Page 1

### Nalcor Energy Muskrat Falls Project Update December 10, 2013

**Boundless Energy** 





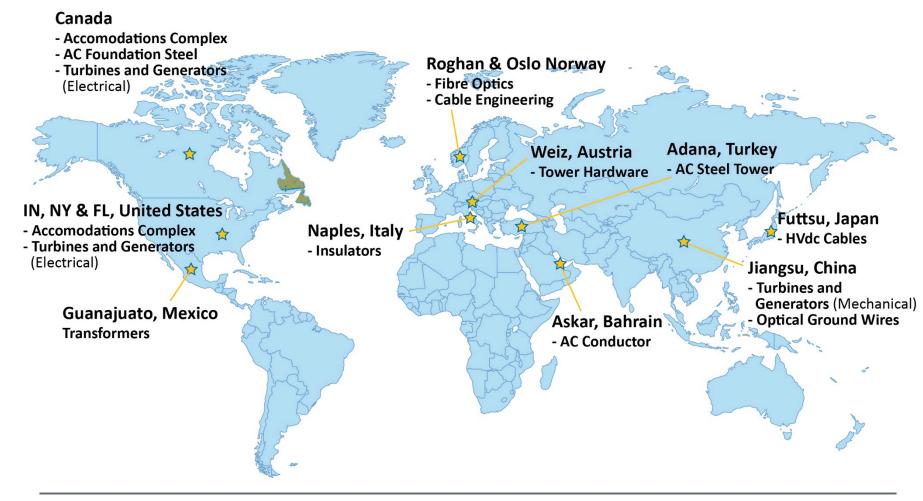
#### Take a MONTONIC TABLE TO TAKE A MANUAL T







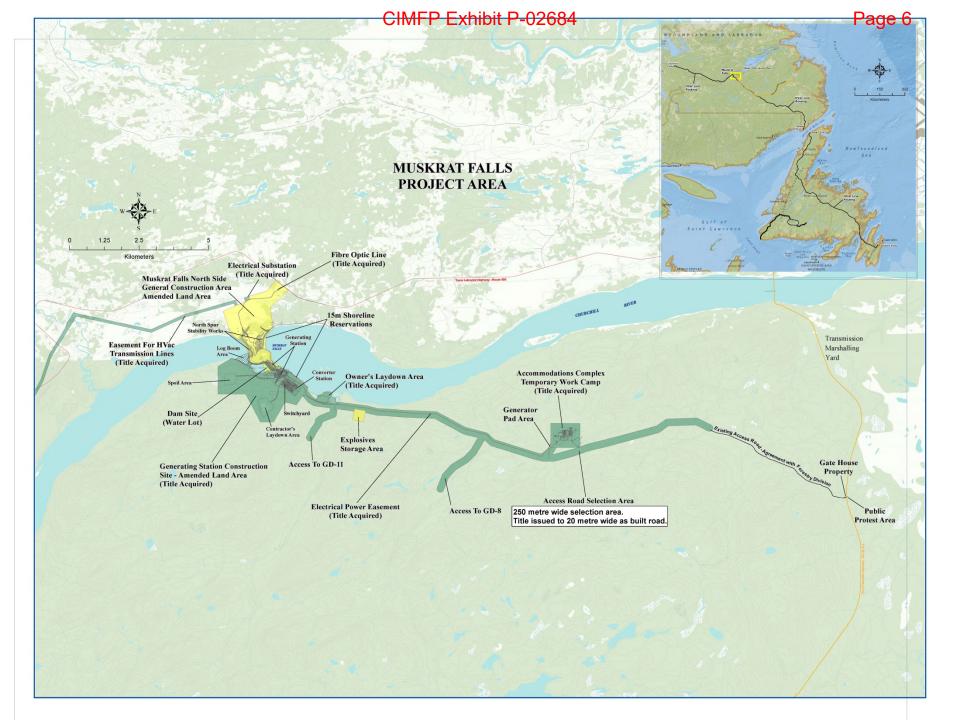
### **LCP Global Reach**



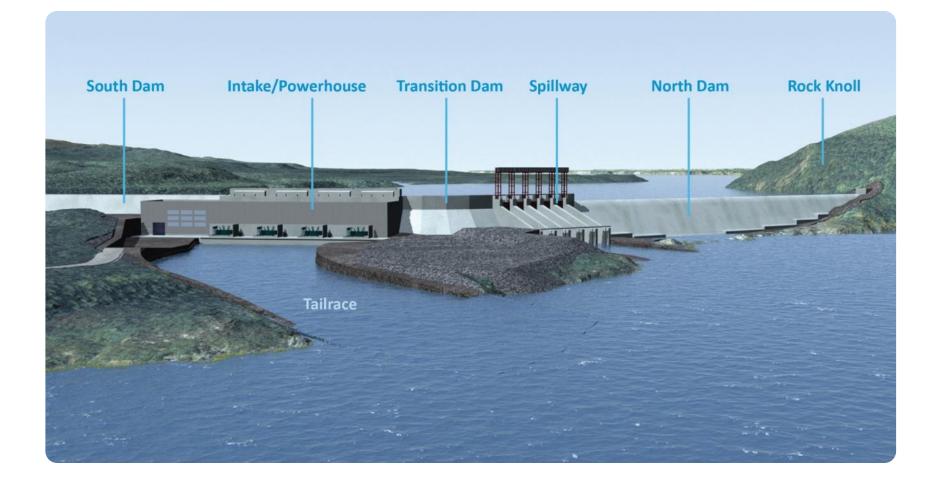


### **Muskrat Falls Generating Facility**





# **Muskrat Falls Generating Facility**



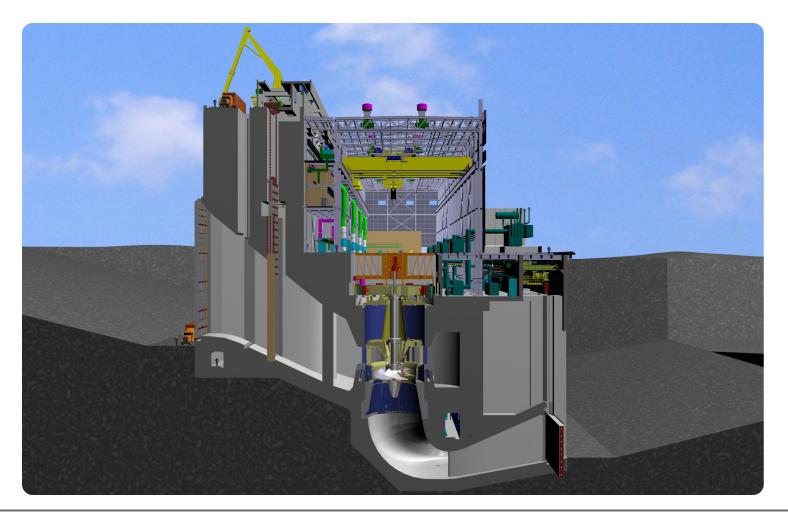


### **Muskrat Falls Generating Facility**





### **Powerhouse Cross Section**





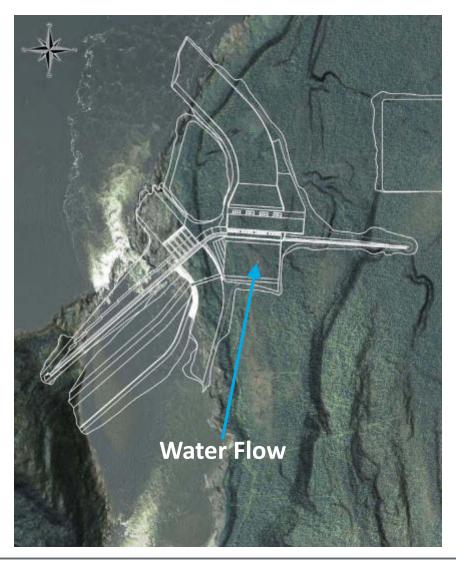
#### Page 10

### **Muskrat Fall Generating Facility**





### **Muskrat Falls Plant Orientation**





### **Temporary Camp**





Page 13

### **Permanent Camp Installation**





Page 14

### Muskrat Falls – Switchyard & Converter Earthworks (Site Grading)



### **MF Laydown Area Expansion**

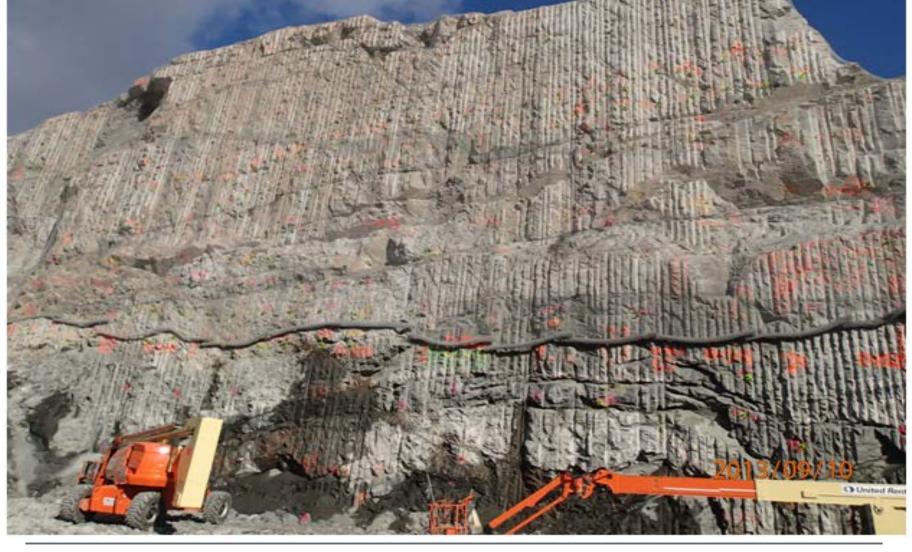






Page 16

### **Powerhouse Excavation September 2013**









### **Riverside Cofferdam (September)**





# **Spillway Excavation (September)**





#### Page 20

# Spillway (Cofferdam) (September)





### Intake for Powerhouse (September)





### **Riverside Cofferdam (November)**





# Powerhouse (November)

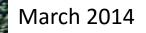




### **Powerhouse/Spillway Area (Nov)**







Spillway foundation treatment completed, concrete slab started.

Powerhouse Winter Shelter completed First unit concrete started



### Muskrat Falls Site (Video)





# Labrador-Island Link



### Labrador-Island Link





### **Strait of Belle Isle**

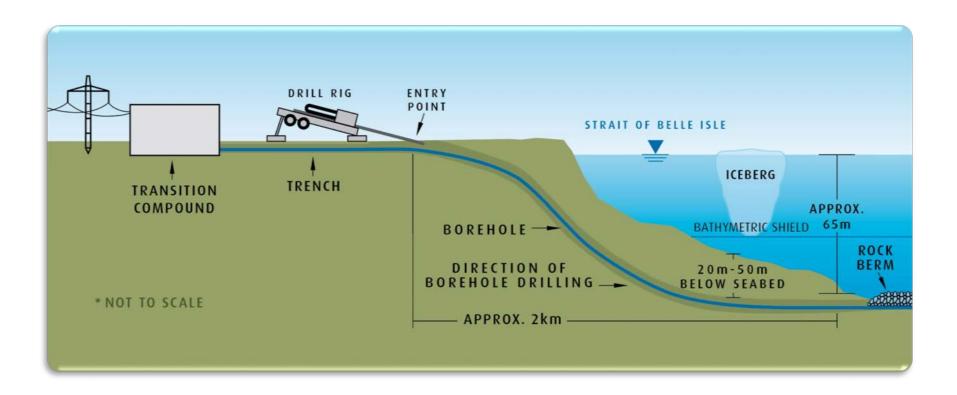


### **Strait of Belle Isle Cable Crossing**





# **Horizontal Directional Drilling**





### **HDD Drill Rig**





### Labrador Transmission Assets



# **Right-of-Way Clearing (AC line)**





### **AC Tower**





# **Churchill Falls Switchyard**



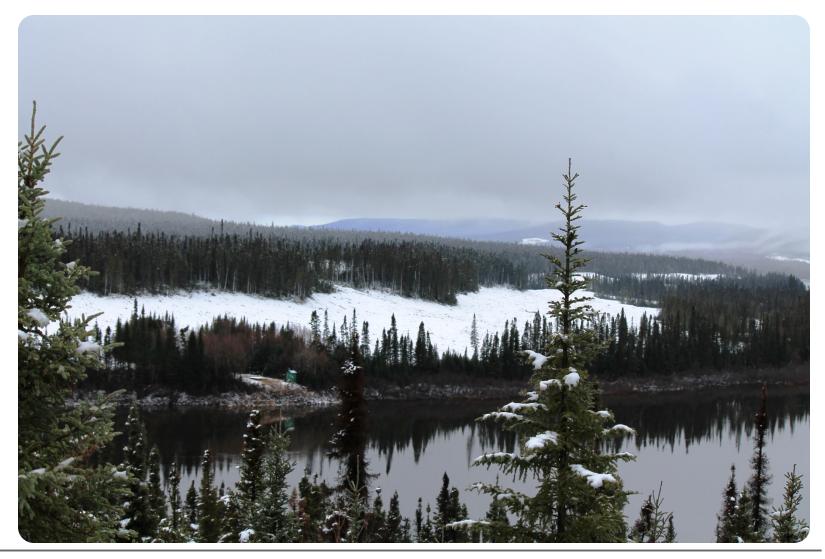


# **Churchill Falls Camp Accommodations**





### **Reservoir Clearing**





### **Transmission Marshalling Yard**





### **Newfoundland and Labrador Benefits**



# **Project Benefits**

Newfoundland and Labrador	Phase One
Direct employment in province (person-years) <sup>1</sup>	9,100
Direct employment occurring in Labrador (person-years) <sup>1</sup>	5,800
Total employment (direct, indirect, induced) (person-years) <sup>1</sup>	
	23,300
Total income to labour and business	\$1.9 billion
Total income to labour and business in Labrador	\$500 million
Average income benefits per year	\$320 million
Taxes to provincial government	\$290 million



# **Employment (September 2013)**

- 1,682 people working on MF Project
- Of those:
  - 76% (1,273) were NL residents
  - 1,122 people working in Labrador
  - 462 were Lab. residents; 207 are members of Lab.
    Aboriginal groups
  - Employment of Lab. residents rose 19% over Aug; employment from Lab. Aboriginal groups grew 11%



# **Expenditures (September 2013)**

- Total expenditures for the Muskrat Falls Project were about \$40M.
  - over \$17M to NL businesses (43% of all project expenditures for Sept)
  - Almost \$4.9M of NL expenditures were spent with Labrador companies



# Expenditures (Jan-Sept 2013)

- Between Jan 2013 and Sept 2013, over \$275M has been spent in the province:
  - \$154.4M in the province
  - \$82.6 in Newfoundland
  - \$71.8M in Labrador
- Next monthly benefits report available around Dec. 15.

