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February 11, 2021

Ms. Marija Tresoglavic
 Acting Commission Secretary and Manager
 Regulatory Support
 British Columbia Utilities Commission
 Suite 410, 900 Howe Street
 Vancouver, BC V6Z 2N3

Dear Ms. Tresoglavic:

**RE: British Columbia Utilities Commission (BCUC or Commission)
 British Columbia Hydro and Power Authority (BC Hydro)
 Fiscal 2020 Fully Allocated Cost of Service (FACOS) Study**

BC Hydro writes to file, attached as Appendix A to this letter, its F2020 FACOS study reflecting fiscal 2020 actual results pursuant to Commission Directive No. 2 of the 2007 Rate Design Application (**2007 RDA**) Decision (page 206).¹

This compliance filing uses the same methodology as the fiscal 2016, fiscal 2017, fiscal 2018 and fiscal 2019 FACOS studies. The F2019 study was filed with BCUC on May 13, 2020.

The table below shows Revenue-to-Cost (R/C) ratios for all rate classes in fiscal 2020, as compared to the results since fiscal 2016, and the percentages of energy consumption of individual rate classes in fiscal 2020.

Rate Class	Revenue to Cost Ratios						Percentage of Energy at Customer Meter in F2020 (%)
	F2016 Actual (%)	F2017 Actual (%)	F2018 Actual (%)	F2019 Actual (%)	F2020 Actual (%)	Percentage Point Change (F2019 Actual to F2020 Actual) (%)	
Residential	90.8	93.2	93.8	94.6	93.3	-1.3	35.0
GS < 35 Kw	122.6	123.6	121.3	120.9	116.4	-4.5	7.8
MGS	123.5	115.1	114.3	115.1	113.7	-1.4	6.7

¹ https://www.bcuc.com/Documents/Proceedings/2007/DOC_17004_10-26_BCHydro-Rate-Design-Phase-1-Decision.pdf.

	Revenue to Cost Ratios						
LGS	103.9	103.9	102.9	102.4	103.7	1.3	21.9
Irrigation	95.1	89.5	72.0	83.4	77.2	-6.2	0.1
Street Lighting – BC Hydro Owned	183.6	198.4	210.5	211.9	200.2	-11.7	0.1
Street Lighting – Customer Owned	101.8	95.1	92.8	88.4	84.9	-3.5	0.3
Transmission	98.8	95.4	96.1	94.9	99.3	4.4	28.1
Total BC Hydro							100.0

BC Hydro notes the following when comparing FACOS results in fiscal 2020 to the results in fiscal 2019:

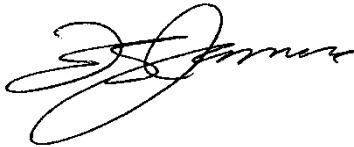
- The R/C ratios for the Residential, MGS, and LGS Class changed by less than 1.5 per cent in fiscal 2020;
- The approximate 4.5 per cent decrease in the R/C ratio for the SGS Class (i.e., GS < 35 Kw) was due to its slight increase of Coincident Peak and Non-Coincident Peak Factors, which are used to allocate demand related cost to customer classes²;
- The R/C ratio for the Irrigation Class decreased 6.2 per cent in fiscal 2020 due to its considerable increase of peak demand in winter months;
- The 11.7 per cent decrease in the R/C Ratio for the Street Lighting – BC Hydro Owned Rate Class in fiscal 2020 was due to the reduction of revenue attributable to attrition of a closed rate RS 1755 and a one-time back billing due to the adjustment of the number of street lights for a customer;
- The approximate 3.5 per cent decrease in the R/C Ratio for the Street Lighting – Customer Owned Rate Class reflects the further revenue reduction caused by the replacement of old technologies with LED energy efficient lights by customers;
- The 4.4 per cent increase in the R/C Ratio for the Transmission Class was due to the additional revenue of RS 1891 (Transmission Service – Shore Power Service), and RS 1893 (Transmission Service -Incremental Energy Rate). RS 1893 is a new rate that started during fiscal 2020.

² “Coincident Peak” is the individual customer class’ demand during the time of system peak demand; “Non-Coincident Peak” is the maximum demand of an individual customer class regardless of time of occurrence.

February 11, 2021
Ms. Marija Tresoglavic
Acting Commission Secretary and Manager
Regulatory Support
British Columbia Utilities Commission
Fiscal 2020 Fully Allocated Cost of Service (FACOS) Study

For further information, please contact Anthea Jubb at 604-623-3545 or by email at bchydroregulatorygroup@bchydro.com.

Yours sincerely,



Fred James
Chief Regulatory Officer

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Enclosure

Copy to: BCUC Project No. 3698781 (2015 RDA) Registered Intervener Distribution List.

F2020 Cost of Service - Actual Cost

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Note: All costs are in \$ X 1 million unless otherwise noted.
Some numbers may not add up due to rounding.

**F2020 Cost of Service - Actual Cost
Functionalization Details**

Revenue Requirement Schedule (F2020 Actual)¹

Cost of Energy	F2020 Revenue				Customer Care
	Requirement	Generation	Transmission	Distribution	
Sched 4, L22	Water Rentals	331.6	0.0	0.0	0.0
Sched 4, L24	Natural gas for thermal generation	7.1	7.1	0.0	0.0
Sched 4, L25	Domestic Transmission (Heritage)	24.8	0.0	24.8	0.0
Sched 4, L26	Non-treaty storage and Libby Coordination agreements	37.7	37.7	0.0	0.0
Sched 4, L27	Remissions and Other	-42.4	-42.4	0.0	0.0
Sched 4, L41	HDA Additions	82.4	82.4	0.0	0.0
Sched 4, L43	Deferred Operating HDA	-1.4	-1.4	0.0	0.0
Sched 4, L49	HDA Recoveries	-280.6	-280.6	0.0	0.0
Sched 14, L 21	Total IPPs and Long-term Commitment	1,451.7	1,451.7	0.0	0.0
Sched 4, L30	Reduction of COE due to transactions under an energo supply contract under IPP ²	-5.4	-5.4	0.0	0.0
Sched 4, L31	NIA Generation	31.3	31.3	0.0	0.0
Sched 4, L32	Gas & Other Transportation	4.5	4.5	0.0	0.0
Sched 4, L33	Water Rentals (Waneta 2/3)	3.3	3.3	0.0	0.0
Sched 4, L42	NHDA Additions	-100.1	-100.1	0.0	0.0
Sched 4, L44	Deferred Operating NHDA	0.0	0.0	0.0	0.0
Sched 4, L45	Deferred Amortization NHDA	0.4	0.4	0.0	0.0
Sched 4, L46	Deferred Taxes NHDA	0.0	0.0	0.0	0.0
Sched 4, L47	Deferred Provision NHDA	0.0	0.0	0.0	0.0
Sched 4, L48	Deferred Waneta 1/3 Costs	0.0	0.0	0.0	0.0
Sched 4, L50	NHDA Recoveries	40.9	40.9	0.0	0.0
Sched 4, L34	Market Electricity Purchases	133.1	133.1	0.0	0.0
Sched 4, L35	Surplus Sales	-1.0	-1.0	0.0	0.0
Sched 4, L36	Net purchases (sales) from Powerex	-35.2	-35.2	0.0	0.0
Sched 4, L37	Domestic Transmission -Export (Market Energy)	2.0	2.0	0.0	0.0
Total		1,884.8	1,850.0	24.8	0.0
OM & A Expenses					
Sched 5.0, L111	Intergated Planning	432.2	132.7	148.0	150.0
Sched 5.0, L112	Capital Infrastructure Project Delivery	111.6	57.0	37.9	13.6
Sched 5.0, L113	Operations	318.3	70.2	77.4	164.0
Sched 5.0, L114	Safety	55.2	15.8	15.8	17.2
Sched 5.0, L117	Finance, Technology, Supply Chain	289.5	75.3	76.2	87.1
Sched 5.0, L118	People, Customer, Corporate Affairs	150.2	15.1	14.8	16.0
Sched 5.0, L117	Other	-10.4	-3.0	-3.0	-3.2
Sched 5.0, L120 (Sched 3.13, L31)	Non-Current PEB - Pension	56.8	16.2	16.3	17.7
Sched 5.0, L121	PEB Current Pension Costs	-0.9	-0.2	-0.3	-0.3
Total		1,382.6	379.1	384.1	462.1
Depreciation & Amortization					
Sched 7.0, L1	Amortization of Capital Assets - Generation	262.7	262.7	0.0	0.0
Sched 7.0, L2	Amortization of Capital Assets - Transmission	229.2	0.0	229.2	0.0
Sched 7.0, L3	Amortization of Capital Assets - Distribution	207.3	0.0	0.0	207.3
Sched 7.0, L4	Amortization of Capital Assets - Business Support	186.6	39.2	121.3	26.1
Sched 7.0, L13	Amortization - Other Leases	2.6	0.7	0.8	0.8
Sched 7.0, L14, L18	Deferral Account Additions - Transfers to NHDA	0.0	0.0	0.0	0.0
Sched 7.0, L19	Transfer to Regulatory Account - Amortization on Additions Variance	0.4	0.1	0.1	0.1
Sched 7.0, L22 - L25	Regulatory Account Recoveries - DSM Amortization	103.3	93.0	5.2	5.2
Sched 7.0, L31	Pre-1996 CIAC Amortization	5.1	0.0	0.0	5.1
Sched 7.0, L32	Capital Additions Regulatory Account - Business Support	9.7	2.0	6.3	1.4
Total		1,007.0	397.7	362.9	246.0
Taxes					
Sched 6, L24	Generation	44.2	44.2	0.0	0.0
Sched 6, L25	Transmission	158.4	0.0	158.4	0.0
Sched 6, L26	Distribution	28.6	0.0	0.0	28.6
Sched 6, L27 minus L10	Customer Care	0.9	0.0	0.0	0.9
Sched 6, L28	Business Support	17.7	3.4	12.1	2.2
Total		249.7	47.6	170.5	30.7
Finance Charges					
Sched 8,	Generation	371.0	371.0	0.0	0.0
Sched 8,	Transmission	265.2	0.0	265.2	0.0
Sched 8,	Distribution	166.8	0.0	0.0	166.8
Sched 8, L21	Total Finance Charge Regulatory Acct. Additions	-0.9	-0.7	-0.1	-0.2
Sched 8, L22	Site C Protect (FRS 14 IDC Impact)	1.9	1.4	0.1	0.4
Sched 8, L23	Interest on Deferral Accounts	15.9	11.5	1.1	3.3
Sched 8, L24	Interest on Other Reg Accounts	-32.6	-23.5	-2.3	-6.8
Sched 8, L31	Regulatory Account Recoveries	-100.3	-46.3	-33.1	-20.8
Total		687.0	313.3	231.0	142.7
Allowed Net Income (return on equity)					
Sched 9, L41 - L44	Total ROE	704.9	325.6	232.8	146.4
Total		704.9	325.6	232.8	146.4
Miscellaneous Revenues					
Sched 15, L1	Amortization of Contributions (Generation)	-0.3	-0.3	0.0	0.0
Sched 15, L2	Other (Generation)	-2.2	-2.2	0.0	0.0
Sched 15, L4	External OATT (Transmission)	-10.7	0.0	-10.7	0.0
Sched 15, L5	FortisBC Wheeling Agreement (Transmission)	-5.2	0.0	-5.2	0.0
Sched 15, L6	Secondary Revenue (Transmission)	-7.1	0.0	-7.1	0.0
Sched 15, L7	Interconnections (Transmission)	-6.4	0.0	-6.4	0.0
Sched 15, L8	Amortization of Contributions (Transmission)	-14.6	0.0	-14.6	0.0
Sched 15, L9	NLT Supplemental Charge (Transmission)	-2.3	0.0	-2.3	0.0
Sched 15, L11	Secondary Use Revenue & Other (Distribution)	-17.0	0.0	0.0	-17.0
Sched 15, L12	Amortization of Contributions (Distribution)	-49.1	0.0	0.0	-49.1
Sched 15, L14	Meter/Trans Rents & Power Factor Surcharges (Customer Care)	-16.1	0.0	0.0	-16.1
Sched 15, L16	Smart Metering & Infrastructure Impact (Customer Care)	-2.2	0.0	0.0	-2.2
Sched 15, L16	Diversation Net Recoveries (Customer Care)	-0.2	0.0	0.0	-0.2
Sched 15, L17	Other Operating Recoveries (Customer Care)	-4.1	0.0	0.0	-4.1
Sched 15, L18	Customer Crisis Fund Rider Revenue (Customer Care)	-4.4	0.0	0.0	-4.4
Sched 15, L19	Other (Customer Care)	-3.1	0.0	0.0	-3.1
Sched 15, L20	Waneta Lease revenue from Teck (Customer Care)	-75.2	0.0	0.0	-75.2
Sched 15, L21	Waneta 2/3 Teck portion of operating costs (Customer Care)	-5.4	0.0	0.0	-5.4
Sched 15, L22	Waneta 2/3 Teck portion of water rentals (Customer Care)	-3.3	0.0	0.0	-3.3
Sched 15, L23	Waneta 2/3 Teck portion of property taxes (Customer Care)	-0.9	0.0	0.0	-0.9
Sched 15, L26	Corporate General Rents (Business Support)	-3.9	-1.1	-1.1	-1.2
Sched 15, L27	Late Payment Charges (Business Support)	-7.1	-2.0	-2.0	-2.2
Sched 15, L28	MMBU Secondary Revenue (Business Support)	-3.9	-1.1	-1.1	-1.2
Sched 15, L29	Other (Business Support)	-1.4	-0.4	-0.4	-0.4
Total		-246.0	-7.2	-51.1	-71.1
Revenue Offsets & Other					
Sched 3.1, L14, L15; Sched 3.4, L18, L19	Total Inter-Segment Revenue	-72.0	-0.6	-70.5	-0.6
Sched 1.0, L17; Sched 2.1, L16, L18	Powerex Net Current Income	-284.8	-284.8	0.0	0.0
Sched 3.0, L64	Powertech Net Income	-3.4	-3.4	0.0	0.0
Sched 3.0, L65	Other Utilities Revenue	-29.7	-29.7	0.0	0.0
Sched 3.0, L66	Liquified Natural Gas Revenue	-1.3	-1.3	0.0	0.0
Sched 3.0, L67	Deferred Account Rate Rider Revenue	-0.2	-0.2	0.0	0.0
Sched 3.2, L9	GRTA Allocation	0	43.3	-43.3	0.0
Sched 3.2, L10	Generation Real Time Dispatch	0	2.4	-2.4	0.0
Sched 3.4, L10	Distribution Real Time Dispatch	0	0.0	-20.8	20.8
Sched 3.4, L11	SDA Allocation to Distribution	0	0.0	-127.0	127.0
Sched 3.4, L12	PTP Allocation to Distribution	0	0.0	-23.9	23.9
Sched 3.2, L11	Generation Ancillary Services	0	-2.1	2.1	0.0
Sched 3.2, L12	Generation Capitalized Overhead	0	-6.7	2.7	2.9
Sched 3.4, L14	Transmission Capitalized Overhead	0	4.6	-11.5	5.0
Sched 3.5, L11	Distribution Capitalized Overhead	0	13.0	13.1	-31.3
Sched 3.1, L9 - L11	Generation RSRA Write-off	0	0.0	0.0	0.0
Sched 3.2, L14	Waneta 2/3 Lease revenue from Teck	0	-75.2	0.0	0.0
Sched 3.2, L15	Adj to align with prior approved RRA	0	0.0	0.0	0.0
Total		-391.3	-340.7	-281.4	147.6
Total Revenue Requirement		5,078.6	2,775.5	1,073.5	1,104.4
					125.2

1. As included in Attachment A to Revised Financial Schedules of BC Hydro Fiscal 2020 to Fiscal 2021 Revenue Requirements Application dated December 1, 2020.

2. The difference of total revenue requirement between Cost of Service Study and Fiscal 2020 to Fiscal 2021 Revenue Requirements Application is due to the non-cash transactions under an energy supply contract which allowed an IPP customer to borrow and return water to BC Hydro. This revenue offset the cost of energy in Cost of Service.

Classification of Generation Function
(Functionalized Costs from Schedule 1.0)

	Functionalized Costs	Demand Related	Energy Related	Demand Costs	Energy Costs
Cost of Energy					
Water Rentals	331.6	10.0%	90.0%	33.2	298.4
Natural gas for thermal generation	7.1	0.0%	100.0%	0.0	7.1
Domestic Transmission (Heritage)	0.0	100.0%	0.0%	0.0	0.0
Non-treaty storage and Libby Coordination agreements	37.7	0.0%	100.0%	0.0	37.7
Remissions and Other	-42.4	0.0%	100.0%	0.0	-42.4
HDA Additions	82.4	7.1%	92.9%	5.9	76.5
Deferred Operating HDA	-1.4	7.1%	92.9%	-0.1	-1.3
HDA Recoveries	-280.6	7.1%	92.9%	-20.0	-260.6
Total IPPs and Long-term Commitment	1451.7	7.0%	93.0%	101.6	1350.1
Reduction of COE due to transactions under an energy supply contract under IPP	-5.4	7.0%	93.0%	-0.4	-5.0
NIA Generation	31.3	0.0%	100.0%	0.0	31.3
Gas & Other Transportation	4.5	0.0%	100.0%	0.0	4.5
Water Rentals (Waneta 2/3)	3.3	10.0%	90.0%	0.3	3.0
NHDA Additions	-100.1	7.1%	92.9%	-7.1	-93.0
Deferred Operating NHDA	0.0	7.1%	92.9%	0.0	0.0
Deferred Amortization NHDA	0.4	7.1%	92.9%	0.0	0.3
Deferred Taxes NHDA	0.0	7.1%	92.9%	0.0	0.0
Deferred Provision NHDA	0.0	7.1%	92.9%	0.0	0.0
Deferred Waneta 1/3 Costs	0.0	7.1%	92.9%	0.0	0.0
NHDA Recoveries	40.9	7.1%	92.9%	2.9	37.9
Market Electricity Purchases	133.1	0.0%	100.0%	0.0	133.1
Surplus Sales	-1.0	0.0%	100.0%	0.0	-1.0
Net purchases (sales) from Powerex	-35.2	0.0%	100.0%	0.0	-35.2
Domestic Transmission -Export (Market Energy)	2.0	100.0%	0.0%	2.0	0.0
Total	1,660.0	7.1%	92.9%	118.3	1,541.7
O M & A Expenses					
Integrated Planning	132.7	55.0%	45.0%	73.0	59.7
Capital Infrastructure Project Delivery	57.0	55.0%	45.0%	31.4	25.7
Operations	56.7	55.0%	45.0%	31.2	25.5
Burrard	5.4	100.0%	0.0%	5.4	-
Fort Nelson	7.4	28.0%	74.0%	1.9	5.5
Prince Rupert	0.7	40.0%	60.0%	0.3	0.4
Thermal Generation	13.5	56.1%	43.9%	7.6	5.9
Safety	15.8	55.0%	45.0%	8.7	7.1
Finance, Technology, Supply Chain	75.3	55.0%	45.0%	41.4	33.9
People, Customer, Corporate Affairs	15.1	55.0%	45.0%	8.3	6.8
Other	(3.0)	55.0%	45.0%	(1.6)	(1.3)
Non-Current PEB - Pension	16.2	55.0%	45.0%	8.9	7.3
PEB Current Pension Costs	(0.2)	55.0%	45.0%	(0.1)	(0.1)
Total	379.1			208.6	170.4
Depreciation & Amortization					
Generation	262.7	55.0%	45.0%	144.5	118.2
Transmission	-	55.0%	45.0%	-	-
Distribution	-	55.0%	45.0%	-	-
Business Support	39.2	55.0%	45.0%	21.6	17.6
Amortization - Other Leases	0.7	55.0%	45.0%	0.4	0.3
Transfer to Regulatory Account - Amortization on Additions Variance	0.1	55.0%	45.0%	0.1	0.1
Regulatory Account Recoveries - DSM Amortization	93.0	28.1%	71.9%	26.1	66.9
Pre-1996 CIAC Amortization	-	55.0%	45.0%	-	-
Capital Additions Regulatory Account - Business Support	2.0	55.0%	45.0%	1.1	0.9
Total	397.7			193.7	204.0
Taxes					
Generation	44.2	55.0%	45.0%	24.3	19.9
Transmission	-	55.0%	45.0%	-	-
Distribution	-	55.0%	45.0%	-	-
Customer Care	-	55.0%	45.0%	-	-
Business Support	3.4	55.0%	45.0%	1.9	1.5
Total	47.6			26.2	21.4
Finance Charges					
Generation	371.0	55.0%	45.0%	204.0	166.9
Transmission	-	55.0%	45.0%	-	-
Distribution	-	55.0%	45.0%	-	-
Total Finance Charge Regulatory Acct. Additions	(0.7)	55.0%	45.0%	(0.4)	(0.3)
Site C Project (IFRS 14 IDC Impact)	1.4	55.0%	45.0%	0.7	0.6
Interest on Deferral Accounts	11.5	7.1%	92.9%	0.8	10.7
Interest on Other Reg Accounts	(23.5)	55.0%	45.0%	(12.9)	(10.6)
Regulatory Account Recoveries	(46.3)	55.0%	45.0%	(25.5)	(20.9)
Total	313.3			166.8	146.5
Allowed Net Income					
Generation	325.6	55.0%	45.0%	179.1	146.5
Total	325.6			179.1	146.5
Miscellaneous Revenues					
Amortization of Contributions	(0.3)	55.0%	45.0%	(0.2)	(0.1)
Other	(2.2)	55.0%	45.0%	(1.2)	(1.0)
External OATT	-	55.0%	45.0%	-	-
FortisBC Wheeling Agreement	-	55.0%	45.0%	-	-
Secondary Revenue	-	55.0%	45.0%	-	-
Interconnections	-	55.0%	45.0%	-	-
Amortization of Contributions	-	55.0%	45.0%	-	-
NTL Supplemental Charge	-	55.0%	45.0%	-	-
Secondary Use Revenue & Other	-	55.0%	45.0%	-	-
Amortization of Contributions	-	55.0%	45.0%	-	-
Meter/Trans Rents & Power Factor Surcharges	-	55.0%	45.0%	-	-
Smart Metering & Infrastructure Impact	-	55.0%	45.0%	-	-
Diversion Net Recoveries	-	55.0%	45.0%	-	-
Other Operating Recoveries	-	55.0%	45.0%	-	-
Customer Crisis Fund Rider Revenue	-	55.0%	45.0%	-	-
Other	-	55.0%	45.0%	-	-
Waneta Lease revenue from Teck	-	55.0%	45.0%	-	-
Waneta 2/3 Teck portion of operating costs	-	55.0%	45.0%	-	-
Waneta 2/3 Teck portion of water rentals	-	55.0%	45.0%	-	-
Waneta 2/3 Teck portion of property taxes	-	55.0%	45.0%	-	-
Corporate General Rents	(1.1)	55.0%	45.0%	(0.6)	(0.5)
Late Payment Charges	(2.0)	55.0%	45.0%	(1.1)	(0.9)
MMBU Secondary Revenue	(1.1)	55.0%	45.0%	(0.6)	(0.5)
Other	(0.4)	55.0%	45.0%	(0.2)	(0.2)
Total	(7.2)			(3.9)	(3.2)
Revenue Offsets & Other					
Total Inter-Segment Revenue	(0.6)	55.0%	45.0%	(0.32)	(0.26)
Powerex Net Income	(284.8)	28.1%	71.9%	(80.01)	(204.76)
PowerTech Net Income	(3.4)	28.1%	71.9%	(0.96)	(2.45)
Other Utilities Revenue	(29.7)	55.0%	45.0%	(16.34)	(13.37)
liquefied Natural Gas Revenue	(1.3)	0.0%	100.0%	-	(1.26)
Deferral Rider Revenue	(0.2)	7.1%	92.9%	(0.02)	(0.20)
GRTA Allocation	43.3	55.0%	45.0%	23.82	19.49
Generation Real Time Dispatch	2.4	55.0%	45.0%	1.31	1.07
Distribution Real Time Dispatch	-	55.0%	45.0%	-	-
SDA Allocation to Distribution	-	55.0%	45.0%	-	-
PTP Allocation to Distribution	-	55.0%	45.0%	-	-
Generation Ancillary Services	(2.1)	55.0%	45.0%	(1.15)	(0.94)
Generation Capitalized Overhead	(6.7)	55.0%	45.0%	(3.68)	(3.01)
Transmission Capitalized Overhead	4.6	55.0%	45.0%	2.53	2.07
Distribution Capitalized Overhead	13.0	55.0%	45.0%	7.12	5.83
Generation RSRA Write-off	-	55.0%	45.0%	-	-
Waneta 2/3 Lease revenue form Teck	(75.2)	55.0%	45.0%	(41.36)	(33.84)
Adj to align with prior approved RRA	-	55.0%	45.0%	-	-
Total	(340.7)			(109.1)	(231.6)
Total Generation Costs	2,775.5	28.1%	71.9%	779.8	1,995.7

Classification of Transmission Function
(Functionalized Costs from Schedule 1.0)

	Functionalized Costs	Demand Related	Demand Costs
Cost of Energy			
Water Rentals	-	100%	-
Natural gas for thermal generation	-	100%	-
Domestic Transmission (Heritage)	24.8	100%	24.8
Non-treaty storage and Libby Coordination agreements	-	100%	-
Remissions and Other	-	100%	-
HDA Additions	-	100%	-
Deferred Operating HDA	-	100%	-
HDA Recoveries	-	100%	-
Total IFPs and long-term Commitment	-	100%	-
NIA Generation	-	100%	-
Gas & Other Transportation	-	100%	-
Water Rentals (Waneta 2/3)	-	100%	-
NHDA Additions	-	100%	-
Deferred Operating NHDA	-	100%	-
Deferred Amortization NHDA	-	100%	-
Deferred Taxes NHDA	-	100%	-
Deferred Provision NHDA	-	100%	-
Deferred Waneta 1/3 Costs	-	100%	-
NHDA Recoveries	-	100%	-
Market Electricity Purchases	-	100%	-
Surplus Sales	-	100%	-
Net purchases (sales) from Powerex	-	100%	-
Domestic Transmission -Export (Market Energy)	-	100%	-
Total	24.8		24.8
O M & A Expenses			
Intergrated Planning	149.0	100%	149.0
Capital Infrastructure Project Delivery	37.9	100%	37.9
Operations	77.4	100%	77.4
Safety	15.8	100%	15.8
Finance, Technology, Supply Chain	76.2	100%	76.2
People, Customer, Corporate Affairs	14.8	100%	14.8
Other	3.5	100%	3.5
Non-Current PEB - Pension	0.2	100%	0.2
PEB Current Pension Costs	9.4	100%	9.4
Total	384.1		384.1
Depreciation & Amortization			
Generation	-	100%	-
Transmission	229.2	100%	229.2
Distribution	-	100%	-
Business Support	121.3	100%	121.3
Amortization - Other Leases	0.7	100%	0.7
Transfer to Regulatory Account - Amortization on Additions Variance	0.1	100%	0.1
Regulatory Account Recoveries - DSM Amortization	5.2	100%	5.2
Pre-1996 CIAC Amortization	-	100%	-
Capital Additions Regulatory Account - Business Support	6.3	100%	6.3
Total	362.9		362.9
Taxes			
Generation	-	100%	-
Transmission	158.4	100%	158.4
Distribution	-	100%	-
Customer Care	-	100%	-
Business Support	12.1	100%	12.1
Total	170.5		170.5
Finance Charges			
Generation	-	100%	-
Transmission	265.2	100%	265.2
Distribution	-	100%	-
Total Finance Charge Regulatory Acct. Additions	(0.1)	100%	(0.1)
Site C Project (IFRS 14 IDC impact)	0.1	100%	0.1
Interest on Deferral Accounts	1.1	100%	1.1
Interest on Other Reg Accounts	(2.3)	100%	(2.3)
Regulatory Account Recoveries	(33.1)	100%	(33.1)
Total	231.0		231.0
Allowed Net Income			
Transmission	232.8	100%	232.8
Total	232.8		232.8
Miscellaneous Revenues			
Amortization of Contributions	-	100%	-
Other	-	100%	-
External OATT	(10.7)	100%	(10.7)
FortisBC Wheeling Agreement	(5.2)	100%	(5.2)
Secondary Revenue	(7.1)	100%	(7.1)
Interconnections	(6.4)	100%	(6.4)
Amortization of Contributions	(14.6)	100%	(14.6)
NTL Supplemental Charge	(2.3)	100%	(2.3)
Secondary Use Revenue & Other	-	100%	-
Amortization of Contributions	-	100%	-
Meter/Trans Rents & Power Factor Surcharges	-	100%	-
Smart Metering & Infrastructure Impact	-	100%	-
Diversion Net Recoveries	-	100%	-
Other Operating Recoveries	-	100%	-
Customer Crisis Fund Rider Revenue	-	100%	-
Other	-	100%	-
Waneta Lease revenue from Teck	-	100%	-
Waneta 2/3Teck portion of operating costs	-	100%	-
Waneta 2/3Teck portion of water rentals	-	100%	-
Waneta 2/3 Teck portion of property taxes	-	100%	-
Corporate General Rents	(1.1)	100%	(1.1)
Late Payment Charges	(2.0)	100%	(2.0)
MMBU Secondary Revenue	(1.1)	100%	(1.1)
Other	(0.4)	100%	(0.4)
Total	(51.1)		(51.1)
Revenue Offsets & Other			
Total Inter-Segment Revenue	(70.5)	100%	(70.5)
Powerex Net Income	-	100%	-
Powerex Net Income	-	100%	-
Other Utilities Revenue	-	100%	-
liquefied Natural Gas Revenue	-	100%	-
Deferral Rider Revenue	-	100%	-
GRTA Allocation	(43.3)	100%	(43.3)
Generation Real Time Dispatch	(2.4)	100%	(2.4)
Distribution Real Time Dispatch	(20.8)	100%	(20.8)
SDA Allocation to Distribution	(127.0)	100%	(127.0)
PTP Allocation to Distribution	(23.9)	100%	(23.9)
Generation Ancillary Services	2.1	100%	2.1
Generation Capitalized Overhead	2.7	100%	2.7
Transmission Capitalized Overhead	(11.5)	100%	(11.5)
Distribution Capitalized Overhead	13.1	100%	13.1
Generation RSRA Write-off	-	100%	-
Waneta 2/3 Lease revenue form Teck	-	100%	-
Adj to align with prior approved RRA	-	100%	-
Total	(281.4)		(281.4)
Total Transmission Costs	1,073.5		1,073.5

Classification of Distribution Function
(Functionalized Costs from Schedule 1.0)

	Functionalized Costs	Demand Related	Customer Related	SMI Energy Related	Streetlighting Costs (Direct Assigned)	Demand Costs	Customer Costs
Cost of Energy							
Water Rentals	-	-	-	-	-	-	-
Natural gas for thermal generation	-	-	-	-	-	-	-
Domestic Transmission (Heritage)	-	-	-	-	-	-	-
Non-treaty storage and Libby Coordination agreements	-	-	-	-	-	-	-
Remissions and Other	-	-	-	-	-	-	-
HDA Additions	-	-	-	-	-	-	-
Deferred Operating HDA	-	-	-	-	-	-	-
HDA Recoveries	-	-	-	-	-	-	-
Total IPPs and Long-term Commitment	-	-	-	-	-	-	-
NIA Generation	-	-	-	-	-	-	-
Gas & Other Transportation	-	-	-	-	-	-	-
Water Rentals (Waneta 2/3)	-	-	-	-	-	-	-
NHDA Additions	-	-	-	-	-	-	-
Deferred Operating NHDA	-	-	-	-	-	-	-
Deferred Amortization NHDA	-	-	-	-	-	-	-
Deferred Taxes NHDA	-	-	-	-	-	-	-
Deferred Provision NHDA	-	-	-	-	-	-	-
Deferred Waneta 1/3 Costs	-	-	-	-	-	-	-
NHDA Recoveries	-	-	-	-	-	-	-
Market Electricity Purchases	-	-	-	-	-	-	-
Surplus Sales	-	-	-	-	-	-	-
Net purchases (sales) from Powerex	-	-	-	-	-	-	-
Domestic Transmission -Export (Market Energy)	-	-	-	-	-	-	-
O M & A Expenses							
Integrated Planning	150.0	80%	20%		2.0	118.5	29.6
Capital Infrastructure Project Delivery	13.6	80%	20%			10.9	2.7
Operations	164.0	80%	20%			131.2	32.8
Safety	17.2	80%	20%			13.8	3.4
Finance, Technology, Supply Chain	87.1	80%	20%			69.7	17.4
People, Customer, Corporate Affairs	16.0	80%	20%			12.8	3.2
Other	-3.2	80%	20%			(2.6)	(0.6)
Non-Current PEB - Pension	17.7	80%	20%			14.1	3.5
PEB Current Pension Costs	-0.3	80%	20%			(0.2)	(0.1)
Total	462.1				2.0	368.1	92.0
Depreciation & Amortization							
Generation	0.0	80%	20%			-	-
Transmission	0.0	80%	20%			-	-
Distribution	207.3	80%	20%		0.9	165.2	41.3
Business Support	26.1	80%	20%			20.9	5.2
Amortization - Other Leases	0.8	80%	20%			0.7	0.2
Transfer to Regulatory Account - Amortization on Additions Variance	0.1	80%	20%			0.1	0.0
Regulatory Account Recoveries - DSM Amortization	5.2	80%	20%			4.1	1.0
Pre-1996 CIAC Amortization	5.1	80%	20%			4.1	1.0
Capital Additions Regulatory Account - Business Support	1.4	80%	20%			1.1	0.3
Total	246.0				0.9	196.1	49.0
Taxes							
Generation	0.0	80%	20%			-	-
Transmission	0.0	80%	20%			-	-
Distribution	28.6	80%	20%		0.1	22.7	5.7
Customer Care	0.0	80%	20%			-	-
Business Support	2.2	80%	20%			1.7	0.4
Total	30.7				0.1	24.5	6.1
Finance Charges							
Generation	0.0	80%	20%			-	-
Transmission	0.0	80%	20%			-	-
Distribution	166.8	80%	20%		0.7	132.9	33.2
Total Finance Charge Regulatory Acct. Additions	-0.2	80%	20%			(0.2)	(0.0)
Site C Project (IFRS 14 IDC impact)	0.4	80%	20%			0.3	0.1
Interest on Deferral Accounts	3.3	80%	20%			2.7	0.7
Interest on Other Reg Accounts	-6.8	80%	20%			(5.5)	(1.4)
Regulatory Account Recoveries	-20.8	80%	20%			(16.7)	(4.2)
Total	142.7				0.7	113.6	28.4
Allowed Net Income							
Distribution	146.4	80%	20%		0.6	116.6	29.2
Total	146.4				0.6	116.6	29.2
Miscellaneous Revenues							
Amortization of Contributions	0.0	80%	20%			-	-
Other	0.0	80%	20%			-	-
External OATT	0.0	80%	20%			-	-
FortisBC Wheeling Agreement	0.0	80%	20%			-	-
Secondary Revenue	0.0	80%	20%			-	-
Interconnections	0.0	80%	20%			-	-
Amortization of Contributions	0.0	80%	20%			-	-
NTL Supplemental Charge	0.0	80%	20%			-	-
Secondary Use Revenue & Other	-17.0	80%	20%			(13.6)	(3.4)
Amortization of Contributions	-49.1	80%	20%			(39.2)	(9.8)
Meter/Trans Rents & Power Factor Surcharges	0.0	80%	20%			-	-
Smart Metering & Infrastructure Impact	0.0	80%	20%			-	-
Diversion Net Recoveries	0.0	80%	20%			-	-
Other Operating Recoveries	0.0	80%	20%			-	-
Customer Crisis Fund Rider Revenue	0.0	80%	20%			-	-
Other	0.0	80%	20%			-	-
Waneta Lease revenue from Teck	0.0	80%	20%			-	-
Waneta 2/3 Teck portion of operating costs	0.0	80%	20%			-	-
Waneta 2/3 Teck portion of water rentals	0.0	80%	20%			-	-
Waneta 2/3 Teck portion of property taxes	0.0	80%	20%			-	-
Corporate General Rents	-1.2	80%	20%			(1.0)	(0.2)
Late Payment Charges	-2.2	80%	20%			(1.8)	(0.4)
MMBU Secondary Revenue	-1.2	80%	20%			(1.0)	(0.2)
Other	-0.4	80%	20%			(0.3)	(0.1)
Total	-71.1				-	(56.9)	(14.2)
Revenue Offsets & Other							
Total Inter-Segment Revenue	-0.6	80%	20%			(0.5)	(0.1)
Powerex Net Income	0.0	80%	20%			-	-
Powerex Net Income	0.0	80%	20%			-	-
Other Utilities Revenue	0.0	80%	20%			-	-
Liquefied Natural Gas Revenue	0.0	80%	20%			-	-
Deferral Rider Revenue	0.0	80%	20%			-	-
GRTA Allocation	0.0	100%	0%			-	-
Generation Real Time Dispatch	0.0	80%	20%			-	-
Distribution Real Time Dispatch	20.8	80%	20%			16.6	4.2
SDA Allocation to Distribution	127.0	100%	0%			127.0	-
PTP Allocation to Distribution	23.9	80%	20%			19.1	4.8
Generation Ancillary Services	0.0	80%	20%			-	-
Generation Capitalized Overhead	2.9	80%	20%			2.3	0.6
Transmission Capitalized Overhead	5.0	80%	20%			4.0	1.0
Distribution Capitalized Overhead	-31.3	80%	20%			(25.0)	(6.3)
Generation RSRA Write-off	0.0	80%	20%			-	-
Waneta 2/3 Lease revenue from Teck	0.0	80%	20%			-	-
Adj to align with prior approved RRA	0.0	80%	20%			-	-
Total	147.6				-	143.5	4.1
Total Distribution Costs	1104.4	82.0%	17.6%		4.3	905.5	194.6

Classification of Customer Care Function
(Functionalized Costs from Schedule 1.0)

	Functionalized Costs	Demand Related	Customer Related	Demand Costs	Customer Costs
Cost of Energy					
Water Rentals	-	0%	100%	-	-
Natural gas for thermal generation	-	0%	100%	-	-
Domestic Transmission (Heritage)	-	0%	100%	-	-
Non-treaty storage and Libby Coordination agreements	-	0%	100%	-	-
Remissions and Other	-	0%	100%	-	-
HDA Additions	-	0%	100%	-	-
Deferred Operating HDA	-	0%	100%	-	-
HDA Recoveries	-	0%	100%	-	-
Total IPPs and Long-term Commitment	-	0%	100%	-	-
NIA Generation	-	0%	100%	-	-
Gas & Other Transportation	-	0%	100%	-	-
Water Rentals (Waneta 2/3)	-	0%	100%	-	-
NHDA Additions	-	0%	100%	-	-
Deferred Operating NHDA	-	0%	100%	-	-
Deferred Amortization NHDA	-	0%	100%	-	-
Deferred Taxes NHDA	-	0%	100%	-	-
Deferred Provision NHDA	-	0%	100%	-	-
Deferred Waneta 1/3 Costs	-	0%	100%	-	-
NHDA Recoveries	-	0%	100%	-	-
Market Electricity Purchases	-	0%	100%	-	-
Surplus Sales	-	0%	100%	-	-
Net purchases (sales) from Powerex	-	0%	100%	-	-
Domestic Transmission-Export (Market Energy)	-	0%	100%	-	-
Total	-	-	-	-	-
O M & A Expenses					
Integrated Planning	0.5	0%	100%	-	0.5
Capital Infrastructure Project Delivery	3.2	0%	100%	-	3.2
Operations	6.7	0%	100%	-	6.7
Safety	6.4	0%	100%	-	6.4
Finance, Technology, Supply Chain	31.0	0%	100%	-	31.0
People, Customer, Corporate Affairs	104.4	0%	100%	-	104.4
Other	(1.2)	0%	100%	-	(1.2)
Non-Current PEB - Pension	6.6	0%	100%	-	6.6
PEB Current Pension Costs	(0.1)	0%	100%	-	(0.1)
Total	157.4	-	-	-	157.4
Depreciation & Amortization					
Generation	-	0%	100%	-	-
Transmission	-	0%	100%	-	-
Distribution	-	0%	100%	-	-
Business Support	-	0%	100%	-	-
Amortization - Other Leases	0.3	0%	100%	-	0.3
Transfer to Regulatory Account - Amortization on Additions Vari	0.0	0%	100%	-	0.0
Regulatory Account Recoveries - DSM Amortization	-	0%	100%	-	-
Pre-1996 CIAC Amortization	-	0%	100%	-	-
Capital Additions Regulatory Account - Business Support	-	0%	100%	-	-
Total	0.4	-	-	-	0.4
Taxes					
Generation	-	0%	100%	-	-
Transmission	-	0%	100%	-	-
Distribution	-	0%	100%	-	-
Customer Care	0.9	0%	100%	-	0.9
Business Support	0.1	0%	100%	-	0.1
Total	0.9	-	-	-	0.9
Finance Charges					
Generation	-	0%	100%	-	-
Transmission	-	0%	100%	-	-
Distribution	-	0%	100%	-	-
Total Finance Charge Regulatory Acct. Additions	-	0%	100%	-	-
Site C Project (IFRS 14 IDC impact)	-	0%	100%	-	-
Interest on Deferral Accounts	-	0%	100%	-	-
Interest on Other Reg Accounts	-	0%	100%	-	-
Regulatory Account Recoveries	-	0%	100%	-	-
Total	-	-	-	-	-
Allowed Net Income (return on equity)					
Customer Care	-	0%	100%	-	-
Total	-	-	-	-	-
Miscellaneous Revenues					
Amortization of Contributions	-	0%	100%	-	-
Other	-	0%	100%	-	-
External OATT	-	0%	100%	-	-
FortisBC Wheeling Agreement	-	0%	100%	-	-
Secondary Revenue	-	0%	100%	-	-
Interconnections	-	0%	100%	-	-
Amortization of Contributions	-	0%	100%	-	-
NTL Supplemental Charge	-	0%	100%	-	-
Secondary Use Revenue & Other	-	0%	100%	-	-
Amortization of Contributions	-	0%	100%	-	-
Meter/Trans Rents & Power Factor Surcharges	(16.1)	0%	100%	-	(16.1)
Smart Metering & Infrastructure Impact	(2.2)	0%	100%	-	(2.2)
Diversion Net Recoveries	(0.2)	0%	100%	-	(0.2)
Other Operating Recoveries	(4.1)	0%	100%	-	(4.1)
Customer Crisis Fund Rider Revenue	(4.4)	0%	100%	-	(4.4)
Other	(3.1)	0%	100%	-	(3.1)
Waneta Lease revenue from Teck	(75.2)	0%	100%	-	(75.2)
Waneta 2/3Teck portion of operating costs	(5.4)	0%	100%	-	(5.4)
Waneta 2/3Teck portion of water rentals	(3.3)	0%	100%	-	(3.3)
Waneta 2/3 Teck portion of property taxes	(0.9)	0%	100%	-	(0.9)
Corporate General Rents	(0.5)	0%	100%	-	(0.5)
Late Payment Charges	(0.8)	0%	100%	-	(0.8)
MMBU Secondary Revenue	(0.5)	0%	100%	-	(0.5)
Other	(0.2)	0%	100%	-	(0.2)
Total	(116.7)	-	-	-	(116.7)
Revenue Offsets & Other					
Total Inter-Segment Revenue	(0.2)	0%	100%	-	(0.2)
Powerex Net Income	-	0%	100%	-	-
Powertech Net Income	-	0%	100%	-	-
Other Utilities Revenue	-	0%	100%	-	-
Liquefied Natural Gas Revenue	-	0%	100%	-	-
Deferral Rider Revenue	-	0%	100%	-	-
GRTA Allocation	-	0%	100%	-	-
Generation Real Time Dispatch	-	0%	100%	-	-
Distribution Real Time Dispatch	-	0%	100%	-	-
SDA Allocation to Distribution	-	0%	100%	-	-
PTP Allocation to Distribution	-	0%	100%	-	-
Generation Ancillary Services	-	0%	100%	-	-
Generation Capitalized Overhead	1.1	0%	100%	-	1.1
Transmission Capitalized Overhead	1.9	0%	100%	-	1.9
Distribution Capitalized Overhead	5.3	0%	100%	-	5.3
Generation RSRA Write-off	-	0%	100%	-	-
Waneta 2/3 Lease revenue form Teck	75.2	0%	100%	-	75.2
Adj to align with prior approved RRA	-	0%	100%	-	-
Total Customer Care Costs	83.2	0%	100%	-	83.2
Total Customer Care Costs	125.2	-	-	-	125.2

Allocation of Generation Costs

(Classified Costs from Schedule 2.0)

Cost Classification	Generation Demand	Generation Demand-Related Costs	Generation Energy	Generation Energy Related Costs
Allocation Basis	4 CP Demand including losses (Sched 5.1)	779.8	Energy Including Loss (Sched 5.0)	1,995.7
Residential	45.3%	352.9	35.7%	712.3
GS Under 35 kW	8.0%	62.7	7.9%	157.8
MGS < 150 kW	6.3%	49.0	6.8%	136.0
LGS > 150 kW	19.0%	148.0	22.0%	439.3
Irrigation	0.0%	0.1	0.1%	2.9
Street Lighting BCH	0.1%	1.0	0.1%	1.8
Street Lighting Cust	0.4%	3.3	0.3%	6.6
Transmission	20.9%	162.8	27.0%	539.0
Total	100.0%	779.8	100.0%	1995.7

Allocation of Transmission Costs

(Classified Costs from Schedule 2.1)

Cost Classification	Transmission Demand	Demand Related Costs (Sched 2.1)
Allocation Basis	4 CP demand including losses (Sched 5.1)	1,073.5
Residential	45.3%	485.9
GS Under 35 kW	8.0%	86.3
MGS < 150 kW	6.3%	67.5
LGS > 150 kW	19.0%	203.7
Irrigation	0.0%	0.1
Street Lighting BCH	0.1%	1.4
Street Lighting Cust	0.4%	4.6
Transmission	20.9%	224.1
Total	100%	1,073.5

Allocation of Distribution Costs
(Classified Costs from Schedule 2.2)

Cost Classification	Distribution Demand Related	Distribution Demand-Related	Distribution Secondary Demand Related	Distribution Secondary Demand-Related	Distribution Transformer Related	Distribution Transformer Related	Distribution Customer Related	Distribution Customer Related	Distribution Metering Related	Distribution Metering Related	Street Light Customer	Street Light Customer Related
Allocation Basis	NCP (Sched 5.1)	729.8	NCP w/o Primary (Sched 5.1)	75.8	Transformer Allocator (Sched 5.4)	199.8	Customer Count (Sched 5.2)	76.8	Metering Allocator (Sched 5.2)	18.0	Street Light Direct Assignment	4.3
Residential	55.6%	405.9	67.8%	51.4	65.5%	130.9	89.1%	68.4	77.6%	13.9	0.0%	0.0
GS Under 35 kW	10.9%	79.3	13.3%	10.0	16.8%	33.6	9.1%	7.0	15.8%	2.8	0.0%	0.0
MGS < 150 kW	8.5%	61.8	8.2%	6.2	10.7%	21.5	0.8%	0.6	4.4%	0.8	0.0%	0.0
LGS > 150 kW	23.9%	174.1	9.3%	7.0	5.4%	10.8	0.4%	0.3	1.9%	0.3	0.0%	0.0
Irrigation	0.5%	3.5	0.6%	0.4	0.5%	1.1	0.2%	0.1	0.3%	0.0	0.0%	0.0
Street Lighting BCH	0.2%	1.1	0.2%	0.1	0.3%	0.7	0.2%	0.2	0.0%	0.0	100.0%	4.3
Street Lighting Cust	0.6%	4.0	0.7%	0.5	0.7%	1.3	0.3%	0.2	0.0%	0.0	0.0%	0.0
Transmission	0.0%	0.0	0.0%	0.0	0.0%	0.0	0.0%	0.0	0.0%	0.0	0.0%	0.0
Total	100.0%	729.8	100.0%	75.8	100.0%	199.8	100.0%	76.8	100.0%	18.0	100.0%	4.3

Allocation of Customer Care Costs
(Classified Costs from Schedule 2.3)

Cost Classification	Customer Care Demand	Customer Care Demand Related Costs	Customer Care Customer	Customer Care Customer Related Costs
Allocation Basis	NCP Sched 5.1	0.0	Blended Customer Count & Revenue Sched 5.3	125.2
Residential	55.6%	0.0	83.1%	104.1
GS Under 35 kW	10.9%	0.0	9.1%	11.3
MGS < 150 kW	8.5%	0.0	2.3%	2.8
LGS > 150 kW	23.9%	0.0	2.7%	3.3
Irrigation	0.5%	0.0	0.1%	0.1
Street Lighting BCH	0.2%	0.0	0.4%	0.5
Street Lighting Cust	0.6%	0.0	0.6%	0.7
Transmission	0.0%	0.0	1.8%	2.3
Total	100.0%	0.0	100.0%	125.2

Summary of Costs by Functions and Revenue to Cost Ratios

Rate Class	Generation Costs	Transmission Costs	Distribution Costs	Customer Care Costs	Total Cost	Total Revenue	Revenue - Cost (\$ million)	Revenue:Cost Ratios	R/C Ratios last filed (F2019)	R/C Ratio change from last filed
Residential	1,065.2	485.9	670.5	104.1	2,325.7	2,168.8	-156.9	93.3%	94.6%	-1.3%
GS Under 35 kW	220.5	86.3	132.8	11.3	450.9	525.0	74.1	116.4%	120.9%	-4.4%
MGS < 150 kW	185.1	67.5	90.9	2.8	346.2	393.7	47.4	113.7%	115.1%	-1.4%
LGS > 150 kW	587.3	203.7	192.6	3.3	987.0	1,023.3	36.3	103.7%	102.4%	1.3%
Irrigation	2.9	0.1	5.2	0.1	8.3	6.4	-1.9	77.2%	83.4%	-6.2%
Street Lighting BCH	2.8	1.4	6.4	0.5	11.0	22.1	11.1	200.2%	211.9%	-11.8%
Street Lighting Cust	9.9	4.6	6.1	0.7	21.3	18.1	-3.2	84.9%	88.4%	-3.4%
Transmission	701.8	224.1	0.0	2.3	928.2	921.2	-7.0	99.3%	94.9%	4.4%
Total	2,775.5	1,073.5	1,104.4	125.2	5,078.6	5,078.6	0.0	100.0%		

Note: The difference of total revenue requirement between Cost of Service Study and Fiscal 2020 to Fiscal 2021 Revenue Requirements Application is due to the non-cash transactions under an energy supply contract which allowed an IPP customer to borrow and return water to BC Hydro. This revenue offset the cost of energy in Cost of Service.

Summary of Costs by Classification

Rate Class	Energy Related Costs	Generation Demand Related Costs	Transmission Demand Related Costs	Distribution Demand Related Costs	Total Demand Related Costs	Customer Related Costs	Total
Residential	712.3	352.9	485.9	522.8	1,361.6	251.9	2,325.7
GS Under 35 kW	157.8	62.7	86.3	106.2	255.1	37.9	450.9
MGS < 150 kW	136.0	49.0	67.5	78.7	195.2	15.0	346.2
LGS > 150 kW	439.3	148.0	203.7	186.6	538.3	9.4	987.0
Irrigation	2.9	0.1	0.1	4.5	4.7	0.8	8.3
Street Lighting BCH	1.8	1.0	1.4	1.6	4.0	5.3	11.0
Street Lighting Cust	6.6	3.3	4.6	5.2	13.1	1.6	21.3
Transmission	539.0	162.8	224.1	0.0	386.8	2.3	928.2
Total	1,995.7	779.8	1,073.5	905.5	2,758.8	324.1	5,078.6

Percent of Costs by Allocator

Rate Class	Generation Energy (kWh)	Generation & Transmission Demand (4CP)	Distribution Demand (NCP)	Customer (Various)
Residential	31%	36%	22%	11%
GS Under 35 kW	35%	33%	24%	8%
MGS < 150 kW	39%	34%	23%	4%
LGS > 150 kW	45%	36%	19%	1%
Irrigation	34%	2%	54%	9%
Street Lighting BCH	16%	21%	15%	48%
Street Lighting Cust	31%	37%	24%	7%
Transmission	58%	42%	0%	0%
Total	39%	36%	18%	6%

Energy Allocators

Rate Class	Energy @ Customer Meter	Distribution Loss Factor	Energy @ Transmission Interface	Transmission Loss Factor	Energy @ Generation Interface	Energy by Rate Class	Energy at Generator Allocation Factor
	(MWh)		(MWh)		(MWh)		
Residential	17,993,281	6.0%	19,072,878	5.7%	20,154,310	20,154,310	35.7%
GS Under 35 kW	3,986,200	6.0%	4,225,372	5.7%	4,464,950	4,464,950	7.9%
MGS < 150 kW Primary	109,871	3.4%	113,651	5.7%	120,095		
MGS < 150 kW Secondary	3,329,594	6.0%	3,529,370	5.7%	3,729,485		
MGS						3,849,580	6.8%
LGS > 150 kW Primary	6,942,074	3.4%	7,180,881	5.7%	7,588,037		
LGS > 150 kW Secondary	4,323,892	6.0%	4,583,326	5.7%	4,843,200		
LGS						12,431,237	22.0%
Irrigation	72,147	6.0%	76,475	5.7%	80,812	80,812	0.1%
Street Lighting BCH	45,244	6.0%	47,958	5.7%	50,678	50,678	0.1%
Street Lighting Cust	167,184	6.0%	177,215	5.7%	187,263	187,263	0.3%
Transmission	14,433,343	0.0%	14,433,343	5.7%	15,251,714	15,251,714	27.0%
Total	51,402,830		53,440,469		56,470,544	56,470,544	100.0%

Demand Allocators

Rate Class	4 CP	NCP w/o T	NCP w/o Prim
Residential	45.3%	55.6%	67.8%
GS Under 35 kW	8.0%	10.9%	13.3%
MGS < 150 kW	6.3%	8.5%	8.2%
LGS > 150 kW	19.0%	23.9%	9.3%
Irrigation	0.0%	0.5%	0.6%
Street Lighting BCH	0.1%	0.2%	0.2%
Street Lighting Cust	0.4%	0.6%	0.7%
Transmission	20.9%	0.0%	0.0%
Total	100%	100%	100%

F2020 Cost of Service - Actual Cost Allocator by Customer, Bill and Revenue				
Total BC Hydro - F20				
Rate Class	Actual Number of Accounts F20	Annual bills per account	Annual bills per rate class	# of Bills Allocator
Residential	1,863,569	6	11,181,414	87.6%
GS Under 35 kW	189,756	6	1,138,536	8.9%
MGS < 150 kW	17,678	12	212,136	1.7%
LGS > 150 kW	7,629	12	91,548	0.7%
Irrigation	3,286	2	6,572	0.1%
Street Lighting BCH	4,211	12	50,532	0.4%
Street Lighting Cust	6,164	12	73,968	0.6%
Transmission	306	12	3,672	0.0%
Total	2,092,599		12,758,378	100.0%

Rate Class	Actual Number of Accounts F20	Distribution Customer Count	Distribution Customer Allocator
Residential	1,863,569	1,863,569	89.1%
GS Under 35 kW	189,756	189,756	9.1%
MGS < 150 kW	17,678	17,678	0.8%
LGS > 150 kW	7,629	7,629	0.4%
Irrigation	3,286	3,286	0.2%
Street Lighting BCH	4,211	4,211	0.2%
Street Lighting Cust	6,164	6,164	0.3%
Transmission	306	306	0.0%
Total	2,092,599	2,092,599	100.0%

Rate Class	Actual Number of Accounts F20	Distribution Customer Count	Distribution Metering Allocator
Residential	1,863,569	1,863,569	77.6%
GS Under 35 kW	189,756	189,756	15.8%
MGS < 150 kW	17,678	17,678	4.4%
LGS > 150 kW	7,629	7,629	1.9%
Irrigation	3,286	3,286	0.3%
Street Lighting BCH	4,211	4,211	0.0%
Street Lighting Cust	6,164	6,164	0.0%
Transmission	306	306	0.0%
Total	2,092,599	2,092,599	100.0%

Rate Class	Revenue (\$millions)	Revenue Allocator
Residential	\$2,168.8	42.7%
GS Under 35 kW	\$525.0	10.3%
MGS < 150 kW	\$393.7	7.8%
LGS > 150 kW	\$1,023.3	20.1%
Irrigation	\$6.4	0.1%
Street Lighting BCH	\$22.1	0.4%
Street Lighting Cust	\$18.1	0.4%
Transmission	\$921.2	18.1%
Total	\$5,078.6	100.0%

Rate Class	90% # of Bills Allocator	10% Revenue Allocator	Blended Customer Care Allocator
Residential	78.9%	4.3%	83.1%
GS Under 35 kW	8.0%	1.0%	9.1%
MGS < 150 kW	1.5%	0.8%	2.3%
LGS > 150 kW	0.6%	2.0%	2.7%
Irrigation	0.0%	0.0%	0.1%
Street Lighting BCH	0.4%	0.0%	0.4%
Street Lighting Cust	0.5%	0.0%	0.6%
Transmission	0.0%	1.8%	1.8%
Total			100.0%

Distribution Classification by Sub-Functionalization

F20 updated

Sub-Function	F20 Year-End Assets (NBV)	% of assets (excluding Substation)	% of assets without Streetlighting	Demand-related %	Customer-related %	Demand % of Total Costs	Customer % of Total Costs	% of total Demand costs	% of total Customer costs
Primary	3,773.3	61.8%	62.1%	100%	0%	62.1%	0.0%	77.5%	0.0%
Secondary/Services	946.8	15.5%	15.6%	50%	50%	7.8%	7.8%	9.7%	39.1%
Meters	111.6	1.8%	1.8%	0%	100%	0.0%	1.8%	0.0%	9.2%
Transformers	1,248.4	20.4%	20.5%	50%	50%	10.3%	10.3%	12.8%	51.6%
Substation	148.9			100%	0%				
Streetlighting	26.0	0.43%							
Total	6,255.0	100%	100%			80.1%	19.9%	100.0%	100.0%