		CE 01 (Public): Voltage and Conductor Optimization prepared by Hatch – April 08
		CE 02 (Public): Voltage and Conductor Optimization Addendum (Dec 2008)
		CE 03 (Public): HVdc System Integration - Volume 1 - Summary Report (May 2008)
		CE 04 (Public): Volume 2 - Power Flow & Short Circuit
		CE 05 (Public): Volume 3 - Comparison of Conventional and CC HVdc Technology
	Confidential Exhibits (Bublis) 1 11	CE 06 (Public): Volume 4 - Multi-Terminal HVdc Link PSSE Stability Model
	Confidential Exhibits (Public) 1-11	CE 07 (Public): Volume 5 - Transient Stability Study – May 2008
		CE 08 (Public): Volume 6 - Cursory Evaluation of Alternate HVdc Configurations
		CE 09 (Public): Electrode Review-Gull Island & Soldiers Pond–March 08
Box 1		CE 10 (Public): HVdc Sensitivity Studies - Final Summary Report (July 2010)
		CE 11 (Public): Electrode Review – Types and Locations – March 2010
		CE 12 (public): Electrode Review Confirmation of Type & Site Selection – Final Report
		CE 13 (public): PMF & Construction Design Flood Study 2008
		CE 14 (public): Dam Break Study – Volume 1
	Confidential Exhibits (Public) 12-20	CE 15 (public): Review of Variants – March 2008
		CE 16 (public): Spillway Design Review – December 2007
		CE 17 (public): River Operation During Construction & Impounding – Jan 2008
		CE 18 (public): Numerical Modeling of Muskrat Falls Structures – May 2008
		CE 19 (public): 2010 Site Investigations Geotechnical Report – Vol 1 - June 2011
		CE 20 (public): MF Site Access Review-Technical Report–Feb 11
		CE 22 (Publlic0: Muskrat Falls 1330; Report 1. Hydraulic modeling and studies 2012 update
		CE 23: Muskrat Falls 1330; Report 2. Hydraulic modeling and studies 2012 update
		CE 24: Muskrat Falls 1330; Report 3. Hydraulic modeling and studies 2012 update
		CE 25: Muskrat Falls ice study update 2010; Final report 2011
		CE 27: Rev 1. Summary of studies on firm and average energy production
		CE 28: Rev 1. Power and energy model study Vol1
	Confidential Exhibits (Public) 22-43	CE 29: Rev 1. Optimization study Vol1
		CE 30: Rev 1. Vol2
		CE 31: Rev 1. Gull Island to Soldiers Pond HVDC interconnect systems studies Vol1
		CE 33: Rev 2. Derivation of Holyrood #6 fuel price
		CE 40: Rev 2. Shore approach feasibility study – Strait of Belle Isle cable crossing
		CE 42: Rev 2. Lower Churchill project rock berm concept development – study report
		CE 43: Rev 2. Tideway project
		CE 44 (Public): SOBI Marine Crossing Phase 2 Conceptual Design
	1	The state of the s

		CE 46 (Public): CCGT Capital Cost Benchmark Study Final Report		
		CE 47 (Public): 50 MW Gas Turbine - Budget Estimate		
D . 2		CE 50 (Public): Strategist Module Documentation		
Box 2		CE 51 (Public): Overview of Decision Gate 2 Capital Cost and Schedule Estimates		
		CE 52 (Public): Technical Note – Strategic Risk Analysis and Mitigation		
	Confidential Exhibits (Public) 44-68	CE 53 (Public): ANNUAL FIGURES (Net Cash Flow Analysis PWC 245)		
		CE 54 (Public): Upper Churchill PMF & Flood Handling Procedures Update August 2009		
		CE 55 (Public): SOBI Submarine Cable Tech RFP - Aug 2011		
		CE 56 (Public): Feasibility Study HTGS Units 1&2 Conversion to Synchronous Condenser		
		CE 61 (Public): PWC Derivation of \$76 per MWH LCP DG2.		
		CE 64 (Public): LCP Financial Returns - Muskrat Falls, Serving Island Load Only		
		CE 68 (Public): Listing of 3rd Party Vendors - September 30, 2011		
	Muskrat Falls Review: Final Written	March 2, 2012: Consumer Advocate Final Written Submission		
	Submissions	March 2, 2012: Nalcor Final Written Submission		
		Nalcor's submission to Board of Commissioners of Public Utilities with respect to reference from		
		the Lieutenant-Governor in Council on Muskrat Falls Project		
	Nalcor's Submission to Public Utilities	Transmission planning manual		
	Board – November 10, 2011	<u>Labrador – Island HVDC link and island interconnected reliability</u>		
		Canadian Gazette Part I		
		<u>Financial Summary Report</u>		
Box 3		Exhibit 1: NLH 2010 Planning Load Forecast (PLF) for the Island Interconnected System		
		Exhibit 1 Addendum: NLH 2010 PLF for the Island Interconnected System		
		Exhibit 2: Load Shape		
		Exhibit 3: Nalcor Inflation and Escalation Forecast		
		Exhibit 3 - Part 2: Nalcor Inflation and Escalation Forecase Part 2 - March 2011		
		Exhibit 4: Nalcor / NLH Thermal Fuel Oil Price Forecast Reference Forecast - Jan 2010		
		Exhibit 5: Cashflow Calculations for 2010 Generation Expansion Studies Direct Cost(a)		
		Exhibit 5: Cashflow Calculations for 2010 Generation Expansion Studies Direct Cost(b)		
		Exhibit 5 A: Capital Cost Estimates - Wind		
		Exhibit 5 B: Studies for Island Pond Hydroelectric Project dated December 2006		
		Exhibit 5 C: Feasibility Study for Portland Creek Hydroelectric Project dated January 2007		
		Exhibit 5 D (i): Feasiblity Study Round Pond Development dated February 1989		
	Public Exhibits 1-5	Exhibit 5 D (ii): Feasiblity Study Round Pond Development dated September 1988		
	I	Exhibit 5 E: 2010 Capital Cost Update - Muskrat Falls HVdc Link (a)		

		Exhibit 5 E: 2010 Capital Cost Update - Muskrat Falls HVdc Link (b)
		Exhibit 5 F: Muskrat Falls Capex 15% Contingency: Quarterly Capex Summary
		Exhibit 5 G: Capital Cost Estimates - 50 Mw CT (Greenfield)
		Exhibit 5 H: Holyrood Combined Cycle Plant Study Update dated November 2001
		Exhibit 5 I: Capital Cost Estimates - 25 MW Wind Farm Hydro-Constructed
		Exhibit 5 J: Capital Cost Estimates - Fermeuse Replacement Hydro-constructed
		Exhibit 5 K: Capital Cost Estimates - St. Lawerence Wind Farm Replacement Hydro-Constructed
		Exhibit 5 L (i): Precipitator and Scrubber Installation Study HTGS dated November 20, 2008
		Exhibit 5 L (ii): Capital Cost Estimates - HTGS Environment Improvements - Low NOx Burners
		Exhibit 6 A: Hydro PPA Details dated July 2, 2011
		Exhibit 6 B: Labrador HVdc Analysis 2010: Input to NLH Generation Planning Analysis
		Exhibit 7: Muskrat Falls Requirements
		Exhibit 8: Table 1 – Muskrat Falls operating and maintenance cost
		Exhibit 9: Thermal units – Average heat rates
		Exhibit 10 A: Net Generation Split 2010
		Exhibit 10 B: Annual Average and Firm Energy Production forecast refer to Exhibit 16
		Exhibit 11: Asset maintenance schedule
	Public Exhibits 6-20	Exhibit 12: Forced outage rates summary sheet
	Public Exhibits 6-20	Exhibit 13 A: Generation Unit Capacities - By Plant (refer to Exhibit 16)
		Exhibit 13 B: Generation Unit Capacities
		Exhibit 14: PLF generation expansion plans
		Exhibit 15: Cost out analysis
		Exhibit 16: Generation planning issues 2012 July update
		Exhibit 17: Schedule A – Water management agreement
		Exhibit 18: Contractor front sheet
		Exhibit 19: NL Hydro final feasibility study Vol1 – Muskrat Falls
		Exhibit 20: Summary of IPA – Muskrat Falls
		Exhibit 21: Gate 2 independent review
Box 4		Exhibit 22: Gate 2 independent review
		Exhibit 23: Historical summary of the Labrador – Island HVDC system configuration for the Lower
		Churchill project
		Exhibit 24: Island transmission system outlook

		Exhibit 25: Q5. A report of the information and data collected for wind farms
		Exhibit 26: Closed outage rates for 2006 update
		Exhibit 27: Summary of NL Hydro long term planning load forecast
		Exhibit 28: Q10. Refurbishment of Holyrood generating station
		Exhibit 20. Q10. Retails similar of Holyrood generaling station
		Exhibit 29: Cost effectiveness of delivering power from Lower Churchill River in Labrador to Island
		Exhibit 29 Revision 1: Cost Effectiveness of Delivering Power from LC to Island - Dec 1980
	Public Exhibits 21-40	Exhibit 30: Lower Churchill project design progression 1998-2011 (1 of 2)
		Exhibit 31: Lower Churchill project cost estimate progression 1998-2011 (2 of 2)
		Exhibit 32: Muskrat Falls capital cost information
		Exhibit 33: Summary of ocean current stats for the cable crossing at Strait of Belle Isle
		Exhibit 34: Review of fishing equipment – Strait of Belle Isle
		Exhibit 35: Iceberg risk to sub sea cables in Strait of Belle Isle
		Exhibit 36: Q4. A report supporting the purchase price of Muskrat Falls energy by hydro from
		Nalcor
		Exhibit 37: SOIB decision recommendation
		Exhibit 38: Muskrat Falls North SPUR
		Exhibit 39: Muskrat Falls 1260 – Assessment of existing pump well system
		Exhibit 40: Muskrat Falls 1271 Evaluation of existing wells, pumps, and related infrastructure
		Exhibit 41: Muskrat Falls 1272 – installation of new equipment in the Muskrat Falls pump well
		<u>station</u>
		Exhibit 42: 2009 planning criteria review
		Exhibit 43: 2010 Generation Expansion Scenarios
		Exhibit 43 Revision 1: 2010 Generation Expasnion Scenarios
	Public Exhibits 41-50	Exhibit 44: Holyrood condition assessment and life extension study
	Public Exhibits 41-50	Exhibit 45: Domestic average use equation for NL power service territory
		Exhibit 46: General service energy load
		Exhibit 47: Labrador-Island link
		Exhibit 48: Newfoundland and Labrador HVDC project
		Exhibit 49: LCP cost estimating process overview
		Exhibit 50: PMF review and development study
		Exhibit 51: Churchill River Complex - PMF Review & Development Study - Vol 2 - Appendices
		Exhibit 51: Churchill River Complex - PMF Review & Development Study - Vol 2 - Appendices

	•	
		Exhibit 52: Island Pond - Granite Canal Reoptimization and Cost Study - Jan 1997
	Public Exhibits 51-65	Exhibit 53: Island Pond - Final Feasibility - Jan 1988
		Exhibit 54: Bay D'Espoir Flood Analysis and Alternatives Study Dec 1985 Acres
		Exhibit 55: Technical Note - Selection of Turbines and Power Transformers
		Exhibit 56: New Dawn Agreement
		Exhibit 57:Reliability Study of the Strait of Belle Isle HVDC Cable System
		Exhibit 58: Total Island Interconnected Load
		Exhibit 59: Preliminary Transmission System Analysis (Nov 2010)
		Exhibit 60: Island Pond Development Pre-Feasibility Report - Septmber 1986
		Exhibit 61: Assessment of Limitations - Non-Dispatchable Generation - Island System
		Exhibit 62: Key Regression Equations
		Exhibit 63: Provincial Economic Data for Hydro's Planning Load Forecast
		Exhibit 64: Forecast Sub-groups for Island Interconnected System
		Exhibit 64. Forecast 3db groups for Island Interconnected System
		Exhibit 65: Holyrood Marine Terminal 10 Year Life Extension Study - Final Report - April 2011
Box 5		Exhibit 66: Phase I - Investigation of Methods to Improve Emissions Units 1, 2 and 3 - Oct 2002
		Exhibit 67: Engineering Report - HGS MCC Assessment - Jan 2009
		Exhibit 68: Air Emissions Controls Assessment - HTGS - Final Report - Feb 2004
		EXHIBIT 00.711 ETHISSIGNS CONTROLS ASSESSMENT THOS THICKNESSET TES 2004
		Exhibit 69: Studies for Island Pond Hydroelectric Project - Geotechnical Site Investigations
		Exhibit 70: NLH 2010 Generation Expansion Analysis - Other Power Purchases
		EXHIBIT 70. NEIT 2010 Generation Expansion Analysis Other Fower Farenases
		Exhibit 71: Meteorological Study: Gull Island - Stephenville - Holyrood Transmission Line Routes
		Exhibit 71. Weteorological Study. Gail Island Stephenville Holyrood Harismission Emerkoates
	Public Exhibits 66-80	Exhibit 72: The Follow-On Meteorological Evaluation of Proposed Gull Island Transmission Line
		Exhibit 72. The Follow-Off Meteorological Evaluation of Proposed Guil Island Transmission Line
		Exhibit 73: Meteorological Evaluation of Wind / Ice Loadings for Portion of Gull Island Trans Line_
		Exhibit 74: Meterology Research - Technical Reports
		Exhibit 75: Climatological Program 1977-78 Weather Study Ref 2
		Exhibit 76: Report Climatological Program 1978-79 Ref 3
		Exhibit 77: Report Climatological Program 1979-80 Ref 4
		Exhibit 78: Report Climatological Program 1980-81 Ref 5
		Exhibit 79: Report Climatological Program 1981-82 Ref 6
		Extract 73 Treport Similatorogical Frogram 1501 02 from 0

		Exhibit 80: Report Climatological Program 1982-83 Ref 7
		Exhibit 81: NL Hydro report on 1983/84 climate monitoring program
Box 6		Exhibit 82: NL Hydro report on 1988/85 climate monitoring program
		Exhibit 83: NL Hydro report on 1985/86 climate monitoring program
		Exhibit 84: NL Hydro report on 1986/87 climate monitoring program
		Exhibit 85: Reliability study of transmission lines on the Avalon and Connaigre Peninsulas
		Exhibit 86: Twenty years of ice monitoring experience on overhead lines in NL
		Exhibit 87: Assessment of probabilistic climatic loadings on existing 230kv steel transmission lines
		Exhibit 88: Fifth international workshop on atmospheric icing of structures
		Exhibit 89: Upgrading of a 230 KV steel transmission line system using probabilistic approach
	Public Exhibits 81-100	Exhibit 90: Power system simulation laboratory
	Table Extracts of 100	Exhibit 91: HCDC Labrador – Island transmission link review of icing on the Long Range Mountain
		<u>Ridge</u>
		Exhibit 92: DC 1070 – Preliminary meteorological load review
		Exhibit 93: Validation of ice accumulation models for freezing precipitation using field data
		Exhibit 94: Lower Churchill project HVDC Labrador – NL transmission link
		Exhibit 95: Evaluation of icing in the Long Range Mountain Ridge
		Exhibit 96: Evaluate extreme ice loads from freezing rain for NL Hydro
		Exhibit 97: Review of existing meteorological studies conducted on the Labrador-Island
		Exhibit 97 Appendix A Revision 1: Revision to Pages 15-23
		Exhibit 99: NL Hydro generation expansion analysis 2010 isolated island scenario
		Exhibit 100: Output from 2010 isolated island straight run
		Exhibit 101: Independent Supply Decision Review
		Exhibit 102: Provincial Generation and Transmission Grid
		Exhibit 103: Island Interconnected Requirements – Actual and Forecasted
		Exhibit 104: Navigant Consulting Résumé's
		Exhibit 105: Transmission Planning Manual
		Exhibit 106: Technical Note – Labrador-Island HVdc Link and Island Interconnected System
		<u>Reliability</u>
		Exhibit 107: Canada Gazette – Saturday, August 27, 2011

	1	Exhibit 108: Technical feasibility of offshore natural gas and gas liquid development based on a
	Dublic Fubilities 404,440	submarine pipeline transportation system
	Public Exhibits 101-118	Exhibit 109: Clean Air Regulatory Agenda
		Exhibit 110: SaskPower – Clean Coal
		Exhibit 111: NL Hydro Capital expenditures by year
		Exhibit 112: NL Hydro Capital expenditures by year
		Exhibit 113: Alternative means of carrying out the project
		Exhibit 114: Upgrade Transmission line Corridor
		Exhibit 115: Capital Cost Budget Application
		Exhibit 116: 2010 Capital Budget Application
		Exhibit 117: Petroleum product prices
		Exhibit 118: Canada's Energy Future
		PUB – Nalcor 31-40
Box 7		PUB – Nalcor 41-50
		PUB – Nalcor 51-60
		<u>PUB – Nalcor 61-70</u>
		<u>PUB – Nalcor 71-80</u>
		<u>PUB – Nalcor 81-90</u>
		<u>PUB – Nalcor 91-100</u>
	Requests for information (PUB – Nalcor)	<u>PUB – Nalcor 101-110</u>
		<u>PUB – Nalcor 111-120</u>
		<u>PUB – Nalcor 121-130</u>
		<u>PUB – Nalcor 131-140</u>
		<u>PUB – Nalcor 141-150</u>
		<u>PUB – Nalcor 151-160</u>
		PUB – Nalcor 161-170
		<u>PUB – Nalcor 171-180</u>
		MHI – Nalcor 1-10
		MHI – Nalcor 11-20
		MHI – Nalcor 21-30
		MHI – Nalcor 31-40
		MHI – Nalcor 41-50
		MHI – Nalcor 51-60
	Requests for information (MHI – Nalcor)	<u>IVIHI – Naicor 61-/0</u>

	MHI – Nalcor 71-80
	MHI – Nalcor 81-90
	MHI – Nalcor 91-100
	MHI – Nalcor 101-110
	MHI – Nalcor 111-120
	MHI – Nalcor 121-131
	RFI's not answered
	CA/KPL/Nalcor 1-10
	CA/KPL/Nalcor 11-20
	CA/KPL/Nalcor 21-30
	CA/KPL/Nalcor 31-40
	CA/KPL/Nalcor 41-50
	CA/KPL/Nalcor 51-60
	CA/KPL/Nalcor 61-70
	CA/KPL/Nalcor 71-80
Requests for Information (CA-KPL –	CA/KPL/Nalcor 81-90
Nalcor)	CA/KPL/Nalcor 91-100
	CA/KPL/Nalcor 101-110
	CA/KPL/Nalcor 111-120
	CA/KPL/Nalcor 121-130
	CA/KPL/Nalcor 131-140
	CA/KPL/Nalcor 141-150
	CA/KPL/Nalcor 151-160
	CA/KPL/Nalcor 161-170
	CA/KPL/Nalcor 171-180
	Comments and additional information #1 ~ 2012-01-11: MW
	Comments and additional information #2 ~ 2012-01-31: Jason D. White
	Comments and additional information #3 ~ 2012-02-06: Maynard clouter
	Comments and additional information #4 ~ 2012-02-13: Stephen E. Bruneau
	Comments and additional information #5 ~ 2012-02-14: LC
	Comments and additional information #6 ~ 2012-02-15: MK
	Comments and additional information #7 ~ 2012-02-15: Bernard Cook
	Comments and additional information #8 ~ 2012-02-20: Brad Cabana
	Comments and additional information #9 ~ 2012-02-21: Lorraine Michael MHA

	1	Comments and additional information #10 ~ 2012-02-27: GP
		Comments and additional information #11 ~ 2012-02-27: JM
		Comments and additional information #11 Rev 1 ~ 2012-02-29: JM Revision 1
		Comments and additional information #12 ~ 2012-02-28: SJ Board of Trade
		Comments and additional information #13 ~ 2012-02-28: Maurice E. Adams
		Comments and additional information #14 ~ 2012-02-28: MC
		Comments and additional information #15 ~ 2012-02-29: Island Industrial Customers
	Muskrat Falls PUB review	Comments and additional information #16 ~ 2012-02-29: EC
		Comments and additional information #17 ~ 2012-02-29: MC
		Comments and additional information #18 ~ 2012-02-29: BG
		Comments and additional information #19 ~ 2012-02-29: Consumer Group for Fair Gas Prices
		Comments and additional information #20 ~ 2012-02-29: Brian Grant
		Comments and additional information #21 ~ 2012-02-29: Winston Adams
		Comments and additional information #22 ~ 2012-02-29: James Feehan
		Comments and additional information ~ 2012-02-29: James Feehan E-Brief
Box 8		Comments and additional information #23 ~ 2012-02-29: James Conway
		Comments and additional information ~ 2012-02-29: James Conway Curriculum Vitae
		Comments and additional information #24 ~ 2012-02-29: Cashin, Hearn and Browne
		Comments and additional information #25 ~ 2012-02-29: Ken LeDez
		Comments and additional information #26 ~ 2012-02-29: ND
		Comments and additional information #27 ~ 2012-02-29: Jerome Kennedy Q.C. Minister of
		<u>Natural Resources</u>
		Comments and additional information #28 ~ 2012-02-29: RG
		<u>Nalcor</u>
		MHI
		Cabot Martin
		Cabot Martin Supplementary Filing Feb 29, 2012
		Ron Penney / David Vardy
		~ Making Best Use of the Lower Churchill (David Vardy Paper Aug 31, 2012)
		~ Ron Penney/David Vardy Supplemental Filing Feb 29, 2012
		<u>Carter</u> Danny Dumaresque
		Danny Dumaresque Speaker Notes
		Danny Danaresque Speaker Notes

Muskrat Falls Hearing Presentations	<u>NOIA</u>
Muskiat rails flearing Flesentations	<u>Carey</u>
	Gordon Ralph
	<u>Jack Swinimer</u>
	Philip Raphals for Grand Riverkeeper Labrador Inc.: Exhibit GRK # 1: Philip Raphals Presentation
	Exhibit GRK # 2: Philip Raphals CV
	Exhibit GRK # 3: CA-KPL-Nalcor-27 Rev. 1 Updated by P.Raphals
	Exhibit # 4: Marbek CDM Report Jan 2008
	Exhibit # 5: Electricity Regulations in the US: A Guide ~ March 2011
	Exhibit # 6: World Oil Prices, Projected vs. Actual
	Exhibit # 7: RFP Energy Innovation Roadmap Dec 2011