanding Changes	Trends	Unawarded Scope (Unalloc. Budget)	Incurred this Period	Incurred to Date	Current Forecast	Forecast Variance (Curr-Prev)	Variance (Bud. - Fcst) (6=3-5)
	Original (1)	Sc.Ch.&Trans (2)	Revised (3=1+2)									
3' - Muskrat Falls												
CD0501 - Converters and Cable Transition Compound	0							0	1,860			
CD0502 - AC Substations and Synchronous Condenser	0							0	0			
CD0503 - EarthWorks at Various Power Distribution	0	0	0	0	0	0	0	0	0	0	0	0
CD0508 - Electrodes Sites	0	0	0	0	0	0	0	0	0	0	0	0
CD0509 - Telecommunication Services - Phase 2	13,853,071							64,246	4,584,969			
CD0510 - Permanent Communication Systems	2,113,728							0	0			
CD0512 - Construction Power Facilities	9,222,116	3,478,259	12,700,375	12,700,375	0	0	0	0	12,700,375	12,700,375	0	-0
CD0534 - Soldiers Pond Synchronous Condensers Fac	0							0	0			
CD0535 - Construction of Const. Tele. Services -	1,105,811	-1,105,811	0	0	0	0	0	0	0	0	0	0
CD0568 - Offsite Infrastructure Upgrades	0	3,113,200	3,113,200	1,035,200	0	0	2,078,000	0	1,026,253	3,113,200	0	0
CFLCO - CFLCO Work Orders	0	0	0	0	0	0	0	0	0	0	0	0
CH0002 - Accommodations Complex Buildings	66,895,398	80,307,362	147,202,759	144,882,390	0	320,370	2,000,000	30,500	144,731,026	147,202,760	2,000,000	-0
CH0003 - Administrative Buildings	8,652,347	11,493,454	20,145,801	19,397,414	1,442,359	6,360	0	0	20,055,514	20,846,133	0	-700,331
CH0004 - Southside Access Road	40,359,578	15,985,199	56,344,777	56,344,777	0	0	0	0	56,344,777	56,344,777	0	0
CH0005 - Accommodation Complex Site Utilities	18,577,209	-18,577,209	0	0	0	0	0	0	0	0	0	0
CH0006 - Bulk Excavation Works	137,362,113	2,063,096	139,425,209	129,528,181	-1,465,097	5,956,994	0	0	134,020,078	134,020,078	0	5,405,131
CH0007 - Intake, Powerhouse, Spillway & Trans Dam	751,987,716							49,510,357	501,570,347			
CH0008 - North Spur Stabilization Works	66,427,162	76,470,846	142,898,008	142,977,136	-1,537,000	466,972	37,028	10,912,432	30,861,864	141,944,136	-808,367	953,872
CH0009 - North and South Dams	127,689,866							0	222,646			
CH0023 - Reservoir Clearing South Bank	90,551,215	-90,551,215	0	0	0	0	0	0	0	0	0	0
CH0024 - Reservoir Clearing North Bank	57,310,625	71,879,775	129,190,400	129,170,400	0	0	20,000	0	81,844,211	129,190,400	0	0
CH0030 - Turbines and Generators	205,387,347							3,652,388	75,209,995			
CH0031 - Mechanical and Electrical Auxiliaries (M	101,096,139							0	0			
CH0032 - Hydro-Mechanical Equipment	104,242,075							1,868,480	62,236,089			
CH0033 - Powerhouse Cranes	9,564,462							191,789	7,171,997			
CH0034 - Powerhouse Elevator	808,729	-309,733	498,996	498,996	0	0	0	0	0	498,996	0	0
CH0039 - McKenzie River Bridge	2,654,965	3,383,740	6,038,705	5,769,729	0	640,000	0	0	5,757,130	6,409,729	0	-371,024
CH0046 - Spillway Hydro-Mechanical Equipment	52,899,185	-52,899,185	0	0	0	0	0	0	0	0	0	0
CH0048 - Site Clearing Access Road and Ancillary	3,635,203	3,980,780	7,615,983	7,615,983	0	0	0	0	7,558,773	7,615,983	0	0
CH0049 - Log Booms	8,260,217							31,719	68,118			
CH0052 - Habitat Compensation	11,304,315							0	0			
CH0062 - Offside Roads and Bridges	0	48,000	48,000	48,000	0	0	0	0	48,000	48,000	0	0
CH0068 - MF Construction Power - Remaining Works	0							80,141	1,410,703			
CT0319 - Construction of HVac TL	4,165,814	1,272,934	5,438,748	5,430,801	0	0	7,947	0	0	5,438,748	0	-0
CT0327 - Construction of HVdc TL - 1	0	0	0	0	0	0	0	0	0	0	0	0
CT0346 - Construction of HVdc TL - 2	0	-0	-0	0	0	0	-0	0	0	-0	0	0
CT0354 - Marshaling Yards for HVac Line (HVGB)	0	0	0	0	0	0	0	0	0	0	0	0
PD0513 - 138/25 kV Transformers	2,176,538	470,899	2,647,437	2,647,437	0	0	0	0	2,647,437	2,647,437	0	0
PD0514 - 138 kV and 25 kV Circuit Breakers	204,749	36,487	241,236	241,236	0	0	0	0	241,236	241,236	0	0
PD0515 - 230kV,138kV and 25kV Disconnect Switches	215,228	41,434	256,662	256,662	0	0	0	0	256,662	256,662	0	0
PD0518 - 138kV Capacitor Voltage Transformers	25,876	-1,336	24,540	24,540	0	0	0	0	24,540	24,540	0	0
PD0519 - 25 kV Vacuum Interrupters	142,352	23,409	165,761	165,761	0	0	0	0	165,761	165,761	0	0

Parameters: cost category: LIKE: 3% FROM: All TO All; C.P.: LIKE: All FROM: All TO All Taxes excluded

Project Cost Status
 PROJECT: 505573 : LOWER CHURCHILL PROJECT
 CLIENT: Nalcor Energy



Grouped by: cost category; C.P.

Period 049 From: 2015-06-25 To: 2015-07-29

Report Setting: cost report custom rev1

Project Currency: CAD

Report Currency: CAD at the rate of: 1.00000000

	Budget			Total Commitment	Outstanding Changes	Trends	Unawarded Scope (Unalloc. Budget)	Incurred this Period	Incurred to Date	Current Forecast	Forecast Variance (Curr-Prev)	Variance (Bud. - Fcst) (6=3-5)
	Original (1)	Sc.Ch.&Trans (2)	Revised (3=1+2)									
3' - Muskrat Falls												
PD0520 - 25 kV 6 x 3.6 MVAR Capacitor Banks	206,881	38,865	245,746	245,746	0	0	0	0	245,746	245,746	0	0
PD0522 - Pre-fabricated Control Room Building	822,811	284,511	1,107,322	1,107,322	0	0	0	0	1,107,322	1,107,322	0	0
PD0523 - Substation Service Transformer	18,204	32	18,236	18,236	0	0	0	0	18,236	18,236	0	0
PD0529 - 25kV Reclosers	62,751	73,611	136,362	136,362	0	0	0	0	136,362	136,362	0	0
PD0530 - 138 kV and 25 kV Surge Arresters	41,254	71	41,325	41,325	0	0	0	0	41,325	41,325	0	0
PD0531 - MV Instrument Transformer	55,410	102	55,512	55,512	0	0	0	0	55,512	55,512	0	0
PD0533 - Early Works Telecom Devices	319,443	-71,305	248,138	248,138	0	0	0	0	248,138	248,138	0	-0
PD0561 - D20 RTU & Cabinet (CF)-Construction Powe	50,103	-13,397	36,706	36,706	0	0	0	0	36,706	36,706	0	0
PD0562 - Protection Front Panels (CF)	99,828	58,903	158,731	158,731	0	0	0	0	158,731	158,731	0	0
PD0563 - 138 kV Circuit Switcher (CF), MV Switche	116,767	-7,686	109,081	109,081	0	0	0	0	109,081	109,081	0	0
PH0014 - GSU Transformer	20,549,016	-5,298,546	15,250,470	15,012,670	0	200,000	0	-2,733	1,929,012	15,212,670	0	37,800
PH0015 - Isolated Phase Bus	1,902,522	125,000	2,027,522	950,823	0	0	1,076,699	3,359	58,321	2,027,522	0	0
PH0016 - Generator Circuit Breakers	5,170,372	-3,455,176	1,715,196	1,715,196	0	0	0	68,018	290,315	1,715,196	0	0
PH0035 - Station Service Transformers	0	0	0	0	0	0	0	0	0	0	0	0
PH0036 - Auxiliary Transformers	474,712	100,066	574,778	555,808	0	18,970	0	0	555,808	574,778	0	0
PH0037 - 25 kV Switchgear	1,381,328	-1,381,328	0	0	0	0	0	0	0	0	0	0
PH0038 - Emergency Diesel Generators	1,754,986	264,677	2,019,663	2,019,663	0	0	0	0	2,019,368	2,019,663	0	1
PH0053 - LCP Used Camp	0	18,177,409	18,177,409	18,548,573	-11,399	0	-359,765	0	18,173,167	18,177,409	0	-0
PH0058 - Supply of 600 V Switchgear	0							47,162	870,840			
PT0336 - Supply of 25 kV Hardware	497,042	75,970	573,012	573,013	0	0	0	0	573,013	573,013	0	-1
PT0337 - Supply of 25 kV ADSS	467,173	-82,735	384,438	384,438	0	0	0	0	384,438	384,438	0	0
PT0338 - Supply of 25 kV Conductors	344,111	-28,733	315,378	315,378	0	0	0	0	315,378	315,378	0	0
PT0339 - Supply of 25 kV Insulators	65,096	-7,403	57,693	57,693	0	0	0	0	57,693	57,693	0	0
PT0340 - Supply of Poles for 138/25 KV	391,185	12,514	403,699	403,699	0	0	0	0	403,699	403,699	0	-0
SD0536 - Integrated Commissioning Support Service	2,172,433	0	2,172,433	0	0	0	2,172,433	0	0	2,172,433	0	0
SD0560 - Provision of Early Works & Starter Camp	312,456							33,851	879,960			
SH0001 - Physical Hydraulic Model	723,100	0	723,100	723,100	0	0	0	0	723,100	723,100	0	0
SH0018 - Catering, Housekeeping and Janitorial	122,708,010							3,670,420	35,114,696			
SH0019 - Security Services	24,344,663							938,005	19,306,737			
SH0020 - Medical Services	20,822,244							801,435	8,227,271			
SH0021 - Road Maintenance and Snow Clearing Servi	9,152,021	-9,152,021	0	0	0	0	0	0	0	0	0	0
SH0022 - Fuel Supply and Dispensing Services (MF)	841,507							47,538	2,805,851			
SH0040 - Garbage Removal and Disposal Services	2,748,535							297,841	3,012,102			
SH0041 - Personnel Transport	14,041,433							538,060	8,685,846			
SH0051 - Building Maintenance Services (MF)	26,266,704							224,773	960,845			
SH0054 - Temporary Site Services	0	24,535,048	24,535,048	24,525,774	22,500	867,191	9,274	0	25,424,740	25,424,739	0	-889,691
SH0063 - Provision of Site Services	0	0	0	0	0	0	0	0	0	0	0	0
SH0066 - Hydraulic Model - North Dam	0	398,140	398,140	358,670	0	0	0	0	358,670	358,670	0	39,470
SM0700 - Freight Forwarding Services	2,671,061							0	79,453			
SM0701 - Third Party Quality Surveillance and Ins	2,354,658							84,050	1,985,481			
SM0703 - Happy Valley-Goose Bay Project Office Sp	532,356	-532,356	0	0	0	0	0	0	0	0	0	0
SM0704 - Surveying Services	14,671,329	-6,354,456	8,316,873	22,924,414	105,090	-123,711	-14,588,920	0	7,652,886	8,316,874	0	-1

Parameters: cost category: LIKE: 3% FROM: All TO All; C.P.: LIKE: All FROM: All TO All Taxes excluded

Project Cost Status
 PROJECT: 505573 : LOWER CHURCHILL PROJECT
 CLIENT: Nalcor Energy



Grouped by: cost category; C.P.

Period 049 From: 2015-06-25 To: 2015-07-29

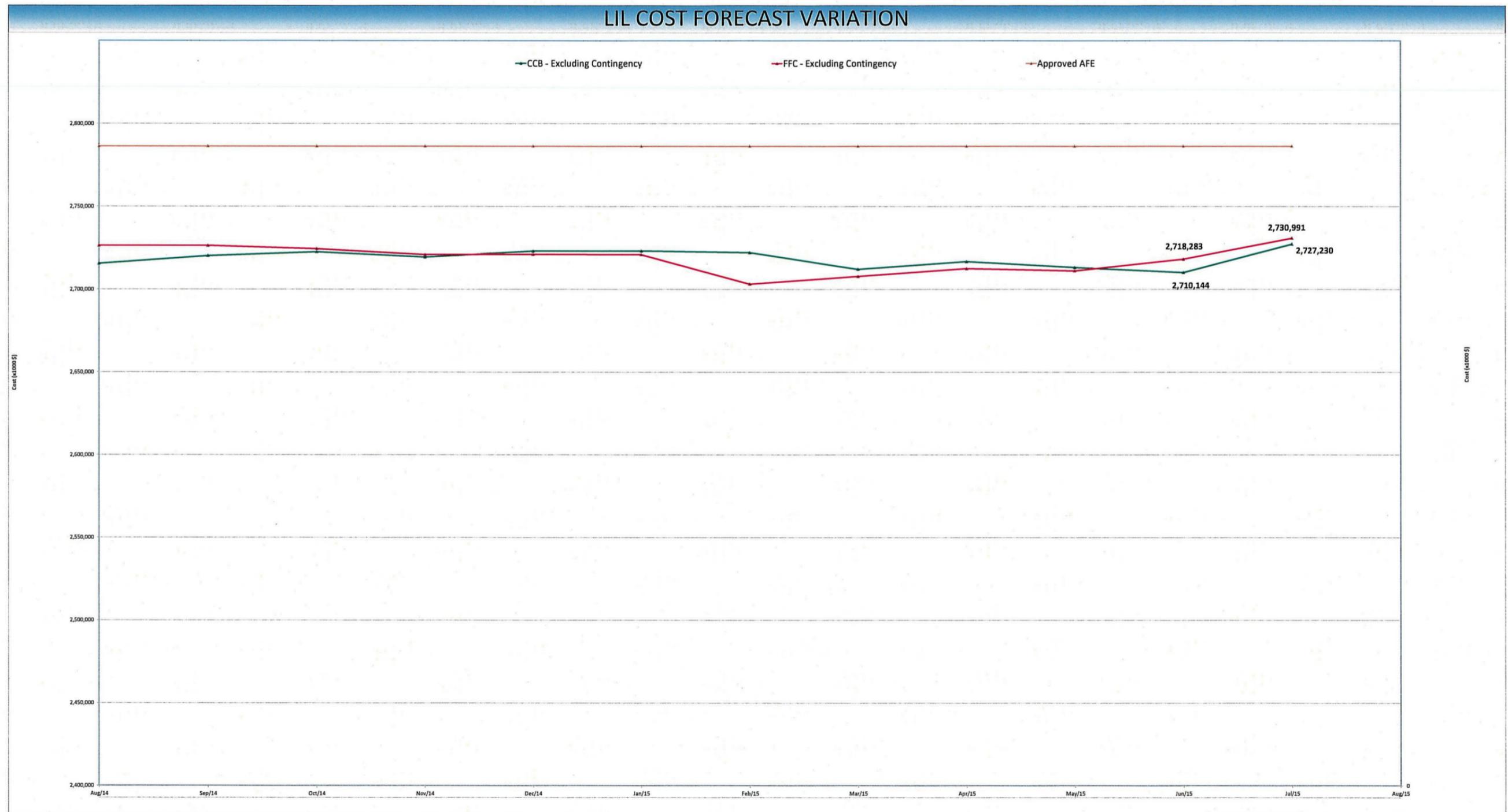
Report Setting: cost report custom rev1

Project Currency: CAD

Report Currency: CAD at the rate of: 1.00000000

	Budget			Total Commitment	Outstanding Changes	Trends	Unawarded Scope (Unalloc. Budget)	Incurred this Period	Incurred to Date	Current Forecast	Forecast Variance (Curr-Prev)	Variance (Bud. - Fcst)
	Original	Sc.Ch.&Trans	Revised									
	(1)	(2)	(3=1+2)	(4)					(7)	(5)	(6=3-5)	
3' - Muskrat Falls												
SM0705 - Laboratory Services	34,069,577							311,668	3,256,099			
SM0706 - Supply of Vehicles	2,474,993							0	3,156,383			
SM0707 - Helicopter Services	3,815,802							19,003	1,846,778			
SM0709 - Air Transportation Services	0							225,760	8,529,579			
SM0710 - IT Equipment	2,155,286	-2,155,286	0	0	0	0	0	0	0	0	0	0
SM0713 - 2012 Field Geotechnical Investigations	2,108,854	1,608,574	3,717,428	3,951,889	-234,460	0	0	0	3,703,212	3,717,428	0	-0
SM0714 - EPCM Services	176,044,269							0	127,533,924			
XX0002 - Additional Scope of Work	2,697,350	1,445,641	4,142,991	1,830,571	0	401,829	1,910,591	-256,534	1,065,183	4,142,991	0	0
XX0003 - Environmental Approval	0	0	0	0	0	0	0	0	0	0	0	0
XX0004 - Historical cost	96,580,064	-96,580,064	0	0	0	0	0	0	0	0	0	0
XX0005 - Owner Cost	0	0	0	0	0	0	0	0	0	0	0	0
XX0006 - Contingency	226,849,222							0	0		-3,995,554	
XX0100 - NE-LCP Owners team , Admin services	128,323,833							3,268,520	150,288,455			
XX0200 - Feasibility Engineering	1,425,827							0	17,948,964			
XX0300 - Environmental and Regulatory compliance	9,636,749							23,872	16,448,219			
XX0400 - Aboriginal Affairs	10,924,382							725	6,682,736			
XX0900 - Commercial and Legal	15,217,077							148,141	15,239,022			
XXSMFG - Muskrat Falls Site Purchase Orders	0							40,702	229,376			
ZZ0999 - Unallocated Budget	10,790,349							0	483,863			
Sub Total for : 3' - Muskrat Falls	2,901,158,288	470,830,394	3,371,988,681	2,849,639,961	-9,050,488	72,436,241	458,962,967	76,875,689	1,650,178,000	3,371,988,682	-0	-0
Grand Total:	2,901,158,288	470,830,394	3,371,988,681	2,849,639,961	-9,050,488	72,436,241	458,962,967	76,875,689	1,650,178,000	3,371,988,682	-0	-0

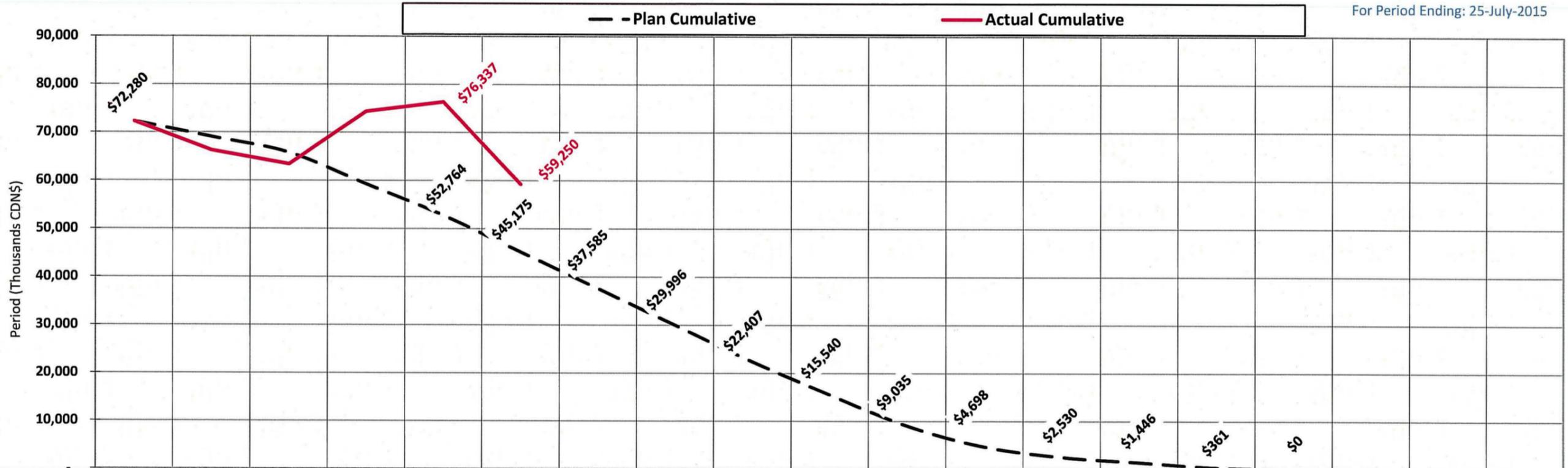
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LCP Phase I - Labrador Island Transmission Link Project Contingency Drawdown (CDN \$000)

For Period Ending: 25-July-2015



Period	Q2-2014	Q3-2014	Q4-2014	Q1-2015	Q2-2015	Q3-2015	Q4-2015	Q1-2016	Q2-2016	Q3-2016	Q4-2016	Q1-2017	Q2-2017	Q3-2017	Q4-2017	Q1-2018	Q2-2018	Q3-2018	Q4-2018
Plan (AFE rev1)	-	3,215	3,290	6,505	6,505	7,589	7,589	7,589	7,589	6,867	6,505	4,337	2,168	1,084	1,084	361	-	-	-
Consumed	-	5,974	2,887	(10,951)	(1,968)	17,087	-	-	-	-	-	-	-	-	-	-	-	-	-
Cumulative																			
Plan (AFE rev1)	72,280	69,065	65,774	59,269	52,764	45,175	37,585	29,996	22,407	15,540	9,035	4,698	2,530	1,446	361	-	-	-	-
Actual Budget	72,280	66,305	63,418	74,369	76,337	59,250	-	-	-	-	-	-	-	-	-	-	-	-	-

Note 1: AFE rev1 = Authorization for Expenditure approved by Nalcor Energy Board of Directors on June 2014

Project Cost Status
 PROJECT: 505573 : LOWER CHURCHILL PROJECT
 CLIENT: Nalcor Energy



Grouped by: cost category; C.P.

Period 049 From: 2015-06-25 To: 2015-07-29

Report Setting: cost report custom rev1

Project Currency: CAD

Report Currency: CAD at the rate of: 1.00000000

	Budget			Total Commitment	Outstanding Changes	Trends	Unawarded Scope (Unalloc. Budget)	Incurred this Period	Incurred to Date	Current Forecast	Forecast Variance (Curr-Prev)	Variance (Bud. - Fcst) (6=3-5)
	Original (1)	Sc.Ch.&Trans (2)	Revised (3=1+2)									
4' - Labrador Island Link												
CD0501 - Converters and Cable Transition Compound	433,082,673							5,906,283	63,195,956			
CD0502 - AC Substations and Synchronous Condenser	86,588,315							258,879	6,828,610			
CD0503 - EarthWorks at Various Power Distribution	49,496,880	-20,811,436	28,685,444	28,685,443	0	22,500	-22,500	0	28,683,693	28,685,443	0	0
CD0504 - Civil and Building works Converters, SY	0							2,438,445	3,346,204			
CD0508 - Electrodes Sites	30,324,143	-7,383,502	22,940,641	13,369,038	7,180	1,288,585	8,275,839	2,237,372	7,048,224	22,940,642	7,136	-0
CD0509 - Telecommunication Services - Phase 2	69,886							0	30,030			
CD0510 - Permanent Communication Systems	17,787,248							0	0			
CD0534 - Soldiers Pond Synchronous Condensers Fac	80,678,443							8,959,753	41,760,437			
CD0535 - Construction of Const. Tele. Services -	3,863,886	-3,863,886	0	0	0	0	0	0	0	0	0	0
CD0566 - Supply of Construction Power	0	3,646,357	3,646,357	2,864,210	0	321,690	460,457	1,724	1,205,306	3,646,357	0	0
CH0006 - Bulk Excavation Works	1,320,023	3,112,696	4,432,719	4,898,863	-2,564	21,384	0	0	4,917,684	4,917,684	0	-484,965
CH0007 - Intake, Powerhouse, Spillway & Trans Dam	0							0	0			
CH0008 - North Spur Stabilization Works	0	3,000	3,000	3,000	0	0	0	0	3,000	3,000	0	0
CH0048 - Site Clearing Access Road and Ancillary	0	195,000	195,000	195,000	0	0	0	0	195,000	195,000	0	0
CH0068 - MF Construction Power - Remaining Works	0							0	0			
CT0327 - Construction of HVdc TL - 1	392,729,526	600,567,967	993,297,493	967,449,458	0	924,744	25,848,036	48,182,765	212,515,425	994,222,238	10,850,001	-924,745
CT0342 - Construction of AC TL - Island	14,134,585	909,991	15,044,577	4,019,442	0	-4,887,003	11,025,135	0	3,558,435	10,157,574	-562,797	4,887,003
CT0343 - Clearing of ROW HVdc TL - 1	96,975,584	-96,975,584	0	0	0	0	0	0	0	0	0	0
CT0345 - Clearing of ROW HVdc TL - 2	57,585,444	-57,585,444	0	0	0	0	0	0	0	0	0	0
CT0346 - Construction of HVdc TL - 2	187,414,391	-187,414,391	-0	0	0	0	-0	0	0	-0	0	0
CT0354 - Marshaling Yards for HVac Line (HVGB)	0	2,777,536	2,777,536	2,694,140	0	65,758	0	0	2,693,392	2,759,898	0	17,638
CT0355 - Marshaling Yards for HVdc Line	0	8,000,000	8,000,000	2,061,930	0	1,114	5,936,956	74,067	1,390,374	8,000,000	0	0
NLH - NLH Work Orders	0	0	0	0	0	0	0	0	0	0	0	0
PD0505 - Switchyard Equipment-AC Substations at C	23,922,612	-23,922,612	0	0	0	0	0	0	0	0	0	0
PD0537 - Power Transformers, AC Substations at CF	7,043,291	4,403,737	11,447,028	11,203,680	0	108,551	0	3,225,465	9,807,610	11,312,231	0	134,797
PT0308 - Supply of Steel Tower Foundations- HVdc	24,071,995	2,074,847	26,146,842	26,146,842	0	2,167,993	-1,023,750	605,873	22,477,964	27,291,085	120,493	-1,144,243
PT0328 - Supply of Conductors - HVdc	89,474,058	-38,485,050	50,989,008	51,346,459	0	108,550	0	3,998,283	49,758,340	51,455,008	0	-466,000
PT0329 - Supply of Insulators - HVdc	52,513,276	-31,046,932	21,466,344	21,361,188	0	355,000	0	6,434	21,317,622	21,716,188	0	-249,844
PT0330 - Supply of Towers - HVdc	63,048,979	-9,853,914	53,195,066	51,136,266	1,247,253	5,094,270	0	1,529,886	30,331,310	57,477,789	2,272,723	-4,282,723
PT0331 - Supply of Hardware - HVdc	6,867,096	20,255,121	27,122,217	21,537,825	2,706	95,991	5,485,695	1,320,801	16,794,928	27,122,216	-0	0
PT0334 - Supply of Wires - HVdc	1,914,335	5,448,254	7,362,589	7,342,219	0	246,585	0	0	7,342,219	7,588,804	0	-226,215
PT0351 - Supply of Poles	477,982	0	477,982	1,221,237	0	0	477,982	610,618	610,618	1,699,219	0	-1,221,237
PT0352 - Supply of Anchors - HVdc	22,878,411	-7,066,130	15,812,281	15,812,279	0	56,600	0	1,119,771	9,899,378	15,868,879	56,600	-56,598
PT0353 - Supply of OPGW - HVdc	4,285,092	4,635,394	8,920,486	8,463,843	0	80,783	300,869	596,912	8,319,144	8,845,495	0	74,990
PT0356 - Supply of Dampers HVdc	0	1,330,688	1,330,688	1,330,687	0	0	0	0	1,330,687	1,330,687	0	1
SD0536 - Integrated Commissioning Support Service	3,517,934	0	3,517,934	0	0	0	3,517,934	0	0	3,517,934	0	0
SD0560 - Provision of Early Works & Starter Camp	0							6,000	110,843			
SD0565 - Marine Geo-tech Electrodes	0	333,260	333,260	333,260	0	0	0	0	333,260	333,260	0	0
SD0567 - Installation of Geodetic Control Survey	0	39,179	39,179	39,179	0	0	0	0	39,179	39,179	0	0
SH0018 - Catering, Housekeeping and Janitorial	0							95,677	2,483,526			
SH0022 - Fuel Supply and Dispensing Services (MF)	0							151,470	1,488,801			
SH0040 - Garbage Removal and Disposal Services	111,949							0	0			

Parameters: cost category: LIKE: 4% FROM: All TO All; C.P.: LIKE: All FROM: All TO All Taxes excluded

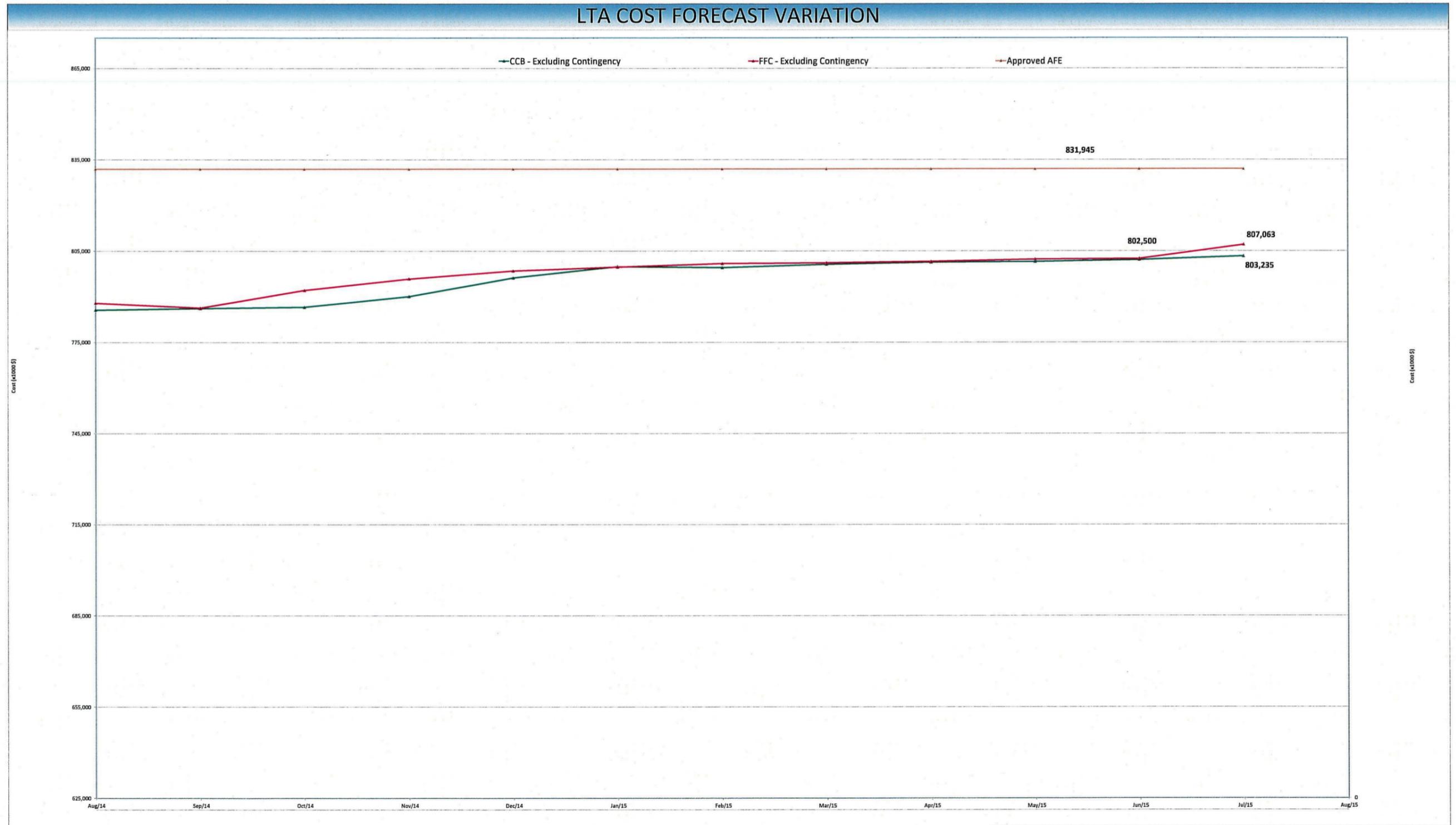
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Project Cost Status
 PROJECT: 505573 : LOWER CHURCHILL PROJECT
 CLIENT: Nalcor Energy



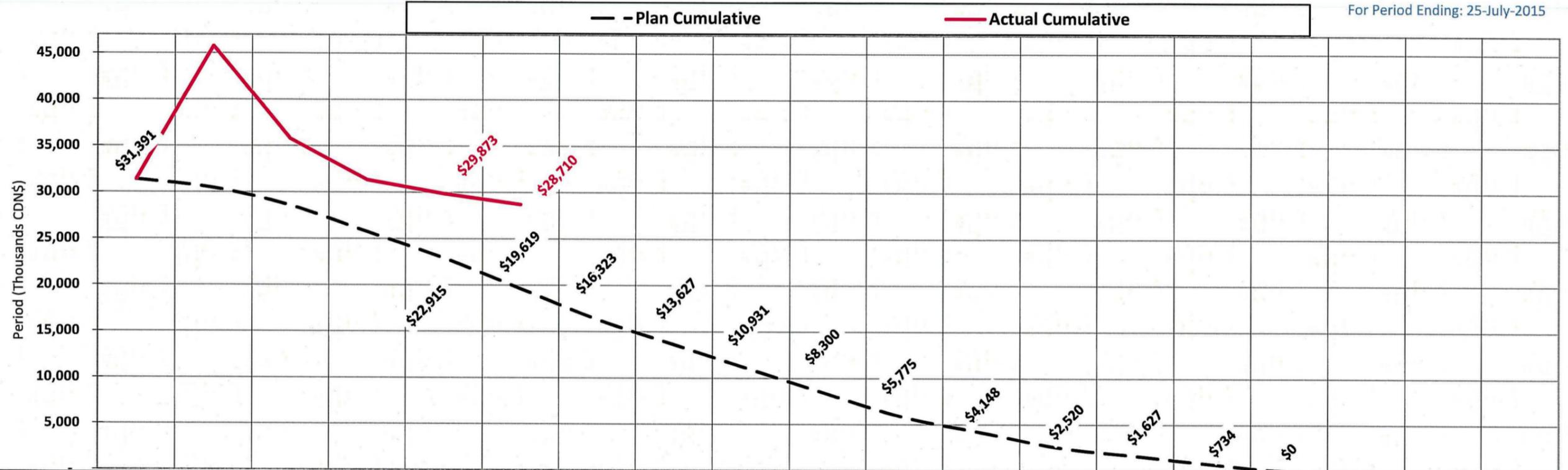
Grouped by: cost category; C.P.
 Period 049 From: 2015-06-25 To: 2015-07-29
 Report Setting: cost report custom rev1
 Project Currency: CAD
 Report Currency: CAD at the rate of: 1.00000000

	Budget			Total Commitment	Outstanding Changes	Trends	Unawarded Scope (Unalloc. Budget)	Incurred this Period	Incurred to Date	Current Forecast	Forecast Variance (Curr-Prev)	Variance (Bud. - Fcst)
	Original	Sc.Ch.&Trans	Revised									
	(1)	(2)	(3=1+2)	(4)				(7)	(5)	(6=3-5)		
4' - Labrador Island Link												
SM0700 - Freight Forwarding Services	7,591,264							3,422,443	24,057,686			
SM0701 - Third Party Quality Surveillance and Ins	1,177,314							20,475	1,270,609			
SM0706 - Supply of Vehicles	879,803							34,538	2,590,898			
SM0707 - Helicopter Services	10,730,051							76,754	933,777			
SM0709 - Air Transportation Services	0							0	0			
SM0714 - EPCM Services	123,568,559							0	41,661,936			
ST0310 - Provision of Geotech - HVdc	4,018,074	-4,018,074	0	0	0	0	0	0	0	0	0	0
ST0312 - Provision of Survey - HVdc	0	0	0	0	0	0	0	0	0	0	0	0
XX0001 - SOBI	352,014,204	-2,188,030	349,826,174	284,494,486	0	-74,578	60,070,325	1,281,504	185,282,484	344,490,232	0	5,335,941
XX0002 - Additional Scope of Work	58,376,785	-42,318,300	16,058,485	13,499,062	0	-78,701	2,548,604	-1,000	1,843,789	15,968,966	-529	89,519
XX0003 - Environmental Approval	0	0	0	0	0	0	0	0	0	0	0	0
XX0004 - Historical cost	85,307,165	-85,307,165	0	0	0	0	0	0	0	0	0	0
XX0005 - Owner Cost	0	0	0	0	0	0	0	0	0	0	0	0
XX0006 - Contingency	86,627,861							0	0			
XX0100 - NE-LCP Owners team , Admin services	92,673,494							2,782,319	92,168,493			
XX0200 - Feasibility Engineering	573,187							0	21,252,045			
XX0300 - Environmental and Regulatory compliance	15,728,194							603,616	9,629,952			
XX0400 - Aboriginal Affairs	1,632,453							976	452,710			
XX0900 - Commercial and Legal	16,565,593							144,584	13,176,377			
ZZ0999 - Unallocated Budget	106,856							0	0			
Sub Total for : 4' - Labrador Island Link	2,609,748,892	176,731,605	2,786,480,497	2,388,175,637	1,279,696	17,400,480	379,624,684	89,692,687	954,137,954	2,786,480,497	-1	1
Grand Total:	2,609,748,892	176,731,605	2,786,480,497	2,388,175,637	1,279,696	17,400,480	379,624,684	89,692,687	954,137,954	2,786,480,497	-1	1





LCP Phase I - Labrador Transmission Asset Project Contingency Drawdown (CDN \$000)



For Period Ending: 25-July-2015

Period	Q2-2014	Q3-2014	Q4-2014	Q1-2015	Q2-2015	Q3-2015	Q4-2015	Q1-2016	Q2-2016	Q3-2016	Q4-2016	Q1-2017	Q2-2017	Q3-2017	Q4-2017	Q1-2018	Q2-2018	Q3-2018	Q4-2018
Plan (AFE rev1)	-	942	1,883	2,825	2,825	3,296	3,296	2,696	2,696	2,631	2,525	1,627	1,627	893	893	734	-	-	-
Consumed	-	(14,400)	10,011	4,431	1,476	1,163	-	-	-	-	-	-	-	-	-	-	-	-	-
Cumulative																			
Plan (AFE rev1)	31,391	30,449	28,566	25,740	22,915	19,619	16,323	13,627	10,931	8,300	5,775	4,148	2,520	1,627	734	-	-	-	-
Actual Budget	31,391	45,791	35,780	31,349	29,873	28,710	-	-	-	-	-	-	-	-	-	-	-	-	-

Note 1: AFE rev1 = Authorization for Expenditure approved by Nalcor Energy Board of Directors on June 2014

Project Cost Status
 PROJECT: 505573 : LOWER CHURCHILL PROJECT
 CLIENT: Nalcor Energy



Grouped by: cost category; C.P.
 Period 049 From: 2015-06-25 To: 2015-07-29
 Report Setting: cost report custom rev1
 Project Currency: CAD
 Report Currency: CAD at the rate of: 1.00000000

	Budget			Total Commitment	Outstanding Changes	Trends	Unawarded Scope (Unalloc. Budget)	Incurred this Period	Incurred to Date	Current Forecast	Forecast Variance (Curr-Prev)	Variance (Bud. - Fcst)
	Original	Sc.Ch.&Trans	Revised									
	(1)	(2)	(3=1+2)	(4)				(7)	(5)	(6=3-5)		
6' - Labrador Transmission Asset												
CD0501 - Converters and Cable Transition Compound	0							0	0			
CD0502 - AC Substations and Synchronous Condenser	67,261,289							566,527	21,757,745			
CD0503 - EarthWorks at Various Power Distribution	18,014,972	5,388,399	23,403,371	23,403,369	0	0	0	0	23,403,369	23,403,369	0	1
CD0504 - Civil and Building works Converters, SY	0							1,259,431	1,770,395			
CD0509 - Telecommunication Services - Phase 2	69,886							2,562	25,323			
CD0510 - Permanent Communication Systems	6,039,754							0	0			
CD0535 - Construction of Const. Tele. Services -	2,066,059	-2,066,059	0	0	0	0	0	0	0	0	0	0
CD0538 - Accommodations Camp (CF)	17,839,372	-12,433,765	5,405,607	5,405,606	0	0	0	0	5,405,607	5,405,606	0	0
CD0566 - Supply of Construction Power	0	198,445	198,445	106,210	0	5,150	87,085	0	106,210	198,445	0	0
CFLCO - CFLCO Work Orders	0	-0	-0	0	0	0	0	0	0	0	0	-0
CH0006 - Bulk Excavation Works	1,200,749	3,124,054	4,324,803	4,491,230	-3,647	59,577	0	0	4,509,204	4,547,159	0	-222,356
CH0029 - Site Restoration	0							0	0			
CH0048 - Site Clearing Access Road and Ancillary	0	199,045	199,045	199,045	0	0	0	0	199,045	199,045	0	0
CT0319 - Construction of HVac TL	200,262,088	61,999,789	262,261,877	264,791,300	0	-6,093,552	5,808,368	25,226,784	171,154,330	264,506,116	2,087,399	-2,244,239
CT0341 - Clearing of ROW HVac TL	30,703,771	14,726,656	45,430,427	47,115,798	0	-1,685,371	0	0	43,580,559	45,430,427	0	0
CT0354 - Marshaling Yards for HVac Line (HVGB)	0	2,563,880	2,563,880	2,486,899	0	94,618	0	0	2,486,898	2,581,517	0	-17,637
NLH - NLH Work Orders	0	0	0	0	0	0	0	0	0	0	0	0
PD0505 - Switchyard Equipment-AC Substations at C	74,398,647	-74,398,647	0	0	0	0	0	0	0	0	0	0
PD0537 - Power Transformers, AC Substations at CF	24,050,155	-1,111,548	22,938,607	25,691,304	0	-2,840,943	0	1,671,291	24,625,747	22,850,361	0	88,246
PT0300 - Supply of Conductors - HVac	20,880,983	-7,337,371	13,543,612	13,543,612	0	0	0	0	13,543,612	13,543,612	0	0
PT0301 - Supply of Insulators - HVac	4,939,704	-2,116,621	2,823,083	2,823,082	0	0	0	0	2,823,082	2,823,082	0	1
PT0302 - Supply of Towers- HVac	24,434,086	-3,614,374	20,819,712	20,713,660	0	0	106,052	0	20,639,803	20,819,712	20,000	-0
PT0303 - Supply of Hardware - HVac	12,835,064	-4,032,348	8,802,716	8,623,127	0	0	179,589	55,907	8,619,621	8,802,716	0	0
PT0304 - Supply of OPGW - HVac	2,472,133	-592,632	1,879,501	1,752,296	0	55,282	71,923	0	1,751,733	1,879,501	0	0
PT0307 - Supply of Steel Tower Foundations - HVac	5,522,873	1,357,811	6,880,685	6,880,684	0	407,421	0	0	6,765,464	7,288,105	407,421	-407,420
PT0308 - Supply of Steel Tower Foundations- HVdc	0	1,023,750	1,023,750	1,023,750	0	0	1,023,750	0	0	2,047,500	2,047,500	-1,023,750
PT0326 - Supply of Steel Wires - HVac	2,885,849	704,348	3,590,197	3,586,312	0	3,886	0	0	3,586,312	3,590,197	0	-0
PT0335 - Supply of Anchors - HVac	1,988,073	1,422,190	3,410,263	3,419,554	0	0	847	15,475	3,419,554	3,420,400	0	-10,137
SD0536 - Integrated Commissioning Support Service	10,451,497	0	10,451,497	0	0	0	10,451,497	0	0	10,451,497	0	0
SD0560 - Provision of Early Works & Starter Camp	0							104,898	531,338			
SD0564 - CF Camp Services	103,824	15,238,073	15,341,897	13,329,041	2,940	941,018	1,068,900	340,767	5,649,628	15,341,899	0	-1
SH0018 - Catering, Housekeeping and Janitorial	0							0	6,785			
SH0022 - Fuel Supply and Dispensing Services (MF)	0							135,991	595,408			
SH0054 - Temporary Site Services	0	0	0	0	0	0	0	0	0	0	0	0
SM0700 - Freight Forwarding Services	528,515							296,246	13,626,880			
SM0701 - Third Party Quality Surveillance and Ins	1,146,823							56,089	1,146,709			
SM0706 - Supply of Vehicles	173,100	726,376	899,476	173,100	0	0	726,376	0	155,725	899,476	0	0
SM0707 - Helicopter Services	748,712	-135,406	613,306	500,000	0	0	113,306	561	354,196	613,306	0	0
SM0709 - Air Transportation Services	0	134,000	134,000	0	0	0	134,000	0	0	134,000	0	0
SM0713 - 2012 Field Geotechnical Investigations	0	11,244	11,244	11,893	0	0	0	649	11,893	11,893	649	-649
SM0714 - EPCM Services	71,332,365							0	37,199,059			
ST0309 - Provision of Geotech - HVac	956,750	-956,750	0	0	0	0	0	0	0	0	0	0

Parameters: cost category: LIKE: 6% FROM: All TO All; C.P.: LIKE: All FROM: All TO All Taxes excluded

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Project Cost Status
 PROJECT: 505573 : LOWER CHURCHILL PROJECT
 CLIENT: Nalcor Energy



CMRPPCOSTA

Grouped by: cost category; C.P.

Period 049 From: 2015-06-25 To: 2015-07-29

Report Setting: cost report custom rev1

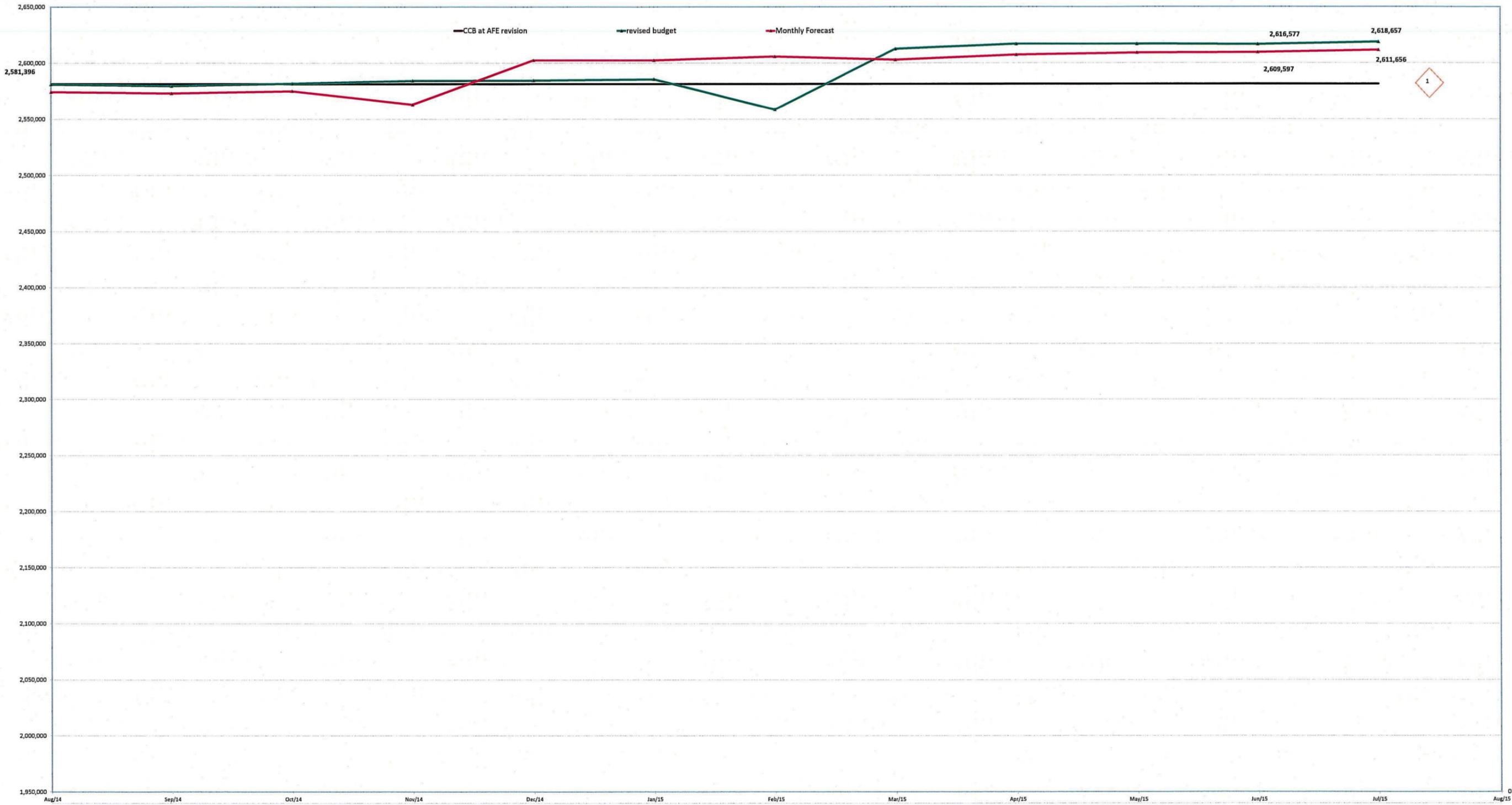
Project Currency: CAD

Report Currency: CAD at the rate of: 1.00000000

	Budget			Total Commitment	Outstanding Changes	Trends	Unawarded Scope (Unalloc. Budget)	Incurred this Period	Incurred to Date	Current Forecast	Forecast Variance (Curr-Prev)	Variance (Bud. - Fcst)
	Original	Sc.Ch.&Trans	Revised									
	(1)	(2)	(3=1+2)	(4)				(7)	(5)		(6=3-5)	
6' - Labrador Transmission Asset												
ST0311 - Provision of Survey - HVac	0	135,074	135,074	135,075	0	0	0	0	135,075	135,075	0	-1
XX0002 - Additional Scope of Work	11,416,285	276,397	11,692,682	10,129,667	0	0	1,563,015	-649	8,025,445	11,692,682	0	0
XX0003 - Environmental Approval	0	0	0	0	0	0	0	0	0	0	0	0
XX0004 - Historical cost	4,196,093	-4,196,093	0	0	0	0	0	0	0	0	0	0
XX0005 - Owner Cost	0	0	0	0	0	0	0	0	0	0	0	0
XX0006 - Contingency	54,375,314							0	0			
XX0100 - NE-LCP Owners team , Admin services	14,694,328							1,414,981	47,927,167			
XX0200 - Feasibility Engineering	125,875							0	220,034			
XX0300 - Environmental and Regulatory compliance	699,910							-405	808,585			
XX0400 - Aboriginal Affairs	188,302							174	797			
XX0900 - Commercial and Legal	2,661,245							20,634	2,279,316			
ZZ0999 - Unallocated Budget	-81,962							0	0			
Sub Total for : 6' - Labrador Transmission Asset	691,582,486	140,362,586	831,945,071	763,134,814	-707	-6,406,944	75,217,909	31,167,912	478,847,652	831,945,072	0	-1
Grand Total:	691,582,486	140,362,586	831,945,071	763,134,814	-707	-6,406,944	75,217,909	31,167,912	478,847,652	831,945,072	0	-1



C1 COST FORECAST VARIATION



Issue 4: July vs June Variance
Refer to detailed sheet

Project Cost Status
 PROJECT: 505573 : LOWER CHURCHILL PROJECT
 CLIENT: Nalcor Energy



Grouped by:C.P.
 Period 049 From: 2015-06-25 To: 2015-07-29
 Report Setting: cost report custom rev1
 Project Currency: CAD
 Report Currency: CAD at the rate of: 1.00000000

	Budget			Total Commitment	Outstanding Changes	Trends	Unawarded Scope (Unalloc. Budget)	Incurred this Period	Incurred to Date	Current Forecast	Forecast Variance (Curr-Prev)	Variance (Bud. - Fcst) (6=3-5)
	Original (1)	Sc.Ch.&Trans (2)	Revised (3=1+2)									
CH0002 - Accommodations Complex Buildings	66,895,398	80,307,362	147,202,759	144,882,390	0	320,370	2,000,000	30,500	144,731,026	147,202,760	2,000,000	-0
CH0003 - Administrative Buildings	8,652,347	11,493,454	20,145,801	19,397,414	1,442,359	6,360	0	0	20,055,514	20,846,133	0	-700,331
CH0004 - Southside Access Road	40,359,578	15,985,199	56,344,777	56,344,777	0	0	0	0	56,344,777	56,344,777	0	0
CH0005 - Accommodation Complex Site Utilities	18,577,209	-18,577,209	0	0	0	0	0	0	0	0	0	0
CH0006 - Bulk Excavation Works	139,882,886	8,299,846	148,182,731	138,918,273	-1,471,308	6,037,955	0	0	143,446,966	143,484,921	0	4,697,810
CH0007 - Intake, Powerhouse, Spillway & Trans Dam	751,987,716							49,510,357	501,570,347			
CH0008 - North Spur Stabilization Works	66,427,162	76,473,846	142,901,008	142,980,136	-1,537,000	466,972	37,028	10,912,432	30,864,864	141,947,136	-808,367	953,872
CH0009 - North and South Dams	127,689,866							0	222,646			
CH0029 - Site Restoration	0							0	0			
CH0030 - Turbines and Generators	205,387,347							3,652,388	75,209,995			
CH0031 - Mechanical and Electrical Auxiliaries (M	101,096,139							0	0			
CH0032 - Hydro-Mechanical Equipment	104,242,075							1,868,480	62,236,089			
CH0033 - Powerhouse Cranes	9,564,462							191,789	7,171,997			
CH0034 - Powerhouse Elevator	808,729	-309,733	498,996	498,996	0	0	0	0	0	498,996	0	0
CH0039 - McKenzie River Bridge	2,654,965	3,383,740	6,038,705	5,769,729	0	640,000	0	0	5,757,130	6,409,729	0	-371,024
CH0046 - Spillway Hydro-Mechanical Equipment	52,899,185	-52,899,185	0	0	0	0	0	0	0	0	0	0
CH0048 - Site Clearing Access Road and Ancillary	3,635,203	4,374,825	8,010,028	8,010,028	0	0	0	0	7,952,818	8,010,028	0	0
CH0049 - Log Booms	8,260,217							31,719	68,118			
CH0052 - Habitat Compensation	11,304,315							0	0			
CH0062 - Offside Roads and Bridges	0	48,000	48,000	48,000	0	0	0	0	48,000	48,000	0	0
CH0068 - MF Construction Power - Remaining Works	0							80,141	1,410,703			
PH0014 - GSU Transformer	20,549,016	-5,298,546	15,250,470	15,012,670	0	200,000	0	-2,733	1,929,012	15,212,670	0	37,800
PH0015 - Isolated Phase Bus	1,902,522	125,000	2,027,522	950,823	0	0	1,076,699	3,359	58,321	2,027,522	0	0
PH0016 - Generator Circuit Breakers	5,170,372	-3,455,176	1,715,196	1,715,196	0	0	0	68,018	290,315	1,715,196	0	0
PH0035 - Station Service Transformers	0	0	0	0	0	0	0	0	0	0	0	0
PH0036 - Auxiliary Transformers	474,712	100,066	574,778	555,808	0	18,970	0	0	555,808	574,778	0	0
PH0037 - 25 kV Switchgear	1,381,328	-1,381,328	0	0	0	0	0	0	0	0	0	0
PH0038 - Emergency Diesel Generators	1,754,986	264,677	2,019,663	2,019,663	0	0	0	0	2,019,368	2,019,663	0	1
PH0053 - LCP Used Camp	0	18,177,409	18,177,409	18,548,573	-11,399	0	-359,765	0	18,173,167	18,177,409	0	-0
PH0058 - Supply of 600 V Switchgear	0							47,162	870,840			
SH0001 - Physical Hydraulic Model	723,100	0	723,100	723,100	0	0	0	0	723,100	723,100	0	0
SH0018 - Catering, Housekeeping and Janitorial	122,708,010							3,766,097	37,605,007			
SH0019 - Security Services	24,344,663							938,005	19,306,737			
SH0020 - Medical Services	20,822,244							801,435	8,227,271			
SH0021 - Road Maintenance and Snow Clearing Servi	9,152,021	-9,152,021	0	0	0	0	0	0	0	0	0	0
SH0022 - Fuel Supply and Dispensing Services (MF)	841,507							334,999	4,890,060			
SH0040 - Garbage Removal and Disposal Services	2,860,484							297,841	3,012,102			
SH0041 - Personnel Transport	14,041,433							538,060	8,685,846			
SH0051 - Building Maintenance Services (MF)	26,266,704							224,773	960,845			
SH0054 - Temporary Site Services	0	24,535,048	24,535,048	24,525,774	22,500	867,191	9,274	0	25,424,740	25,424,739	0	-889,691
SH0063 - Provision of Site Services	0	0	0	0	0	0	0	0	0	0	0	0
SH0066 - Hydraulic Model - North Dam	0	398,140	398,140	358,670	0	0	0	0	358,670	358,670	0	39,470
SM0704 - Surveying Services	14,671,329	-6,354,456	8,316,873	22,924,414	105,090	-123,711	-14,588,920	0	7,652,886	8,316,874	0	-1

Parameters: C.P.: LIKE: All FROM: All TO All Taxes excluded
 Filter: C1 PACKAGES - LATEST

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Project Cost Status
 PROJECT: 505573 : LOWER CHURCHILL PROJECT
 CLIENT: Nalcor Energy

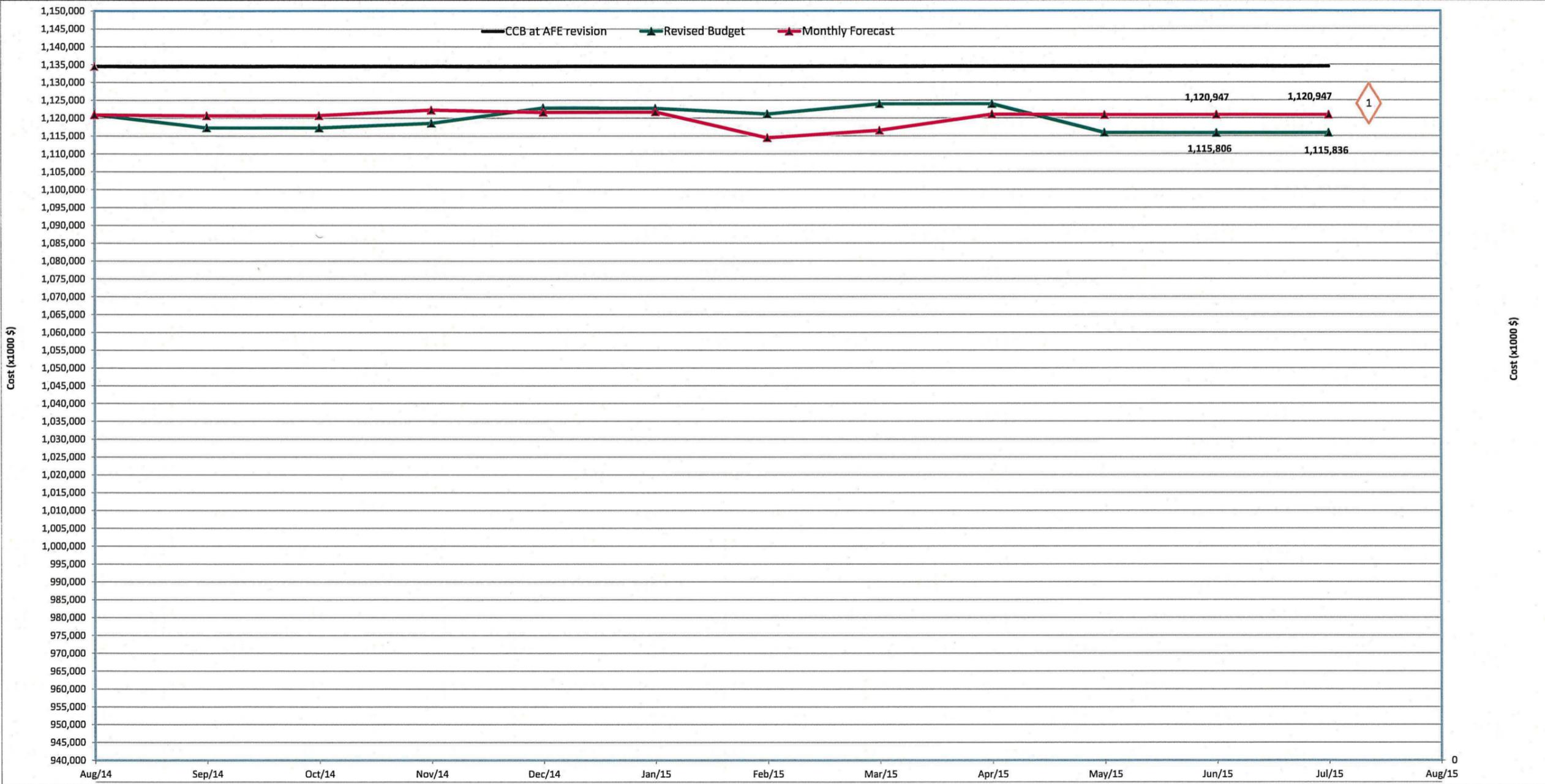


Grouped by:C.P.
 Period 049 From: 2015-06-25 To: 2015-07-29
 Report Setting: cost report custom rev1
 Project Currency: CAD
 Report Currency: CAD at the rate of: 1.00000000

	Budget			Total Commitment	Outstanding Changes	Trends	Unawarded Scope (Unalloc. Budget)	Incurred this Period	Incurred to Date	Current Forecast	Forecast Variance (Curr-Prev)	Variance (Bud. - Fcst)
	Original (1)	Sc.Ch.&Trans (2)	Revised (3=1+2)									
SM0705 - Laboratory Services	34,069,577	-18,870,548	15,199,029	15,201,299	0	-2,269	0	311,668	3,256,099	15,199,030	0	-0
SM0713 - 2012 Field Geotechnical Investigations	2,108,854	1,619,818	3,728,672	3,963,781	-234,460	0	0	649	3,715,105	3,729,321	649	-649
Grand Total:	2,024,167,660	594,489,222	2,618,656,882	2,259,656,762	-9,091,699	64,132,181	296,958,350	73,607,139	1,204,806,285	2,611,655,594	2,058,282	7,001,288



C3 COST FORECAST VARIATION



Note 1: July vs June Variance
• See attached for details

3c

Project Cost Status
 PROJECT: 505573 : LOWER CHURCHILL PROJECT
 CLIENT: Nalcor Energy

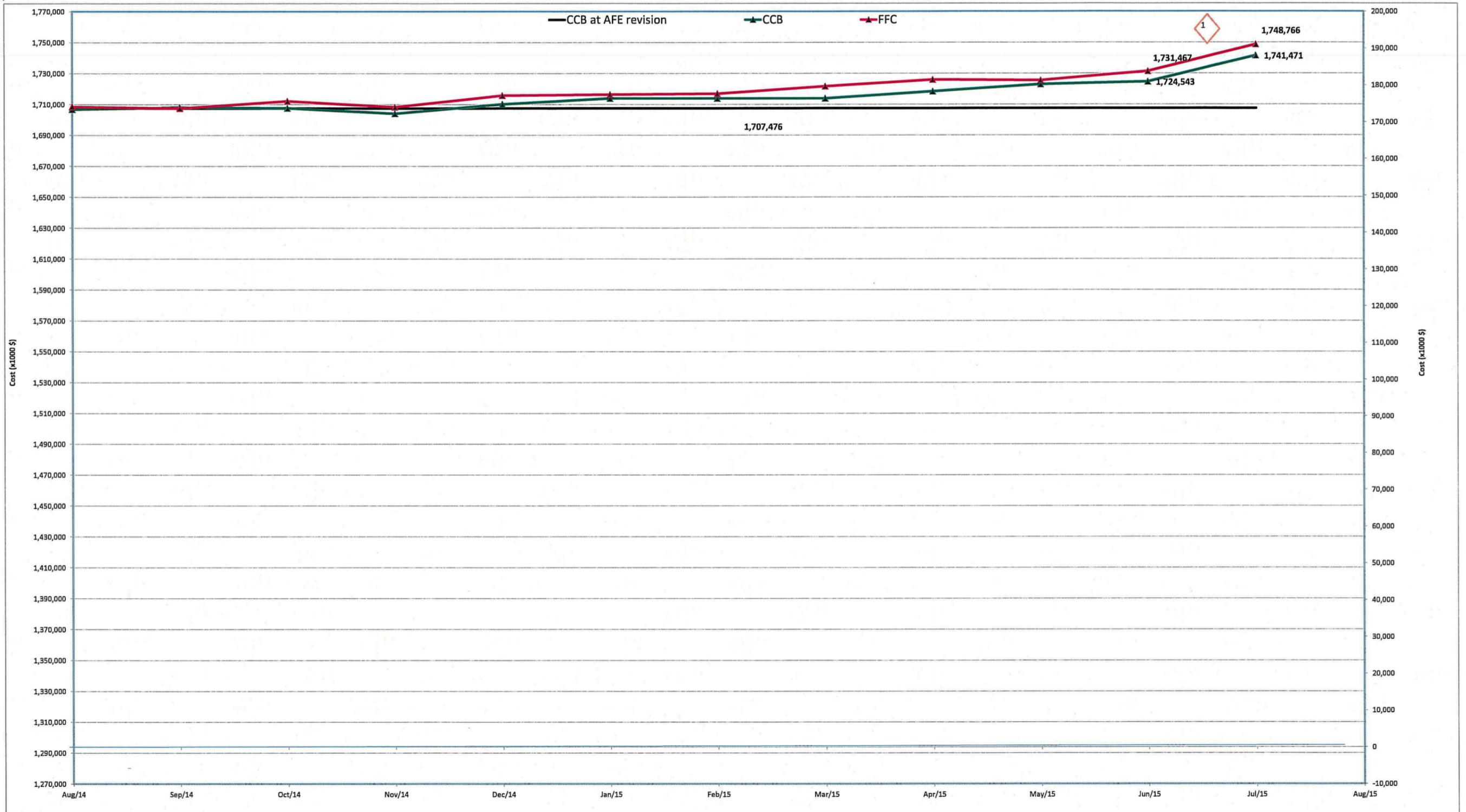


Grouped by:C.P.
 Period 049 From: 2015-06-25 To: 2015-07-29
 Report Setting: cost report custom rev1
 Project Currency: CAD
 Report Currency: CAD at the rate of: 1.00000000

	Budget			Total Commitment	Outstanding Changes	Trends	Unawarded Scope (Unalloc. Budget)	Incurred this Period	Incurred to Date	Current Forecast	Forecast Variance (Curr-Prev)	Variance (Bud. - Fcst)
	Original	Sc.Ch.&Trans	Revised									
	(1)	(2)	(3=1+2)	(4)				(7)	(5)	(6=3-5)		
CD0501 - Converters and Cable Transition Compound	433,082,673							5,906,283	63,197,816			
CD0502 - AC Substations and Synchronous Condenser	153,849,605							825,406	28,586,355			
CD0503 - EarthWorks at Various Power Distribution	67,511,852	-15,423,037	52,088,815	52,088,813	0	22,500	-22,500	0	52,087,063	52,088,813	0	2
CD0504 - Civil and Building works Converters, SY	0							3,697,876	5,116,599			
CD0508 - Electrodes Sites	30,324,143	-7,383,502	22,940,641	13,369,038	7,180	1,288,585	8,275,839	2,237,372	7,048,224	22,940,642	7,136	-0
CD0509 - Telecommunication Services - Phase 2	13,992,843							66,808	4,640,322			
CD0510 - Permanent Communication Systems	25,940,730							0	0			
CD0512 - Construction Power Facilities	9,222,116	3,478,259	12,700,375	12,700,375	0	0	0	0	12,700,375	12,700,375	0	-0
CD0534 - Soldiers Pond Synchronous Condensers Fac	80,678,443							8,959,753	41,760,437			
CD0535 - Construction of Const. Tele. Services -	7,035,756	-7,035,756	0	0	0	0	0	0	0	0	0	0
CD0538 - Accommodations Camp (CF)	17,839,372	-12,433,765	5,405,607	5,405,606	0	0	0	0	5,405,607	5,405,606	0	0
CD0566 - Supply of Construction Power	0	3,844,802	3,844,802	2,970,419	0	326,840	547,542	1,724	1,311,515	3,844,801	0	0
CD0568 - Offsite Infrastructure Upgrades	0	3,113,200	3,113,200	1,035,200	0	0	2,078,000	0	1,026,253	3,113,200	0	0
PD0505 - Switchyard Equipment-AC Substations at C	98,321,259	-98,321,259	0	0	0	0	0	0	0	0	0	0
PD0513 - 138/25 kV Transformers	2,176,538	470,899	2,647,437	2,647,437	0	0	0	0	2,647,437	2,647,437	0	0
PD0514 - 138 kV and 25 kV Circuit Breakers	204,749	36,487	241,236	241,236	0	0	0	0	241,236	241,236	0	0
PD0515 - 230kV,138kV and 25kV Disconnect Switches	215,228	41,434	256,662	256,662	0	0	0	0	256,662	256,662	0	0
PD0518 - 138kV Capacitor Voltage Transformers	25,876	-1,336	24,540	24,540	0	0	0	0	24,540	24,540	0	0
PD0519 - 25 kV Vacuum Interrupters	142,352	23,409	165,761	165,761	0	0	0	0	165,761	165,761	0	0
PD0520 - 25 kV 6 x 3.6 MVAR Capacitor Banks	206,881	38,865	245,746	245,746	0	0	0	0	245,746	245,746	0	0
PD0522 - Pre-fabricated Control Room Building	822,811	284,511	1,107,322	1,107,322	0	0	0	0	1,107,322	1,107,322	0	0
PD0523 - Substation Service Transformer	18,204	32	18,236	18,236	0	0	0	0	18,236	18,236	0	0
PD0529 - 25kV Reclosers	62,751	73,611	136,362	136,362	0	0	0	0	136,362	136,362	0	0
PD0530 - 138 kV and 25 kV Surge Arresters	41,254	71	41,325	41,325	0	0	0	0	41,325	41,325	0	0
PD0531 - MV Instrument Transformer	55,410	102	55,512	55,512	0	0	0	0	55,512	55,512	0	0
PD0533 - Early Works Telecom Devices	319,443	-71,305	248,138	248,138	0	0	0	0	248,138	248,138	0	-0
PD0537 - Power Transformers, AC Substations at CF	31,093,446	3,292,189	34,385,635	36,894,984	0	-2,732,392	0	4,896,756	34,433,357	34,162,592	0	223,043
PD0561 - D20 RTU & Cabinet (CF)-Construction Powe	50,103	-13,397	36,706	36,706	0	0	0	0	36,706	36,706	0	0
PD0562 - Protection Front Panels (CF)	99,828	58,903	158,731	158,731	0	0	0	0	158,731	158,731	0	0
PD0563 - 138 kV Circuit Switcher (CF), MV Switche	116,767	-7,686	109,081	109,081	0	0	0	0	109,081	109,081	0	0
SD0536 - Integrated Commissioning Support Service	16,141,864	0	16,141,864	0	0	0	16,141,864	0	0	16,141,864	0	0
SD0560 - Provision of Early Works & Starter Camp	312,456							144,749	1,522,141			
SD0564 - CF Camp Services	103,824	15,238,073	15,341,897	13,329,041	2,940	941,018	1,068,900	340,767	5,649,628	15,341,899	0	-1
SD0565 - Marine Geo-tech Electrodes	0	333,260	333,260	333,260	0	0	0	0	333,260	333,260	0	0
SD0567 - Installation of Geodetic Control Survey	0	39,179	39,179	39,179	0	0	0	0	39,179	39,179	0	0
Grand Total:	990,008,577	125,827,402	1,115,835,978	943,077,742	35,241	21,713,441	156,120,612	27,077,493	270,350,926	1,120,947,035	-5	-5,111,057

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C4 COST FORECAST VARIATION



Note 1: July vs June Variance
• see details on attached sheet

Project Cost Status
 PROJECT: 505573 : LOWER CHURCHILL PROJECT
 CLIENT: Nalcor Energy



Grouped by: C.P.
 Period 049 From: 2015-06-25 To: 2015-07-29
 Report Setting: cost report custom rev1
 Project Currency: CAD
 Report Currency: CAD at the rate of: 1.00000000

	Budget			Total Commitment	Outstanding Changes	Trends	Unawarded Scope (Unalloc. Budget)	Incurred this Period	Incurred to Date	Current Forecast	Forecast Variance (Curr-Prev)	Variance (Bud. - Fcst)
	Original	Sc.Ch.&Trans	Revised									
	(1)	(2)	(3=1+2)	(4)				(7)	(5)	(6=3-5)		
CH0024 - Reservoir Clearing North Bank	57,310,625	71,879,775	129,190,400	129,170,400	0	0	20,000	0	81,844,211	129,190,400	0	0
CT0319 - Construction of HVac TL	204,427,902	63,272,723	267,700,625	270,222,101	0	-6,093,552	5,816,315	25,226,784	171,154,330	269,944,864	2,087,399	-2,244,239
CT0327 - Construction of HVdc TL - 1	392,729,526	600,567,967	993,297,493	967,449,458	0	924,744	25,848,036	48,182,765	212,515,425	994,222,238	10,850,001	-924,745
CT0341 - Clearing of ROW HVac TL	30,703,771	14,726,656	45,430,427	47,115,798	0	-1,685,371	0	0	43,580,559	45,430,427	0	0
CT0342 - Construction of AC TL - Island	14,134,585	909,991	15,044,577	4,019,442	0	-4,887,003	11,025,135	0	3,558,435	10,157,574	-562,797	4,887,003
CT0343 - Clearing of ROW HVdc TL - 1	96,975,584	-96,975,584	0	0	0	0	0	0	0	0	0	0
CT0345 - Clearing of ROW HVdc TL - 2	57,585,444	-57,585,444	0	0	0	0	0	0	0	0	0	0
CT0346 - Construction of HVdc TL - 2	187,414,391	-187,414,391	-0	0	0	0	-0	0	0	-0	-0	0
CT0354 - Marshaling Yards for HVac Line (HVGB)	0	5,341,415	5,341,415	5,181,039	0	160,376	0	0	5,180,290	5,341,415	0	1
CT0355 - Marshaling Yards for HVdc Line	0	8,000,000	8,000,000	2,061,930	0	1,114	5,936,956	74,067	1,390,374	8,000,000	0	0
PT0300 - Supply of Conductors - HVac	20,880,983	-7,337,371	13,543,612	13,543,612	0	0	0	0	13,543,612	13,543,612	0	0
PT0301 - Supply of Insulators - HVac	4,939,704	-2,116,621	2,823,083	2,823,082	0	0	0	0	2,823,082	2,823,082	0	1
PT0302 - Supply of Towers - HVac	24,434,086	-3,614,374	20,819,712	20,713,660	0	0	106,052	0	20,639,803	20,819,712	20,000	-0
PT0303 - Supply of Hardware - HVac	12,835,064	-4,032,348	8,802,716	8,623,127	0	0	179,589	55,907	8,619,621	8,802,716	0	0
PT0304 - Supply of OPGW - HVac	2,472,133	-592,632	1,879,501	1,752,296	0	55,282	71,923	0	1,751,733	1,879,501	0	0
PT0307 - Supply of Steel Tower Foundations - HVac	5,522,873	1,357,811	6,880,685	6,880,684	0	407,421	0	0	6,765,464	7,288,105	407,421	-407,420
PT0308 - Supply of Steel Tower Foundations - HVdc	24,071,995	3,098,597	27,170,592	27,170,592	0	2,167,993	0	605,873	22,477,964	29,338,585	2,167,993	-2,167,993
PT0326 - Supply of Steel Wires - HVac	2,885,849	704,348	3,590,197	3,586,312	0	3,886	0	0	3,586,312	3,590,197	0	-0
PT0328 - Supply of Conductors - HVdc	89,474,058	-38,485,050	50,989,008	51,346,459	0	108,550	0	3,998,283	49,758,340	51,455,008	0	-466,000
PT0329 - Supply of Insulators - HVdc	52,513,276	-31,046,932	21,466,344	21,361,188	0	355,000	0	6,434	21,317,622	21,716,188	0	-249,844
PT0330 - Supply of Towers - HVdc	63,048,979	-9,853,914	53,195,066	51,136,266	1,247,253	5,094,270	0	1,529,886	30,331,310	57,477,789	2,272,723	-4,282,723
PT0331 - Supply of Hardware - HVdc	6,867,096	20,255,121	27,122,217	21,537,825	2,706	95,991	5,485,695	1,320,801	16,794,928	27,122,216	-0	0
PT0334 - Supply of Wires - HVdc	1,914,335	5,448,254	7,362,589	7,342,219	0	246,585	0	0	7,342,219	7,588,804	0	-226,215
PT0335 - Supply of Anchors - HVac	1,988,073	1,422,190	3,410,263	3,419,554	0	0	847	15,475	3,419,554	3,420,400	0	-10,137
PT0336 - Supply of 25 kV Hardware	497,042	75,970	573,012	573,013	0	0	0	0	573,013	573,013	0	-1
PT0337 - Supply of 25 kV ADSS	467,173	-82,735	384,438	384,438	0	0	0	0	384,438	384,438	0	0
PT0338 - Supply of 25 kV Conductors	344,111	-28,733	315,378	315,378	0	0	0	0	315,378	315,378	0	0
PT0339 - Supply of 25 kV Insulators	65,096	-7,403	57,693	57,693	0	0	0	0	57,693	57,693	0	0
PT0340 - Supply of Poles for 138/25 KV	391,185	12,514	403,699	403,699	0	0	0	0	403,699	403,699	0	-0
PT0351 - Supply of Poles	477,982	0	477,982	1,221,237	0	0	477,982	610,618	610,618	1,699,219	0	-1,221,237
PT0352 - Supply of Anchors - HVdc	22,878,411	-7,066,130	15,812,281	15,812,279	0	56,600	0	1,119,771	9,899,378	15,868,879	56,600	-56,598
PT0353 - Supply of OPGW - HVdc	4,285,092	4,635,394	8,920,486	8,463,843	0	80,783	300,869	596,912	8,319,144	8,845,495	0	74,990
PT0356 - Supply of Dampers HVdc	0	1,330,688	1,330,688	1,330,687	0	0	0	0	1,330,687	1,330,687	0	1
ST0309 - Provision of Geotech - HVac	956,750	-956,750	0	0	0	0	0	0	0	0	0	0
ST0310 - Provision of Geotech - HVdc	4,018,074	-4,018,074	0	0	0	0	0	0	0	0	0	0
ST0311 - Provision of Survey - HVac	0	135,074	135,074	135,075	0	0	0	0	135,075	135,075	0	-1
ST0312 - Provision of Survey - HVdc	0	0	0	0	0	0	0	0	0	0	0	0
Grand Total:	1,389,511,249	351,960,002	1,741,471,251	1,695,154,385	1,249,959	-2,907,332	55,269,398	83,343,577	750,424,310	1,748,766,410	17,299,340	-7,295,159

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Project Cost Status
 PROJECT: 505573 : LOWER CHURCHILL PROJECT
 CLIENT: Nalcor Energy

Grouped by: C.P.; Nalcor Code; Physical component
 Period 049 From: 2015-06-25 To: 2015-07-29
 Report Setting: cost report custom rev1

Project Currency: CAD
 Report Currency: CAD at the rate of: 1.00000000

	Budget			Total Commitment	Outstanding Changes	Trends	Unawarded Scope (Unalloc. Budget)	Incurred this Period	Incurred to Date	Current Forecast	Forecast Variance (Curr-Prev)	Variance (Bud. - Fcst)
	Original	Sc.Ch.&Trans	Revised									
	(1)	(2)	(3=1+2)	(4)					(7)	(5)	(6=3-5)	
XX0001 - SOBI												
4 - Labrador Island Transmission Link (LITL)												
0000 - No Physical Component	352,014,204	-352,014,204	-0	0	0	0	0	0	0	0	0	-0
Sub Total for : 4 - Labrador Island Transmission Link (LITL)	352,014,204	-352,014,204	-0	0	0	0	0	0	0	0	0	-0
4230200000 - Geotechnical Investigations - LITL												
8510 - Transition Compound - Labrador	0	44,031	44,031	44,031	0	0	0	0	49,109	44,031	0	-0
8520 - Transition Compound - Northern Peninsula	0	83,965	83,965	83,965	0	0	0	0	83,315	83,965	0	0
Sub Total for : 4230200000 - Geotechnical Investigations - LITL	0	127,996	127,996	127,996	0	0	0	0	132,424	127,996	0	0
4290000001 - SOBI subsea cable and installation												
8100 - dc Specialties - Marine Crossings	0	154,749,971	154,749,971	126,548,607	0	5,261,364	22,940,000	1,038,944	61,440,786	154,749,971	0	-0
Sub Total for : 4290000001 - SOBI subsea cable and installation	0	154,749,971	154,749,971	126,548,607	0	5,261,364	22,940,000	1,038,944	61,440,786	154,749,971	0	-0
4290000002 - SOBI subsea protection												
8100 - dc Specialties - Marine Crossings	0	72,511,006	72,511,006	56,529,173	0	0	15,981,833	161,794	31,294,724	72,511,006	0	0
Sub Total for : 4290000002 - SOBI subsea protection	0	72,511,006	72,511,006	56,529,173	0	0	15,981,833	161,794	31,294,724	72,511,006	0	0
4290000003 - SOBI Landfall												
8100 - dc Specialties - Marine Crossings	0	87,362,184	87,362,184	77,155,984	0	0	10,206,201	31,292	73,636,371	87,362,185	0	-1
Sub Total for : 4290000003 - SOBI Landfall	0	87,362,184	87,362,184	77,155,984	0	0	10,206,201	31,292	73,636,371	87,362,185	0	-1
4290000008 - Project Engineering and Misc works												
8100 - dc Specialties - Marine Crossings	0	11,835,974	11,835,974	8,729,073	0	0	3,106,901	34,132	7,988,075	11,835,974	0	0
Sub Total for : 4290000008 - Project Engineering and Misc works	0	11,835,974	11,835,974	8,729,073	0	0	3,106,901	34,132	7,988,075	11,835,974	0	0
4290114000 - Third party inspections												
8100 - dc Specialties - Marine Crossings	0	3,211,567	3,211,567	797,149	0	0	2,414,418	15,342	683,241	3,211,567	0	0
Sub Total for : 4290114000 - Third party inspections	0	3,211,567	3,211,567	797,149	0	0	2,414,418	15,342	683,241	3,211,567	0	0
4500030102 - Labrador Electrode Line Construction												
8610 - Electrode Labrador	0	0	0	0	0	0	0	0	0	0	0	0
Sub Total for : 4500030102 - Labrador Electrode Line Construction	0	0	0	0	0	0	0	0	0	0	0	0
4500030103 - Transition Compound Construction												
8510 - Transition Compound - Labrador	0	4,614,074	4,614,074	31,320	0	-4,535,942	4,582,754	0	0	78,132	0	4,535,942
8520 - Transition Compound - Northern Peninsula	0	4,510,050	4,510,050	4,468,320	0	0	41,730	0	0	4,510,050	0	0
Sub Total for : 4500030103 - Transition Compound Construction	0	9,124,124	9,124,124	4,499,640	0	-4,535,942	4,624,484	0	0	4,588,182	0	4,535,942
4521030100 - LITL DC Specialties & Switchyard Civil Works												
8510 - Transition Compound - Labrador	0	7,967,306	7,967,306	7,967,306	0	0	0	0	7,967,306	7,967,306	0	0
8520 - Transition Compound - Northern Peninsula	0	2,936,046	2,936,046	2,139,558	0	-800,000	796,488	0	2,139,558	2,136,046	0	800,000
Sub Total for : 4521030100 - LITL DC Specialties & Switchyard Civil Works	0	10,903,352	10,903,352	10,106,864	0	-800,000	796,488	0	10,106,864	10,103,352	0	800,000
Sub Total for : XX0001 - SOBI	352,014,204	-2,188,030	349,826,174	284,494,486	0	-74,578	60,070,325	1,281,504	185,282,484	344,490,232	0	5,335,941
Grand Total:	352,014,204	-2,188,030	349,826,174	284,494,486	0	-74,578	60,070,325	1,281,504	185,282,484	344,490,232	0	5,335,941

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Forecast Variation

C.P.	Package Description	Variation Description	Previous Cumulative variance	Monthly variance	Total Variance	Comments	CM Ref.	Trend / CN / Sch. ref.
C1		Approved Scope change:						
CH0003	Administrative Buildings	Addition of a sports complex	5,000,000		5,000,000		PCN-0066	SC0005
CH0003	Administrative Buildings	Purchase of washcars	581,111		581,111		PCN-0229	SC0215
SH0051	Building maintenance	Impact of extension of CH0007 by 6 months	2,400,000		2,400,000		PCN-0137	SC0118
SH0040	Garbage removal and disposal	Impact of extension of CH0007 by 6 months	250,000		250,000		PCN-0137	SC0118
SH0019	Security services	Impact of the collective agreement	9,000,000		9,000,000		PCN-0153	SC0101
SH0020	Medical services	Impact of the collective agreement	1,000,000		1,000,000		PCN-0153	SC0101
SH0019	Security services	Impact of extension of CH0007 by 6 months	1,500,000		1,500,000		PCN-0137	SC0118
CH0003	Administrative Buildings	Relocation of concrete lab and tech offices	99,250		99,250		PCN-0195	SC0151
CH0006	Bulk Excavations works	Relocation of concrete lab and tech offices	205,369		205,369		PCN-0195	SC0151
CH0006	Bulk Excavations works	Additional quantities at the switchyard and converter stations	4,300,955		4,300,955		PCN-0194	SC0230
SH0020	Medical services	Impact of extension of CH0007 by 6 months	1,500,000		1,500,000		PCN-0137	SC0118
SH0041	Personnel Transport	Impact of extension of CH0007 by 6 months	1,270,000		1,270,000		PCN-0137	SC0118
CH0002	Accommodations complex Buildings	Adjustment to cover a low estimate	40,994,428		40,994,428		PCN-0119	SC0068/254
CH0002	Accommodations complex Buildings	Crawlspace remediation at the camp		2,000,000	2,000,000		PCN-0486	SC0501
CH0003	Administrative Buildings	additional cost to relocate the admin buildings	3,915,566		3,915,566			SC0005/254
CH0004	Southside Access Road	Claim for SSAR and budget reduction on the road upgrade	3,925,699		3,925,699			SC0254
CH0006	Bulk Excavations works	Scope adjustment, claim	912,521		912,521			SC0254
CH0007	Intake, Powerhouse, Spillway and Transition Dams	Remove LMAX from Budget, cancel credit on the NS and Dams, adjust growth	-20,900,000		-20,900,000			SC0254
CH0008	North Spur Stabilization Works	Additional cost due to changes in quantities and shchedule extension	18,400,000		18,400,000			SC0256
CH0008	North Spur Stabilization Works	North Spur dam break analysis work	15,000		15,000		PCN-0288	SC0285
CH0008	North Spur Stabilization Works	Revision to Power Supply for Group Gilbert and Internet Philosophy		200,000	200,000		PCN-0474	SC0496
CH0009	North and South Dams	Additional cost due to changes in quantities and shchedule extension	61,110,985		61,110,985			SC0256
CH0030	Turbine and generators	Forecast adjustment due to favorable bid prices	-26,781,181		-26,781,181			SC0256
CH0030	Turbine and generators	Increase in cost of the storage	1,021,243		1,021,243		PCN-0386	SC0386
CH0032	Hydro mechanical equipment	multiple Design changes	1,600,125		1,600,125			SC0256
CH0033	Powerhouse Cranes	Reduction of the rated capacity of cranes from 700 to 650 TM	-1,467		-1,467			SC0256
CH0034	Powerhouse elevator	Forecast adjustment to bid prices and latest RFA	-293,313		-293,313			SC0256
CH0052	Habitat compensation	Increase of quantities for the construction works of the fish habitat compensation and provision for wet lands	6,125,000		6,125,000			SC0256
PH0014	GSU Transformer	Forecast adjustment to bid prices	-5,297,366		-5,297,366			SC0256
PH0016	Generator Circuit Breakers	Saving due to favoorable bid values	-2,730,176		-2,730,176			SC0256



Forecast Variation

C.P.	Package Description	Variation Description	Previous Cumulative variance	Monthly variance	Total Variance	Comments	CM Ref.	Trend / CN / Sch. ref.
PH0036	Auxiliary Transformers	Additional transfos required	100,065		100,065			SC0256
PH0053	LCP Used Camp	Alignment to final contract price	-165,156		-165,156			SC0256
SH0019	Security Services	Alignment to bids received	-1,653,412		-1,653,412			SC0254
SH0022	Fuel Dispensing services	Alignment to bids received	1,722,435		1,722,435			SC0254
SH0040	Garbage removal and disposal services	Operational impact caused by the relocation of the Admin. Bldg, cost increase to align with bid received	6,251,575		6,251,575			SC0254
SH0054	Temporary site services	Extension of some services till end of April	1,217,016		1,217,016			SC0254
CH0048	Site Clearing Access Road and Ancillary Areas	Clearing for additional laydown areas and spoil disposal areas, widening the ROW of the construction power, several FWI	3,984,272		3,984,272			SC0254
PH0038	Emergency Diesel Generators	Increase in the capacity of Generators from 3MW to 4 MW	214,047		214,047			SC0256
SH0018	Catering, housekeeping and janitorial	Overall saving between bids and revised budget	-7,455,183		-7,455,183			SC0254
SH0020	Medical services	re evaluation of CA impact, drug tests and vehicules strategy	-4,498,010		-4,498,010			SC0254
CH0002	Accommodations complex Buildings	Additional funds required to execute the camp utilities under the CH0002 contract; Liannu's bid was higher than the estimated budget	22,900,000		22,900,000		PCN-0158	SC0099
SH0054	Temporary site services	Additional TV's for the temporary camp	126,750		126,750		PCN-0136	SC0072
CH0062	Offsite Roads and Bridges	Demonstration Pad	48,000		48,000		PCN-0106	SC0018
CH0007	Intake, Powerhouse, Spillway and Transition Dams	Additional funds to cover the shortfall between the award value and the budget	323,274,315		323,274,315		PCN-0209	SC0208
SH0041	Personnel Transport	Additional funds required due to change in shift and extra bussing and unionizing the workers	8,219,713		8,219,713		PCN-0240	SC0213
PH0053	LCP Used Camp	Supply and install temporary camp from Manitoba Hydro	15,921,000		15,921,000		PCN-0087	SC0041/SC0132
CH0004	Southside Access Road	Caroline brook resource road upgrade	12,000,000		12,000,000		PCN-0196	SC0131
CH0004	Southside Access Road	Closing of SSAR contract	-900,685		-900,685		PCN-0460	SC0482
SH0066	Hydraulic Model - North Dam	North RCC dam physical hydraulic model study	400,000		400,000		PCN-0109	SC0084
CH0009	North and South Dams	Elimination of concrete and replacing it by vertical steps in RCC dam	-9,000,000		-9,000,000		PCN-0109	SC0061
CH0007	Intake, Powerhouse, Spillway and Transition Dams	Extending the schedule by 6 months - indirects cost	20,845,286		20,845,286		PCN-0137	SC0118
CH0007	Intake, Powerhouse, Spillway and Transition Dams	Discharge Channel	7,600,000		7,600,000		PCN-0058	SC0017
CH0007	Intake, Powerhouse, Spillway and Transition Dams	Spillway Low Level Gates - civil	1,850,000		1,850,000		PCN-0055	SC0004
CH0007	Intake, Powerhouse, Spillway and Transition Dams	Reducing the length of the spillway discharge channel	-12,500,000		-12,500,000		PCN-0377	SC0413
SH0022	Fuel Supply	Forecast increase due to Conversion error in O&M cost from bid to contract in addition to price adjustment	3,922,809		3,922,809		PCN-0426	SC0453
CH0008	North Spur Stabilization Works	Confirmation of Quantities at North Spur	2,503,042		2,503,042		PCN-0200	SC0177
CH0008	North Spur Stabilization Works	Re-routing of construction power at the North Spur	300,000	-50,000	250,000		PCN-0084	SC0019
CH0008	North Spur Stabilization Works	Dynamic and Hydrogeological studies	600,000		600,000		PCN-0206	SC0186
CH0039	Mckenzie river bridge	Alignment of forecast with contract value	198,776		198,776		PCN-0291	SC0306
CH0068	MF Construction power- remaining works	Additional funds required to finalize construction power at MF	1,370,000		1,370,000		PCN-0331	SC0310
PH0016	Generator Circuit Breakers	Funds transferred to CH0008 to cover Dynamic and Hydrogeological studies	-600,000		-600,000		PCN-0206	SC0186



Forecast Variation

C.P.	Package Description	Variation Description	Previous Cumulative variance	Monthly variance	Total Variance	Comments	CM Ref.	Trend / CN / Sch. ref.
CH0008	North Spur Stabilization Works	Additional Stabilization works because of risk of slope instability and breaching in the area	1,400,000		1,400,000		PCN-0141	SC0089
CH0030	S/I Turbine and Generators	Milestone revision due to extending the schedule of CH0007 by 6 months	2,000,000		2,000,000		PCN-0137	SC0118
CH0008	North Spur Stabilization Works	Additional geotechnical works at the NS	50,000		50,000		PCN-0405	SC0426
CH0030	Turbine and generators	Adjustment to collective Agreement (CHR-0245)	347,215		347,215		PCN-0336	SC0437
CH0030	T&G Contract	Storage of circular passage liners	\$79,999		\$79,999		PCN-0412	SC0438
CH0007	Intake, Powerhouse, Spillway and Transition Dams	Intake vent pipes	400,000		400,000		PCN-0422	SC0444
SH0019	Security services	Security at the North Spur	600,000		600,000		PCN-0415	SC0432
SH0020	Medical services	Medical services at the North Spur	1,450,000		1,450,000		PCN-0415	SC0432
CH0008	North Spur Stabilization Works	Forecast alignment with value of bids received	53,600,000		53,600,000		PCN-0399	SC0431
CH0032	Hydro mechanical equipment	Adjustment to bid price	52,663,427		52,663,427		PCN-0218	SC0197
PH0058	Supply of 600 V switchgear	S/I of 600 V switchgear	924,196		924,196		PCN-0185	SC0142
CH0039	Mackenzie river	Additional cost for the mackenzie river due to engineering constraints	2,000,000		2,000,000		PCN-0291	SC0352
CH0032	Powerhouse and Spillway hydro mechanical Equipment	Spillway Low Level Gates - Hydromechanical	8,500,000		8,500,000		PCN-0055	SC0004
			631,935,241	2,150,000	634,085,241			
SH0041	Personnel transport	Pending Scope change: Travel allowance for unionised employees (change request #1)	233,691		233,691			CR#1
CH0008	North Spur Stabilization Works	Quantity reduction to the downstream design		-1,792,000	-1,792,000			CR#3
CH0008	North Spur Stabilization Works	Additional Overburden On Quarry Q6		410,000	410,000			T-1225
CH0008	North Spur Stabilization Works	Bypass Road behind GNLC Laydown Area, 3rd party services		473,633	473,633			CN01
CH0032	Hydro mechanical equipment	Primary concrete blockout changes		543,000	543,000		DAN685/686	CN017
CH0032	Hydro mechanical equipment	Remedial works for as built anchor position, Spillway Maintenance Gallery Lighting		143,000	143,000		DAN 1100	CN012/18
CH0033	Powerhouse cranes	Storage and preservation of cranes		180,000	180,000			CN002
CH0007	Intake, Powerhouse, Spillway and Transition Dams	Cancelling the cleaning and maintenance of wash cars	-3,000,000		-3,000,000			CR#0004
CH0030	Turbine and generators	Generation Rejection (CR-0109)	22,151		22,151		DAN-1116	T-1022
CH0030	T&G Contract	Storage of turbine and generator components and foundation parts	\$18,758		\$18,758		DAN-1103/1118	T-0985 CN#39 CN#46
CH0030	T&G Contract	Backcharge for Kinetic stator bar testing	-\$48,700		-\$48,700			T-883
CH0039	Mackenzie river	Bridge removal	371,020		371,020			
CH0006	Bulk Excavations works	Adjustment to final contract value	-5,697,811		-5,697,811			
PH0014	GSU Transformer	Adjustment to final contract value	-37,800		-37,800			
CH0006	Bulk Excavations works	Increase in the forecast related to the disputed amount with IKC-ONE over the bulk excavation contract at MF	1,000,000		1,000,000			T-0786
CH0003	Administrative buildings	Additional cost related to relocation of the admin building, including 2 months claim for absence of construction power to commission the buildings	700,331		700,331			CO#14
SH0066	Hydraulic model north dam	Forecast adjustment to final contract value	-39,470		-39,470			



Forecast Variation

C.P.	Package Description	Variation Description	Previous Cumulative variance	Monthly variance	Total Variance	Comments	CM Ref.	Trend / CN / Sch. ref.
			-6,477,830	-42,367	-6,520,197			
		Design Development						
		Errors & Omissions						
		Bids Received						
		Purchase orders and Construction contracts execution						
Misc.			4,495		4,495			
		SUBTOTAL C1	625,461,906	2,107,633	627,569,539			
C3		Approved Scope change:						
CD0503	Earth works at various power distribution	Removal of FP transition compound from CD0503	-3,458,952		-3,458,952		PCN-0062	SC0009
CD0501	Converters and cable transition compound	MF converter and AC switchyard geotechnical investigation	300,000		300,000		PCN-0112	SC0098
CD0502	Construction of AC Substations	A separate control and protection shelter at CF SY to accommodate the protection panels	372,000		372,000		PCN-0145	SC0090
PD0533	S/I Early works telecom devices	Additional cell and SAT phones to increase safety for workers, deployment of a stand alone LMRS	177,876		177,876		PCN-0126	SC0073
SD0560	Early works construction communications services (MF)	Additional cell and SAT phones to increase safety for workers, deployment of a stand alone LMRS	169,932		169,932		PCN-0136	SC0074
PD0537	Power Transformers, AC Substations at CF, MF and SP	Additional spare transformers and grounding reactors at CF and SP SY	5,740,997		5,740,997		PCN-0113	SC0063
SD0565	Marine Geotech Investigation	Investigation to ensure soil conditions for breakwater at both electrode sites	380,000		380,000		PCN-0068	SC0053
CD0512	Construction Power Facilities	MF change of scope, medical services and CF Accommodations	969,000		969,000		PCN-0095	SC0031/55
CD0534	Soldiers Pond Synchronous Condensers	EPC Contract Strategy Change for Synchronous Condensers	8,424,109		8,424,109		PCN-0148	SC0107
CD0512	Construction Power Facilities	Construction Power Extra Claims	3,200,000		3,200,000		PCN-0165	SC0113
CD0566	Supply of Construction Power	Issue Constuction power to various sites (FP, SC, CF, SP, LDE, DPE)	4,000,000		4,000,000		PCN-0138	SC0126
SD0567	Installation of Geodetic Control Survey	Installation of geodetic control survey for FP, LAD,SC,DP and SP	49,326		49,326		PCN-0168	SC0116/155
CD0502	Construction of AC Substations	Estimate premium for the change in contract strategy from EPCM to EPC for CD0502	47,448,738		47,448,738		PCN-0163	SC0135
PD0537	Power Transformers	Forecast Over Run as per RFA	3,079,909		3,079,909		PCN-0067	SC0205
CD0534	Soldiers Pond Synchronous Condensers	Increase in Synchronous condenser capacity from 150 to 175 MVAR	4,300,000		4,300,000		PCN-0067	SC0205
PD0537	Power Transformers	Forecast Over Run as per RFA	240,751		240,751		PCN-0226	SC0206
CD0502	Construction of AC Substations	Reduction of the SP switchyard by 2 feeders for a total of 13 instead of 15 feeders	-12,359,240		-12,359,240		PCN-0174	SC0159
CD0503	Earthworks at Various Power Distribution Site	Reduction of the SP switchyard by 2 feeders for a total of 13 instead of 15 feeders	156,975		156,975		PCN-0174	SC0159
CD0502	Construction of AC Substations	Reduction in the size and amount of equipment required at CF switchyard	-9,010,806		-9,010,806		PCN-0175	SC0158
CD0503	Earthworks at Various Power Distribution Site	Optimization for Churchill Falls and Solider Ponds site	-22,690,931		-22,690,931		PCN-0175	SC0158/257
CD0503	Earthworks at Various Power Distribution Site	Re-routing of the 13.8 kV distribution line at CF to travel parallel to the existing 138 kV transmission line	617,000		617,000		PCN-0173	SC0163
CD0535	Construction of Const. Tele. Services	Transfer of Telecoms Scope from CD0535 to SD0560	-7,035,756		-7,035,756		PCN-0162	SC0123
CD0501	Converters and cable transition compound	Optimization and Contract strategy changes for the converter station and the transition compounds.	25,204,634		25,204,634		PCN-258	SC0259



Forecast Variation

C.P.	Package Description	Variation Description	Previous Cumulative variance	Monthly variance	Total Variance	Comments	CM Ref.	Trend / CN / Sch. ref.
CD0501	Converters and cable transition compound	Budget alignment to final contract value for Geotech work	-30,543		-30,543		Rebaseline	SC0257/265
CD0502	Construction of AC Substations	Funds to cover the shortfall between the award value and the budget (Includes additional equipment for revenue & statistical metering and civil scope)	61,756,260		61,756,260		Rebaseline	SC0257
CD0502	Construction of AC Substations	Cost of the HVGB line to Gull Island	-10,203,988		-10,203,988		Rebaseline	SC0257
CD0512	Construction Power Facilities	Budget alignment to final contract value	-676,331		-676,331		Rebaseline	SC0257
CD0534	Soldiers Pond Synchronous Condensers	Alignment to contract forecast - Includes additional budget for equipment, civil work and increased market condition costs.	45,000,000		45,000,000		Rebaseline	SC0257
CD0538	Accommodation Camp (CF)	Budget alignment to final contract value	-5,227		-5,227		Rebaseline	SC0257
CD0566	Supply of Construction Power	Budget alignment to contract forecast -Saving on installation of infrasturture at Soldiers Pond and Forteau Point	-659,608		-659,608		Rebaseline	SC0257
PD0513	138/25 kV Transformers	Budget alignment to final contract value	471,329		471,329		Rebaseline	SC0257
PD0514	138 kV and 25 kV Circuit Breakers	Budget alignment to final contract value	40,351		40,351		Rebaseline	SC0257
PD0515	230 kV, 138 kV and 25 kV Disconnect Switches	Budget alignment to final contract value	41,558		41,558		Rebaseline	SC0257
PD0518	138 kV Capacitor Voltage Transformers	Budget alignment to final contract value	-1,336		-1,336		Rebaseline	SC0257
PD0519	25 kV Vacuum Interrupters	Budget alignment to final contract value	50,110		50,110		Rebaseline	SC0257
PD0520	25 KV 6 x 3.6 MVAR Capacitor Banks	Budget alignment to final contract value	38,865		38,865		Rebaseline	SC0257
PD0522	Pre-fabricated Control Room Building	Budget alignment to final contract value	330,897		330,897		Rebaseline	SC0257
PD0523	Substation Service Transformers	Budget alignment to final contract value	32		32		Rebaseline	SC0257
PD0529	25 kV Reclosers	Budget alignment to final contract value	74,893		74,893		Rebaseline	SC0257
PD0530	138 kV and 25 Kv Surge Arresters	Budget alignment to final contract value	71		71		Rebaseline	SC0257
PD0531	MV Instrument Transformers	Budget alignment to final contract value	102		102		Rebaseline	SC0257
PD0537	Power Transformers, AC Substations at CF, MF and SP	Budget alignment to final contract value	-2,721,868		-2,721,868		Rebaseline	SC0257
PD0537	Power Transformers, AC Substations at CF, MF and SP	Cost of the HVGB line to Gull Island	-3,047,600		-3,047,600		Rebaseline	SC0257
PD0561	D20 RTU & Cabinet (CF) - Construction Power	Budget alignment to Final contract value	1,246		1,246		Rebaseline	SC0257
CD0503-002	Earth Works at Soldiers Pond	Increase in Quantities Due to Site Conditions. (Terrafix Erosion Control Blanket, Slope protection , Rock fill)	288,150		288,150		PCN-0312	SC0298
CD0502	Construction of AC Substations	Reduction in CVTs at CF	-118,642		-118,642		PCN-0304	SC0311
CD0502	Construction of AC Substations	Change to GIS - savings on base price for package	-5,071,642		-5,071,642		PCN-0305	SC0312
CD0501-001	Converters and cable transition compound	Creepage Distance for Equipment in ac Terminal Stations	288,000		288,000		PCN-0311	SC0313
CD0502	Construction of AC Substations	Creepage Distance for Equipment	258,567		258,567		PCN-0311	SC0313
CD0502	Construction of AC Substations	Growth allowance for Additional O&M Assistance, optimization of controls buildings, underrun on supply of granular at CF, etc.	2,099,409		2,099,409		PCN-0314	SC0314
CD0502	Construction of AC Substations	Change in Civil Contracting Strategy	-11,600,000		-11,600,000		PCN-0307	SC0315
CD0501-001	Converters and cable transition compound	Removal of MF substation breakers due to GIS	-2,789,507		-2,789,507		PCN-0305	SC0312
PD0562	Protection Front Panels (CF)	Budget alignment to Final contract value	58,903		58,903		Rebaseline	SC0257
PD0563	138 kV Circuit Switcher (CF), MV Switcher	Budget alignment to Final contract value	2,064		2,064		Rebaseline	SC0257



Forecast Variation

C.P.	Package Description	Variation Description	Previous Cumulative variance	Monthly variance	Total Variance	Comments	CM Ref.	Trend / CN / Sch. ref.
SD0564	CF camp services	FWO issued during Mobilization of Camp	52,059		52,059		Rebaseline	SC0257
CD0503-002	Earth Works at Soldiers Pond	Increased bog quantities and other additional costs.	2,007,391		2,007,391		PCN-0298	SC0284
CD0503-002	Earthworks at SP	Soldiers Pond Earthworks - Increase in Contract Quantities	3,222,500		3,222,500		PCN-0330	SC0329
CD0503-002	Earthworks at SP	Soldiers Pond - Siltation Control plus 10% growth.	44,305		44,305		PCN-0341	SC0333
SD0564	CF camp services	CF Camp Trailers	169,686		169,686		PCN-0338	SC0332
CD0568	Offsite Infrastructure Upgrades	Offsite Infrastructure Upgrades - Cartwright to MF and Bay Bulls to SOP. Required scope of work reduced as a result of the route study.	-7,677,149		-7,677,149		PCN-0319	SC0335
CD0501-001	Converters and cable transition compound	Arc Flash Design to Cat 2	226,000		226,000		PCN-0315	SC0336
CD0501-001	Converters and cable transition compound	Addition of PA/GA, Internet/telephones and SACS to Contract	300,000		300,000		PCN-0339	SC0337
CD0502	Construction of AC Substations	Transfer of common site services budget from CD0502 to CD0503-002 for paving and CD0534 for snow maintenance	-750,000		-750,000		PCN-0356/0359	SC0348 / SC0356
CD0534	Soldiers Pond Synchronous Condensers	Transfer of common site services budget for snow maintenance from CD0502 to CD0534	419,500		419,500		PCN-0359	SC0356
CD0508	Electrode Sites	Access Road Maintenance and Environmental Requirements at Soldiers Pond		30,000	30,000		PCN-0449	SC0494
CD0508	Electrode Sites	Contract Under run as per approved RFA	-7,960,863		-7,960,863		PCN-0414	SC0455
CD0503	Converters and cable transition compound	Final Contract value - Close out	-1,553,050		-1,553,050		PCN-0366	SC0409
CD0503-002	Earthworks at SP	Transfer of common site services budget for paving from CD0502 to CD0503-002	330,500		330,500		PCN-0356	SC0348
CD0502	Construction of AC Substations	Transfer from CD0502 to CD0503-001 for common fill and supply of granular at CF (currently in CD0503-001 scope)	-355,000		-355,000		PCN-0300	SC0351
CD0503-003	Earth Work remediation at SY and converter at MF	MF Switchyard/Converter Outstanding Work Prior to Handover to HVdc Specialties	1,019,576		1,019,576		PCN-0309	SC0297
CD0566	Supply of Construction Power	Construction Power hook up at Churchill Falls	104,410		104,410		PCN-0370	SC0379
SD0564	CF camp services	SD0564 - Maintenance Labor - CF Camp - Remaining Duration of Camp	786,720		786,720		PCN-0392	SC0421
CD0510	Permanent Telecommunications	Requirement for Repeaters - Permanent Phase Optical Transport Network	3,657,000		3,657,000		PCN-0355	SC0381
PD0513 -PD0563	MF Construction Power Procurement Packages	MF Construction Power Procurement Packages under run. Budget transferred to MF Contingency.	-103,179		-103,179		PCN-0349	SC384
SD0565	Marine Geotech Investigation	Budget alignment to Final contract value	-46,740		-46,740		Rebaseline	SC0257
SD0567	Installation of Geodetic Control Survey	Budget alignment to Final contract value	-10,147		-10,147		Rebaseline	SC0257
SD0560	Early works construction communications services (MF)	Transfer of Telecoms Scope from CD0535 to SD0560	5,535,756		5,535,756		PCN-0162	SC0123
			123,569,352	30,000	123,599,352			
		Pending Scope change:						
CD0508	Electrode Sites	Soldiers Pond Access Road and Environmental Maintenance	52,500	-52,500	0	Approved PCN	PCN-0449	CN-004
CD0503	Earthworks at SP	Environmental Maintenance at Soldiers Pond	-22,500	22,500	0	Approved PCN	PCN-0449	T-1158
			30,000	-30,000	0			
		Errors & Omissions						
		Purchase orders and Construction contracts execution						
PD0537	Power Transformers, AC Substations at CF, MF and SP	Site Supervision of installation of transformers	315,053		315,053		DAN-0912	T-0839/791
PD0537	Power Transformers, AC Substations at CF, MF and SP	Change in radiator gauge thickness	-397,500		-397,500		DAN-0849	CN01
PD0537	Power Transformers, AC Substations at CF, MF and SP	PD0537 - Spare Insulating Oil Reduction	-49,550		-49,550		DAN-1000	CN-03

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Forecast Variation

C.P.	Package Description	Variation Description	Previous Cumulative variance	Monthly variance	Total Variance	Comments	CM Ref.	Trend / CN / Sch. ref.
PD0537	Power Transformers, AC Substations at CF, MF and SP	PD0537 - Transformer Bushing Standardization	-79,050		-79,050		DAN-1003	CN-04
PD0537	Power Transformers, AC Substations at CF, MF and SP	PD0537 - Tertiary Enclosure Type Change (CF)	-11,996		-11,996		DAN-1191	T-1066
			-223,043	0	-223,043			
			-2,656		-2,656			
		SUBTOTAL C3	123,373,653	0	123,373,653			
Misc.								
C4								
		Approved Scope change:						
	Various Packages in HVac	Increase in the length of the 735 kV line to the final location of the CF switchyard	2,600,000		2,600,000		PCN-0093	SC0066
	PT0328/PT0330/CT0327	Reoptimization of the HVdc conductor	144,324		144,324		PCN-0093	SC0078
	PT0307	Supply of Steel Tower Foundations- Hvac Corrosion protection of foundations (ac)	60,000		60,000		PCN-0130	SC0076
	CT0342	Construction of Hvac Transmission line - Island ADSS cable on wood pole electrode lines because the original estimate is low	480,000		480,000		PCN-0091	SC0007
	CT0319	Construction of 315 Hvac Transmission line (MF-CF) Re-routing Hvac line outside corridor at lower brook	-150,000		-150,000		PCN-0070	SC0054
	PT0307	Supply of Steel Tower Foundations- Hvac Increase in deep rock foundations/grillage foundations		39,626	39,626		PCN-0476	SC0503
	CT0319	Construction of 315 Hvac Transmission line (MF-CF) Additional survey costs		100,000	100,000		PCN-0455	SC0509
	PT0330	Supply of Towers - HVdc Reduction in HVdc Tower types	-148,061		-148,061		PCN-0099	SC0015
	CT0342	Construction of AC Transmission Lines - Island Transpositions of 230kV HVac re-termination lines at Soldier's Pond	374,638		374,638		PCN-0207	SC0240
	Various Packages in HVdc	Re-routing HVdc line next to MF access road and TLH phase 2 at MF	10,000,000		10,000,000		PCN-0096	SC0016
	PT0353	Supply of OPGW HVdc alignment with the bid price of 10.5 M	2,993,921		2,993,921		PCN-0256	SC0235
	PT0335	Supply of Anchors - HVac Rock anchors unit cost more than originally estimated due to change in technical requirements / Additional Rock Anchors for 315 kV HVac Lines	1,402,577		1,402,577		PCN-0142 /419	SC0096 / 443
	PT0330	Supply of Towers - HVdc Change in Step Bolt Size	270,000		270,000		PCN-0156	SC0104
	ST0311	Survey - Hvac Not included in original estimate	1,200,000		1,200,000		PCN-0171	SC0115
	ST0312	Survey - HVdc Not included in original estimate	2,900,000		2,900,000		PCN-0171	SC0115
	ST0311	Survey - Hvac Installation of Geodetic Survey Control Network	31,674		31,674		PCN-0168	SC0116
	PT0334	Supply of Steel Wires- HVdc Forecast overrun at time of the Recommendation for Award	4,729,527		4,729,527		PCN-0250	SC0218
	Various	Various packages Remove all variances on completed packages	-30,387		-30,387		PCN-0252	T-0649
	PT0330	Supply of towers - HVdc Design criteria change - reduction from 0-6° to 0-3°	335,000		335,000		PCN-0147	SC0121
	CT0327	Construction of HVcd line section 1 HVdc Access Road Ballasting S1- to S1-400		4,098,717	4,098,717		PCN-0456	SC0504
	CT0327	Construction of HVcd line section 1 HVdc Clearing and Access - Block 7 and Partial 6 (C&T Enterprises) Contract Value Increase.		10,000,000	10,000,000		PCN-0481	SC0507
	CT0327	Construction of HVcd line section 1 Additional Guy Anchor Bottom Bars, Couplers and Centralizers for HVdc Line		2,981,338	2,981,338		PCN-0452	SC0508
	PT0352	Supply of anchors - HVdc Additional Guy Anchor Bottom Bars, Couplers and Centralizers for HVdc Line		1,000,406	1,000,406		PCN-0452	SC0508
	CT0327	Construction of HVcd line section 1 Creation of Marshalling yard packages	-1,560,000		-1,560,000			SC0024
	CT0354	Marshaling Yards for Hvac Line (HVGB) Creation of Marshalling yard packages	1,560,000		1,560,000			SC0024



Forecast Variation

C.P.	Package Description	Variation Description	Previous Cumulative variance	Monthly variance	Total Variance	Comments	CM Ref.	Trend / CN / Sch. ref.
CT0354	Marshaling Yards for Hvac Line (HVGB)	Increase in budget to accommodate most recent estimate and bid price for construction	1,409,829		1,409,829		PCN-0184	SC0122
PT0330	Supply of Towers - HVdc	Include Low Temperature Rated Steel for HVdc Towers	872,560		872,560		PCN-0198	SC0153
CT0319	Construction of 315 Hvac Transmission line (MF-CF)	Reassignment of the Provision of Geotech Investigation Services for 315 kV Hvac	956,750		956,750		PCN-0187	SC0165
ST0309	Provision of Geotech - Hvac	Reassignment of the Provision of Geotech Investigation Services for 315 kV Hvac	-956,750		-956,750		PCN-0187	SC0165
PT0329	Supply of insulators - HVdc	Increase in Insulators quantity for electrode conductors as a result of new study of "Electrode Insulation & Clearance" report	108,039		108,039		DAN-0411 / PCN-0191	SC0134
ST0311	Survey - Hvac	Verification survey requirements for CF	53,525		53,525		PCN-0212	SC0183
PT0356	Supply of Damper - HVdc	Increase in quantities	1,646,194		1,646,194		PCN-0219	SC0184
PT0302	Supply of Steel Towers - Hvac	Tower weight increase	1,024,191		1,024,191		PCN-0155	SC0185/268
CT0319	Construction of 315 Hvac Transmission line (MF-CF)	Tower weight increase	24,500,000		24,500,000		PCN-0155	SC0185
ST0312	Provision of Survey - HVdc	Cancelling of Package - Survey requirements to be completed by lands group.	-1,377,300		-1,377,300		PCN-0230	SC0200
PT0300	Supply of Conductors - Hvac	Estimate unit price was higher than the bid price	-4,048,702		-4,048,702			SC0268
PT0301	Supply of Insulator - Hvac	Underrun on the budget compared to contract value	-359,067		-359,067		PCN-0402	SC0268/422
PT0303	Supply of Hardware - Hvac	Underrun on the budget compared to contract value	-3,742,358		-3,742,358			SC0268
PT0304	Supply of OPGW - Hvac	Underrun on the budget compared to contract value	-460,842		-460,842			SC0268
PT0307	Supply of Steel Foundation- Hvac	Additional quantities	178,218		178,218			SC0268
PT0307	Supply of Steel Foundation- Hvac	Corrosion protection/quantity adjustment/increase in deep rock foundations	454,848		454,848		PCN-0130/323/396	SC0076/268/387
PT0308	Supply of Steel Foundation - HVdc	Underrun on the budget compared to contract value	-2,746,175		-2,746,175			SC0268
PT0308	Supply of Steel Foundation - HVdc	Additional foundations required to avoid construction delays, Brace Extensions for HVdc Rock Foundations	3,366,548		3,366,548		PCN-0429 /432	SC0268 / 465 / 470
PT0326	Supply of Steel Wires- HVdc	Bid unit rates higher than budgeted	419,348		419,348		PCN-0395	SC0268/405
PT0328	Supply of Conductor - HVdc	Underrun on the budget compared to contract value	-6,622,857		-6,622,857			SC0268
PT0329	Supply of Insulator - HVdc	Underrun on the budget compared to contract value	-18,696,147		-18,696,147			SC0268
PT0330	Supply of Steel Tower - HVdc	Underrun on the budget compared to contract value	-492,362		-492,362			SC0268
PT0331	Supply of Hardware - HVdc	Underrun on the budget compared to contract value	-5,559,408		-5,559,408			SC0268
PT0334	Supply of Steel Wires- HVdc	Under run on package and Change from steel to wooden reels	-1,129,373		-1,129,373			SC0268
PT0353	Supply of OPGW - HVdc	Underrun on the budget compared to contract value	-349,625		-349,625			SC0268
PT0329	Supply of Insulator - HVdc	Funds required for additional insulator testing	45,000		45,000		PCN-0302	SC0295
PT0356	Supply of Damper - HVdc	Underrun on the budget compared to contract value	-711,974		-711,974			SC0268
CT0327	HVdc	Extension of the TL due to new location of Forteau transition station	352,000		352,000		PCN-0308	SC0368
PT0352	Supply of Anchor Materials - Hvac	Decrease in # of anchors	-532,883		-532,883			SC0270
ST0311	Provision of Survey - Hvac	Change in package strategy	-247,665		-247,665			SC0267
CH0024	Reservoir Clearing	Cost saving due to the change in execution strategy	-16,009,090		-16,009,090			SC0266

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Forecast Variation

C.P.	Package Description	Variation Description	Previous Cumulative variance	Monthly variance	Total Variance	Comments	CM Ref.	Trend / CN / Sch. ref.
CT0319	Construction of Hvac Transmission line	Cost of the HVGB line to Gull Island	-7,696,000		-7,696,000			SC0266
PT0302	Supply of Steel Tower - Hvac	Tower weight increase/Metallurgical testing on tower washers/extra fasteners/735kV/ Tower quantity change	616,000		616,000		PCN-326 / 420	SC0339 / 467
PT0302	Supply of Steel Tower - Hvac	Extra fasteners are required so they are readily available to avoid any shortages or delays in tower installation	54,272		54,272		PCN-0326	SC0339
PT0307	Supply of Steel Foundation- Hvac	HVac Grillage Foundation Quantity Adjustment (Additional foundations and conversion kits)	746,370		746,370		PCN-0323	SC0325
PT0335	Supply of Anchor Materials - HVac	Additional bottom bars and centralizers	103,200		103,200		PCN-0347	SC0345
PT0356	Supply of Damper - HVdc	Price increase to perform radiographic examination on 20 pieces of each clamp and keeper	217		217		PCN-0329	SC0340
PT0352	Supply of Anchor Materials - HVdc	Bearing Plates and Nuts for Anchor Installation (HVdc Deep Rock Self-surported Towers)	136,922		136,922		PCN-0325	SC0344
PT0335	Supply of Anchor Materials - HVac	Rock anchors unit cost more (technical req)/Bottom bars & centralizers/Increase in deep rock foundations	56,413		56,413		PCN-0142/347/396 /	SC0096/345/387 / 471/477
PT0352	Supply of Anchor Materials - HVdc	Quantity change for HVdc Anchors due to Line Optimization, Williams Site Visit for Technical Assistance for Installation of HVdc Anchors	106,087		106,087		PCN-0345 /430 / 433	SC0341 /460/469
PT0330	Supply of Steel Tower - HVdc	Funds transferred to quality surveillance for location change	-400,500		-400,500		PCN-0294	SC0350
PT0352	Supply of Anchor Materials - HVdc	Additional funds for the change in quantities and anchors	138,072		138,072		PCN-0322	SC0324
CT0327	Construction of HVdc Transmission line	Additional funds required for package to align with the negotiated price /Extension of TL Forteau transition station/Weight increase in foundations	236,277,149		236,277,149		PCN-0308/400/422	SC0266/368/448 / 466
PT0307	Supply of Steel Foundation- Hvac	Additional 220 kN Insulators required for 735 kV Tower Hardware Type Tests	258,433		258,433		PCN-0411	SC0445
PT0308	Supply of Steel Foundations - HVdc	HVdc Pile foundation Tower Shoe to be added to the supplier's scope / Extra guy tower foundations / extra grillage foundations for HVdc	2,288,628		2,288,628		PCN-0407/418/450	SC0449/450/489
PT0328	Supply of Conductor - HVdc	Replacement of damaged and stolen reels / insurance refund	4,273		4,273		PCN-0409	SC0451/478
CT0319	Construction of 315 Hvac Transmission line (MF-CF)	More guy anchors due to poor soil conditions at the 735 KV line	625,000		625,000		PCN-0131/305/363/27	SC0266/312/371/39 1/397
CT0319	Construction of 315 Hvac Transmission line (MF-CF)	Additional cost of Import backfill & type A-2 & B-2 foundations	2,742,791		2,742,791		PCN-0379/451	SC0398/476
CT0319	Construction of 315 Hvac Transmission line (MF-CF)	Increase in guy anchors due to soil conditions	6,000,000		6,000,000		PCN-0363	SC0371
CT0341	Clearing of Right-of-Way for HVac Transmission Line	Funds added to cover overrun due to contract being cancelled and awarded to new contractor	15,051,411		15,051,411			SC0266
CT0354	Marshaling Yards for Hvac Line (HVGB)	Additional funds required to align with commitments values	246,587		246,587			SC0266
CT0319	Construction of Hvac Transmission line - Island	Additional cost for relocating tower(s) due to C-3 change to GIS	200,000		200,000		PCN-0306	SC0312
PT0302	Supply of Steel Towers - Hvac	Tower weight increase	847		847		PCN-0313	SC0301
PT0329	Supply of Insulator - HVdc	Funds for air freight for samples due to time constraints	2,700		2,700		PCN-0310	SC0302
CT0355	Marshaling Yards for HVdc Line	Additional funds required to align with latest forecast	4,000,000		4,000,000			SC0266
CT0319	Construction of 315 Hvac Transmission line (MF-CF)	Market conditions and poor productivity than estimated, additional medical services, boarding and lodging, growth	36,460,005		36,460,005		PCN-0199	SC0191
Pending Scope change:			296,556,563	18,220,087	314,776,650			
CH0024	Reservoir clearing	Edwards Brook Camp - Cost for Contractor Provided Fuel	20,000		20,000		DAN-1023	T-0926
CT0319	Construction of 315 Hvac Transmission line (MF-CF)	Increase Import Backfill Quantities, Additional and ad hoc surveys on HVAC line	100,000	-100,000	0	Approved PCN	DAN-1134/1231	CO#18 - T1086
CT0319	Construction of 315 Hvac Transmission line (MF-CF)	Rework of structures and additional clearing	136,841		136,841		DAN-1208/1317	T1078/1160
PT0335	Supply of Anchors - HVac	Additional miscellaneous materials	10,140		10,140		DAN-1259/1260 /1303	T-1145/1146 / 1150
CT0342	Construction of Hvac Transmission line - Island	Removal of the ADSS fibre optic cable from the Wood Pole Electrode Line between Soldiers Pond and Holyrood Plant (BCC)		-432,154	-432,154		DAN-1141	T-1207

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Forecast Variation

C.P.	Package Description	Variation Description	Previous Cumulative variance	Monthly variance	Total Variance	Comments	CM Ref.	Trend / CN / Sch. ref.
PT0352	Supply of Anchors - HVdc	Additional Guy Anchor Bottom Bars, Couplers and Centralizers for HVdc Line	1,105,863	-1,105,863	0	Approved PCN	DAN-1319	T-1161
CT0319	Construction of 315 Hvac Transmission line (MF-CF)	Increase in cost of 735 Kv line as per latest bids		2,107,399	2,107,399		PCN-0271Rev1	T-1220
PT0330	Supply of Steel Tower - HVdc	Additional quantities and Redesign of HVdc Zone 3a and 11 due to maximum wind load requirements		3,048,151	3,048,151		various	various
PT0308	Supply of Steel Foundations - HVdc	Quantity Release 3 for PT0308 HVdc Foundation		2,167,993	2,167,993		DAN-1467	T-1231
PT0307	Supply of Steel Foundation- Hvac	Extra Self Support Foundation for Hvac Line		407,421	407,421		DAN-1478	T-1230
PT0307	Supply of Steel Foundation- Hvac	Extra C-2 Grillage Foundations Required for the HVac Line	39,626	-39,626	0	Approved PCN	DAN-1407	T-1193
CT0327	Construction of HVdc Transmission line	HVdc Access Road Ballasting S1- to S1-400	4,098,717	-4,098,717	0	Approved PCN	DAN-1010	T-0920
CT0327	Construction of HVdc Transmission line	Installation of Additional Guy Anchor Bottom Bars, Couplers and Centralizers for HVdc Line	2,875,880	-2,875,880	0	Approved PCN	DAN-1319	T-1161
PT0353	Supply of OPQW - HVdc	Quantity change (aframe relocation, structure increase, route changes) / Cancellation of ADSS hardware (design change)	-74,991		-74,991		DAN-1180/1181	T-1055/1056
		Design Development	8,312,076	-921,276	7,390,800			
		Errors & Omissions						
		Purchase orders and Construction contracts execution						
PT0329	Supply of Insulator - HVdc	Change in quantities in lot 3 - Reduction in insulator quantity	-105,156		-105,156		DAN-0942/1024	CO#7/T-0923
			-105,156	0	-105,156			
		SUBTOTAL C4	304,763,484	17,298,811	322,062,295			
	Services	Approved Scope change:						
SM0704	Survey services	Impact of the collective agreement	5,600,000		5,600,000		PCN-0153	SC0101
SM0710	IT Equipment	Reduction of IT budget	-1,155,286		-1,155,286		PCN-0105	SC0010
SM0701	Provision of 3rd party quality inspection	Additional funds required for quality surveillance	6,060,066		6,060,066		PCN-0294	SC0350
SM0706	Vehicule services	Additional funds required for vehicules	6,038,442		6,038,442		PCN-0343	SC0353
SM0707	Helicopter services	Saving on the helicopter services	-3,760,215		-3,760,215		PCN-0343	SC0353
SM0704	Survey services	Additional OT cost per Collective agreement	2,523,512		2,523,512		PCN-0178	SC0105
SM0713	Field Geotechnical Investigations	Alignment with final contract values	-355,879		-355,879			SC0254
SM0704	Surveying services	Several changes (Mob/Demob, training, additional IT and GPS equipment)	90,952		90,952			SC0254
SM0705	Laboratory services	Forecast adjustment due to favorable bid prices	-4,620,869		-4,620,869			SC0254
SM0705	laboratory services	CR#1 Addition of engineering services to CH0007/CH0009	75,000		75,000		DAN-0833	CR#1
SM0700	Freight Forwarding Services	Additional funds to cover freight forwarding services, duties, operation at marshalling yard	3,886,698		3,886,698		DAN-0728 / PCN-0266	SC0253
SM0709	Air transportation	Reduction due to canceling the Astaldi section	-5,000,000		-5,000,000		PCN-0388	SC0406
SM0709	Air transportation	Travel for the CF camp services	115,400		115,400		PCN-0346	SC0407
SM0701	Provision of 3rd party quality inspection	Additional funds for expediting and cost increases in quality inspection	2,400,000		2,400,000		re-baseline	SC0264
SM0714	EPCM	Engineering and Project management cost of the HVGB line to Gull Island	-2,513,710		-2,513,710			T-0595
SM0714	EPCM services	Reduction in EPCM services due to change from EPCM to EPC strategy CD0502	-19,675,571		-19,675,571		PCN-0163	SC0135

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Forecast Variation

C.P.	Package Description	Variation Description	Previous Cumulative variance	Monthly variance	Total Variance	Comments	CM Ref.	Trend / CN / Sch. ref.
SM0714	EPCM services	Reduction in EPCM services due to change from EPCM to EPC strategy CD0534	-3,550,915		-3,550,915		PCN-0148	SC0107
SM0704	Surveying services	Execution module modification of the surveying services in MF	-14,588,920		-14,588,920		PCN-0375	SC0419
SM0714	EPCM services	Change to diversion timeline at MF	10,000,000		10,000,000		PCN-0137	SC0118
SM0705	Laboratory services	Impact of the collective agreement	400,000		400,000		PCN-0153	SC0101
SM0713	Field Geotechnical Investigations	Change from Helicopter to trail access	97,446		97,446		PCN-0159	SC0092
SM0713	Field Geotechnical Investigations	Cost growth for archeological monitoring and recovery costs	300,000		300,000		PCN-0181	SC0111
SM0713	Field Geotechnical Investigations	Additional investigations required in the North Spur	50,000	-50,000	0	exists already under CH0008	PCN-0405	SC0418/498
SM0713	Field Geotechnical Investigations	Scope reduction	-835,000		-835,000		PCN-0073	SC0058
			-18,418,849	-50,000	-18,468,849			
		Pending Scope change:						
SM0700	Freight Forwarding Services	Saving on final contract value of SM0700-009	-4,874		-4,874			
		Errors & Omissions						
		Bids Received						
		Purchase orders and Construction contracts execution						
	Misc.			649	649			
	Other scope							
		Approved Scope change:						
XX0300	EA (Environmental)	Cost growth for archeological monitoring and recovery costs	175,000		175,000		PCN-0181	SC0111
XX0300	EA (Environmental)	Financing of environmental monitors for the gov of NL	488,000		488,000		PCN-0238	SC0228
XX0300	EA (Environmental)	Saving on the LIL Regulatory Compliance cost	-4,000,000		-4,000,000		PCN-0398	SC0485
XX0002	Additional scope of work	River management	575,000		575,000		PCN-0293	SC0291
XX0100	Owner cost	Additional funds required to finalize construction power at MF	324,800		324,800		PCN-0331	SC0310
XXSMFG	MF site purchase orders	MF site cameras	155,000		155,000		PCN-0364	SC0361
XXSMFG	MF site purchase orders	Additional funds for site purchase orders	250,000		250,000		PCN-0272	SC0427
XX0100	Owner cost	Follow on Engineering studies	250,000		250,000		PCN-0316	SC0316
XX0001	SOBI	Adjustment of old scope changes approved for SOBI	11,379,201		11,379,201			SC0169
XX0001	SOBI	Addition of FP transition compound from CD0503	3,458,952		3,458,952		PCN-0062	SC0009
XX0001	SOBI	Saving from the drag free fishing agreement which results in less rock cover over the cables	-7,000,000		-7,000,000		PCN-0085	SC0236
XX0100	Owner cost	Alignment with rebaseline values and reduction of helicopter costs	-34,938,158		-34,938,158			SC0260
XX0200	Feasibility Engineering	Alignment with Final costs	-2,978,945		-2,978,945			SC0260
ZZ0999	Unallocated scope	Alignment of power consumption with forecast	-4,356,788		-4,356,788			SC0260
XX0900	Commercial and Legal	Additional funds required to cover insurance costs	643,816		643,816			SC0260
		SUBTOTAL Services	-18,423,723	-49,351	-18,473,074			

Forecast Variation

C.P.	Package Description	Variation Description	Previous Cumulative variance	Monthly variance	Total Variance	Comments	CM Ref.	Trend / CN / Sch. ref.
XX0001	SOBI	Saving from the route reduction (subsea rock protection and submarine cable design), additional funds for FP civil works	-5,210,170		-5,210,170			SC0260
XX0002	ASOW	cancel Soldier's pond access road	-3,793,573		-3,793,573			SC0260
XX0100	Owner cost	Additional funds required for the dc line QC survey resources	227,300		227,300		PCN-0230	SC0200
XX0001	SOBI	Saving in the drilling scope	-10,000,000		-10,000,000		PCN-0416	SC0429
XX0001	SOBI	Saving in the S/I of fiber optics	-17,100,000		-17,100,000		PCN-0210	SC0209
XX0002	Additional scope of work	Upgrade Line protection	252,914		252,914		PCN-0223	SC0221
XX0002	Additional scope of work	Adustment ot old approved scope changes	276,397		276,397		PCN-0118/135	SC0174
XX0100	Owner cost	Change to diversion timeline at MF	10,000,000		10,000,000		PCN-0137	SC0118
XX0100	Owner cost	Adustment ot old approved scope changes	17,330,142		17,330,142		various	SC0170
XX0200	Feasibility Engineering	Adustment ot old approved scope changes	863,500		863,500		various	SC0171
XX0300	EA (Environmental)	Adustment ot old approved scope changes	2,210,000		2,210,000		various	SC0172
XX0900	Commercial and Legal	Adustment ot old approved scope changes	1,877,139		1,877,139		various	SC0173
XX0002	Additional scope of work	Cost reduction at Holyrood due to increase of Syn. condenser by 25 MVAR	-36,451,994		-36,451,994		PCN-0067	SC0119
		Pending Scope change:	-75,092,467	0	-75,092,467			
	Misc.		-106,856		-106,856			
		SUBTOTAL Other Scope	-75,199,323	0	-75,199,323			
		TOTAL AMOUNT	959,975,997	19,357,093	979,333,090			