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[OC LCP Update 28 November 2014 final PH1.pptx](#)

This was presented

Paul



OC LCP Update 28 November 2014 final PH1.pptx

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Lower Churchill

Update to Oversight Committee

November 28, 2014

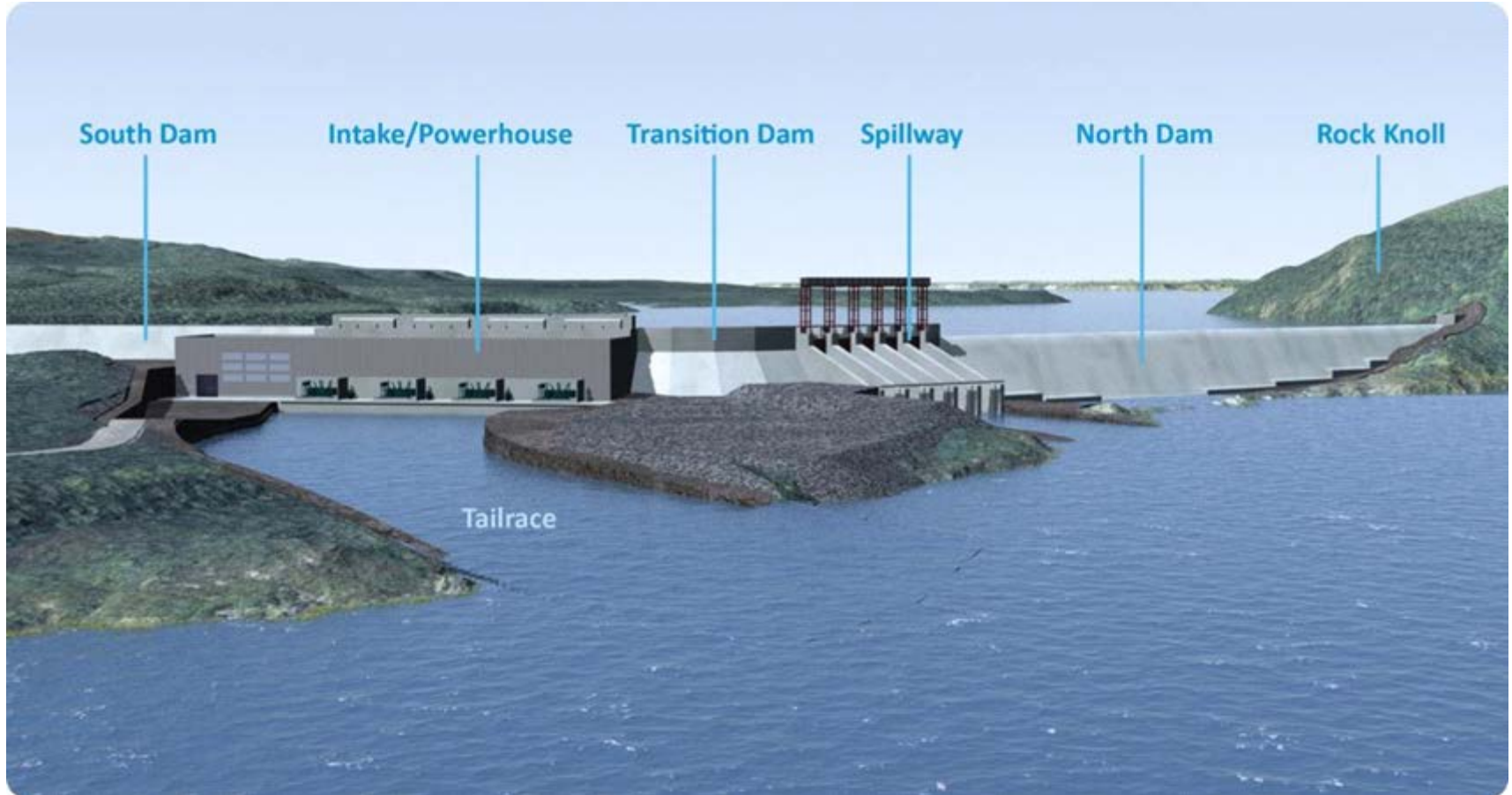
Boundless Energy



Take a
MOMENT
for Safety

General Update

Muskrat Falls Generating Facility



Muskrat Falls – Recent Activity

- Astaldi mobilization complete. Focus shifted to permanent concrete works which requires a different skill set and fewer, but more skilled, workers
- Completed concrete work on Spillway base slab, continued rebar installation and concrete work on piers to support installation of gates in 2015
- Continued steel erection and installation of roofing/siding for Powerhouse cover system
- Received first delivery from China of components for Turbines and Generators

Muskrat Falls – Upcoming Activities

- Continue major concrete work in Spillway
- Continue installation of primary structural steel for Powerhouse: units 1 and 2 enclosures to be structurally complete late Q4 2014/Q1 2015
- Continue concrete work for transition dams
- Complete commissioning of Administration Building
- Complete installation of flooring for Sport Complex; open in near term

Powerhouse Cover System



Powerhouse Cover System



Powerhouse Cover System



Spillway



Spillway



Spillway



Spillway – Piers



Separation Wall



Center Transition Dams



Administration Building



Sports Complex



Sports Complex



Labrador Island Transmission Link



Labrador Island Transmission Link – Recent Activities

- Formally awarded Synch Condensers and Switch Yards contracts to Alstom
- Earthworks program at Soldiers Pond complete
- Commenced installation of HVdc tower foundations (37 complete) and anchors (4 complete)
- Continuing HVdc ROW clearing, road access construction
- Safely completed SOBI HDD drilling program on schedule and under budget; Forteau rock crushing program essentially complete

Labrador Island Transmission Link – Upcoming Activities

- Continue HVdc ROW clearing and access construction in Labrador. Commence work on Island Dec. 2014
- Continue HVdc tower foundation installation
- Continue HVdc anchor installation
- Commence HVdc tower assembly
- Continue subsea cable manufacturing process. Complete first batch Q4 2014

LITL – Tower Foundation Installation



LITL – Tower Foundation Installation



LITL – Tower Foundation Installation



LITL – Access Road Construction



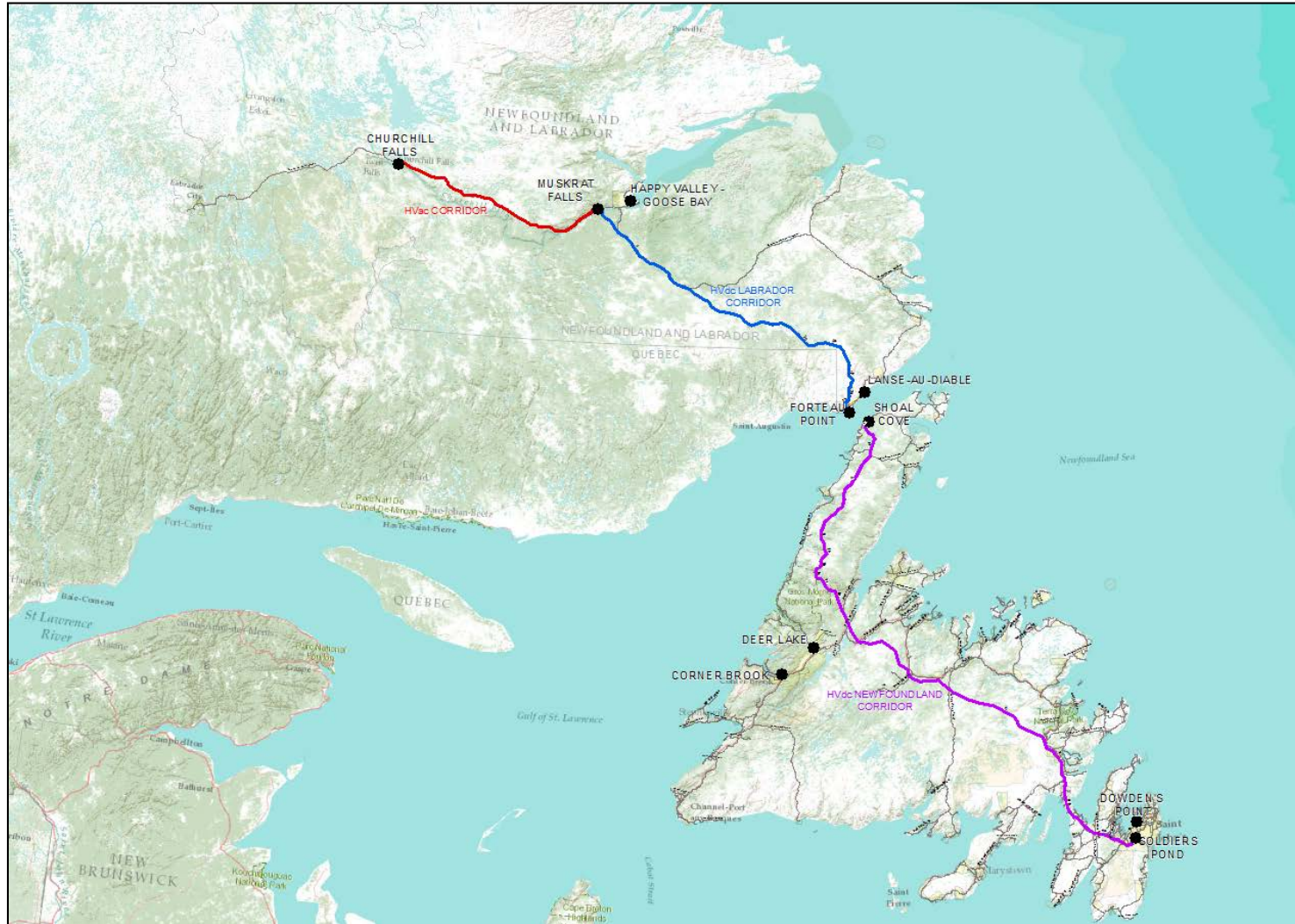
SOBI Transmission Cable Manufacturing



Soldiers Pond



Labrador Transmission Assets



Labrador Transmission Assets – Recent Activities

- Valard continues to mobilize workforce
- Right of Way clearing complete
- HVac construction:
 - Towers erected (50 complete)
 - Assembly of towers (355 complete)
 - Foundations installed (300 complete)
 - Installation of anchors (277 complete)
- Earthworks program at Churchill Falls complete

Labrador Transmission Assets – Upcoming Activities

- Continue surveying and staking
- Continue tower assembly
- Continue guy wire installation
- Continue installation of tower foundations
- Continue tower erection

LTA - Tower Erection



LTA - Tower Erection



LTA ROW



LTA ROW



Contracting Status

CH008 Construction of North Spur Stabilization Works

- Negotiating cost reimbursable, fixed fee with incentive (bonus for cost reduction) with lead bidder
- Expect to issue Limited Notice to Proceed in early December
- Contract signing in Q1 2015

CH009 Construction of North and South Dams

- RFP closed on 22 October 2014
- Three proposals were received
- Bid(s) evaluations are underway
- Bid clarifications will follow and negotiations thereafter
- Contract award targeted for Q1 2015

CH0031 Supply and Install Mechanical and Electrical Auxiliaries

- Six bidders were originally approved and issued the Request for Proposal (RFP)
- Due to poor bidder engagement a seventh bidder was approved and issued the RFP
- Closing date for proposals has been extended to mid January 2015
- Pricing to be submitted on unit price fixed basis or unit price fixed with trades labour on a cost reimbursable basis under target with cap
- Contract award targeted for Q3 2015

CT0327 Right of Way Clearing Contracts

- To date all Right of Way (ROW) Clearing contracts for Labrador have been awarded and work is underway
- Award Recommendations for ROW Clearing contracts for the northern peninsula are in circulation
- Contracts and start of work is expected by end of year 2014

Potential Changes to Material Contracts

Potential Changes

CH0006: Bulk excavation at MF

- Dispute settlement: \$6 M (still under negotiation, final price unknown)
- Alignment to final quantities of the contract: (\$1.5 M)

CH0030: T&G

- S/I of embedded conduits: \$0.6 M
- Labour rate escalation and Labour rates adjustment due to difference between Labour agreement rates and Bid rates: \$6.5 M (still under negotiation, final price unknown)

Potential Changes

CH0032: Hydro mechanical equipment

- Secondary concrete: \$20 M (it was an option in their bid, price is firm unless there will be change in quantities resulting from engineering changes)

CT0319: Construction of the AC line

- Additional anchors required due to poor soil conditions: \$6 M (estimate, final quantities unknown)

CD0501: Converters and transition compounds

- Lockable visible break: \$0.6 M
- Award of civil works: Value unknown for now

Potential Changes

CD0501: Converters and transition compounds

- Lockable visible break: \$0.6 M
- Award of civil works: Value unknown for now

CH0007: Intake, PH, Spillway and transition dams concrete

- Revised IFC drawings for South Transition Dam: \$0.3 M
 - Revised IFC drawings for PH and Spillway: \$3 M (awaiting for price from contractor)
 - Over break concrete: \$3 M (awaiting for price from contractor)
- Estimated costs of potential changes are included in the FFC

Sharing our ideas in an open and supportive manner to achieve excellence.

Teamwork

Open Communication

Fostering an environment where information moves freely in a timely manner.

Honesty and Trust

Being sincere in everything we say and do.

Relentless commitment to protecting ourselves, our colleagues, and our community.

Safety

Respect and Dignity

Appreciating the individuality of others by our words and actions.

Leadership

Empowering individuals to help, guide and inspire others.

Holding ourselves responsible for our actions and performance.

Accountability