

OTL: Period Achievements and Priority Focus Areas

Period Ending: 11-Dec-2016



PERIOD ACHIEVEMENTS

**HVac
(CT0319)**

- 735 kV micro pile crew mobilized and foundation works started. Tower shoes built.
- Planning started for CF gantry connections
- L1-142 micro pile design in-progress; option for grout injection reinforcement under study
- Erosion control works concluded for year, will resume in spring 2017

**HVdc
(CT0327)**

- Midal replacement wire delivered to HVGB
- 3rd stringing crew mobilized and preparations commenced for restringing
- **Currently 57 foundations ahead of plan**
- Advanced test pitting & joint ground truthing commenced in Segment 5 – 40% complete
- All guy anchor installed in Labrador
- Stringing crews maintain schedule in Labrador
- Final foundation installation underway in Labrador

**HVdc
ROW &
Access**

- **LRM access joined on 10-December**
- **Blocks 17 & 18: 9 km of road to construct & 45 Ha to clear.**
- Additional snowclearing equipment mobilized – 36 pieces working

PRIORITY FOCUS AREAS

**HVac
(CT0319)**

- 735 kV towers fully assembled
- 735 kV micro pile foundation completed
- Obtain proposals and plans for outstanding coring and reclamation work

**HVdc
(CT0327)**

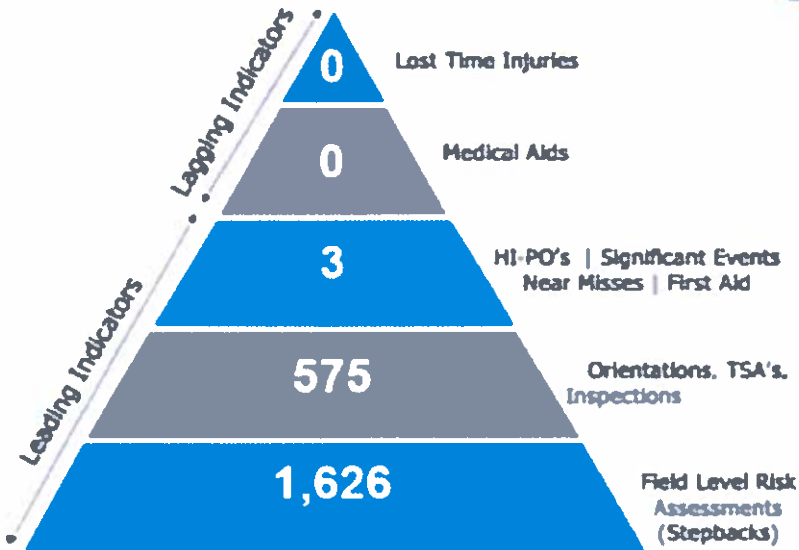
- Increase visibility on plan for October 2017 finish
- 3rd stringing crew to start restringing operations in S1
- Move of stringing crew into Segment 3, 275
- Finish erection in Labrador pre-Xmas – 2 towers remain
- **Mobilization of Macro-Pile crew and additional LEG guy anchor crew**
- Access development Segment 3 winter zone
- Conclude test pitting in Segment 5 and geotechnical borehole program in Segment 4

**HVdc
ROW &
Access**

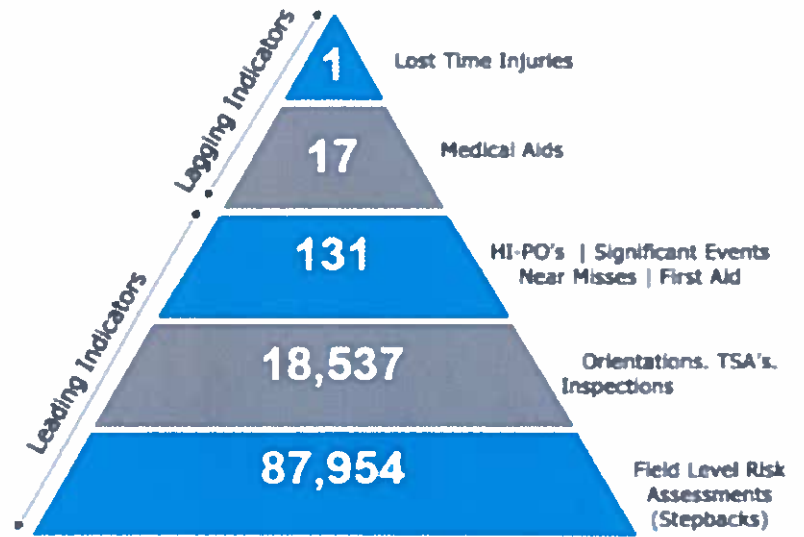
- Blocks 17 & 18: Confirm plan and timing to complete balance of scope and close open punchlist

OTL: Health and Safety Leading/Lagging Indicators

Period Ending: 11-Dec-2016



0 Lagging events during period 27-Nov to 10-Dec Period



Year-to-Date

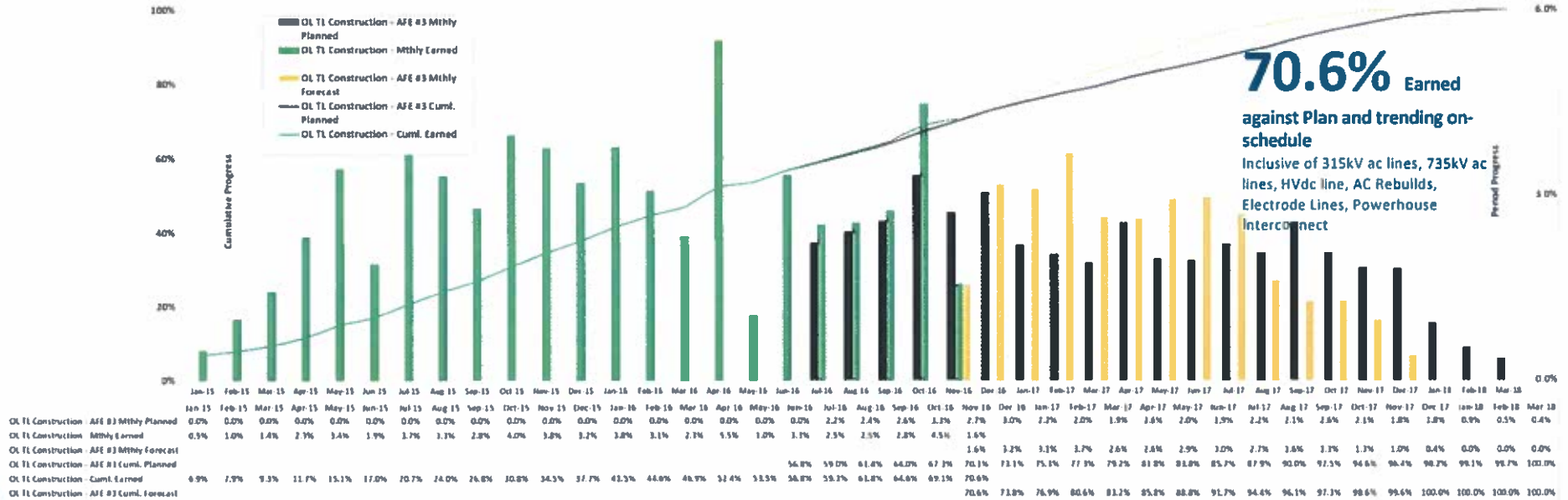
FOCUS AREAS	STATUS	
Non-Compliance with D&A Standard	Investigating several high-profile concerns; K-9 search planning underway	
H&S leadership and resources at Valard	Two (2) additional Valard field advisors mobilized. Weekly surveillance report being shared by Valard	
Unsafe Excavation Practices	Field Audit Completed – full compliance noted. Focus directed towards new crew start-up in Jan.	
Resolution of OHS Directives	Open items closed; coordinated effort with OHS planned for new year	
Winter Readiness – Driving Incidents	Driving habits; winter outfitting of mobile equipment (chains, corks, etc.)	

OTL: Overall Construction S-Curve

Period Ending: 11-Dec-2016



Overland Transmission Line Construction - Overall Construction Progress; 30-Nov-2016



HIGHLIGHTS

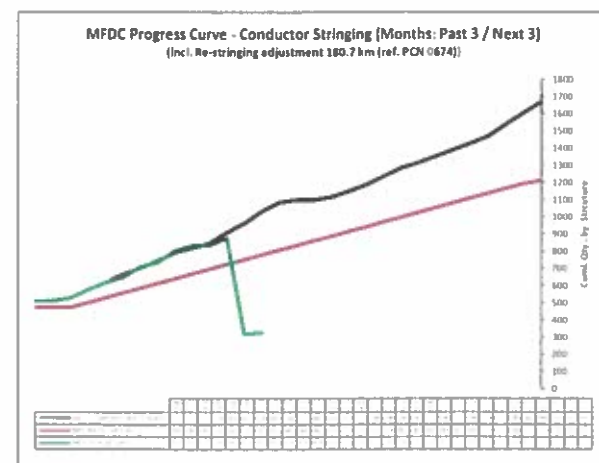
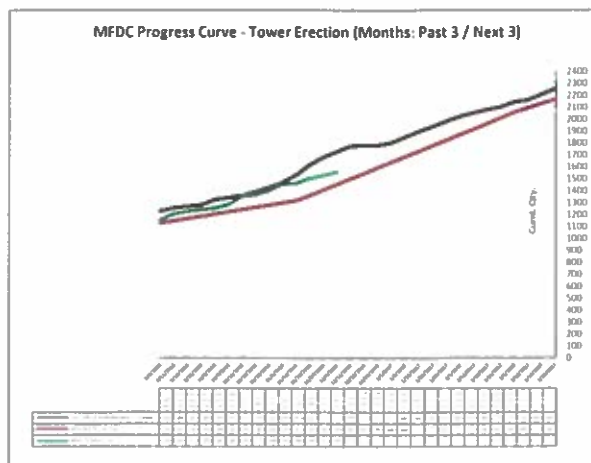
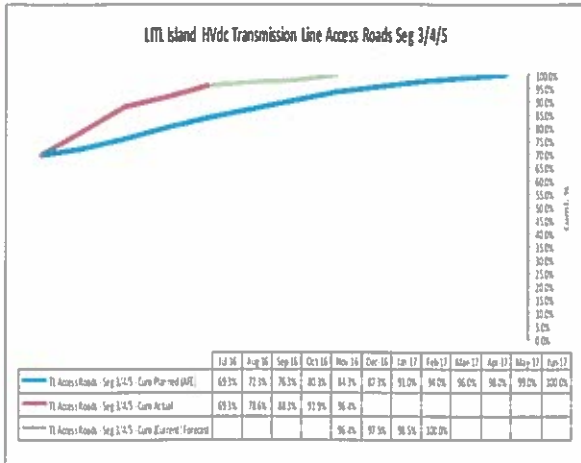
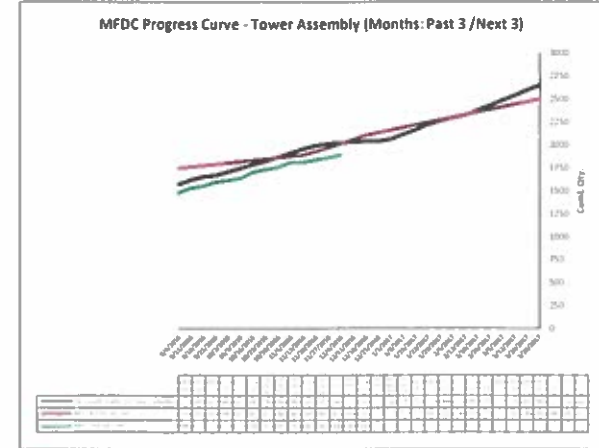
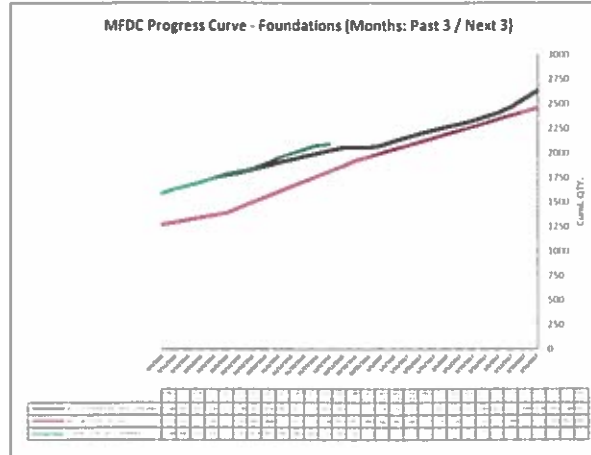
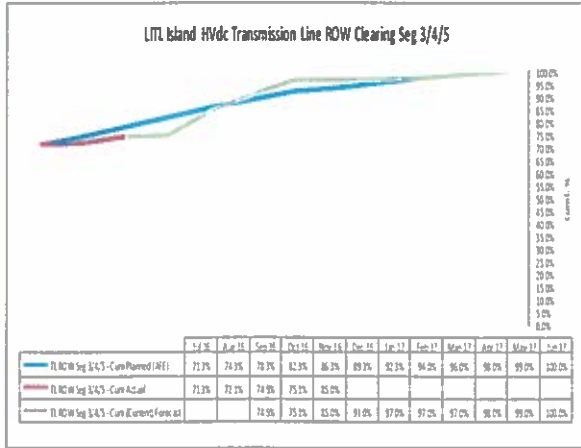
- Progress as of 30-Nov-2016: **Actual 70.6%** vs. AFE Rev 3 Reforecast of 70.1% (- Cuml. % adjustment for the Conductor Re-stringing has been incorporated in Nov-16)
- Forecast Completion: **December 2017** vs. AFE Rev 3 Target of March 2018 – Completion driven by Valard’s reforecast plan for HVdc TL (note all Towers currently assembled in Labrador with only 2 to go for erection as of 14-Dec-2016)
- AC Rebuilds - all work completed. Awaiting final tie-ins at Soldier’s Pond gantry

OTL: HVdc Line Construction Key Quantity Tracker

Period Ending: 11-Dec-2016



57 tower foundations ahead of Valard recovery plan – Below Graphs for HVdc quantities are Quarterly progress/look-ahead

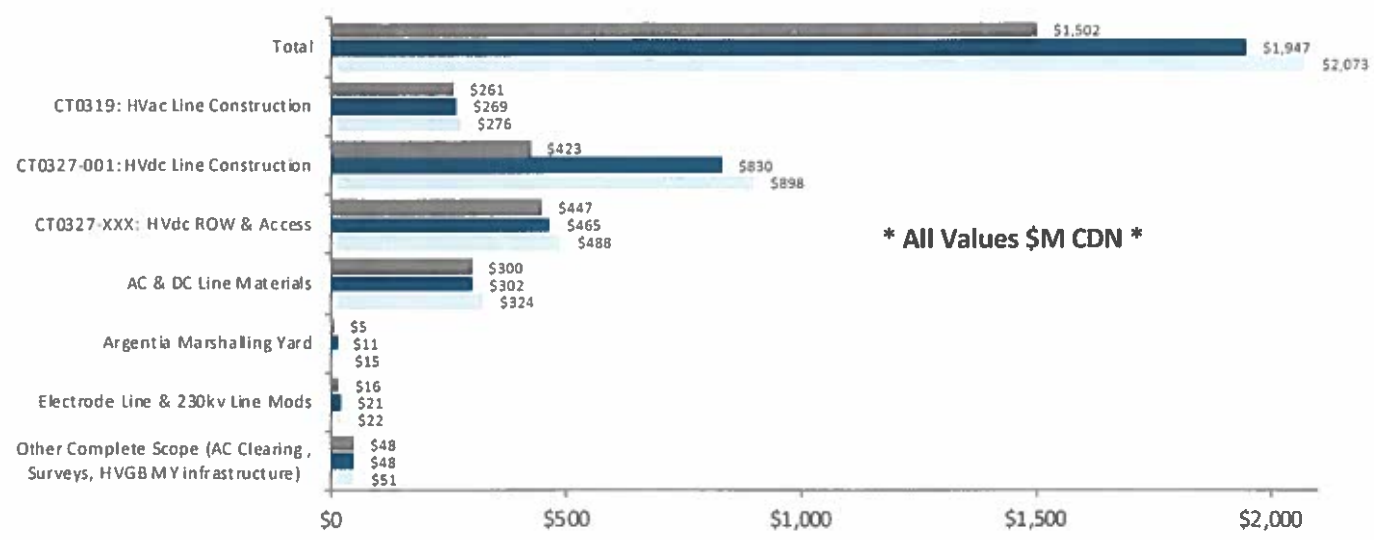


Notes:

- Total structures = 3,229
- Based on Valard's Weekly report Construction Completions for the period up to 3-Dec-2016
- As per PCN -0674, Conductor progress adjustment completed in Nov. (501 structures to be re-strung based on 905 actual to date 27-Nov-16)

OTL: Cost Performance Snapshot

Period Ending: 11-Dec-2016



* All Values \$M CDN *

Current Control Budget (AFE Rev 3)

72% Incurred against budget and trending on-budget

Excludes Reservoir Clearing (MF Scope) & GWF Bond Recuperation

November 2016 Cost Data:

- Incurred-to-Date
- Total Commitment
- Approved Budget

KEY COST TRENDS STATUS

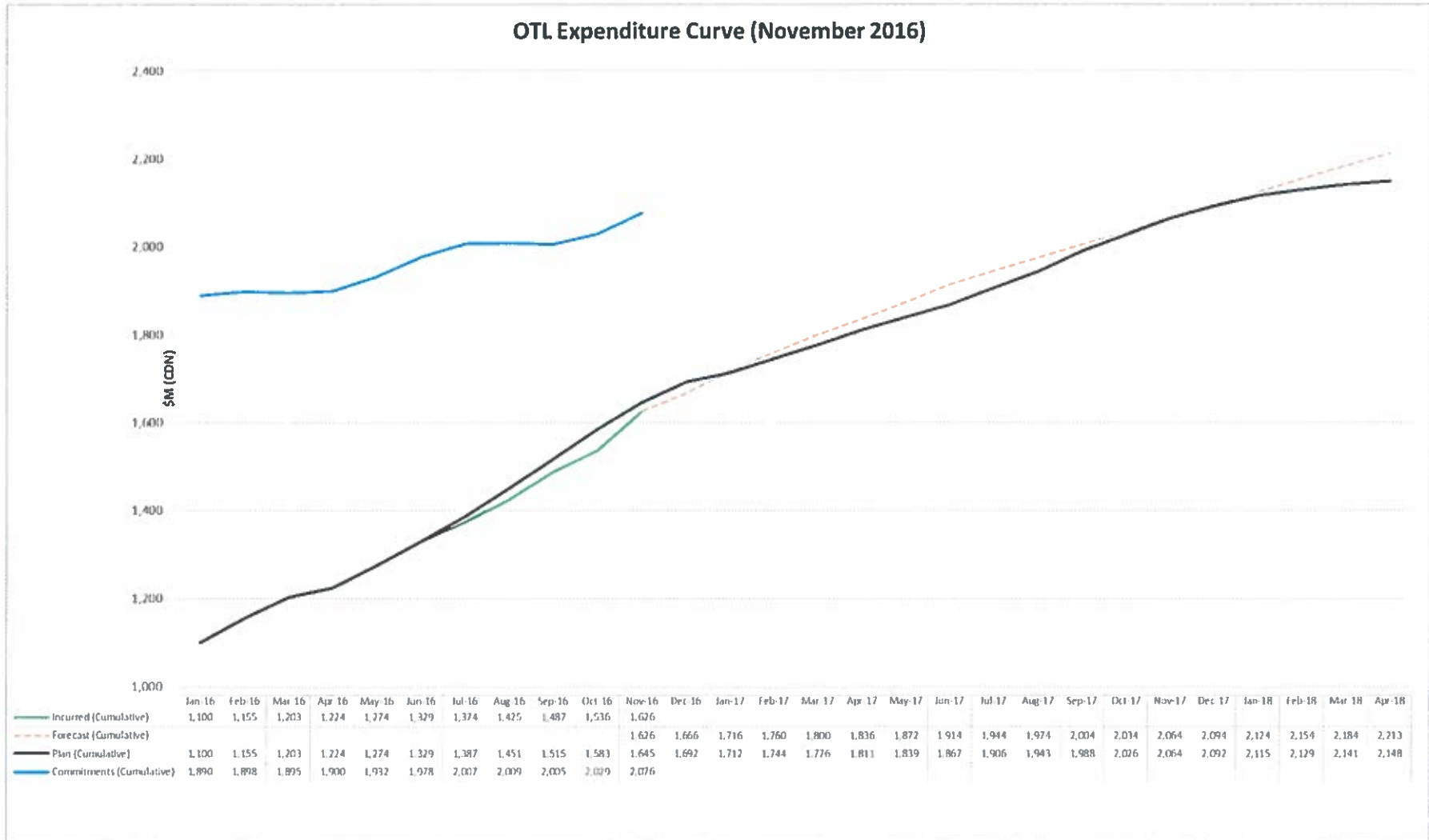
Potential cost implications and delay to construction schedule due to proud stranding on HVdc conductor (re-commence stringing)	Working through Valard's claim cost for suspension	
Address Valard's position regarding travel MOU	Valard objecting to LITP ability to implement. Preparing commercial position to respond.	
Construction Access Cost Exposure - Ongoing Maintenance & Snow Clearing	Currently under review, heavily influenced by winter weather conditions. Additional equipment mobilized	
Foundation Program Quantity Exposure (pile vs. grillage)	Review undertaken & tracking with AFE Rev 3 Macro-pile will assist with exposure management	
Verification and assessment of potential out of scope work (Valard submission of LEMs / Change Requests)	Initial assessment completed. Commercial position communicated to Valard.	

OTL: Expenditure Curve

Period Ending: 11-Dec-2016

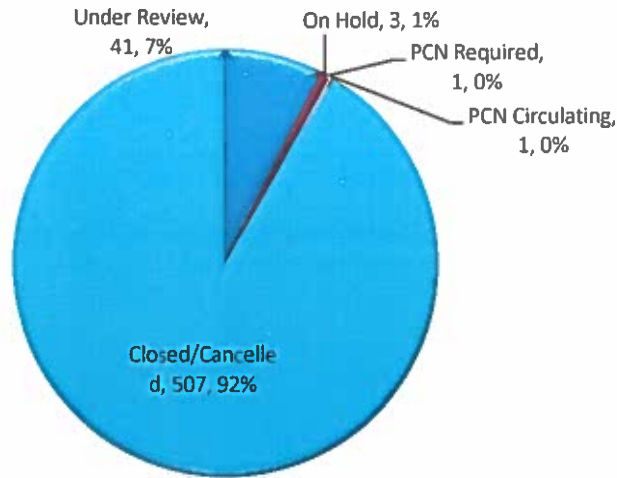


OTL Expenditure Curve (November 2016)

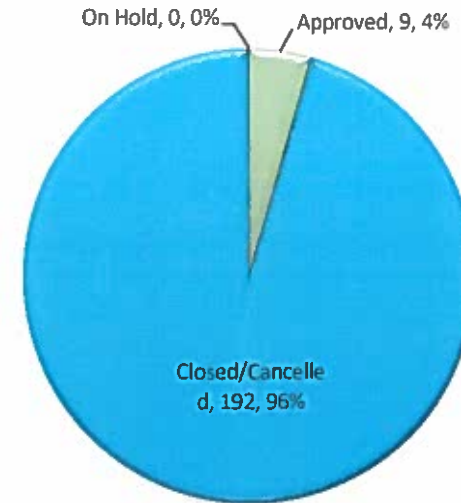


OTL: Management of Change Snapshot

Period Ending: 11-Dec-2016



91% DANs Closed, with 7% Under Review. DANs are focused on material / installation tracking & overall schedule delay repercussions.






96% PCNs closed. 9 Approved PCNs with actions and 1 will circulate this week (Construction Scope & Line Design for TL 266 (230 kV Line Re-build at Soldiers Pond)).

FOCUS AREAS	TITLE	BUDGET	STATUS
DAN-1999 / PCN-0674	Pole Conductor Loose Strand	N	Rev 1 approved – Rev 2 will circulate in February 2017.
DAN-2302	HVdc Line Material Transfer from Labrador to the Island	Y	Confirming costs to transfer materials
DAN-2316	Change in foundation to Micropile on 735 kV Interconnection CF	Y	Change request being reviewed

OTL: Key Issues / Risks

Period Ending: 11-Dec-2016



KEY ISSUE / RISK	MANAGEMENT APPROACH	EXPOSURE LEVEL
<p>Potential delay to construction schedule due to proud strand on HVdc conductor</p>	<ul style="list-style-type: none"> • Conclude investigation and prep commercial position • Secure replacement cable (Midal) & modify existing cable (General Cable) • Secure arrangement for removal and & replacement 	
<p>Valard's Performance – Overall Completion Delay (Slow start-up, inadequate resourcing, leadership and competencies)</p>	<ul style="list-style-type: none"> • Help Valard see the gaps, Identify solutions for Valard, Protect LITP Position • Help Valard create a viable plan – get new Project Director and COO buy-in • Work with Valard to resolve resourcing issues, including crew mobilization and incremental supervision • Minimize ROW and material constraints • Get out ahead and remove obstacles 	
<p>Potential Commercial Claims from Valard</p>	<ul style="list-style-type: none"> • Manage to the contract • Achieve strategic alignment with Quanta • LCMC resources on the ground proactively monitoring Valard • Designated resources mobilized to support in-field commercial management 	
<p>Segment 3 Winter Zone Execution – Single Season Constraint</p>	<ul style="list-style-type: none"> • Work with Valard to develop a viable plan • Increase visibility of readiness • Leverage macro-pile to reduce foundation schedule exposure 	

OTL: Construction Progress Snapshot

Period Ending: 11-Dec-2016



AREA	SUB-AREA	% COMPLETE	FORECAST / ACTUAL COMPLETION *	PERIOD FORECAST CHANGE (days)	AFE REV. 3 TARGET	INDICATOR
315 HVac TL (MF to CF)	- Clearing /Access - TL Construction	100% 100%	28-Oct-2014 30-Sept-2016			
735 Hvac TL	- Clearing / Access - TL Construction	100% 20%	28-Oct-2014 15-Feb-2017		15-Dec-2016	
350 HVdc TL (MF to SP)	- ROW Clearing - Access - TL Construction	84% 94% 46%	30-June-2017 27-Feb-2017 15-Nov-2017	(-181) (-58) (-135)	30-Jun-2017 30-Jun-2017 30-Mar-2018	
Electrode Line-Island East	TL Construction	65%	27-Feb-2017	(-12)	15-Dec-2016	
Electrode Line-Labrador	TL Construction	0%	30-Aug-2017	(-61)	30-Aug-2017	
Soldiers Pond AC Line Rebuilds & re-terminations	TL Construction	90%	15-Dec-2017	(-303)	15-Dec-2016	

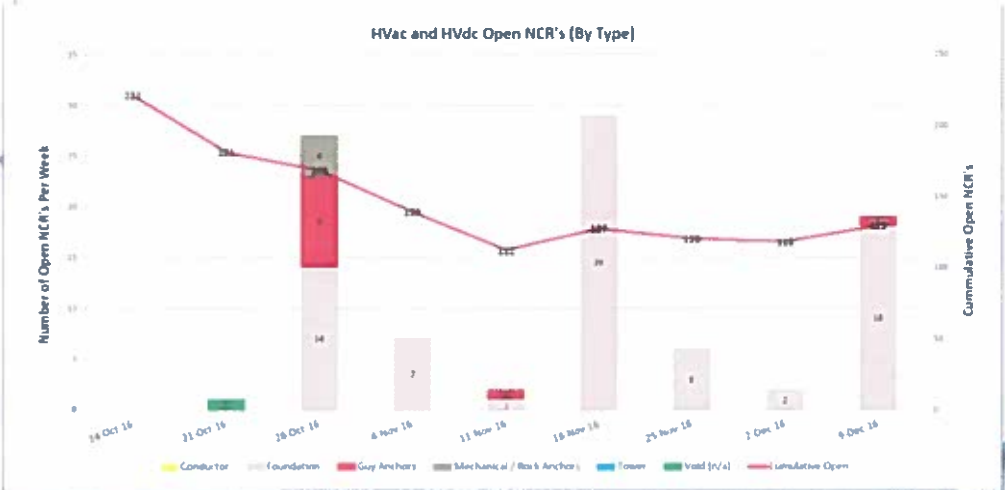
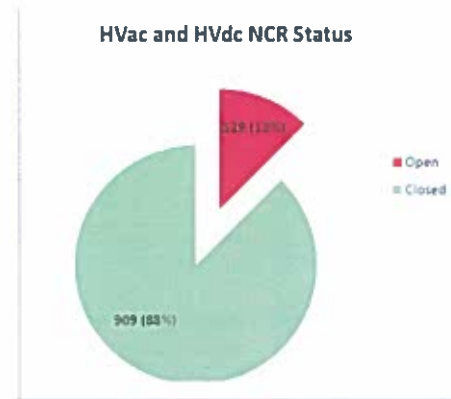
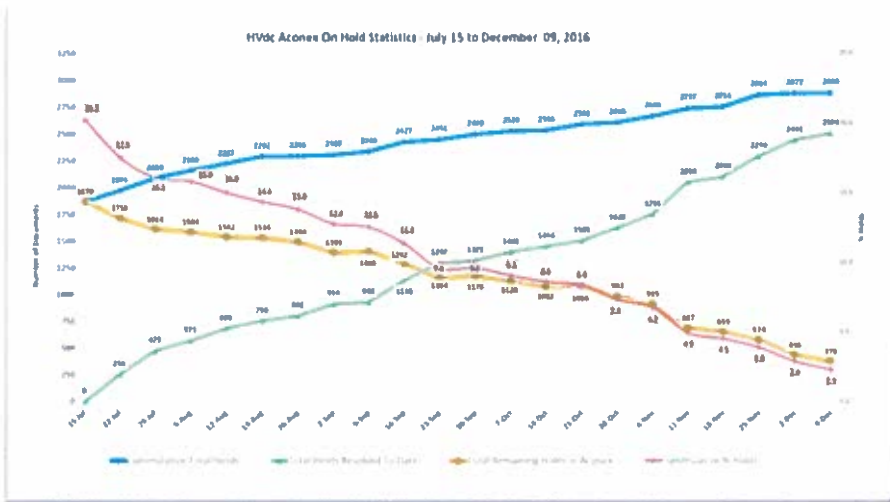
Planned
Completed

In terms of scope, schedule, and budget, the project is

on track generally on track, with minor issues off track

OTL: Quality Metrics

Period Ending: 11-Dec-2016



HIGHLIGHTS

- 70.36% reduction of on hold quality documents from original 955 count
- 39 out of 44 previously held intermediate foundation packages related to ECN 1 to 20 are acknowledged
- Total of 1,424 quality documents processed in Aconex and 730 in field /site review
- 21 new NCR's opened; 12 closed

OTL: HVac Completions

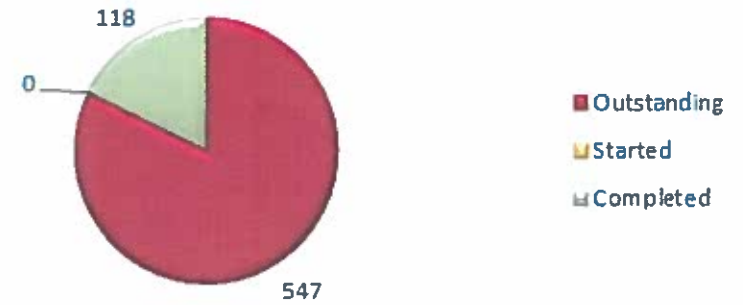
Period Ending: 11-Dec-2016



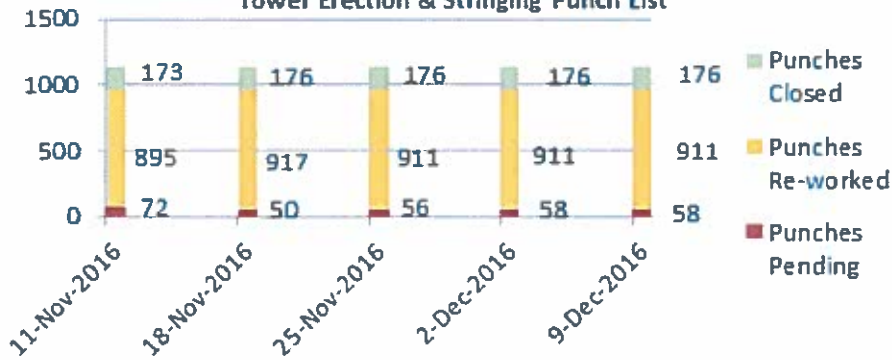
Tower Erection & Stringing Walk Downs



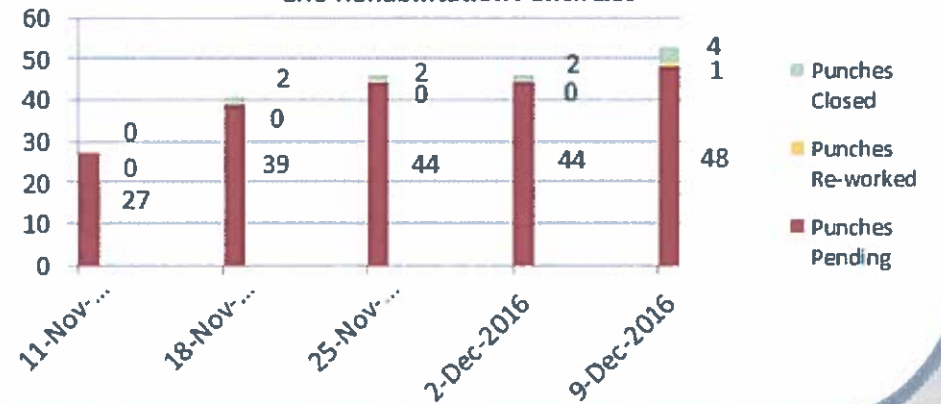
ERC Rehabilitation Walk Downs



Tower Erection & Stringing Punch List



ERC Rehabilitation Punch List

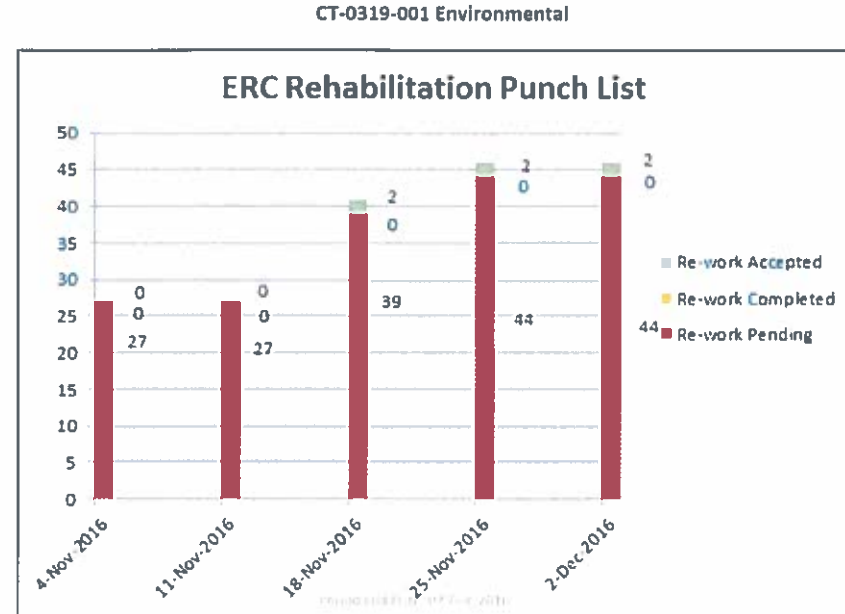
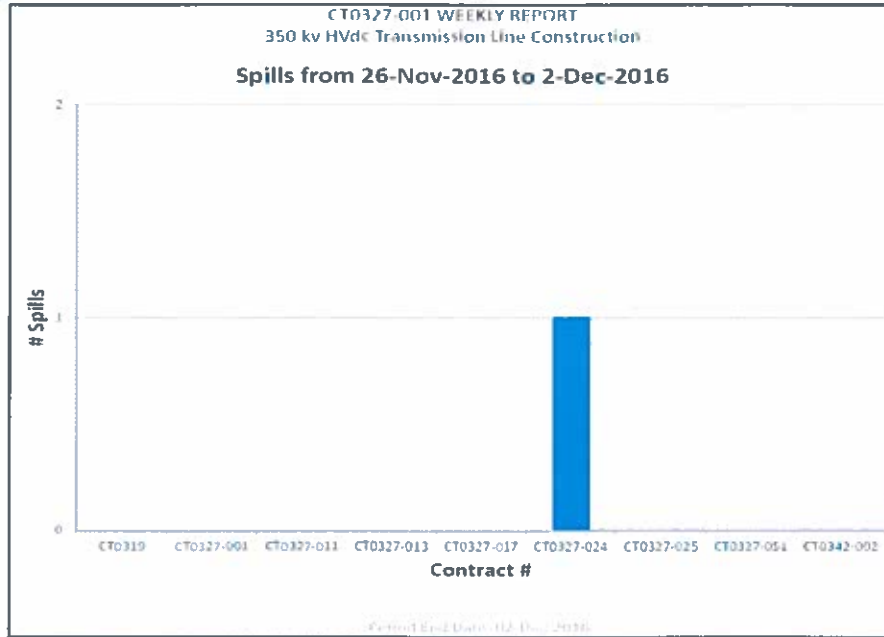


HIGHLIGHTS

- No punchlist activity for Towers & Stringing or ERC this period
- Awaiting Valard's ERC rehabilitation plan for balance of scope

OTL: Environment and Regulatory Compliance

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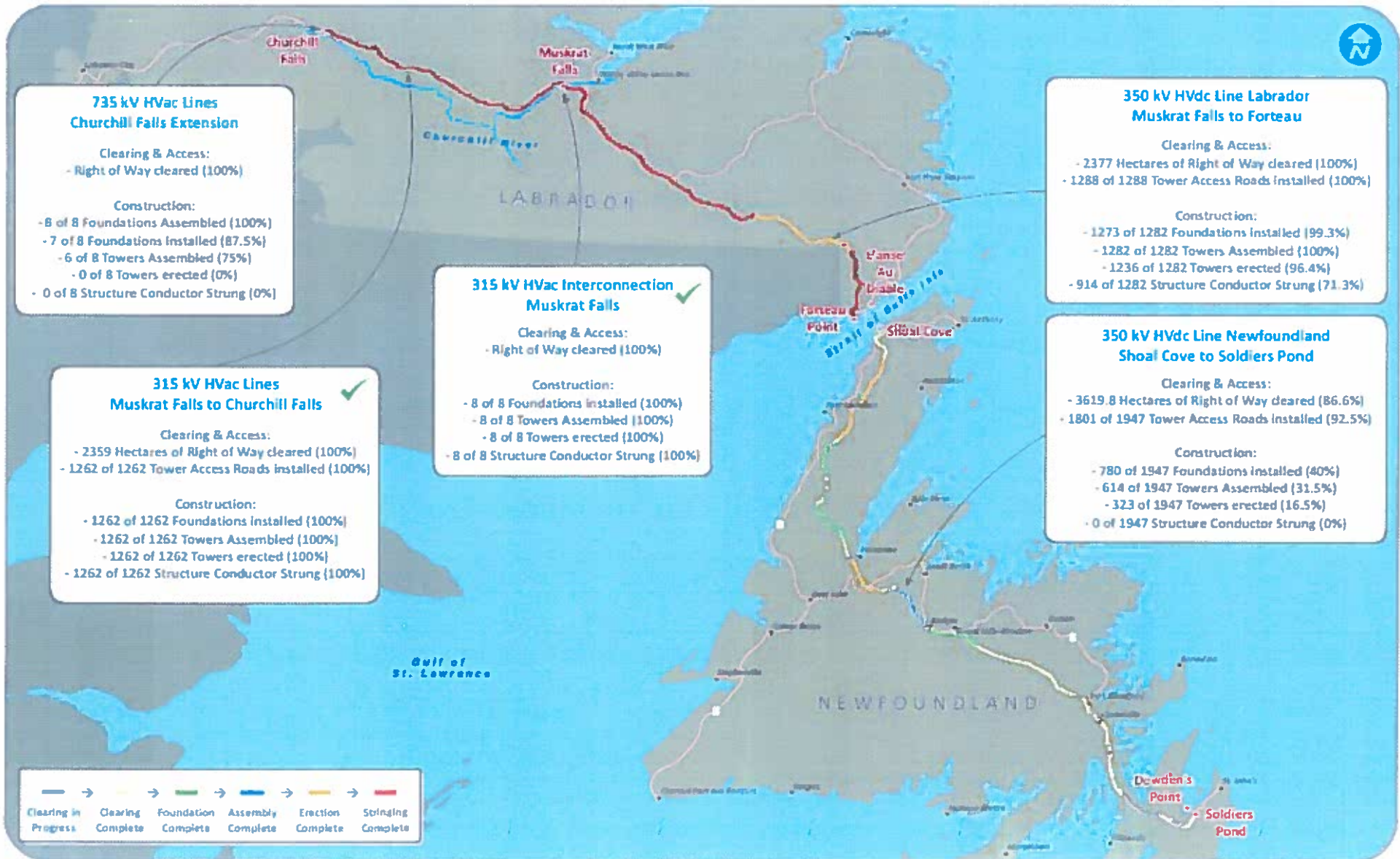


HIGHLIGHTS

- AC ERC completions walkdowns on hold due to winter conditions. Execution of the site specific reclamation work as outlined by LCP is ongoing
- Working with Valard on re-opening quarries in segment 3 and segment 4
- TNWZ work completed all LCP Post Remediation Reports submitted
- Streamlining the use of subordinate quarry acquisition with NL Hydro in S4 & S5 where material is limited
- Valard DC8 Gambo Camp approvals received for Water & Sewage, Crown Lands & Clearing
- Approval received for realignment of HVdc transmission line, new access & bypass roads & work within the 50m buffer within Harbour Main PPWSA
- PPWSA approval received for a quarry within the Whitebourne PPWSA – S5-425

OTL: Overall Progress Visual

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LCP - HVac and HVdc Transmission Line Construction Progress 03 DEC 2016