

Lower Churchill Project						
Tactical Cost Risk Assessment			Risk Range			
Cost Category	DG3 Estimate (C\$ MM)	Best Cost (C\$ MM)	Scenario Supporting Best Cost	Best Worst Cost (C\$ MM)	Worst Cost (C\$ MM)	Scenario Supporting Worst Cost
Muskrat Falls Generation						
A.a - Accommodations Complex, Admin. and Utilities	90.6					
A.b - South Side Access Road	29.0 or 40	35.0			54.0	
A.c - Construction Power	17.8					
A.d - Offsite Access	12 or 7	2.0			14.0	
A.e - Bulk Excavation Works and Associated Civil Works	132.0	120.0			155.0	
A.f - Intake and Powerhouse, Spillway and Transit. Dams	665 or 610	600.0			750.0	
A.g - North Spur Stabilization Works	61.4 or 70	58.0			80.0	
A.h - North RCC and South Rockfill Dams	114 or 140	95.0			155.0	
A.i - Reservoir Clearing	143.2	130.0			165.0	
A.j - Turbines and Generators	253.3					
A.k - Powerhouse Mechanical and Electrical Auxiliaries	90.9	80.0			120.0	
A.l - Hydro-Mechanical Equip. - Powerhouse and Spillway	150.8	130.0			165.0	
A.m - Powerhouse Crane and Elevator	9.4					
A.n - Telecommunications (incl. Labrador Fibre Project)	46.2					
A.o - Habitat Compensation Works (Fish)	10.1					
A.p - GSU Trans., Isolated Phase Bus and Gen. Cir. Brk.	26.4					
A.q - Site Maint. Services (Road, Camp, Trash, etc.)	11.4					
A.r - Catering, Housekeeping and Janitorial Services	138.8	140.0			180.0	
A.s - Ground Transportation Services (HVGB to MF)	12.7					
A.t - Medical and Security Services	41.1					
A.u - Surveying Services	13.3					
A.v - Laboratory Services	28.4					
A.w - Air Transport	82.7	83.0			105.0	
Muskrat Falls Generation Total, C\$ MM	1,298.8					

Notes:

 = changed estimate
Muskrat Falls

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Labrador - Island Transmission Link excluding SOBI Crossing			
B.a - Converters - MF and Soldier's Pond - EPC	372.0	365.0	390.0
B.b - Cable Transition Compounds - EPC	52.4	50.0	58.0
B.c - Synchronous Condensers - Supply & Install	111.3	111.0	130.0
B.d - Soldier's Pond Switchyard	63.4	53.0	70.0
B.e - Electrode Sites	27.3		
B.f - Island Sys. Upgr. -Holyrood Con.+Breakers+AC Reb.	40.4		
B.g - Clearing Right of Way for HVdc Transmission Line	149.7	130.0	200.0
B.h - Construction of 350 kV HVdc Trans. Line - Section 1	312.5	290.0	400.0
B.i - Construction of 350 kV HVdc Trans. Line - Section 2	171.8	160.0	220.0
B.j - Supply of Found. and Steel Towers - 350 kV HVdc	73.6		
B.k - Conductor, OPGW, Insulators & Other-350 kV HVdc	182.8	165.0	190.0
LITL excluding SOBI Total, C\$ MM	1,557.2		

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SOBI Crossing						
B.m - SOBI Landfall / HDD Scope	85.3	75.0		105.0		
B.n - SOBI Cable Supply & Install	173.4	125.0		200.0		
B.o - SOBI Seabed Protection	78.6	50.0		95.0		
SOBI Crossing Total, C\$ MM	337.3					

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Labrador Transmission Assets						
C.a - Clearing ROW for 315 kV HVac Trans. Line (MF-CF)	30.6	27.0			41.0	
C.b - Construction of 315 kV HVac Trans. Line (MF to CF)	196.1	180.0			250.0	
C.c - Supply of Found. and Steel Towers - 315 kV HVac	29.4					
C.d - Conductor, OPGW, Insulators & Other-315 kV HVac	40.7	37.0			43.0	
C.e - Churchill Falls Switchyard	193.2					
C.f - Muskrat Falls Switchyard	37.3					
Labrador Transmission Assets Total, C\$ MM	527.3					

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General						
D.a - EPCM Services - SNC Lavalin Inc.	352.5					
D.b - Integrated Commissioning Support Services	14.3					
D.c - Project Vehicles	3.3					
D.d - Helicopter Services	13.6					
D.e - Insurance	22.9					
D.f - Financing and Commerical	9.6					
D.g - Owner's Project Team	216.9					
D.h - Land Acquisition and Permits	22.7					
D.i -Third Party Quality Surveillance & Inspection Services	4.4					
D.j - Freight Forwarding Services	6.0					
D.k - Environmental	19.4					
D.l - Aboriginal	28.8					
General Total, C\$ MM	714.5					

Notes: