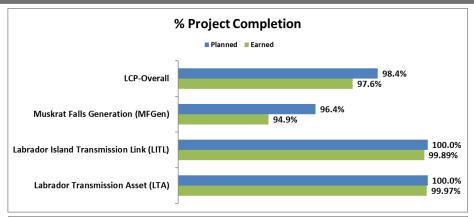
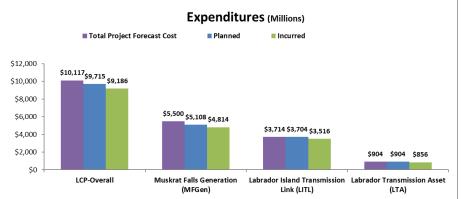


# Muskrat Falls Project Oversight Committee April Reporting June 25, 2019

### April 2019 Project Progress







## **Project Progress**

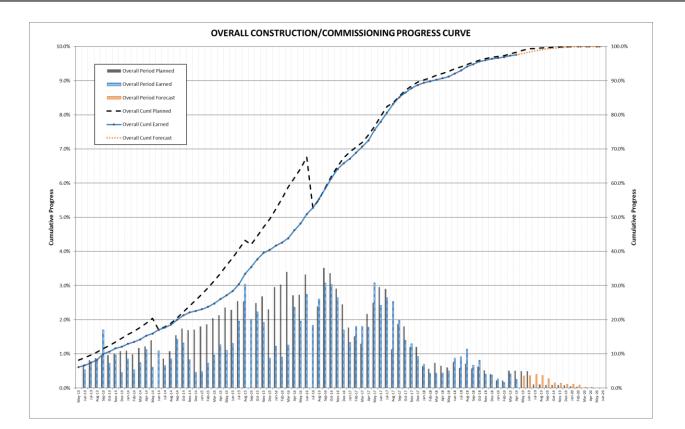


#### Muskrat Falls Project Progress at April 2019

		April 2019 Cumulative %			
<u>April 2019</u>	Weight Factor %	Planned	Earned	Variance	March 2019 <u>Variance</u>
Sub-Project	А	В	С	D = C - B	E
Muskrat Falls Generation (MFGen)	46.3%	96.4%	94.9%	-1.5%	-0.9%
Labrador Island Transmission Link (LITL)	43.9%	100.0%	99.89%	-0.11%	-0.1%
Labrador Transmission Asset (LTA)	9.8%	100.0%	99.97%	-0.03%	-0.03%
Muskrat Falls Project - Overall	100.0%	98.4%	97.6%	-0.8%	-0.5%
*Adjusted for planned delay to rollway installation			97.6%	0.1%	

## **Overall Progress Curve**





## Earned Progress MF Generating Facility



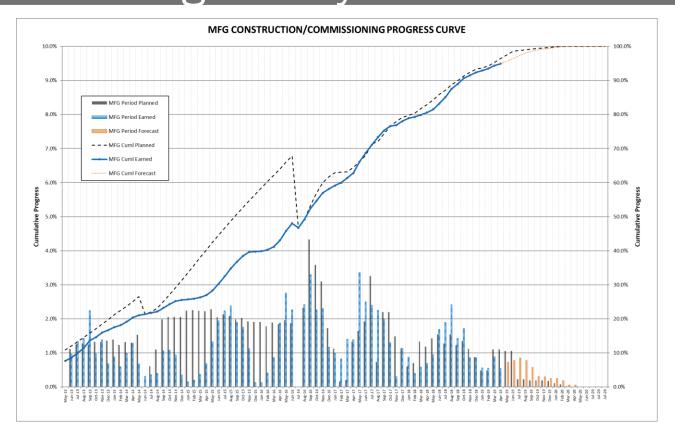
-0.5%

		<u>April 2(</u>			
<u>April 2019</u>	Weight <u>Factor %</u>	Plan	Earned	Variance	March 2019 Variance
Sub-Project	А	В	С	D = C - B	E
MFG Road/Camp/Constr. Power	8.9%	100.0%	100.0%	0.0%	0.0%
MFG Reservoir Preparation	5.8%	100.0%	100.0%	0.0%	0.0%
MFG Spillway & Gates	12.2%	100.0%	91.4%	-8.6%	-8.6%
MFG North Spur Stabilization	3.9%	100.0%	100.0%	0.0%	0.0%
MFG North Dam	5.7%	100.0%	100.0%	0.0%	0.0%
MFG Powerhouse & Intake	61.3%	94.4%	93.6%	0.8%	0.1%
MFG South Dam	1.1%	100.0%	100.0%	0.0%	0.0%
MFG Misc:Eng/ 315kV/Site Rest./logistic	1.1%	90.3%	89.2%	-1.1%	-1.1%
MFGen - Overall	100.0%	96.4%	94.9%	-1.5%	-0.9%

\* MFGen - Overall adjusted for rollway installation schedule 95.4% 94.9%

## Progress Curve MF Generating Facility





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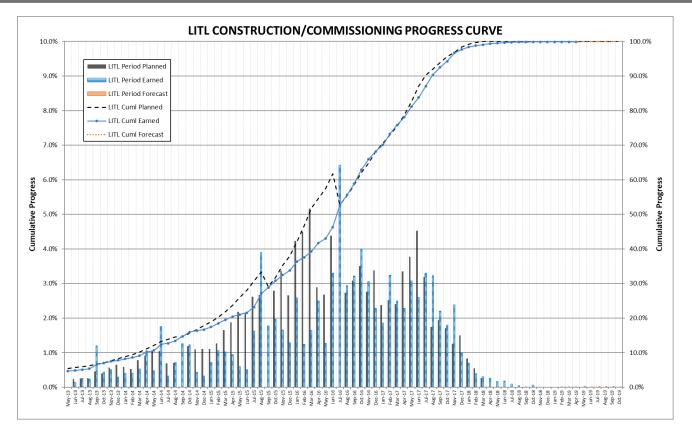
### Earned Progress Labrador Island Transmission Link



	Weight	April 2019 Cumulative %			March 2019
<u>April 2019</u>	Factor %	<u>Plan</u>	Earned	<u>Variance</u>	Variance
Sub-Project	А	В	С	D = C - B	E
LITL Muskrat Falls Converter	6.1%	100.0%	99.2%	-0.8%	-0.8%
LITL Soldiers Pond Converter	5.5%	100.0%	99.26%	-0.7%	-0.8%
LITL HVdc Transmission Line Seg 1/2	26.8%	100.0%	100.0%	0.0%	0.0%
LITL HVdc Transmission Line Seg 3/4/5	34.2%	100.0%	100.0%	0.0%	0.0%
LITL Electrode Sites	0.8%	100.0%	100.0%	0.0%	0.0%
LITL Transition Compounds	1.7%	100.0%	100.0%	0.0%	0.0%
LITL SOBI Cable Crossing	17.7%	100.0%	100.0%	0.0%	0.0%
LITL Soldiers Pond Switchyard	2.7%	100.0%	100.0%	0.0%	0.0%
LITL Soldiers Pond Sync. Condensors	3.1%	100.0%	99.6%	-0.4%	-0.4%
LITL Misc	1.4%	100.0%	98.9%	-1.1%	-1.9%
LITL- Overall	100.0%	100.0%	99.89%	-0.11%	-0.1%

### Progress Curve Labrador Island Transmission Link



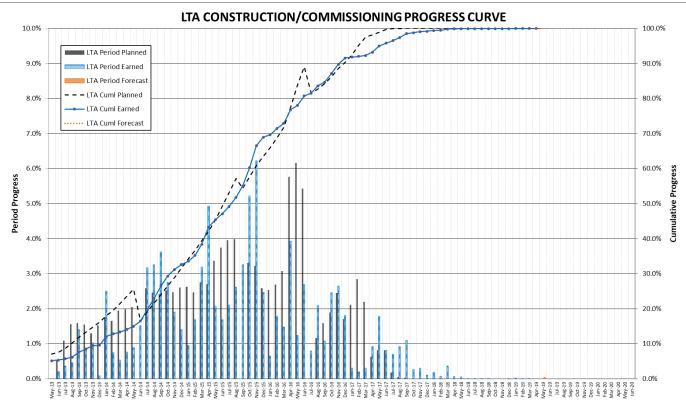


## Earned Progress Labrador Transmission Assets



	Weight	April 2019 Cumulative %			Marsh 0040	
<u>April 2019</u>	Factor %	<u>Plan</u>	<u>Earned</u>	Variance	March 2019 Variance	
Sub-Project	А	В	С	D = C - B	Е	
LTA HVac Transmission Line Seg1/2 - MF to CF	62.8%	100.0%	100.0%	0.0%	0.0%	
LTA Churchill Falls Switchyard	21.7%	100.0%	100.0%	0.0%	0.0%	
LTA Muskrat Falls Switchyard	13.4%	100.0%	99.95%	0.0%	0.0%	
LTA Misc	2.1%	100.0%	98.6%	-1.4%	-1.4%	
LTA - Overall	100.0%	100.0%	99.97%	0.0%	0.0%	

### Progress Curve Labrador Transmission Assets





# Project Costs



### Muskrat Falls Project Costs at April 2019 (\$000's)

Muskrat Falls Project: Sub- Project	Percentage of Total Budget		Planned Costs as of April 2019	Incurred Costs as of April 2019	Percentage of Budget Incurred	Variance Planned vs. Incurred Costs	Variance as % of Planned Costs	Project Forecast Cost
Muskrat Falls Generating Facility	54.36%	\$5,500,056	\$5,107,786	\$4,814,192	87.5%	(\$293,594)	-5.7%	\$5,500,056
Labrador-Island Transmission Link	36.71%	\$3,713,716	\$3,704,046	\$3,515,722	94.7%	(\$188,324)	-5.1%	\$3,713,716
Labrador Transmission Assets	8.93%	\$903,556	\$903,556	\$855,646	94.7%	(\$47,910)	-5.3%	\$903,556
Total	100.0%	\$10,117,328	\$9,715,388	\$9,185,560	90.8%	(\$529,828)	-5.5%	\$10,117,328

Overall Final Forecast Cost unchanged from June 2017 AFE. Additional Risks (\$170-370 Million), Astaldi Claim (up to \$800 Million) not included.

# **Contingency Allocation**



#### Contingency Budget at April 2019 (\$ 000's)

Muskrat Falls	USkrat Falls Project Budget June 2017and amended March 2018		Project Forecast Cost March 2019		Change from Previous Period	Variance PFC from Budget
	Total Project	\$339,162	\$164,811	\$155,546	(\$9,265)	(\$183,616)