Page 1 of 2

1	Q.	Volume II, Exhibit 11: Depreciation Study
2		Please provide all studies and any other relevant materials that were used by
3		Concentric Advisors to arrive at the estimates of Net Salvage Percentage in the
4		2015 Depreciation Study. (Volume II (1st Revision), Exhibit 11: Depreciation Study,
5		Pages 49-52 of 628, Table 1B)
6		
7		
8	Α.	This response has been provided by Concentric Advisors (Concentric).
9		
10		Please refer to NP-NLH-145, Attachment 1, which is a summary of discussions held
11		in St. John's, Newfoundland on April 12-14, 2016. Also, please refer to NP-NLH-145,
12		Attachment 2, which provides peer net salvage comparators. As stated in the
13		Concentric Depreciation Study Report, Page I-6 the procedure for estimating cost of
14		removal to a large extent relied upon the approved cost of removal parameters for
15		Newfoundland Power's (NFP) 2015 depreciation study. This study was prepared by
16		Gannett Fleming in September 2015. It is Concentric's view that this study was
17		reviewed by Newfoundland and Labrador Board of Commissioners of Public
18		Utilities. NFP's cost of removal percentages reflect their different cost of removal
19		accounting policy and should be higher percentages than what would be expected
20		for Hydro. Hydro did not have actual cost of removal by fixed asset account
21		however they were able to supply total corporate cost of removal for the period of
22		2012 to 2015 which equated to approximately -10% of the same period actual
23		retirements. Concentric viewed that its account cost of removal recommendations
24		in total should also approximate the above total corporate -10% cost of removal. A
25		global reduction was selected that resulted in Concentric's cost of removal
26		recommendations which in total approximate Hydro's 2012 to 2015 actual cost of
27		removal of-10%. Concentric viewed this reduction to properly reflect the differing

Page 2 of 2

1	accounting policies related to cost of removal between Hydro and Newfoundland
2	Power as described in the Depreciation study on page I-6 to I-7. Concentric views
3	that the application of its recommended account cost of removal rates are
4	appropriate on a total corporate basis. There may be some accounts with higher
5	actual removal costs and others with lower actual removal costs. As Hydro gains
6	more actual removal experience by account, Concentric will review the actuals and
7	evaluate if different cost of removal estimates are warranted.

HYDRO MANAGEMENT REVIEW

April 12-14, St. John's Newfoundland

April 12, 2016

- Policy Papers
 - o ELG/ALG
 - Hydro is currently using ALG on a unit basis
 - NFLD Power uses ELG since 1990's
 - Was phased in on a prospective basis then in late 1990's incorporated to all vintages.
 - o Net Salvage
 - NFLD Power incorporates net salvage in its depreciation rates.
 - Accumulated Depreciation True Up
 - For the first ELG group depreciation study there will be no true-up of the accumulated depreciation reserve.
 - Next GRA the true-up will begin.
- Strategy on Depreciation Study
- Dams
 - Active condition assessment program
 - Routine surveillance
 - Inspections
 - Engineer assessment on annual basis. High classification dams have engineering assessment twice annually.
 - Independent external assessment every year
 - Dam safety review (started in 2007)
 - Stability
 - Emergency preparedness
 - Design checks/intent
 - Dam classification
 - No underground assessment done
 - No large capital programs upcoming, just typical capital expenditures
 - Mostly Embankment dams, fewer concrete dams
 - Water containment via earthern dams
 - Hydraulic structures, concrete dams/spillways etc. to pass water
 - Power canals convey water to intakes
 - Embankment Structures
 - More capital maintenance
 - More susceptible to erosion
 - Remote locations cause more costs due to access

- Roads also serve for general public, hunters, etc.
- More new costs for public safety, risk assessment for public use of dams include buoys, booms, signage, fencing, etc
- No new large capital programs
- Standard maintenance
- Section of Power canal failed in 1982. Since then diving inspections annually to check the liner in the canal;.
- No decommissioning or rebuilds of dams
- No large capital programs; just usual capital maintenance and public safety work
- o Inspections survey monuments to measure movement
 - Rip rap augmentation retirements are processed for loss of materials.
- o Downstream of concrete dams/spillways
 - Flip buckets usually downstream
 - Erosion of concrete
 - No major issues.
- Concrete dams 2
 - No major upcoming work.
- Feasibility to remove/decommission a dam
 - Could be a risk (environment, fisheries) to leave a bad condition dam
- o End of life
 - Not hearing that there is an end of life. Will be a structure there. No anticipated replacement required for aging dams, just maintenance and capital work as required
 - Oldest dam for Hydro generation is 1956 was a mining dam
- General agreement that 110 years is reasonable at this point in time.
- Earthquake design criteria
 - Calculated as per CDA Guidelines but generally No concerns.
- o Gates
 - All but one of concrete dams have gates
 - Used for spillway and control
 - Primarily steel gates
 - Some wooden stop logs, mostly steel stop logs
 - Annual inspections
 - Corrosion
 - Seals
 - Leakage
 - rollers
 - Constant maintenance to maintain rather than replacement
 - 80 year life
 - Planned regular maintenance
 - Longer than most other hydro
 - Gate Inspection
- o Remove dams
 - Removal costs vs rebuild dams

- No removal experience
- Issue with leaving dam or decommissioning
- Powerhouse separate structure
- Spillway structure concrete (same as gates above)
 - Concrete and rock interface
 - Should be same life as dams.
- Exploits Assets
 - Hydro Electric and Substations Dave Hicks
 - o Powerhouse
 - Rewind of generator
 - First one in 40 years.
 - Breaker transformer are capital activity
 - Magnitude of overhaul before it is capital
 - Circuit Breakers 46 Airblast Breakers to be replaced by SF6 breakers over next 5 years.
- Substations
 - o Breakers C09
 - Some oil breakers
 - Some PCB breakers to be removed over next few years
 - GIS good experience, little maintenance
 - o Transformers T05
 - 6 Bay d'Espoir (old transformers)
 - o Protection Systems P12
 - New protection systems may not work will with old transformers.
 - No retirements
- Poles and Conductors
 - Steel Poles few thousand
 - Hard to climb in remote areas
 - o Towers
 - No salt water issues
 - Tower painting program to extend life
 - V Tower is back bone tower
 - Some hybrid wood and steel towers
 - Less issues with land rights and population
 - Distribution <= 25kV
 - Transmission 45kv, 69kv, 138kv, 230kv
 - 45kv sub-transmission but considered D
 - In Labrador
- Conductor

0

- o No main issues
- Small communities are converting to electrical power sources so need to upgrade conductor size
 - Long term plan to convert
 - Mainly bare but some coated
 - Some issues with coated with cracking and then moisture issues

- Conductor has generally longer life than poles.
- Conductor will deteriorate with age
 - Corrosion with core.
- o Thermal scans to detect corrosion issues (fly by with helicopters)
- o No salt water issues
- o Similar peer lives
- Insulators
 - o Porcelain and glass used
 - Older system was more porcelain
 - Newer are 50%/50% porcelain/glass
 - Have not used much new technology in insulators
 - o Labrador
 - Less salt, drier and less wind
 - o Some issues with people and target practice on insulators
 - Slightly shorter lives than non-costal areas.
 - o C13 Transmission
 - 60 year ASL makes sense and R3 makes sense considering all causes of retirements
 - C14 Distribution
 - o Good Accounting with additions and retirements apparent.
- O/H Transformers T05
 - o Transformers are monitored
 - o Intuitive sense for increased life (55-R3)
- Distribution
 - Comparison to NFLD Power (urban area)
 - o Rural NALCOR may be longer due to less urban moves
- Pad Mounted
 - Probably more Transmission
- P04/P05
 - o P04 Guy wires, anchors, clamp, cross arms
 - o Good relationship between P04 and P05
 - Good mixtures of T (shorter) and D (longer) poles
 - o Water areas have untreated poles due to environment issues
 - Salt no much effect on lives
 - Cold poles are frozen a lot of the time and climate is dryer in NFLD.
 - o Treatment in non-water areas is boron rods
 - \circ $\;$ First inspection is after 20 years and treatment and then 10 years after that
- P05 Transmission
- P07 Distribution
 - Shorter than industry average
 - o Paul indicated life is too short
 - Longer life and lower mode.
 - Took over old assets (1980's)
 - Labrador City Ireland Company
- Remove Line

- No hot line work
- o Build new line next to old and then transfer conductor
- Unit costs to remove poles for COR costs.
- Gas Turbines
 - o Isolated Generation is diesel only except Ramea which has some wind
 - Gas Turbines 4 in system
 - Stand by and peaking/emergency
 - Support outages
 - Feed to substation then to Distribution
 - 2 gas turbines to feed 1 alternator Hardwood and Stephenville plants
 - Same gas turbine as Concorde Rolls Royce
 - 1992 Pratt Whitney (25 MW) Happy Valley unit
 - 2015 should have G03 (\$31M addition) Holyrood gas turbine
 - Little historical use existing units
 - Higher usage could come from more base load
 - Start ups or lots of hours cause wear and tear
 - Fuel is diesel not natural gas
 - Brought in by trucks
 - Could be considerable contamination to clean up at older sites HWD, SVL
 - COR or ARO?
- Diesel
 - o 3 different sizes for various load profiles and redundancy is typical
 - If marine delivery then needs lots of fuel tanks(storage) due to winter freeze up and no accessibility for deliveries
 - o Combination generators and alternators gensets
 - 20-25 year life seems reasonable.
 - o Environmental clean up issues at end of life, particularly for older plants
- IT
- 4 years for laptops
- o 5 years desktops/ servers (virtual) could be 6-7 years
- 6 years for peripheral's/Printer
- o < \$1000 is expensed</p>
- Microsoft Enterprise (agreement to download software)
 - 3 years
- o Software
 - 7 years
 - Microsoft usually a drop dead limit of 10 years
 - Usually get out a few years prior to the 10 year deadline
 - JD Edwards Business Enterprise System 1

DESCRIPTION	Client: Study date:	ATCO ELECTRIC 2014*	ALTALINK LP 2014	BC HYDRO 2005	ENMAX POWER CORPORATION 2012**	FORTIS ALBERTA, INC. 2010
WIND TURBINES						
WIND TURBINES RESIDUAL HEATING SYSTEMS						
HYDRO PRODUCTION						
LAND AND LAND RIGHTS STRUCTURES AND IMPROVEMENTS RESERVOIRS, DAMS, AND WATERWAYS WATER WHEELS, TURBINES, AND GENERATORS ACESSORY ELECTRICAL EQUIPMENT ROADS, RAILROADS AND BRIDGES CANALS, PENSTOCKS, SURGE TANKS AND TAILRACES OTHER POWER PLANT EQUIPMENT		75 - R2 100 - R3 75 - R3 45 - R3 25 - R1.5		60 - R2 100 - R4 50 - R3		
OTHER PRODUCTION						
STRUCTURES AND IMPROVEMENTS ELECTRICAL PLANT PRIME MOVERS, GENERATORS AND AUXILIARIES PRIME MOVERS GENERATORS FUEL HOLDERS ACCESSORY ELECTRICAL EQUIPMENT OTHER PRODUCTION PLANT				30 - R2		
TRANSMISSION PLANT						
LAND AND LAND RIGHTS SUBSTATION STRUCTURES AND IMPROVEMENTS BUILDINGS SITE DEVELOPMENT SUBSTATION EQUIPMENT TRANSFORMERS AND REGULATORS RELAYING AND PROTECTION EQUIPMENT		73 - R4 53 - R3	56 - R4 50 - R2.5 47 - R2	40 - R3	60 - R3 50 - R3 50 - R3 45 - R3 45 - R3 45 - R3	
MISCELLANEOUS TELECONTROL SYSTEM TELECONTROL LINKS SUPERVISORY EQUIPMENT FIBER OPTIC CABLE SYSTEM COMMUNICATION SCADA			25 - L1.5		15 - R1 10 - L1	
ROADS AND TRAILS LAND RIGHTS POLES, TOWERS AND FIXTURES WOOD		55 - R3			60 - R3	
STEEL INSULATORS TOWERS AND FIXTURES POLES AND FIXTURES			53 - R1.5 50 - R2.5		50 - R4 37 - S0	
OVERHEAD CONDUCTOR POLES TOWERS UNDERGROUND CONDUIT		60 - R4 60 - R4	65 - R4	45 - R1	47 - R3 47 - R3	
MANHOLES UNDERGROUND CONDUCTOR UNDERGROUND CABLE LPOF UNDERGROUND CABLE HPOF UNDERGROUND CABLE SOLID DIELECTRIC			50 - R5		50 - R4 47 - R3 47 - R3 40 - R3	

FORTIS BC INC. 2014	MANITOBA HYDRO 2014	NB POWER 2014	NEWFOUNDL AND POWER INC. 2014	NWT POWER CORP. 2011	QULLIQ ENERGY CORPORATI ON 2008	SASK POWER 2009	YUKON ELECTRICAL COMPANY LIMITED 2011
				5 - SQ 25 - R2	40 - R3 25 - R2		
75 - R4 68 - S2.5 70 - R2.5 70 - R2.5 50 - R1.5 75 - S4 51 - R4	125 - R4 60 - S3 55 - R4 50 - R3	75 - R2.5 75 - R2.5 70 - S0.5 50 - R2.5 60 - R3 60 - L3	75-R2.575-R2.570-S0.570-R235-S060-R360-L350-R2.5	100 - R3 100 - R3 65 - L1.5 31 - L2.5 75 - R4 15 - L1			75 - R2 103 - R3 85 - R3 45 - R3 30 - R2
		60 - S0 70 - L0 55 - L1 55 - L1	60 - S0 70 - L0 55 - L1 SQUARE	30 - S2.5 20 - R3 28 - R4 30 - L4	35 - R2.5 25 - R1.5 27 - R2.5 20 - R2		40 - R2.5 26 - S2.5 35 - R4
40 - R4		SQUARE	SQUARE	30 - L4 21 - L4 19 - R4	20 - R2 25 - R2 20 - R3		35 - R4 35 - R3 40 - R3
75 - R4	65 - R4	50 - R2.5	65 - R4 50 - R2.5	65 - SQ 40 - R3		45 45 40	
50 - R4	50 - R1.5	50 - R1	50 - R1	31 - L1.5		50 20 35	50 - R4
40 - R3	50 - S2.5	65 - R4		40 - R2		50	
50 - R1.5			52 - SO.5				
50 - R3	85 - R4 55 - R3 80 - R4	31 - S1 52 - S0.5 57 - R3	31 - S1 57 - R3	65 - R4 45 - R3 60 - R4		50 40	
				25 - R3			
	45 - R3	50 - R4	50 - R4	25 - R3		40	

									NEWFOUNDL		QULLIQ ENERGY		YUKON ELECTRICAL
	Client: ATCO ELECTRIC Study date: 2014*	ALTALINK LP 2014	BC HYDRO 2005	ENMAX POWER CORPORATION 2012**	FORTIS ALBERTA, INC. 2010	FORTIS BC INC. 2014	MANITOBA HYDRO 2014	NB POWER 2014	AND POWER INC. 2014	NWT POWER CORP. 2011	CORPORATI ON 2008	SASK POWER 2009	COMPANY LIMITED 2011
DESCRIPTION DISTRIBUTION PLANT													
	75 - R3					75 - R4			65 - R4			25	75 - R3
LAND AND LAND RIGHTS SUBSTATION STRUCTURES AND IMPROVEMENTS	40 - R2.5			60 - R3	36 - L3 25 - L1	75 - K4			OS - K4	40 - R1.5	40 - R2	35 40	75 - K3
BUILDINGS SITE DEVELOPMENT				65 - R4 50 - R4	40 - R1.5							40 40	
STORAGE BATTERY EQUIPMENT POLES, TOWERS AND FIXTURES	45 - R2.5				45 - R1.5	50 - R2.5	65 - S0.5			45 - R3	15 - R3 38 - R3		40 - R3
WOOD POLES OVERHEAD TRANSFORMERS				50 - R1.5 50 - SQ				53 - R1	53 - R1				
INSULATORS				60 - SQ									
CONCRETE AND STEEL STEEL TOWERS							60 - R3	44 - R2.5 50 - R3	44 - R2.5 50 - R3				
OVERHEAD CONDUCTOR PRIMARY CONDUCTOR	55 - R2.5			50 - R1.5	45 - R1	49 - R3	60 - R1.5	57 - R2.5		45 - R4	40 - R3	35	45 - R4
SECONDARY CONDUCTOR FAULT INDICATORS				60 - R3 65 - R2									
SWITCHES				55 - R2									
BARE COPPER WEATHER-PROOF COPPER									53 - R1.5 49 - R2.5				
BARE ALUMINUM WEATHER-PROOF ALUMINUM									57 - R2.5 36 - R1.5				
AERIAL CABLE DUPLEX, TRIPLEX, AND QUADRUPLEX									29 - R1 49 - R2				
UNDERGROUND CONDUIT	55 - R4			40 - SQ				47-65 - R4	+9 N2	45 - R4	25 - R3		45 - R3
TRANSOFRMER PADS PULL BOXES				65 - SQ 55 - SQ									
MANHOLES UNDERGROUND CONDUCTOR				60 - SQ	58 - R2			47 - R4	65 - R4 47 - R4	25 - R3	25 - R3	35	
PRIMARY CABLE SECONDARY CABLE				45 - R3 45 - R3			60 - R3 44 - S3						
SWITCHES SPECIAL INSULATED COPPER CABLE				32 - R3					40 - R3 29 - R1				
SUBTATION EQUIPMENT	50 - R3				27 - R0.5	50 - R3		40 - S1		35 - S3	35 - S3		50 - R4
LINE TRANSFORMERS TRANSFORMERS - OVERHEAD	40 - R2.5		35 - R2	50 - R3		45 - R4			40 - S1	40 - S3	35 - R2		45 - R3
TRANSFORMERS - PADMOUNT TRANSFORMERS - MINIPAD				50 - R3 55 - SQ									
TRANSFORMERS - SUBSTATIONS SWITCHGEAR				45 - SQ 35 - SQ								50 40	
STRUCTURES				35 - SQ									
PROTECTION SCADA				35 - SQ	10 - R2								
AMR AMR - SKID INFRASTRUCTURE					15 - R1.5 25 - R1.5								
VOLTAGE REGULATORS CAPACITOR BANKS									40 - S1 40 - S1				
RECLOSERS CAPACITORS AND REGULATORS									40 - S1				
STREET LIGHTING AND SIGNAL SYSTEMS	43 - R4				20 - R1	27 - L2		20 - R0.5	20 - R0.5	45 - R4	35 - S1.5	30	30 - R3
SENTINEL LIGHTS TELECONTROL LINKS	31 - R1			35 - SQ									23 - R2
SUPERVISORY EQUIPMENT STREET LIGHT POLES			40 - R3	15 - SQ	45 - R1.5							35	
SERVICES OVERHEAD	50 - R4					75 - R4			49 - R2	55 - R4	40 - R3	35	45 - R3
UNDERGROUND METERS	50 - R3 20 - R1.5		25 - R2	25 - SQ		20 - R1			45 - R4	20 - R3	25 - S2	35	40 - R4
AMI			2J - NZ	23 - 34		20 - RI 20 - SQ	15 - L3			20 - NO	23 - 32	15	
AMR WATT-HOUR	15 - R2.5				15 - RO.5		15 - L3 26 - L1.5	18 - S1	18 - S1				15 - R2.5
DEMAND INSTRUMENT TRANSFORMERS								18 - S1 36 - R2.5	18 - S1 36 - R2.5			15	
METERING TANKS INSTALLATIONS ON CUSTOMER PREMISES						20 - R1		36 - R2.5	36 - R2.5	20 - R3	25 - S2		
						111				20 110			

	Client: Study date:	ATCO ELECTRIC 2014*	ALTALINK LP 2014	BC HYDRO 2005	ENMAX POWER CORPORATION 2012**	FORTIS ALBERTA, INC. 2010
DESCRIPTION						
GENERAL PLANT						
		40 - R2.5	45 - R2		100 - R1	
LEASEHOLD IMPROVEMENTS HOUSES		12 - LO			5 - SQ	
FRAME AND IRON MASONRY GENERAL SCADA BUILDINGS LARGE						
SMALL						
OFFICE FURNITURE AND EQUIPMENT COMPUTERS FURNITURE EQUIPMENT		15 - SQ	15 - SQ		20 - SQ	15 - SQ
COMPUTER HARDWARE			5 - SQ			
TRANSPORTATION EQUIPMENT CATEGORY 1		8 - L1.5	8 - L2.5		13 - L3	
CATEGORY 2		9 - L2				
CATEGORY 3		18 - SQ				
CATEGORY 4		10 - L3				
FLEET VEHICLES CORPORATE VEHICLES						5 - L1 3 - SQ
OTHER						14 - S4
CARS				8 - L2.5		
LIGHT TRUCKS				8 - L2.5		
				13 R1.5 13 R1.5		
HEAVY TRUCKS TRAILERS				13 R1.5 20 - R1.5		
HEAVY EQUIPMENT						
SNOWMOBILES AND ATV'S				20 - R3		
STORES EQUIPMENT			10 50		20.00	10 00
TOOLS AND WORK EQUIPMENT METER READERS		7 - SQ	10 - SQ		20 - SQ	10 - SQ
LABORATORY EQUIPMENT						
HEAVY WORK EQUIPMENT						
POWER OPERATED EQUIPMENT			25 - L2			
COMMUNICATION STRUCTURES AND EQUIPMENT		25 - R2			15 - SQ	
RADIOS MOBILE					15 - 30	7 - SQ
BASE STATIONS						
RADIO SITES - ROADS						
RADIO SITES - BUILDINGS COMMUNICATION CABLES						
SCADA						
TELEPHONE				20 - R2		
POWER LINE CARRIER						
TEST EQUIPMENT COMPUTER SYSTEMS						3 - SQ
SOFTWARE		5 - SQ	5 - SQ		5 - SQ	5 - SQ
HARDWARE		5 - SQ	5 - SQ		5 - SQ	5 - R4
ENTERPRISE SOFTWARE		7 - SQ			10 - SQ	
INFORMATION SYSTEMS						10 04
SAP MAJOR APPLICATIONS		3 - SQ				10 - R4 5 - R4
LOAD SETLLEMENT SOFTWARE						5 - R4
MISCELLANEOUS EQUIPMENT						
ENVIRONMENT						
ENGINEERING OTHER TANGIBLE PLANT						

FORTIS BC INC. 2014	MANITOBA HYDRO 2014	NB POWER 2014	NEWFOUNDL AND POWER INC. 2014	NWT POWER CORP. 2011	QULLIQ ENERGY CORPORATI ON 2008	SASK POWER 2009	YUKON ELECTRICAL COMPANY LIMITED 2011
		70 - R1			45 - R3		40 - L3
51 - S1.5 41 - S3							40 - R3
40 - R4		37 SO	70 - R1 37 - SO	100 - R2 15 - L3			
15 - SQ	5 - SQ 20 - SQ 20 - SQ	25 - SQ	25 - SQ	5 - SQ 15 - SQ	5 - SQ	15 10	15 - SQ
13 - L2.5				7 - S1	12 - L1.5		12 - LO
10 - L1 15 - L3	11 - S2 12 - L4 19 - L4 35 - S1 23 - R2.5	6 - R4 11 - R3	15 - L1.5 6 - R4 6 - R4 11 - R3 11 - R3			7 12 12 20 25	
15 - SQ	15 - SQ	25 - SQ	25 - SQ	25 - R3 15 - SQ	25 - R3 15 - SQ	10 8	15 - SQ
15 - SQ	8 - SQ 8 - SQ	25 - SQ 15 - SQ 15 - SQ	25 - SQ 15 - SQ 15 - SQ	25 - SQ 27 - S1.5 20 - R3	20 - SQ 20 - L1 25 - R3		15 - SQ
	35 - R2.5 15 - S1.5	30 - R4 30 - R4 25 - R3 15 - L2 10 - L2.5	30 - R4 30 - R4 25 - R3 15 - L2 10 - L2.5 15 - SQ 15 - R3				
8 - SQ 5 - SQ	10 - SQ 5 - SQ	10 - SQ 5 - SQ	10 - SQ 5 - SQ	5 - SQ 5 - SQ		5 4	5 - SQ

15 - SQ 15 - SQ 15 - SQ 15 - SQ 25 - SQ 20 - SQ

DESCRIPTION	Client: Study date:	ATCO ELECTRIC 2014*	ALTALINK LP 2014	BC HYDRO 2005	ENMAX POWER CORPORATION 2012**	FORTIS ALBERTA, INC. 2010
NETWORK ASSETS						
POLES, TOWERS AND FIXTURES WOOD OVERHEAD CONDUCTOR					50 - SQ	
PRIMARY CONDUCTOR SECONDARY CONDUCTOR					50 - SQ 60 - SQ	
UNDERGROUND CONDUIT TRANSFORMER PADS					40 - SQ 55 - SQ	
PULL BOXES VAULTS					60 - SQ 60 - SQ	
MANHOLES UNDERGROUND CONDUCTOR					60 - SQ	
PRIMARY CABLE SECONDARY CABLE					30 - SQ 40 - SQ	
SWITCHES TRANSFORMERS					40 - SQ	
OVERHEAD UNDERGROUND					45 - SQ 45 - SQ	
PADMOUNT SWITCHGEAR					45 - SQ 45 - SQ	
TELECONTROL SYSTEM TELECONTROL LINKS					45 - SQ	
SUPERVISORY EQUIPMENT					45 - SQ	

* Pending Application

** Compliance Filing

					QULLIQ		YUKON
			NEWFOUNDL		ENERGY		ELECTRICAL
FORTIS	MANITOBA		AND POWER	NWT POWER	CORPORATI	SASK	COMPANY
BC INC.	HYDRO	NB POWER	INC.	CORP.	ON	POWER	LIMITED
2014	2014	2014	2014	2011	2008	2009	2011