

1 Q. **Specifically Assigned Charges**

2 (a) With respect to forecast 2018 and 2019 Specifically Assigned Charges,
3 provide a breakdown of the component parts of each of those forecast Specifically
4 Assigned Charges for each of the Industrial Customers and identify any Specifically
5 Assigned Charges proposed to be included or excluded in 2018 and/or 2019
6 Specifically Assigned Charges which have/have not been charged in previous years
7 and the dollar amount of and rationale for each proposed change.

8 (b) Reference: Volume I, Chapter 5, pages 5.25-5.26, Tables 5-5 and 5-6
9 With respect to specifically assigned charges, please provide a complete listing of all
10 asset/asset grouping included in the category of specifically assigned assets for each
11 of the industrial customers and for NP, and indicate the rationale, rose and
12 justification for the assets being included as a specifically assigned asset.

13 (c) For each specifically assigned macro asset, identify all projects undertaken
14 on that specifically assigned macro asset, by year, since the last GRA, including the
15 capital cost of each project.

16

17 A. (a) Please refer to Table 1 for the breakdown of the component parts of the
18 2018 and 2019 Specifically Assigned Charges for each of the Industrial
19 Customers.

Table 1 Specifically Assigned Charges (\$)

	CBPP	NARL	Teck	Vale	Total
2018TY Components ¹					
Operating and Maintenance	129,757	57,136	48,603	99,973	335,469
Depreciation	189,214	53,409	2,712	30,783	276,118
Return on Debt	299,424	52,511	0	25,522	377,457
Return on Equity	113,813	19,960	0	9,701	143,473
Other	465	34	(142)	(204)	152
Total Annual Amounts	732,673	183,050	51,173	165,774	1,132,670
2019TY Components ²					
Operating and Maintenance	141,188	59,342	48,978	101,508	351,015
Depreciation	244,143	55,129	2,723	32,454	334,449
Return on Debt	338,434	56,153	0	25,922	420,509
Return on Equity	137,454	22,807	0	10,528	170,789
Other	691	66	(135)	(179)	443
Total Annual Amounts	861,911	193,496	51,566	170,233	1,277,206

1 The Specifically Assigned Charges for 2018 and 2019 include new Specifically
 2 Assigned Assets not reflected in the charges in previous years. Table 2 provides the
 3 capital additions for the period 2016 to 2019 that were not reflected in the
 4 establishment of existing rates based on the 2015 Test Year.

Table 2
Specifically Assigned Asset Additions (\$)

Year	Customer	Asset Name	Capital Cost
2016	CBPP	CBFCS, 50 HZ, EXCITER O/H	23,445
2016	CBPP	CBFCS,60 HZ, EXCITER O/H	23,445
2016	CBPP	SF6 BREAKER 152T CBFTS	511,088
2018	CBPP	Upgrade Frequency Converter - CBFC	2,943,800
2016	NARL	BUSHING H1,T1,CBC TS	101,740
2016	NARL	BUSHING H1,T2,CBC TS	16,562
2016	NARL	BUSHING H2,T1,CBC TS	101,740
2016	NARL	BUSHING H2,T2,CBC TS	16,562
2016	NARL	BUSHING H3,T1,CBC TS	101,740
2016	NARL	BUSHING H3,T2,CBC TS	16,562
2016	NARL	TRF Upgrade T1, CBC TS (2015)	304,036
2016	NARL	TRF Upgrade T2, CBC TS (2015)	49,687
2017	NARL	Install Frequency Monitors - Various Sites	78,950
2018	NARL	Replace Instrument Transformers - Various Sites	42,070
2019	NARL	Upgrade Circuit Breakers - 2019	299,664
2016	Vale	Trans T1,Insp./Oil Process, VBN	345,511
2018	Vale	Upgrade Power Transformers - Various Sites	3,480

5 (b) The Specifically Assigned transmission assets are included as Specifically
 6 Assigned Assets, as opposed to common, as they serve to benefit a single
 7 customer.

1 IC-NLH-103, Attachment 1 provides the complete listing of specifically
2 assigned macro assets and individual projects for Island Industrial
3 Customers, by year and including the capital cost. Attachment 1 has been
4 modified to reflect the change in functionalization of \$26,413 from
5 specifically assigned for Vale to common.
6

7 IC-NLH-103, Attachment 2 provides the complete listing of specifically
8 assigned macro assets and individual projects for Newfoundland Power, by
9 year and including the capital cost. Attachment 2 has been modified to
10 reflect the change in functionalization of \$212,382 from specifically assigned
11 for Newfoundland Power to common.
12

13 To ensure the accuracy of the Specifically Assigned Charges for 2018 and
14 2019, Hydro is currently undertaking a full review of these asset listings and
15 will provide an update on its findings in advance of the 2017 GRA hearing.
16

17 c) Please refer to item (b).

Newfoundland and Labrador Hydro
2019 Test Year Specifically Assigned Assets Details - Island Industrial Customers (\$)

Customer	In-Service Date	Function	Macro Asset	Asset Name	Capital Cost				
Teck Resources	12/19/2005	Terminal Stations	BUC Term Stn, Buchans	CONTROL CABLE, TL264, BUC TS	11,566				
				DISCONNECT, B2L64-1, BUC TS	12,238				
				DISCONNECT, B2L64-2, BUC TS	22,328				
				TL264 PROTECTION, BUC TS	67,629				
				DPD Term Stn, Duck Pond	BUS WORK, DPD TS	6,333			
					GROUNDING, DPD TS	7,407			
					POWER & CONTROL CABLE, DPD TS	15,351			
					STATION INSULATORS, DPDTS	4,187			
					WOOD SUPPORT STRUCT, DPD TS	15,349			
					DISCONNECT, L64T1, DPD TS	37,894			
	12/21/2005	Terminal Stations	DPD Term Stn, Duck Pond	T1AG, DPD TS	14,814				
				TRANSFORMER T1 PROTECTION	89,635				
				TRANSFORMER, T1 DPD TS	487,893				
				HV ARRESTERS T1, DPD TS	15,565				
	1/4/2006	Terminal Stations	DPD Term Stn, Duck Pond	LV ARRESTERS T1, DPD TS	7,622				
				NEUTRAL GROUND RESISTOR	15,887				
	1/20/2006	Terminal Stations Transmission	BUC Term Stn, Buchans BIF TL 264, BUC to DPD	BREAKER, B2L64, BUC TS	78,256				
				266.8 ACSR aluminum cond.	705,521				
				40 ft wood poles	930,734				
				45 ft wood poles	607,657				
				50 ft wood poles	173,339				
				55ft wood poles	69,729				
				60ft wood poles	72,447				
				65ft wood poles	41,085				
				aircraft warning markers.	78,390				
				post type insulators	543,289				
				Right of Ways	863,709				
				suspension insulators	154,002				
				Type D Structures	294,460				
				Teck Resources Total					5,444,315
				Corner Brook Pulp and Paper	6/12/1967	Terminal Stations	CBF Freq. Converter Stn.	DISCONNECT,29MB,CBF CS	1,500
					10/15/1968	Terminal Stations	CBF Term Stn, Freq. Conv..	HV ARRESTORS T1,CBF TS	-
	1/1/1977	Terminal Stations	CBF Freq. Converter Stn.		50 CY, NEUT. GND. TRF, CBF CS	10,874			
					50 CYCLE CONVERTER GEN,CBF CS	354,355			
					50/60 VOLTAGE REGULATORS,CBFCS	18,288			
					60 CYCLE CONVERTER GEN,CBF CS	354,355			
					BREAKER,152,CBF CS	2,236			
					BREAKER,252,CBF CS	2,238			
					BREAKER,52M,CBF CS	2,236			
					DISCONNECT,129SP,CBF CS	1,500			
				DISCONNECT,229SP,CBF CS	1,500				
				DISCONNECT,29AT,CBF CS	1,500				
				DISCONNECT,29MA,CBF CS	1,500				
				GROUND,129G,CBF CS	3,262				
				GROUND,229G,CBF CS	3,262				
				LIQUID RHEOSTAT,CBF CS	19,747				
				STARTING MOTOR,CBF CS	2,000				
			CBF Term Stn, Freq. Conv..	BUILDING - (CONCRETE) - RENOVA	85,581				
				CABLES TRAYS AND CONDUIT	6,976				
				CONTROL CABLES	41,517				
				CONTROL, METERING AND RELAYING	65,065				
				FIRE FIGHTING EQUIPMENT - BLDG	21,830				
				FIRE PROTECTION SYSTEM	5,286				
				FOUNDATION (CONCRETE) FOR EQUI	69,903				
				POWER TRANSFORMER - (200KVA PW	23,066				
				POWER TRANSFORMER - (37.5KV ST	13,840				
				RESISTORS - (3.5 OHM RESISTOR	7,610				
				RESISTORS - (3.87 OHM RESISTOR	7,610				
				Retired	-				
				REV METERING EQUIPMENT - (LIN	2,456				
				REV METERING EQUIPMENT - (LINE	1,228				
				STRUCTURAL SUPPORT - (STEEL)	69,585				
				SWITCHING - H.V. (BUSWORK AND	125,112				
				TRANSFORMER T2,CBFTS	51,760				
		TS Ancillary	CBF Freq. Converter Stn.	MAIN EXCITER 60 CYCLE,CBF CS	33,823				
				PILOT EXCITER,CBF CS	2,092				
	1/16/1982	TS Ancillary	CBF Freq. Converter Stn.	MAIN EXCITER,50 CYCLE,CBF CS	-				

Newfoundland and Labrador Hydro
2019 Test Year Specifically Assigned Assets Details - Island Industrial Customers (\$)

Customer	In-Service Date	Function	Macro Asset	Asset Name	Capital Cost
	11/30/1985	Terminal Stations	CBF Term Stn, Freq. Conv..	CONTROL, METERING AND RELAYING	7,833
	7/23/1986	Terminal Stations	CBF Term Stn, Freq. Conv..	FIRE PROTECTION SYSTEM - BLDG	18,968
	8/31/1987	Terminal Stations	BFD Brookfield Repeater	REV METERING EQUIP - (FIBERGL	2,661
			PAS PASADENA SUBSTATION	REV METERING EQUIP - (FIBERGLA	2,661
	9/12/1987	Terminal Stations	CBF Term Stn, Freq. Conv..	CONTROL, METERING AND RELAYING	19,765
	3/9/1988	Terminal Stations	BFD Brookfield Repeater	REV METERING EQUIP - (SANGAMO	2,522
			MDR Term Stn, Massey Drive	REV METERING EQUIP - (SANGAMO	2,522
			PAS PASADENA SUBSTATION	REV METERING EQUIP - (SANGAMO	2,522
	12/15/2001	Terminal Stations	CBF Freq. Converter Stn.	COMPRESSOR 1 ,CBF CS	9,010
	8/8/2002	Terminal Stations	CBF Term Stn, Freq. Conv..	POWER TRANSFORMER - (69KV PWR	442,336
	12/31/2003	Terminal Stations	CBF Term Stn, Freq. Conv..	Meter, Multifunction	31,931
	6/1/2006	General Plant	CBF Freq. Converter Stn.	VHF BASE STATION RADIO	13,190
	8/4/2006	General Plant	CBF Freq. Converter Stn.	Telular Phonecell CDMA	1,311
	12/11/2006	Terminal Stations	CBF Freq. Converter Stn.	BATTERY CHARGER, CBF CS	7,657
	7/16/2007	Terminal Stations	CBF Term Stn, Freq. Conv..	FALL ARREST PROTECTION SYSTEM	9,878
				TRANSFORMER T1, CBFTS	920,764
	12/18/2007	Terminal Stations	CBF Freq. Converter Stn.	OIL WATER SEPARATOR, CBF CS	3,050
	12/19/2007	Terminal Stations	CBF Freq. Converter Stn.	50 Hz Assessment 2006	28,009
	12/20/2007	Terminal Stations	CBF Freq. Converter Stn.	60 Hz Assessment, 2006	28,009
				VENTILATION UPGRADE 2006	33,135
	12/31/2007	Terminal Stations	CBF Term Stn, Freq. Conv..	FALL ARREST PROTECTION SYSTEM	9,878
	12/19/2008	Terminal Stations	CBF Term Stn, Freq. Conv..	WALL BUSHING 129TA APH, CBF TS	6,923
				WALL BUSHING 129TA BPH, CBF TS	6,923
				WALL BUSHING 129TA CPH, CBF TS	6,923
				WALL BUSHING 229TB APH, CBF TS	6,923
				WALL BUSHING 229TB BPH, CBF TS	6,923
				WALL BUSHING 229TB CPH, CBF TS	6,923
	12/29/2008	Terminal Stations	CBF Freq. Converter Stn.	50 CY ROTOR REWIND, CBFC	350,925
				60 CY ROTOR REWIND, CBFC	727,922
				BEARING # 4, CBFC	85,254
				VENTILATION UPGRADE 2008 CBFC	616,592
			CBF Term Stn, Freq. Conv..	WALL BUSHING T1 A PH, CBF TS	22,757
				WALL BUSHING T1 B PH, CBF TS	22,757
				WALL BUSHING T1 C PH, CBF TS	22,757
				WALL BUSHING T2 A PH, CBF TS	22,757
				WALL BUSHING T2 B PH, CBF TS	22,757
				WALL BUSHING T2 C PH, CBF TS	22,757
	12/14/2009	General Plant	CBF Freq. Converter Stn.	PHONE BOOTH, CBF CS	24,167
		Terminal Stations	CBF Freq. Converter Stn.	AVR 50CY, CBF CS	70,079
				LIQUID RHEOSTAT, CBF CS	671,473
				SYNCHRONIZER, CBF CS	87,133
		TS Ancillary	CBF Freq. Converter Stn.	AVR 60 CY, CBF CS	70,090
	12/8/2010	Terminal Stations	CBF Freq. Converter Stn.	SWITCH UPGRADE, 129, CBF CS	52,769
	11/14/2011	Terminal Stations	CBF Freq. Converter Stn.	125 VDC BATTERIES, CBF CS	36,387
	8/23/2012	General Plant	CBF Freq. Converter Stn.	TOOL	7,500
	12/16/2013	Terminal Stations	CBF Freq. Converter Stn.	AIR DRYER 1, CBF CS	57,186
				AIR DRYER 2, CBF CS	57,186
				AIR RECEIVER, CBF CS	22,874
				COMP AIR SYSTEM UPGRADE (2013)	160,121
				COMPRESSOR 2, CBF CS	30,499
				Compressor Control Panel	22,874
				DEW POINT MONITOR, CBF CS	13,343
				Upgrade, Compressor 1 CBF CS	17,156
	12/1/2014	General Plant	CBF Freq. Converter Stn.	FSK DATA MODEM	3,345
	12/10/2014	General Plant	CBF Freq. Converter Stn.	RTU	56,859
	12/12/2014	Terminal Stations	CBF Freq. Converter Stn.	PRV, DRYERS 1	408
				PRV, DRYERS 2	408
				PRV, DRYERS 3	408
				PRV, MAIN	1,212
				PRV, DRYERS 4	408
	12/31/2014	Terminal Stations	CBC Term Stn, Come By Chance	BUSHING X2,T2 CBF TS	10,611
				BUSHING X3,T2 CBF TS	10,611
			CBF Freq. Converter Stn.	3500 Vibration Monitoring	304,915
			CBF Term Stn, Freq. Conv..	BUSHING X1,T2 CBF TS	10,611
				TRF Upgrade T2, CBF TS (2014)	172,012
	11/16/2015	Terminal Stations	CBF Term Stn, Freq. Conv..	BREAKER,152T,CBFTS	317,955
	10/28/2016	Terminal Stations	CBF Freq. Converter Stn.	CBFCS, 50 HZ, EXCITER O/H	23,445
				CBFCS,60 HZ, EXCITER O/H	23,445

Newfoundland and Labrador Hydro
2019 Test Year Specifically Assigned Assets Details - Island Industrial Customers (\$)

Customer	In-Service Date	Function	Macro Asset	Asset Name	Capital Cost
Corner Brook Pulp and Paper Total	12/1/2018	Terminal Stations	CBF Term Stn, Freq. Conv. CBF Freq. Converter Stn.	SF6 BREAKER 152T CBFTS	511,088
				Upgrade Frequency Converter - CBFC	2,943,800
					10,763,452
Deer Lake Power	1/1/1967	Terminal Stations	MDR Term Stn, Massey Drive	EXPORT METER, TYPE DSW-64 BY C	625
				IMPORT METER, TYPE DSW-64	625
	5/21/1983	Terminal Stations	DLK DEER LAKE POWER	REV METERING EQUIP - (SANGAMO	6,431
			MDR Term Stn, Massey Drive	REVENUE METERING EQUIPMENT	7,064
			PAS PASADENA SUBSTATION	REV METERING EQUIP - (SANGAMO	4,148
	9/19/1988	Terminal Stations	DLK DEER LAKE POWER	REVENUE METERING EQUIP - (SAN	896
Deer Lake Power Total					19,788
North Atlantic Refining Ltd.	1/1/1972	Terminal Stations	CBC Term Stn, Come By Chance	CABLE RACEWAY,CBC TS	12,861
				FENCE,CBC TS	65,739
				GROUND,B1AG,CBC TS	6,780
				GROUND,B2AG,CBC TS	6,780
				SEWAGE SYSTEM, CBC TS	1,044
	1/1/1974	Terminal Stations	CBC Term Stn, Come By Chance	AIR RECEIVER BY BROWN BOVERIE	2,328
				BALANCE OF COMPRESSED AIR SYST	6,984
				BUS WORK, CBC TS	8,695
				COMPRESSOR & DRIVE, MODEL # C-	34,920
				CONCRETE BLDG. - FOR CONTROL &	22,896
				CONT, MET & REL PNL, CBC TS	9,527
				CONT, MET, & REL PNL, CBC TS	15,230
				CONTROL,METERING & RELAY PANEL	24,757
				EQUIPMENT FOUNDATION, CBC TS	32,947
				FOUNDATION FOR BUILDING - CONC	4,040
				INSTRUMENT AIR DRYER BY BROWN	2,328
				LAND CLEARED 10' OUTSIDE FENCE	113,546
				LIGHTING FIXTURE, 250 WATT	4,343
				MISCELLANEOUS TELECONTROL	30,758
				POST TYPE INSULATOR, 230 KV, 1	2,637
				POWER & CONTROL CABLE,CBC TS	14,106
				POWER TRANSFORMER, 230 KV,	234,172
				POWER TRANSFORMER, 230KV,	234,172
				SUPPORT STR, FOOTINGS, CBC TS	40,813
				SUSPENSION INSULATOR, 230 KV,	3,853
	1/1/1977	Terminal Stations	CBC Term Stn, Come By Chance	GROUNDING, CBC TS	17,713
	8/1/1979	Terminal Stations	CBC Term Stn, Come By Chance	EXIT DOOR/ENTRANCE, CBC TS	3,730
	9/16/1988	Terminal Stations	CBC Term Stn, Come By Chance	REPAIR EXTERIOR SIDING, CBC TS	5,508
	2/28/1989	Terminal Stations	CBC Term Stn, Come By Chance	CONTROL CABLES	2,523
				GROUNDING	1,228
	9/11/1991	Terminal Stations	CBC Term Stn, Come By Chance	AIR CONDITIONING UNIT, CBC TS	22,318
	10/1/1992	Terminal Stations	CBC Term Stn, Come By Chance	REVENUE METERING EQUIP - (DATA	2,772
	6/8/1994	Terminal Stations	CBC Term Stn, Come By Chance	CONT, MET & RELAYING, CBC TS	16,649
				CONTROL CABLE - (#18-2, #12-2,	984
	3/10/1997	Terminal Stations	CBC Term Stn, Come By Chance	DIGITAL METERS,FULLY CONTRIBUT	2,106
	3/20/1997	Terminal Stations	CBC Term Stn, Come By Chance	TIMERS RXKM-2H, CBC TS	30,157
	12/15/2008	Terminal Stations	CBC Term Stn, Come By Chance	HV ARRESTORS T1, CBC TS	9,158
	4/8/2009	Terminal Stations	CBC Term Stn, Come By Chance	HV ARRESTORS T1,CBC (INSTALL)	1,600
	4/20/2009	Terminal Stations	CBC Term Stn, Come By Chance	HV ARRESTERS T2, CBC TS	21,600
	12/14/2009	Terminal Stations	CBC Term Stn, Come By Chance	FALL ARREST PLATES T1, CBC TS	2,102
				FALL ARREST PLATES T2, CBC TS	2,102
	12/16/2013	Terminal Stations	CBC Term Stn, Come By Chance	Grounding Upgrade,CBC TS(2013)	31,444
	12/31/2014	Terminal Stations	CBC Term Stn, Come By Chance	BUSHING H1,T2 CBC TS	23,363
				BUSHING H2,T1 CBC TS	31,054
				BUSHING H2,T2 CBC TS	23,363
				BUSHING H3,T1 CBC TS	31,054
				BUSHING H3,T2 CBC TS	23,363
	11/20/2015	Terminal Stations	CBC Term Stn, Come By Chance	Insulators - TL207 Bus 1	8,835
	11/26/2016	Terminal Stations	CBC Term Stn, Come By Chance	BUSHING H1,T1,CBC TS	101,740
				BUSHING H1,T2,CBC TS	16,562
				BUSHING H2,T1,CBC TS	101,740
				BUSHING H2,T2,CBC TS	16,562
				BUSHING H3,T1,CBC TS	101,740
				BUSHING H3,T2,CBC TS	16,562
				TRF Upgrade T1, CBC TS (2015)	304,036
				TRF Upgrade T2, CBC TS (2015)	49,687
	12/1/2017	Terminal Stations	BIF Bishops Falls Regional	Install Frequency Monitors - Various Sites	78,950
	12/1/2018	Terminal Stations	BIF Bishops Falls Regional	Replace Instrument Transformers - Various Sites	42,070

Newfoundland and Labrador Hydro
2019 Test Year Specifically Assigned Assets Details - Island Industrial Customers (\$)

Customer	In-Service Date	Function	Macro Asset	Asset Name	Capital Cost
North Atlantic Refining Ltd. Total	12/1/2019	Terminal Stations	BIF Bishops Falls Regional	Upgrade Circuit Breakers - 2019	299,664
					2,380,293
Vale	1/1/1968	Transmission	WHB TL 208, WAV to LHR	ANCHORS FOR GUYED TOWERS	25,734
				CONDUCTOR 795 MCM ACSR 26/7	99,443
				COUNTERPOISE	10,367
				FOUNDATIONS FOR METAL TOWERS	55,580
				METAL TOWERS (GUYED)	102,603
				METAL TOWERS (RIDGED)	65,218
				Overhead Ground Wire	5,263
				RIGHT-OF-WAY	13,753
	1/1/1969	Terminal Stations	WAV Term Stn, Westerm Avalon	PT TL208 B PH,WAV TS	5,684
	[]	[]	[]	[]	[]
	11/30/1995	Transmission	WHB TL 208, WAV to LHR	RIGHT OF WAY	8,637
	[]	[]	[]	[]	[]
	12/6/2010	Terminal Stations	WAV Term Stn, Westerm Avalon	B1L08, UPGRADE (L&M) WAV TS	66,322
	1/10/2012	Terminal Stations	VBN Voisey's Bay Nickel	125 VDC CHARGER, VBN TS	55,807
	1/12/2012	Terminal Stations	VBN Voisey's Bay Nickel	125 VDC DIST PANEL, VBN TS	27,330
	1/20/2012	Terminal Stations	VBN Voisey's Bay Nickel	125 VDC BATTERIES, VBN TS	79,409
				AC DISTRIBUTION PANEL, VBN TS	11,601
				BREAKER FAIL PROT, VBN TS	63,841
				BREAKER, B1T1, VBN TS	369,138
				BREAKER, B1T2, VBN TS	369,138
				BUS WORK, VBN TS	159,732
				BUSHING H1, T1, VBN TS	9,622
				BUSHING H1, T2, VBN TS	9,622
				BUSHING H2, T1, VBN TS	9,622
				BUSHING H2, T2, VBN TS	9,622
				BUSHING H3, T1, VBN TS	9,622
				BUSHING H3, T2, VBN TS	9,622
				BUSHING X0, T1, VBN TS	2,594
				BUSHING X0, T2, VBN TS	2,594
				BUSHING X1, T1, VBN TS	2,594
				BUSHING X1, T2, VBN TS	2,594
				BUSHING X2, T1, VBN TS	2,594
				BUSHING X2, T2, VBN TS	2,594
				BUSHING X3, T1, VBN TS	2,594
				BUSHING X3, T2, VBN TS	2,594
				BUSHING Y0, T1, VBN TS	2,594
				BUSHING Y0, T2, VBN TS	2,594
				BUSHING Y1, T1, VBN TS	2,594
				BUSHING Y1, T2, VBN TS	2,594
				BUSHING Y2, T1, VBN TS	2,594
				BUSHING Y2, T2, VBN TS	2,594
				BUSHING Y3, T1, VBN TS	2,594
				BUSHING Y3, T2, VBN TS	2,594
				CABLE RACEWAY, VBN TS	52,094
				DISCONNECT, B1L08, VBN TS	56,451
				DISCONNECT, B1T1-1, VBN TS	112,651
				DISCONNECT, B1T2-1, VBN TS	112,651
				FENCE, VBN TS	3,431
				FIRE PROT / DET, VBN TS	1,245
				GND SW, L08G, VBN TS	56,451
				GROUNDING, VBN TS	37,771
				HEAT,LIGHT,VENT,SECUR,VBN TS	26,166
				HV ARRESTERS, T1, VBN TS	4,937
				HV ARRESTERS, T2, VBN TS	4,937
				LV (X) ARRESTERS, T1, VBN TS	2,594
				LV (Y) ARRESTERS, T1, VBN TS	2,594
				LV (Y) ARRESTERS, T2, VBN TS	2,594
				LV(X) ARRESTERS, T2, VBN TS	2,594
				NEUT GND RESISTOR(X) T2 VBN TS	4,937
				NEUT GND RESISTOR(X)T1, VBN TS	-
				NEUT GND RESISTOR(Y) T2 VBN TS	4,937
				NEUT GND RESISTOR(Y)T1, VBN TS	4,937
				POST INSULATORS(230KV), VBN TS	78,501
				POWER & CONTROL CABLES, VBN TS	439,120
				PT B1 C PH, VBN TS	52,334
				PT, B1, A PH, VBN TS	52,334

Newfoundland and Labrador Hydro
 2019 Test Year Specifically Assigned Assets Details - Island Industrial Customers (\$)

Customer	In-Service Date	Function	Macro Asset	Asset Name	Capital Cost
				PT, B1, B PH, VBN TS	52,334
				REVENUE METERING, VBN TS	27,330
				STATION CONTROL, HMI, VBN TS	89,185
				SUPPORT STR, FOOTINGS, VBN TS	28,885
				T1 PROTECTION A, VBN TS	114,529
				T1 PROTECTION B, VBN TS	114,529
				T2 PROTECTION A, VBN TS	114,529
				T2 PTOTECTION B, VBN TS	114,529
				TAP CHANGER, T1, VBN TS	9,622
				TAP CHANGER, T2, VBN TS	9,622
				TL208 PROTECTION, VBN TS	79,249
				TRANSFORMER T1, VBN TS	-
				TRANSFORMER T2, VBN TS	401,880
				YARD LIGHTING, VBN TS	26,166
			WAV Term Stn, Westerm Avalon	RECLOSER, B1L08, WAV TS	9,936
				TL208 PROTECTION, WAV TS	160,443
	6/12/2012	Terminal Stations	WAV Term Stn, Westerm Avalon	CT, B1L08, APH, WAV TS	60,539
	6/24/2012	Terminal Stations	WAV Term Stn, Westerm Avalon	CT, B1L08, CPH, WAV TS	63,725
	[]	[]	[]	[]	[]
	[]	[]	[]	[]	[]
	[]	[]	[]	[]	[]
	10/17/2012	Transmission	WHB TL 208, WAV to LHR	AA236 Type , Steel Towers	1,259,888
				Anchors For V-towers	168,324
				A-Type (CAC) Steel Tower	122,482
				DD236 Type Steel Towers	452,758
				NDD Type Steel Tower SS	398,307
				Tower Foundations Self S	3,125,973
	10/18/2012	Transmission	WHB TL 208, WAV to LHR	# 1 Steel Counterpoise	43,379
				804 kmcil Conductor	299,026
				Insulators Suspension	401,727
				Overhead Ground Wire	83,485
				suspension insulators	198,684
	6/28/2016	Terminal Stations	VBN Voisey's Bay Nickel	Trans T1,Insp./Oil Process,VBN	345,511
	12/1/2018	Terminal Stations	BIF Bishops Falls Regional	Upgrade Power Transformers - Various Sites	3,480
Vale Total					11,190,154
Grand Total					29,771,590

Newfoundland and Labrador Hydro
2019TY Specifically Assigned Assets Details - Newfoundland Power (\$)

In-Service Date	Function	Macro Asset	Asset Name	Capital Cost	
1/1/1966	Terminal Stations	SSD Term Stn, Sunnyside	BREAKER,B3L19,SSD TS	[]	
			CT B3L19 A PH,SSD TS	[]	
			CT B3L19 B PH,SSD TS	[]	
			CT B3L19 C PH,SSD TS	[]	
			DISCONNECT,B3L19-1,SSD TS	[]	
			DISCONNECT,B3L19-2,SSD TS	[]	
			METERING TANK,SSD TS	2,500	
1/1/1967	Terminal Stations	MDR Term Stn, Massey Drive	DISCONNECT,B2L352-1,MDR TS	2,913	
			DISCONNECT,B2L356-1,MDR TS	2,913	
			DISCONNECT,B3L351-1,MDR TS	2,913	
			DISCONNECT,B3L357-1,MDR TS	2,913	
			DISCONNECT,B4L1-1,MDR TS	-	
			EXPORT METER, TYPE DSW-64 BY C	625	
			IMPORT METER, TYPE DSW-64 BY C	625	
6/12/1967	Terminal Stations	WAV Term Stn, Westerm Avalon	TRANSFORMER T4,WAV TS	143,000	
		MDR Term Stn, Massey Drive	DISCONNECT,B4L16-1,MDR TS	-	
			DISCONNECT,B4L17-1,MDR TS	16,666	
1/1/1968	Terminal Stations	BBK Bottom Brook	CONTROL, METERING & RELAY PANE	8,277	
			CT 400L A PH,BBK TS	1,654	
			CT 400L B PH,BBK TS	1,654	
			CT 400L C PH,BBK TS	1,654	
			DISCONNECT,B2T2,BBK TS	-	
			TRANSFORMER T2,BBK TS	106,823	
			BLA Term Stn, Bay L Argent	BUS WORK, BLA TS	4,762
				CONTROL METERING & RELAY PANEL	6,920
				FOUNDATIONS (CONCRETE) FOR EQU	2,853
				WOOD POLE STRUCT - (2 -45' WO	541
		WOOD POLE STRUCT - (4 - 25' W		1,083	
		WOOD POLE STRUCT - (4 - 40' W		1,083	
		DLS Term Stn, Doyles		BUILDING STRUCTURE,DLS TS	31,912
				BUSWORK & HARDWARE	6,630
				CABLE TRENCH -124' @ 30" WIDE	14,574
				CONCRETE FOUNDATION FOR EQUIP.	20,869
			CONTROL CABLE	6,882	
			CONTROL, METERING RELAYING PAN	6,449	
			CONTROL,METERING & RELAYING PA	11,084	
		DISCONNECT SWITCH WITH GRND SW	2,782		
		DISCONNECT SWITCH WITH GRND.SW	1,358		
		DISCONNECT SWITCH, 138 KV, ITE	6,200		
		DISCONNECT SWITCH, 69 KV, ITE,	2,462		
		DISCONNECT,B1L15-1,DLS TS	2,462		
		DISCONNECT,B1T1-1,DLS TS	2,462		
		FENCE,DLS TS	5,392		
		GROUND,L14AG,DLS TS	2,782		
		LAND IMPROVEMENT (LAND CLEARIN	19,397		
		LIGHTING FIXTURE	1,818		
		LIGHTINH FIXTURE	909		
		Post Type Insulators	353		
		PUMP SYSTEM	1,149		
		SEWAGE SYSTEM,DLS TS	2,792		
		STRUCTURAL SUPPORT - STEEL, 25	18,124		
		Suspension Insulators 50KV	240		
		WATER SUPPLY SYSTEM - WELL @ 1	6,140		
		GBA Term Stn, Grand Bay	PT TL215 A PH,GBA TS	2,912	
PT TL215 B PH,GBA TS	2,912				
PT TL215 C PH,GBA TS	2,912				
LLK Term Stn, Linton Lake	REVENUE METER - TERMINAL - LIN	4,041			
	REVENUE METERING - TERMINAL -	1,959			
Transmission	SVL TL 214, BBK to DLS	ANCHORS FOR GUYED TOWERS	267,803		
		CONDUCTOR 266.8 MCM ACSR 26/7	384,473		
		FOUNDATIONS FOR METAL TOWERS	296,936		
		METAL TOWERS (GUYED)	735,544		
		METAL TOWERS (RIDGED)	35,930		

Newfoundland and Labrador Hydro
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In-Service Date	Function	Macro Asset	Asset Name	Capital Cost
			OVERHEAD GROUND WIRE	3,544
			RIGHT-OF-WAY	198,434
		SVL TL 215, DLS to PAB	153.6 ACSR, 6/13 STR,	90,025
			4/0 BARE ACSR,6/1 STR, PENGUIN	109,415
			RIGHT-OF-WAY	22,195
			wood pole struct- 1 pole	329,806
			WOOD POLE STRUCTURES (3 PO	34,672
4/16/1968	Terminal Stations	DLS Term Stn, Doyles	ANNUNCIATOR,DLS TS	16,506
		SPL Term Stn, Springdale	REVENUE METERING,SPL TS	2,392
6/12/1968	Terminal Stations	DLS Term Stn, Doyles	PT B1 A PH,DLS T.S.	-
			PT B1 B PH,DLS TS	-
			PT B1 C PH,DLS TS	-
			PT TL214 B PH & W/TRAP,DLS TS	-
10/15/1968	Terminal Stations	HRD Term Stn, Holyrood	HV ARRESTORS T7,HRD TS	16,174
		LLK Term Stn, Linton Lake	Buswork & Hardware, LLK TS	14,579
			Cable Raceway, LLK TS	1,549
1/1/1969	Terminal Stations	BLA Term Stn, Bay L Argent	SWITCHING -H.V.-(138 KV DISC S	1,379
			SWITCHING -H.V.(138KV DISC SWI	1,379
		WAV Term Stn, Westerm Avalon	CT 64L A PH,WAV TS	9,723
			CT 64L B PH,WAV TS	9,723
			CT 64L C PH,WAV TS	9,723
			DISCONNECT,B3T4,WAV TS	19,327
			DISCONNECT,B3T5,WAV TS	34,362
			TRANSFORMER T3,WAV TS	187,163
6/12/1969	Terminal Stations	BBK Bottom Brook	DISCONNECT,L400T2-1,BBK TS	3,115
			PT TL214 B PH & W/TRAP,BBK TS	-
1/1/1970	Terminal Stations	HRD Term Stn, Holyrood	BREAKER,B13B15,HRD TS	176,151
			BREAKER,B8L39,HRD TS	-
			CT B13B15 A PH,HRD TS	21,335
			CT B13B15 B PH,HRD TS	21,335
			CT B13B15 C PH,HRD TS	14,067
			CT B8L39 B PH,HRD TS	8,034
			CT B8L39 C PH,HRD TS	8,034
			CT B8T6 A PH,HRD TS	6,398
			CT B8T6 B PH,HRD TS	6,398
			CT B8T6 C PH,HRD TS	6,398
			CT B8T7 A PH,HRD TS	6,398
			CT B8T7 B PH,HRD TS	6,398
			CT B8T7 C PH,HRD TS	6,398
			DISCONNECT,B13B15-1,HRD TS	16,701
			DISCONNECT,B13B15-2,HRD TS	16,701
			DISCONNECT,B15T6,HRD TS	3,383
			DISCONNECT,B15T7,HRD TS	37,764
			DISCONNECT,B15T8,HRD TS	37,764
			DISCONNECT,B8L39-1,HRD TS	-
			DISCONNECT,B8L39-2,HRD TS	-
			DISCONNECT,B8T6,HRD TS	84,874
			DISCONNECT,B8T7,HRD TS	84,874
			DISCONNECT,B8T8,HRD TS	84,874
			POWER TRANSFORMER - (INST COST	40,117
			PT B8 A PH,HRD TS	-
			PT B8 B PH,HRD TS	-
			PT B8 C PH,HRD TS	-
			TRANSFORMER T7,HRD TS	180,337
		SPL Term Stn, Springdale	EXPORT DEMAND METER - REV. MET	480
		WAV Term Stn, Westerm Avalon	BREAKER,B1B3,WAV TS	52,534
			BREAKER,B2T2,WAV TS	19,125
			BREAKER,B4L64,WAV TS	55,442
			CIRCUIT BREAKER - (69KV OIL F	19,125
			CIRCUIT SWITCHER,B1T1,WAV TS	36,816
			CIRCUIT SWITCHER,B1T2,WAV TS	36,816
			CT B1B3 A PH,WAV TS	5,607
			CT B1B3 B PH,WAV TS	5,607
			CT B1B3 C PH,WAV TS	5,607

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2019TY Specifically Assigned Assets Details - Newfoundland Power (\$)

In-Service Date	Function	Macro Asset	Asset Name	Capital Cost
			CT B4T3 A PH,WAV TS	2,982
			CT B4T3 B PH,WAV TS	2,982
			CT B4T3 C PH,WAV TS	2,982
			CT B4T4 A PH,WAV TS	2,982
			CT B4T4 B PH,WAV TS	2,982
			CT B4T4 C PH,WAV TS	2,982
			DISCONNECT,B1B3-1,WAV TS	6,679
			DISCONNECT,B1B3-2,WAV TS	6,679
			DISCONNECT,B2T1-1,WAV TS	4,869
			DISCONNECT,B2T2-1,WAV TS	4,869
			DISCONNECT,B3T3,WAV TS	6,679
			POWER TRF - (230KV PWR TRF BY	184,349
			POWER TRF - (230KV PWR TRF BY	171,773
			PT T1 B-C PH,WAV TS	-
			PT T2 B-C PH,WAV TS	-
1/1/1971	Terminal Stations	SVL Term Stn, Stpville Gas	ADD/T COST -GROUND SWITCH , 69	1,889
1/1/1972	Terminal Stations	BLA Term Stn, Bay L Argent	DISCONNECT,L12-1,BLA TS	17,709
			DISCONNECT,L12-2,BLA TS	17,709
1/1/1974	Terminal Stations	MKS Term Stn, Monkstown	METERING TANK,MKS TS	7,362
		GBA Term Stn, Grand Bay	CT TL215 A PH,GBA TS	3,117
			CT TL215 B PH,GBA TS	3,117
			CT,TL215 C PH,GBA TS	3,117
6/12/1975	Terminal Stations	HWD Term Stn, Hardwoods	REVENUE METERING EQUIP - (REVE	2,200
		SVL Term Stn, Stpville Gas	BREAKER,B2L405,SVL TS	-
			DISCONNECT,B2L405-1,SVL TS	[]
			DISCONNECT,B2L405-2,SVL TS	[]
			DISCONNECT,L405T4-2,SVL TS	[]
1/1/1976	Terminal Stations	HRD Term Stn, Holyrood	CONTROL CABLE	243
			LAND IMPROVEMENTS	6,531
			MOTOR MECH FOR 230KV DISCONN	5,289
			SWITCHING - H. V. (BUSWORK AND	2,298
1/1/1977	Terminal Stations	BBK Bottom Brook	GROUND SWITCH, 69 KV, HAND BY	1,038
	Transmission	SVL TL 215, DLS to PAB	ADD. COST RE ASSET 011557	2,047
6/12/1977	Terminal Stations	DLK Term Stn, Deer Lake	METERING TANK,DLK TS (N.POWER)	2,157
7/17/1977	Terminal Stations	BBK Bottom Brook	EXPORT METER, DSW-65	600
			IMPORT METER, DSW-65	600
1/1/1978	Terminal Stations	GBA Term Stn, Grand Bay	DEMAND METER	1,201
		HLY Term Stn, Howley	DEMAND ENERGY METER,SANGAMO,TY	1,429
		HRD Term Stn, Holyrood	138KV MOTORIZED DISC SWITCH BY	10,506
			CABLE TRENCH AND DUCTS	11,636
			CONTROL CABLE	8,468
			CONTROL, METERING AND RELAYING	21,029
			FOUNDATIONS (CONCRETE) FOR EQU	21,778
			GROUNDING	5,732
			LAND IMPROVEMENTS	17,042
			LIGHTING SYSTEM - SWITCHYARD	5,539
			POWER TRANSFORMER - (INST COST	40,440
			STRUCTURAL SUPPORT - STEEL	55,630
			SWITCHING - H.V. (BUSWORK AND	16,553
		SVL Term Stn, Stpville Gas	CONTROL MTERING & RELAYING PAN	5,151
			GROUND SWITCH, 69 KV BY KEANRE	1,579
	Transmission	SVL TL 215, DLS to PAB	ADD. COST RE ASSET 11557	125
	TS Export	HRD Term Stn, Holyrood	SWITCHING - H. V. (POST TYPE I	1,787
5/15/1978	Terminal Stations	HRD Term Stn, Holyrood	POWER TRF - (230KV PWR TRF BY	171,730
		WAV Term Stn, Westerm Avalon	CABLE TRENCH AND DUCTS	1,390
			CONTROL CABLE `	20,565
			CONTROL, METERING AND RELAYING	16,316
			FENCING	7,043
			FOUNDATION (CONCRETE) FOR EQUI	132,552
			GROUNDING	19,744
			LIGHTING SYSTEM - SWITCHYARD	1,668
			REVENUE METERING EQUIPMENT - (2,920
			STRU;CTURAL SUPPORTS - STEEL	63,944
			SWITCHING - H. V. (230KV GROU	2,145

Newfoundland and Labrador Hydro
2019TY Specifically Assigned Assets Details - Newfoundland Power (\$)

In-Service Date	Function	Macro Asset	Asset Name	Capital Cost
			SWITCHING - H.V. (138KV GROUN	2,145
			SWITCHING - H.V. (230KV GROUN	2,145
			SWITCHING - H.V. (BUSWORK AND	28,041
1/1/1979	Terminal Stations	HRD Term Stn, Holyrood	REVENUE METERING EQUIPMENT - (1,343
		OPD Term Stn, Oxen Pond	REV METERING EQUIP - (TERM ME	703
2/1/1979	Terminal Stations	WAV Term Stn, Westerm Avalon	CONTROL CABLE - (ADDT COST)	8,284
			CONTROL, METERING AND RELAYING	45,623
			GROUNDING - (ADDT COST)	1,086
			LIGHTING SYSTEM - SWITCHYARD (599
			POWER TRANSFORMER - (ADD'T CO	82,495
			STRUCTURAL SUPPORTS - STEEL	15,254
			SWITCHING - H. V. (138KV MOTO	7,131
			SWITCHING - H. V. (BUSWORK AN	6,218
			SWITCHING - H.V. (138KV MOTOR	7,131
8/4/1979	Terminal Stations	HRD Term Stn, Holyrood	CABLE TRENCH AND DUCTS	7,926
			CONTROL CABLE	8,106
			CONTROL, METERING AND RELAYING	30,123
			FENCING - CHAIN LINK	1,821
			FOUNDATIONS (CONCRETE) FOR EQU	48,908
			GROUNDING	10,960
			LAND IMPROVEMENTS	8,505
			LIGHTING SYSTEM - SWITCHYARD	937
			MOTOR MECH FOR DISC SWITCH	3,066
			POWER CABLES - (5KV AND ABOVE)	165
			POWER TRANSFORMER - (ADDT COST	80,235
			REVENUE METERING EQUIPMENT - (4,640
			STRUCTURAL SUPPORTS - STEEL	47,671
			SWITCHING - H. V. (POST TYPE	2,734
			SWITCHING - H. V. (SUSPENSION	6,445
			SWITCHING - H.V. (BUSWORK AND	2,768
1/1/1980	Terminal Stations	BLA Term Stn, Bay L Argent	CMR - (REV METERING PANEL ENCL	1,301
			RME - (DSW-65 EXPORT TERMINAL	800
		GBA Term Stn, Grand Bay	DEMAND METER	1,844
		HRD Term Stn, Holyrood	REVENUE METERING EQUIP - (REVE	660
		OPD Term Stn, Oxen Pond	REV METERING EQUIP - (TERMINA	2,900
		SSD Term Stn, Sunnyside	REVENUE METERING EQUIPMENT - (1,796
		SVL Term Stn, Stpvville Gas	REVEUEUE METER, DSW-64 BY C.G.	983
			REVENUE METER, DSW-64 BY C.G.E	983
		WAV Term Stn, Westerm Avalon	CONTROL, METERING AND RELAYING	6,521
			REVENUE METERING EQUIPMENT - (2,807
6/12/1980	Terminal Stations	GBA Term Stn, Grand Bay	BREAKER,B1C1,GBA TS	76,942
			CAPACITOR BANK,GBA TS	73,113
			DISCONNECT,B1C1-1,GBA TS	9,136
			DISCONNECT,B1C1-2,GBA TS	9,136
			GROUND,C1G2,GBA TS	4,986
6/30/1980	Terminal Stations	MKS Term Stn, Monkstown	RME -(PRINTING DEMAND METER, T	2,404
			RME-(DEMAND EXPORT TERM METER,	818
12/31/1980	Terminal Stations	BLA Term Stn, Bay L Argent	METERING TANK,BLA TS	6,604
1/1/1981	Terminal Stations	DLS Term Stn, Doyles	CONTROL, METERING & RELAY PANE	4,939
		HRD Term Stn, Holyrood	POWER TRANSFORMER - (ADDT COS	8,202
	Transmission	SVL TL 214, BBK to DLS	RIGHT-OF-WAYS	10,467
		SVL TL 215, DLS to PAB	RIGHT-OF-WAYS	10,468
10/11/1981	Terminal Stations	BBK Bottom Brook	FAULT LOCATORS ON TL214	8,032
10/19/1982	Terminal Stations	HRD Term Stn, Holyrood	CABLE TRENCH AND DUCTS	1,120
			CONTROL CABLES	10,965
			CONTROL METERING AND RELAYING	20,654
			FOUNDATION (CONCRETE) FOR	-
			FOUNDATION (CONCRETE) FOR EQUI	70,837
			GROUNDING	6,795
			LAND IMPROVEMENTS	12,980
			LIGHTING SYSTEM - SWITCHYARD	4,721
			STRUCTURAL SUPPORTS - STEEL (2	56,609
			SWITCHING - H.V. (BUSWORK AND	31,011
			SWITCHING - H.V. (SUSPENSION I	10,212

Newfoundland and Labrador Hydro
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In-Service Date	Function	Macro Asset	Asset Name	Capital Cost
4/13/1983	Transmission	SVL TL 214, BBK to DLS	METAL TOWERS (RIDGED)	116,438
6/9/1983	Terminal Stations	LLK Term Stn, Linton Lake	CONTROL CABLES - REVENUE METER	1,796
			GROUNDING - REVENUE METERING P	827
11/10/1983	Terminal Stations	GBA Term Stn, Grand Bay	BUSWORK & HARDWARE	18,365
			CONTROL CABLES	13,210
			CURRENT TRANSFORMER STEEL STRU	3,171
			CURRENT TRANSFORMER, STEEL STR	1,586
			FOUNDATION FOR STRUCTURE - CON	14,093
			GROUNDING	5,956
			Post Type Insulators	2,219
			POTENTIAL TRANSFORMERS, 69KV B	1,653
			POTENTIAL TRANSFORMERS,69KV BY	3,307
			STN CNTRL,METERING REL GBA TS	24,454
			SUSPENSION INSULATORS, 25 000	350
			WOOD POLE STRUCTURE FOR TERMIN	6,148
2/13/1984	Terminal Stations	PAS PASADENA SUBSTATION	SANGAMO REVENUE METER, TYPE K-	2,339
2/14/1984	Terminal Stations	DLS Term Stn, Doyles	MAGNETIC TAPE RECORDER, TYPE E	1,388
9/20/1986	Terminal Stations	DLS Term Stn, Doyles	DISTANCE RELAYING FOR T/L # 21	14,503
12/30/1986	Terminal Stations	BBK Bottom Brook	ON-LINE FAULT LOCATOR FOR T/L	15,243
11/14/1987	Terminal Stations	BBK Bottom Brook	138 KV DISCONNECT SWITCH STRUC	4,466
			138 KV POST INSULATOR STRUCTUR	1,367
1/1/1988	Terminal Stations	LLK Term Stn, Linton Lake	CT A PH,METERING,LLK TS	11,486
			CT B PH,METERING,LLK TS	11,486
			CT C PH,METERING,LLK TS	12,019
4/29/1988	Terminal Stations	HRD Term Stn, Holyrood	CONTROL, METERING AND RELAYING	19,061
8/29/1989	Terminal Stations	WAV Term Stn, Westerm Avalon	DISCONNECT SWITCH - 230KV 1050	1,297
8/31/1989	Terminal Stations	HRD Term Stn, Holyrood	CABLE TRENCH AND DUCTS	15,835
			CONTROL CABLE	42,994
			CONTROL, METERING AND RELAYING	35,411
			FENCING - CHAIN LINK FENCING	14,264
			FOUNDATIONS (CONCRETE) FOR EQU	58,005
			GROUNDING	19,874
			LAND IMPROVEMENTS	11,988
			LIGHTING SYSTEM - SWITCHYARD	2,867
			STRUCTURAL SUPPORTS - STEEL (9,450
			STRUCTURAL SUPPORTS - STEEL (1	10,423
			STRUCTURAL SUPPORTS - STEEL (2	14,796
			SWITCHING - H. V. (SUSPENSION	9,749
			SWITCHING - H.V. (138KV POST T	2,653
			SWITCHING - H.V. (BUSWORK AND	18,831
		SSD Term Stn, Sunnyside	MISCELLANEOUS _SPARE PARTS	36,827
9/24/1989	Terminal Stations	DLS Term Stn, Doyles	POWER TRANSFORMER - (69KV POWE	1,346,248
			CONTROL CABLE - # 12 - 2 CONDU	920
			CONTROL CABLE - # 12 - 4 CONDU	2,244
			CONTROL CABLE - # 18 - 2 CONDU	1,120
			CONTROL CABLES, # 8-4 CONDUCTO	4,137
			CONTROL,METERING & RELAYING -	29,724
			FOUNDATION - CONCRETE FOR STOR	4,897
			FOUNDATION - CONCRETE FOR TRAN	6,111
			GROUNDING	9,128
			POWER TRANSFORMER, 25/33/41.6	974,381
			PRE-CASTCABLE TRENCH FOR TRANS	8,575
			SITE PREPARATION FOR TRANSFORM	12,202
10/30/1989	Transmission	SVL TL 215, DLS to PAB	SURVEY STAGE II TRANSMISSION L	18,585
1/9/1990	Terminal Stations	WAV Term Stn, Westerm Avalon	CABLE TRENCH & DUCTS - PRE-CAS	13,289
			CONTROL CABLE - CONDUCTOR WIRE	27,112
			CONTROL, METERING & RELAY PANE	41,642
			DISCONNECT SWITCHES - JOSLYN R	181,253
			FENCING FOR TRANSFORMER ADDITI	14,246
			FOUNDATION FOR EQUIP - 138KV D	1,692
			FOUNDATION FOR EQUIP- PAD FOR	11,043
			FOUNDATION FOR EQUIP. - 138 KV	10,143
			FOUNDATION FOR EQUIP. - 230 KV	2,534
			FOUNDATION FOR EQUIPMENT - 138	14,650

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In-Service Date	Function	Macro Asset	Asset Name	Capital Cost
			FOUNDATION FOR EQUIPMENT - 230	16,284
			LAND IMPROVEMENT - CLEARING FO	58,821
			POWER TRANSFORMERS - 75/10	-
			POWER TRANSFORMERS - 75/100/12	1,170,724
			Retired	-
			ROADS - UPGRADING OF ROAD LEAD	9,447
			STORM DRAINAGE SYSTEM WESTERN	21,338
			STRUCTURAL (WOOD & STEEL) - 13	8,645
			STRUCTURAL STEEL - 138 KV DISC	12,082
			STRUCTURAL STEEL - 230 KV DISC	32,033
			STRUCTURAL STEEL - 230 KV POST	3,271
			SUSPENSION INSULATORS - 230 KV	4,196
			SWITCHING - 138KV STATION POST	4,187
			SWITCHING - 230 KV STATION POS	2,966
			SWITCHING - H.V. - BUSWORK & H	18,800
			SWITCHYARD LIGHTING - HALOPHON	3,095
			TRANSFORMERS - GROUNDING FOR T	22,837
3/30/1990	Terminal Stations	HRD Term Stn, Holyrood	CABLE TRENCH AND DUCTS	8,123
			GROUNDING	3,283
			STRUCTURAL SUPPORTS - STEEL (1	4,779
			STRUCTURAL SUPPORTS - STEEL (P	2,534
			SWITCHING - H.V. (BUSWORK AND	705
9/28/1990	Terminal Stations	DLS Term Stn, Doyles	EQUIPMENT NECESSARY FOR EMS PT	3,889
12/20/1990	Terminal Stations	SPT Salt Pond Metering Equip	REVENUE METERING EQUIPMENT	15,631
		SSD Term Stn, Sunnyside	CABLE TRENCH & DUCT -(PRECAST	6,023
			CONTROL CABLE - (#12-2 CONTRO	1,558
			CONTROL CABLE - (#12-8 CONTRO	3,038
			CONTROL CABLE - (#18-2 CONTRO	749
			CONTROL CABLE - (#12-4 CONTROL	6,347
			CONTROL CABLES - (#8-4 CONTRO	7,165
			CONTROL, METERING AND RELAYING	61,793
			FOUNDATION (CONCRETE) FOR EQ	6,014
			FOUNDATION (CONCRETE FOR EQUIP	34,082
			GROUNDING -(500MCM & #1/0 COP	12,491
			LAND IMPROVEMENTS	7,617
			LIGHTING SYSTEM - SWITCHYARD	3,833
			PT TL219 A PH,SSD TS	14,813
			PT TL219 B PH,SSD TS	14,813
			PT TL219 C PH,SSD TS	14,813
			STRUCTURAL SUPPORTS - STEEL (1	35,993
			STRUCTURAL SUPPORTS - STEEL (A	6,488
			SWITCHING - H.V. (POST TYPE I	14,240
			SWITCHING - H.V. (SUSPENSION	7,542
			SWITCHING - H.V. (BUSWORK AND	49,804
	Transmission	WHB TL 219, SSD to SPT	CONDUCTOR 477 AASC	3,883,199
			LAND	9,167
			OVERHEAD GROUND WIRE	4,000
			RIGHT-OF-WAYS	330,253
			SUSPENSION INSULATORS (15000LB	686,309
			SUSPENSION INSULATORS (25000LB	136,388
			SUSPENSION TYPE INSULATORS	3,777
			SUSPENSION TYPE INSULATORS 120	35,169
			WOOD POLE STRUCTURES TYPE	4,230,043
			WOOD POLE STRUCTURES TYPE A	2,666,765
			WOOD POLE STRUCTURES TYPE AA	49,733
			WOOD POLE STRUCTURES TYPE AAW	142,199
			WOOD POLE STRUCTURES TYPE AG	10,464
			WOOD POLE STRUCTURES TYPE AGW	20,760
			WOOD POLE STRUCTURES TYPE AWX	208,010
			WOOD POLE STRUCTURES TYPE AX	47,173
			WOOD POLE STRUCTURES TYPE B	201,216
			WOOD POLE STRUCTURES TYPE BB	22,704
			WOOD POLE STRUCTURES TYPE C	172,874
			WOOD POLE STRUCTURES TYPE D	295,940

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In-Service Date	Function	Macro Asset	Asset Name	Capital Cost
			WOOD POLE STRUCTURES TYPE E	341,239
			WOOD POLE STRUCTURES TYPE EE	73,531
			WOOD POLE STRUCTURES TYPE EEX	42,142
			WOOD POLE STRUCTURES TYPE H	216,885
			WOOD POLE STRUCTURES TYPE T	43,046
			WOOD POLE STRUCTURES TYPE TW	30,783
7/29/1991	Terminal Stations	MMT Marble Mount	KWH METER & SOLID STATE RECORD	6,791
10/11/1991	Terminal Stations	DLS Term Stn, Doyles	FAULT LOCATOR ON TL 215	8,032
12/12/1991	Terminal Stations	DLS Term Stn, Doyles	LAND SURVEY	7,522
1/28/1992	Terminal Stations	BBK Bottom Brook	DATASTAR RECORDER (REMOVE 1 -	2,392
		BLA Term Stn, Bay L Argent	CMR -(DATASTAR RECORDER, MOD#	2,498
		BUC Term Stn, Buchans	DATASTAR RECORDER (REMOVE 1- E	2,392
		DLS Term Stn, Doyles	DATASTAR RECORDER (REMOVE 1- E	2,392
		GBA Term Stn, Grand Bay	DATASTAR RECORDER (REMOVE ETR)	2,392
		HRD Term Stn, Holyrood	CONTROL, METERING AND RELAYING	2,498
		IRV Term Stn, Indian River	DATASTAR RECORDER (REMOVE 1 ET	2,392
		LLK Term Stn, Linton Lake	CONTROL, METERING & RELAYING-DA	2,498
		MDR Term Stn, Massey Drive	DATA STAR RECORDER - (REMOVE 1	2,392
			DATA STAR RECORDER (REMOVE 1 E	2,392
		MKS Term Stn, Monkstown	RME - (DATASTAR RECORDER, MOD#	2,498
		OPD Term Stn, Oxen Pond	REV METERING EQUIP - (SOLID S	2,498
		SCR Seal Cove Rd	DATASTAR RECORDER	2,392
		SSD Term Stn, Sunnyside	REVENUE METERING EQUIP - (2 D	4,996
		STB Term Stn, Stoney Brook	DATASTAR RECORDER	2,392
			DATASTAR RECORDER (REMOVE 1 EA	2,392
		WAV Term Stn, Westerm Avalon	CONTROL, METERING & RELAY PANE	4,996
5/4/1992	Terminal Stations	DLS Term Stn, Doyles	CONTROL CABLES	2,384
8/17/1992	Transmission	SVL TL 215, DLS to PAB	SUPPLY/INSTALL LINE POST TYPE	283,915
9/26/1994	Transmission	SVL TL 214, BBK to DLS	CAHINETTE TYPE POLE STRUCTURE	17,858
			CHAINETTE TYPE POLE STRUCTURE	17,858
11/30/1994	Terminal Stations	DLS Term Stn, Doyles	CONTROL CABLE (#12-2,12-4)	109
			CONTROL CABLE (#18-2 CONDUCTOR	2,485
12/31/1996	Terminal Stations	SSD Term Stn, Sunnyside	REINHAUSEN OIL FILTERING SYSTE	31,346
3/31/1999	Terminal Stations	WAV Term Stn, Westerm Avalon	BREAKER FAILURE, WAV TS	41,819
7/1/2000	Terminal Stations	BBK Bottom Brook	PT TL214 A PH & W/TRAP, BBK TS	14,821
		DLS Term Stn, Doyles	PT TL214 A PH , DLS TS	14,821
12/8/2000	Terminal Stations	BBK Bottom Brook	FOUNDATIONS CONCRETE FOR CVT	7,470
		DLS Term Stn, Doyles	FOUNDATIONS CONCRETE FOR CVT	7,470
7/31/2001	Transmission	SVL TL 215, DLS to PAB	Wood Pole Structures (1 Pole)	42,240
12/30/2002	Terminal Stations	HRD Term Stn, Holyrood	Modify 138kv breaker panel	20,650
5/30/2003	Transmission	SVL TL 215, DLS to PAB	50' wood poles	14,171
10/13/2003	Transmission	SVL TL 215, DLS to PAB	55' wood poles	9,060
			65' wood poles	17,943
			insulators Ip 69k horizontal	7,135
8/16/2004	Transmission	SVL TL 214, BBK to DLS	Conductor 795 ACSR	434,397
			Insulators-suspension type	1,604,821
			STEEL TOWERS (RIDGID) Type DD	1,509,566
			STEEL TOWERS Type A	543,571
			Wood "H" Type AWS Structures	146,108
			Wood "H" Type G Structures	55,597
10/19/2004	Terminal Stations	SVL Term Stn, Stpville Gas	CT L405 C PH, SVL TS	2,328
11/2/2004	Terminal Stations	BBK Bottom Brook	LV ARRESTORS T2, BBKTS	6,968
11/30/2004	Transmission	SVL TL 215, DLS to PAB	Pole Program Replacement 2004	30,656
12/22/2004	Terminal Stations	SSD Term Stn, Sunnyside	109L Protection Addition	30,951
			protection 2004 additions	30,951
12/17/2005	Transmission	SVL TL 215, DLS to PAB	TL215, WPLM 2005 REFURBISHMENT	126,114
8/25/2006	Terminal Stations	BBK Bottom Brook	HV ARRESTORS T2, BBKTS	9,652
11/23/2006	Terminal Stations	BBK Bottom Brook	PT 400L A PH, BBK TS	12,943
			PT 400L B PH, BBKTS	18,457
			PT 400L C PH, BBKTS	12,943
12/6/2006	Transmission	WHB TL 219, SSD to SPT	TL219, WPLM 2006 ASSESSMENT	34,995
12/11/2006	Terminal Stations	WAV Term Stn, Westerm Avalon	HV ARRESTORS T2, WAV TS	13,923
			LV ARRESTORS T2, WAVTS	6,828
12/12/2006	Terminal Stations	BBK Bottom Brook	400L LINE PROTECTION UPGRADE	36,219

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In-Service Date	Function	Macro Asset	Asset Name	Capital Cost
			TL 214 LINE PROTECTION UPGRADE	36,219
12/11/2007	Transmission	WHB TL 219, SSD to SPT	TL219, WPLM 2007 INSPECTION	143,645
			TL219, WPLM 2007 REFURBISHMENT	5,999
1/1/2008	Terminal Stations	DLS Term Stn, Doyles	RIG-D Beam Ice Monitoring	9,800
12/2/2008	Transmission	SVL TL 215, DLS to PAB	TL215, WPLM 2008 INSPECTION	35,472
			TL215, WPLM 2008 REFURBISHMENT	360,185
12/16/2008	Terminal Stations	WHB TL 219, SSD to SPT	TL219, WPLM 2008 INSPECTION	208,837
12/19/2008	Transmission	DLS Term Stn, Doyles	ROOF, DLS TS	22,175
12/31/2008	Terminal Stations	WHB TL 219, SSD to SPT	TL219, WPLM 2008 REFURBISHMENT	6,110
		HRD Term Stn, Holyrood	FALL ARREST PROTECTION SYSTEM	2,001
		SSD Term Stn, Sunnyside	FALL ARREST PROTECTION SYSTEM	2,001
5/13/2009	Terminal Stations	WAV Term Stn, Westerm Avalon	PT, B4, BPH, WAV TS	8,045
12/9/2009	Transmission	SVL TL 215, DLS to PAB	TL215, WPLM 2009 INSPECTION	37,982
			TL215, WPLM 2009 REFURBISHMENT	233,113
		WHB TL 219, SSD to SPT	TL219, WPLM 2009 INSPECTION	170,513
12/14/2009	Terminal Stations	DLS Term Stn, Doyles	FALL ARREST PLATES T1, DLS TS	2,102
		GBA Term Stn, Grand Bay	GROUNDING UPGRADE GBA TS, 2009	2,900
		WAV Term Stn, Westerm Avalon	UPGRADE T4, WAV TS (2009)	5,429
12/15/2009	Terminal Stations	DLS Term Stn, Doyles	GROUNDING UPGRADE, DLS TS 2009	1,716
9/30/2010	Terminal Stations	WAV Term Stn, Westerm Avalon	BUSHING X1,T1 WAV TS	9,127
			BUSHING X2,T1 WAV TS	9,127
			BUSHING X3,T1 WAV TS	9,127
11/5/2010	Transmission	SVL TL 215, DLS to PAB	TL215, WPLM REFURBISHMENT	111,939
11/12/2010	Transmission	WHB TL 219, SSD to SPT	TL219, WPLM 2010 INSPECTION	258,305
11/23/2010	Transmission	SVL TL 215, DLS to PAB	TL-215 REPLACE GUY WIRE ,2010.	326,487
12/6/2010	Terminal Stations	SVL Term Stn, Stpville Gas	PT, 405L, BPH (MAT), SVL TS	9,065
		WAV Term Stn, Westerm Avalon	PT, B4, APH, WAV TS	13,598
			PT, B4, CPH, WAV TS	13,598
12/7/2010	Terminal Stations	SVL Term Stn, Stpville Gas	PT, 405L, APH (MAT) SVL TS	9,065
			PT, 405L, CPH (MAT) SVL TS	9,065
12/10/2010	Terminal Stations	DLS Term Stn, Doyles	TRF UPGRDE T1, DLS TS (2010)	91,274
12/13/2010	Terminal Stations	DLS Term Stn, Doyles	GROUNDING UPGRADE,DLS TS 2010	28,632
9/19/2011	Transmission	WHB TL 219, SSD to SPT	TL219 WPLM 2011 INSPECTION	226,653
10/6/2011	Terminal Stations	SSD Term Stn, Sunnyside	TRF UPGRADE T8, SSD TS (2011)	35,521
12/1/2011	Transmission	SVL TL 215, DLS to PAB	TL215 Replace Guy Wire	447,607
12/4/2011	Terminal Stations	SVL Term Stn, Stpville Gas	405L PT, A PH, SVL TS (LABOUR)	4,319
			405L PT, B PH, SVL TS (LABOUR)	4,319
			405L PT, CPH, SVL TS, (LABOUR)	3,955
			L405 CT, A PH, SVL TS	19,174
			L405 CT, B PH, SVL TS	24,906
12/5/2011	Terminal Stations	DLS Term Stn, Doyles	INSULATORS, DLS TS, (2011)	9,737
2/8/2012	Terminal Stations	BBK Bottom Brook	Bushing H1,T2,BBK TS	3,591
			Bushing H2,T2,BBK TS	3,591
			Bushing H3,T2,BBK TS	3,591
7/9/2012	Terminal Stations	WAV Term Stn, Westerm Avalon	INSULATORS, WAV TS, (2012)	9,381
7/19/2012	Terminal Stations	WAV Term Stn, Westerm Avalon	TRF Upgrade T5, WAV TS (2012)	14,964
7/30/2012	Terminal Stations	BBK Bottom Brook	Bushing X1,T2,BBK TS	3,591
			Bushing X2,T2,BBK TS	3,591
			Bushing X3,T2,BBK TS	3,591
9/10/2012	Terminal Stations	DLS Term Stn, Doyles	125 VDC CHARGER, DLS TS	26,488
9/15/2012	Terminal Stations	SSD Term Stn, Sunnyside	TRF Upg SSD T8 (2012)	14,964
10/23/2012	Transmission	WHB TL 219, SSD to SPT	TL-219 , WPLM 2012 Inspections	165,768
10/31/2012	Terminal Stations	WAV Term Stn, Westerm Avalon	Bushing H1,T1,WAV TS	44,892
			Bushing H2,T1,WAV TS	44,892
			Bushing H3,T1,WAV TS	44,892
11/7/2012	Terminal Stations	WAV Term Stn, Westerm Avalon	PT, 64L, BPH, WAV TS	19,117
11/12/2012	Terminal Stations	WAV Term Stn, Westerm Avalon	PT, B4, CPH, WAVTS	19,117
11/14/2012	Terminal Stations	HRD Term Stn, Holyrood	TRF Upgd HRDT6 2012, Rplc Rads	59,856
11/19/2012	Terminal Stations	DLS Term Stn, Doyles	BREAKER B1L15, DLS TS	296,206
12/10/2012	Terminal Stations	BBK Bottom Brook	CT, T2, CPH, BBK TS	-
12/13/2012	Transmission	SVL TL 215, DLS to PAB	TL-215 Replace Guy Wire	256,039
12/21/2012	Terminal Stations	HRD Term Stn, Holyrood	HV ARRESTORS, T6, HRDTS	17,346
			LV ARRESTORS, T6, HRDTS	13,877
7/26/2013	Transmission	SVL TL 215, DLS to PAB	TL-215 Replace Guy Wires	286,721

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In-Service Date	Function	Macro Asset	Asset Name	Capital Cost
8/26/2013	Transmission	SVL TL 214, BBK to DLS	TL-214 WPLM Inspections 2013	12,751
		WHB TL 219, SSD to SPT	TL-219, WPLM Inspections 2013	76,504
11/22/2013	Terminal Stations	HRD Term Stn, Holyrood	TRF Upgrade T7, HRDTS (2013)	19,340
		WAV Term Stn, Westerm Avalon	Bushing H1,T1,WAV TS (Install)	19,340
			Bushing H2,T1,WAV TS (Install)	19,340
			Bushing H3,T1,WAV TS (Install)	19,340
12/2/2013	Terminal Stations	BBK Bottom Brook	BREAKER,L400T2,BBK TS	79,892
		DLS Term Stn, Doyles	B1L15 UPGRADE, DLS TS	33,894
12/10/2013	Terminal Stations	DLS Term Stn, Doyles	PT TL 215 B PH,DLS TS	57,682
12/31/2013	Terminal Stations	GBA Term Stn, Grand Bay	Grounding Upgrade,GBA TS(2013)	4,564
5/20/2014	Terminal Stations	HRD Term Stn, Holyrood	LV ARRESTORS, T7, HRD TS	13,796
9/15/2014	Transmission	SVL TL 215, DLS to PAB	TL-215, Replace Guy Wire	476,712
11/7/2014	Terminal Stations	DLS Term Stn, Doyles	125VDC Battery Bank	39,486
12/4/2014	Terminal Stations	HRD Term Stn, Holyrood	HRDTS,B15T7 Insulators	5,495
		WAV Term Stn, Westerm Avalon	WAV B3T4	7,768
	TS Export	HRD Term Stn, Holyrood	HRDTS Insulator Repl	32,743
12/15/2014	Terminal Stations	HRD Term Stn, Holyrood	HRD 39L PT B PHASE - 138kV	24,000
12/18/2014	Terminal Stations	HRD Term Stn, Holyrood	PT B15 B PH, HRD TS	24,700
12/23/2014	Terminal Stations	HRD Term Stn, Holyrood	HRDTS,B8T6,INSULATORS	2,922
12/31/2014	Terminal Stations	DLS Term Stn, Doyles	TRF Upgrade T1, DLS TS (2014)	17,084
6/1/2015	Terminal Stations	SSD Term Stn, Sunnyside	PT 109L A PH,SSD TS	57,356
			PT 109L B PH,SSD TS	57,356
8/20/2015	Transmission	WHB TL 219, SSD to SPT	TL-219, WPLM Refurbishment	15,292
12/31/2015	Terminal Stations	WAV Term Stn, Westerm Avalon	PT B2 A PH,WAV TS	28,678
			PT B2 C PH,WAV TS	28,678
			T1 HV Arrestors 3 Phases	17,888
			T1 LV Arrestors 3 Phases	10,657
8/15/2016	Terminal Stations	BBK Bottom Brook	BREAKER,L400T2,BBK TS	450,036
11/10/2016	Thermal Generation	HRD Term Stn, Holyrood	Arrester HV, T3, A ph, HRD TS	8,110
11/26/2016	Terminal Stations	DLS Term Stn, Doyles	TRF Upgrade T1, DLS TS (2015)	8,281
		WAV Term Stn, Westerm Avalon	TRF Upgrade T1, WAV TS (2015)	14,196
12/15/2016	Transmission	WHB TL 219, SSD to SPT	TL-219,WPLM 2016 Inspections	63,601
9/1/2017	Terminal Stations	HRD Term Stn, Holyrood	Upgrade Terminal Station Protection and Control	1,703,700
12/1/2017	Terminal Stations	BIF Bishops Falls Regional	Replace Instrument Transformers	184,186
			Replace Surge Arrestors - Various Sites	30,357
			Upgrade Circuit Breakers - 2017	1,398,949
12/1/2018	Terminal Stations	BIF Bishops Falls Regional	Replace Disconnects - Various Sites	1,321,376
			Replace Instrument Transformers - Various Sites	178,755
			Replace Protective Relays - Various Sites	519,086
			Replace Surge Arrestors - Various	110,553
			Upgrade Power Transformers - Various Sites	827,387
11/1/2019	Terminal Stations	BBK Bottom Brook	Reclosing CBs Various	233,200
12/1/2019	Terminal Stations	BIF Bishops Falls Regional	Replace Disconnect Switches - Various	541,784
			Replace Instrument Transformers (2018)	144,437
			Replace Protective Relays 2018 Various	884,100
			Replace Surge Arrestors - Various	117,432
			Upgrade Circuit Breakers - 2019	983,072
			Upgrade Power Transformers 2018-2019	539,193
Grand Total				46,610,474