# BChydro @

Joanna Sofield

Chief Regulatory Officer Phone: (604) 623-4046 Fax: (604) 623-4407

regulatory.group@bchydro.com

January 30, 2008

Ms. Erica M. Hamilton Commission Secretary British Columbia Utilities Commission Sixth Floor – 900 Howe Street Vancouver, BC V6Z 2N3

Dear Ms. Hamilton:

RE: I

**Project 3698455** 

British Columbia Utilities Commission (BCUC)
British Columbia Hydro and Power Authority (BC Hydro)
BC Hydro 2007 Rate Design Application (2007 RDA)

**BCUC Order No. G-10-08 Compliance Filing** 

BC Hydro hereby submits its filing in compliance with BCUC Order No. G-10-08 regarding BC Hydro's 2007 RDA. Attached are revisions to the following appendices from BC Hydro's 2007 RDA:

Appendix A - Cost of Service Model, reflecting the changes discussed below.

Appendix C - Rate Design Model, reflecting the changes discussed below.

Appendix D – Rate Schedules effective April 1, 2008 (tracked and clean versions), reflecting the changes discussed below and marked as original tariff sheets. BC Hydro has only included the tracked version of those tariff pages for which there are changes from the rate schedules included in the Compliance Filing of November 15, 2007 relating to Order No. G-111-07.

**Appendix F – Terms and Conditions effective April 1, 2008** (two versions), reflecting the changes to the distribution extension allowances as discussed below and marked as original tariff sheets.

There were no changes to **Appendix B – F07/F08 Revenue Requirement Schedules** resulting from Order No. G-10-08.

With respect to the cost of service model in Appendix A:

1. In accordance with Paragraph H (a) of Order No. G-10-08 and as shown on Schedule 1.0 of Appendix A, the Power Smart operating costs and related portion of the LoB support costs have been functionalized 90 per cent to generation and 10 per cent to transmission, rather than 100 per cent to distribution. In addition, the generation portion of the reduction in finance charges resulting from the negotiated settlement has been increased from \$5.3 million to \$5.6 million to be consistent with the DSM adjustment for finance charges.

2. In accordance with Paragraph H (b) of Order No. G-10-08 and as shown on Schedule 2.0 of Appendix A, the allocation of Powertech net income has been changed to the allocation of Powertech net income included in BC Hydro's original application.

The resulting revenue to cost ratios, rate increases required to achieve 100 per cent revenue to cost ratios, and rate increases to be effective April 1, 2008 are summarized below:

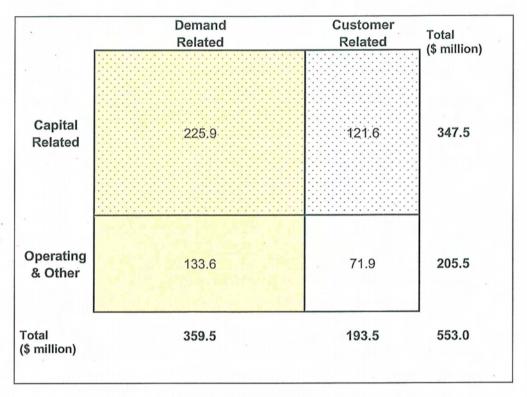
	F2008 Cost of Service \$ million	F2008 Revenue \$ million	Revenue to Cost Ratio %	Increase to Achieve 100% R/C %	Increase Effective April 1, 2008
February 1, 2007 Rates:					
Residential	1,232.4	1,109.9	90.1%	11.0%	3.6%
Gen Serv < 35 kW	234.7	289.4	123.3%	-18.9%	-6.7%
Gen Serv > 35 kW	714.5	762.8	106.8%	-6.3%	-2.2%
Irrigation	5.1	4.3	83.2%	20.2%	6.3%
Street Lights	18.6	23.3	125.0%	-20.0%	-7.2%
Transmission	630.9	646.6	102.5%	-2.4%	-0.8%
Total	2,836.2	2,836.2	100.0%		

With respect to the rate schedules and as shown on Schedule 4.2 of Appendix C, the above changes to the cost of service model result in small changes to the General Service (35 kW and Over) rates and to the Transmission Service rates. All other rate schedules are the same as included in BC Hydro's November 15, 2007 Compliance Filing.

### **Distribution Extension Allowances**

With respect to Paragraph H (c) of Order G-10-08, the following chart depicts the total distribution revenue requirement, calculated in accordance with Orders No. G-111-07 and G-10-08:

As shown in the chart below, the portion of the distribution revenue requirement related to the recovery of capital expenditures (depreciation and return) is \$347.5 million. Since all distribution costs have been classified as 65 per cent demand-related and 35 per cent customer-related, the portion of the capital-related distribution costs that are classified as demand-related is 225.9 = 100 million (65 per cent x 347.5 = 225.9 = 100).



In determining the proposed allowances for distribution extensions in the 2007 RDA, BC Hydro used the demand-related distribution costs (totaling \$359.5 million) allocated to each rate class as a proxy for the component of a customer's total bill that was recovering costs related to distribution property. As the BCUC noted on page 183 of the 2007 RDA Phase I Decision, in argument Terasen Gas Inc. (Terasen) pointed out that the proxy used by BC Hydro included some operating costs and submitted that "the preferable approach is for the allowance to be based on the revenue collected to pay for capital expenditures" (Terasen Argument, paragraph 83). However, it appears to BC Hydro that the BCUC, in Order No. G-10-08, has gone much further than what was proposed by Terasen by requiring BC Hydro's distribution extension allowances to be calculated on the basis of the component of the distribution revenue requirement that is both capital and demand related.

The distribution extension allowances that would result from the use of the total capital-related distribution costs of \$347.5 million and from the 65 per cent demand-related portion of \$225.9 million are as follows:

Residential
Gen Serv < 35 kW
Gen Serv > 35 kW
Irrigation
Street Lights
Total

Total C	Capital-Related	65% of Capital-Relate				
\$ million	\$	\$ million	\$			
231.8	1475 /customer	125.4	800 /customer			
36.5	200 /kW	24.6	200 /kW			
73.4	200 /kW	71.8	200 /kW			
1.5	150 /kW	1.2	125 /kW			
4.3	150 /fixture	2.8	100 /fixture			
347.5		225.9				

BC Hydro does not believe that the use of 65 per cent of the capital-related distribution costs is appropriate, nor supported by the record. BC Hydro notes that the \$800 allowance for residential customers is significantly less than the allowance of

\$1,300 that was proposed by Terasen (based on the amount of investment in distribution poles, conductors and transformers covered in the applicable rate), and far less than the current average allowance of \$1,900. Using the component of the distribution revenue requirement that is both demand and capital related to set BC Hydro's extension allowances will cause a significant increase - more than \$1,000 per connection - to the cost incurred by developers and homeowners for new extensions, compared to the current policy.

If the BCUC intended that the allowances for distribution extensions be based on only 65 per cent of the capital-related distribution costs, then BC Hydro respectfully requests that the BCUC accept this letter as a request for reconsideration of the method of calculating the allowances for distribution extensions. In the meantime, Appendix F contains a version of the Terms and Conditions that includes allowances that would result from the use of the 65 per cent portion of the capital-related distribution costs, for filing as original tariff sheets.

While Order No. G-10-08 seems to require the objectionable treatment described above, the radical change to BC Hydro's extension allowances that would result from it, and the fact that no intervenor advocated for such an approach or put any evidence on the record in support of it, suggests that BC Hydro may have misinterpreted Order No. G-10-08 in this regard. On that assumption, BC Hydro also includes in Appendix F a version of the Terms and Conditions of Service (page 29 only), that would result from the use of the total capital-related distribution costs for filing as original tariff sheets. BC Hydro has no objection to BCUC approval of allowances for distribution extensions based on the total capital-related distribution costs.

In either case, April 1, 2008 is only two months away, and until this issue is resolved, BC Hydro is having significant difficulties dealing with developers and homeowners regarding the allowances they can expect BC Hydro to contribute to new extensions. Thus, BC Hydro respectfully requests an expedited response to this submission. Further, if the BCUC intended BC Hydro's extension allowances to be based on the component of the distribution revenue requirement that is both capital and demand related, BC Hydro respectfully requests an opportunity to make full submissions on the merits of the reconsideration request by February 6, 2008; an opportunity for intervenors to respond by February 13, 2008; an opportunity for BC Hydro reply on February 14, 2008 and a final BCUC order on February 18, 2008. The record for this proposed reconsideration process, if required, should be limited to the existing record, including this filing and the previous Compliance Filing of November 15, 2007.

For further information please contact Fred James at (604) 623-4317.

Yours sincerely.

Joanna Sofield

Chief Regulatory Officer

Enclosures (6)

c. Project 3698455 Intervenors

# Appendix A Cost of Service Model

# Appendix A Cost of Service Study - Compliance Filing (Order G-111-07, G-10-08)

# **Table of Contents**

Schedule	Description	Page
1.0	Functionalization Details	2
2.0	Classification of Generation Function	3
2.1	Classification of Transmission Function	4
2.2	Removal of Direct Assign Costs from Distribution	5
2.2a	Classification of Distribution Function	6
2.3	Classification of Customer Care	7
3.0	Allocation of Generation to Rate Classes	8
3.1	Allocation of Transmission to Rate Classes	9
3.2	Allocation of Distribution to Rate Classes	10
4.0	Summary of Costs by Function	11
4.1	Summary of Costs by Classification	12
5.0	Allocator by Energy	13
5.1	Allocator by 12 CP & NCP Demand	14
5.2	Allocator by Customer, Bill and Revenue	15
5.3	Meter Replacement Cost	16

Note: All costs are in \$ X 1 million unless otherwise noted

### Functionalization Summary - Compliance Filing (Order G-111-07, G-10-08)

Cost of Energy		F2008 Revenue Requirement	Generation	Transmission	Distribution	Customer	
Revenue Requirement Schedule Sched 4, L 10	(Appendix D) IPPs and Long-term Purchases commitment	500.8	500.8				
Sched 4, L 9, 13	Domestic Transmission	70.4	500.6	70.4		0	
Sched 4, L 11	NIA Generation	20.5	20.5	70.4			
Sched 4, L 12	Gas Transportation	11.7	11.7			-	
Sched 4, L 1, 2	Water Rentals	299.9	299.9		_		
Sched 4, L 3	Market Purchases	261.4	261.4				
Sched 4, L 5	Natural gas for thermal generation	31.9	31.9		2	-	
Sched 4, L 6	Domestic Transmission	15.4	4.8	10.6			
Sched 4, L 7	Other	(4.5)	(4.5)				
O M & A Expenses	Cost of Energy	1,207.5	1,126.5	81.0	-		
Sched 3.2, L 10	Generation	132.3	132.3				
Sched 3.4, L 5	Transmission	93.1	132.3	93.1			
Sched 3.3, L 5	Distribution	275.3		33.1	172.1	103.2	
00.100 0.10, 12 0	P3M	210.0	13.0		(13.0)	100.2	BCUC Directive 3 v (P3
	Power Smart DSM OM&A Adjustment		3.3	0.4	(3.7)		BCUC Directive H.a) (Po
Sched 3.5, L.5	Engineering	(8.5)	(3.6)	-	(4.9)		bede on centernay (i
Sched 3.6, L5	Field Services	(26.0)	(1.5)	1	(24.5)		
Schod 3.1, L. 12 - 7	Corp Service - First Nation Provision (108.8-6.7)	102.1	37.7	10.8	53.6		
NSP	Negotiated Settlement Process Reduction	(12.0)	(6.4)		(5.6)		
	O M & A	556.3	174.8	104.3	174.0	103.2	
Depreciation & Amor		000,0	.,0	.04.0	., 4.0	.00.2	
Sched 7, L39	Generation	111.4	111.4				
	DSM Adjustment for Depreciation		33.3		(33.3)		BCUC Directive 3 iv
Sched 7, L41	Transmission	109.2	-	109.2	-	-	
Sched 7, L40	Distribution	132.0			132.0		
Sched 7, L 42	Engineering	0.7	0.3	-	0.4		
Sched 7, L 43	Field Services	7.8	3.6	-	4.2		
Sched 7, L 38	Corporate Services	40.5	18.5	-	22.0		
Sched 7, FRSR Deferral Account	Dismantling Costs Deferral Account	(17.2)	(3.9)	(5.0)	(8.3)		
Sched 2, L 30 Deferral Account	Depreciation Study Deferral Account	4.8	2.2		2.6		
NSP	Negotiated Settlement	(2.3)	(1.3)		(1.0)		
Taxes	mortization	386.9	164.1	104.2	118.6		
Taxes							
Sched 6, L 6	Generation	34.1	34.1	1.2	-	-	
Sched 6, L 12	Transmission	89.6	-	89.6	-	-	
Sched 6, L 9	Distribution	20.1	-	-	20.1		
Sched 6, L18	Field Services	1.3	0.8	-	0.5		
Sched 6, L 3	Corporate	8.4	5.3		3.1		
	axes	153.5	40.2	89.6	23.7		
Finance Charges							
Sched 8, L 35	Generation	214.9	214.9			-	
	DSM Adjustment for Finance Charges	-	14.1		(14.1)		BCUC Directive 3 iv
Sched 8, L 37	Transmission	126.4	-	126.4	-	-	
Sched 8, L 36	Distribution	146.6			146.6		
NSP	Negotiated Settlement (Capital Additions)	(6.7)	(4.2)	-	(2.5)		
NSP	Negotiated Settlement (Reduced Finance Costs)	(12.0)	(5.6)	(3.1)	(3.3)		BCUC Directive H.a)
Allowed Net Income	inance Charges	469.2	219.2	123.3	126.7	-	
	Constitution		1				
Sched 9, L 30	Generation  DSM Adjustment for Allowed Net Income	165.7	165.7 10.9		(10.9)		BCUC Directive 3 iv
Sched 9, L 32	Transmission	97.5	10.9	97.5	(10.9)		DOG DIFFERENCE O IV
Sched 9, L 31	Distribution	113.1		97.5	113.1		
	llowed Net Income	376.3	176.7	97.5	102.2		
Miscellaneous Reven	ues						
Sched 15, L 8	Generation	(7.7)	(7.7)		-	_	
Sched 15, L 18	Transmission	(12.1)		(12.1)	-	_	
Sched 15, L 13	Distribution	(12.7)	-		(12.7)		
Sched 15, L 4 & 19	Unallocated Miscellaneous Revenue	(10.9)	(6.5)		(4.4)	-	
	discellaneous Revenues svenue Offsets and Other	(43.4)	(14.2)	(12.1)	(17.1)	-	
Sched 1, L 14	Subsidiary Net Income	(138.2)	(138.2)	7.		-	
Sched 1, L 15	Other Utility Revenue & NHDA Adjustment	13.9	13.9				
Sched 3, L 17	Intersegment revenues	(145.9)	(96.0)	(49.9)		2.7	
Sched 3.4, L 12, 13	Internal Allocations (GRTA, SDA) ef Accounts, Offsets and Other	(0.0)	(182.4)	(62.8)	24.9	<del></del>	
Total	al Revenue Requirement	2,836.2	1,704.9	475.1	553.0	103.2	

### Classification of the Generation Function - F08 - Compliance Filing (Order G-111-07, G-10-08)

ost of Energy	Total Gen	Demand	Energy	Demand	Energy	Comments
IPPs and Long-term Purchases commitment	500.80	0.00%	100.00%		500.80	
Domestic Transmission		0.00%	100.00%			
NIA Generation	20.50	0.00%	100.00%		20.50	
Gas Transportation	11.70	0.00%	100.00%		11.70	
Water Rentals	299.90	10.00%		29.99		Based on Water Rental Rate
the state of the s			90.00%		269.91	Based on Water Rental Rate
Market Purchases	261.42	0.00%	100.00%	-	261.42	
Natural gas for thermal generation	31.90	0.00%	100.00%	-	31.90	
Domestic Transmission	4.80	100.00%	0.00%	4.80	-	
Other	(4.50)	0.00%	100.00%	-	(4.50)	
Cost of Energy	1,126.52			34.79	1,091.73	
M & A Expenses						
Constitution	400.00	E7 000/	40.400	70.00	55.70	6 N N
Generation	132.30	57.90%	42.10%	76.60	55.70	Generation Gross Plant in Serv
Transmission	-	0.00%	0.00%			
Distribution	-	0.00%	0.00%	-	-	
P3M	12.95	22.72%	77.28%	2.94	10.01	P3M, Directive 3 v
Power Smart DSM OM&A Adjustment	3.33	22.72%	77.28%	0.76	2.57	Directive G-109-8 H.a)
Engineering	(3.58)	57.90%	42.10%	(2.07)	(1.51)	
Field Services	(1.50)	57.90%	42.10%	(0.87)	(0.63)	
Corp Service - First Nation Provision (108.8-6.7)	37.73	57.90%	42.10%	21.84	15.88	
Negotiated Settlement Process Reduction	(6.39)	57.90%	42.10%	(3.70)	(2.69)	
OM&A epreciation & Amortization	174.84			95.51	79.33	
Generation	111.40	57.90%	42.10%	64.50	46.90	Generation Gross Plant in Serv
DSM Adjustment for Depreciation	33.30	22.72%	77.28%	7.56	25.74	BCUC Directive 3 iv
Transmission	-	0.00%	0.00%	-	-	
Distribution		0.00%	0.00%	_	_	
Engineering	0.32	57.90%	42.10%	0.19	0.13	
Field Services	3.57	57.90%	42.10%	2.07	1.50	
Corporate Services	18.54	57.90%	42.10%	10.73	7.80	
Dismantling Costs Deferral Account	(3.90)	57.90%	42.10%	(2.26)	(1.64)	
Depreciation Study Deferral Account	2.20	57.90%	42.10%	1.27	0.92	
Negotiated Settlement	(1.33)	57.90%	42.10%	(0.77)	(0.56)	
Amortization	164.09			83.29	80.80	
xes				- 1		
Generation	34.10	57.90%	42.10%	19.74	14.36	Generation Gross Plant in Serv
Transmission					14.30	Beneration Gross Flant in Serv
		0.00%	0.00%		-	
Distribution	-	0.00%	0.00%		-	
Field Services	0.82	57.90%	42.10%	0.47	0.34	
Corporate	5.28	57.90%	42.10%	3.06	2.22	
Taxes	40.20			23.28	16.92	
nance Charges						
Generation	214.93	56.70%	43.30%	121.86	93.07	Generation Net Plant in Service
DSM Adjustment for Finance Charges	14.15	22.72%	77.28%	3.21	10.93	BCUC Directive 3 iv
Transmission		0.00%	0.00%		-	The state of the s
Distribution		0.00%	0.00%			
	44.05			(0.44)	44.041	
Negotiated Settlement (Capital Additions)	(4.25)	56.70%	43.30%	(2.41)	(1.84)	
Negotiated Settlement (Reduced Finance Costs)	(5.63)	56.70%	43.30% _	(3.19)	(2.44)	,
Finance Charges owed Net Income	219.20			119.47	99.73	
Owed Net Income						
Generation	165.75	56.70%	43.30%	93.98		Generation Net Plant in Service
DSM Adjustment for Allowed Net Income	10.91	22.72%	77.28%	2.48	8.43	BCUC Directive 3 iv
Transmission		0.00%	0.00%			
Distribution	470.00	0.00%	0.00%		-	
Allowed Net Income scellaneous Revenues	176.66			96.45	80.21	
*						
Generation	(7.70)	57.90%	42.10%	(4.46)	(3.24)	Generation Gross Plant in Serv
Transmission		0.00%	0.00%	-	-	
Distribution		0.00%	0.00%		-	
Unallocated Miscellaneous Revenue	(6.48)	57.90%	42.10%	(3.75)	(2.73)	
Miscellaneous Revenues	(14.18)		_	(8.21)	(5.97)	
ferral Accounts, Revenue Offsets and Other						
Subsidiary Not Income	(429.00)	22 729/	77 200/	(24.00)	(100 E1)	BCLIC Direction 2 view (- 0)
Subsidiary Net Income	(138.20)	22.72%	77.28%	(31.69)		BCUC Direction 3 vi w/o Power
Other Utility Revenue & NHDA Adjustment	13.90	57.90%	42.10%	8.05		Generation Gross Plant in Serv
Intersegment revenues	(96.00)	57.90%	42.10%	(55.59)	(40.41)	
Internal Allocations (GRTA, SDA)	37.90	57.90%	42.10%	21.94	15.96	
Def Accounts, Offsets and Other	(182.40)			(57.28)	(125.12)	
	4					
Total Revenue Requirement	1,704.93			387.30 22.72%	1,317.62 77.28%	

# Classification of the Transmission Function - F08 - Compliance Filing (Order G-111-07, G-10-08)

	nergy	Total Trans	Demand	Meter	Demand	Meter	Comments
	IPPs and Long-term Purchases commitment		0.00%	0.00%			
	Domestic Transmission	70.40	99.99%	0.01%	70.39	0.01	Transmission Gross Plant in Servi
	NIA Generation	70.40	0.00%	0.00%	70.00	0.01	Transmission of oss Flam in Oct Vi
	Gas Transportation		0.00%	. 0.00%			
-	Water Rentals		0.00%	0.00%			
	Market Purchases		0.00%	0.00%			
			0.00%	0.00%		-	
	Natural gas for thermal generation  Domestic Transmission	10.60	99.99%	0.01%	10.60	0.00	
	Other				10.00	0.00	
4		91.00	0.00%	0.00%	90.00	0.01	
M&AE	Cost of Energy  xpenses	81.00			80.99	0.01	
							,
	Generation Transmission	- 02.40	0.00%	0.00%	93.09	0.01	Transmission Gross Plant in Servi
	Distribution	93.10	99.99%	0.01%	55.05	0.01	Transmission oross Flam in Servi
					0.27	0.00	Dinastino 6 100 9 H s)
	Power Smart DSM OM&A Adjustment	0.37	99.99%	0.01%	0.37	0.00	Directive G-109-8 H.a)
	Engineering		0.00%	0.00%	-	-	
	Field Services		0.00%	0.00%	40.00	0.00	
	Corp Service - First Nation Provision (108.8-6.7)	10.80	99.99%	0.01%	10.80	0.00	
	Negotiated Settlement Process Reduction		0.00%	0.00%		-	
prociati	O M & A on & Amortization	104.27			104.26	0.01	
preciati	on a Amortization						
	Generation		0.00%	0.00%			
	Transmission	109.20	99.99%	0.01%	109.18	0.02	Transmission Gross Plant in Serv
	Distribution		0.00%	0.00%		~	
	Engineering		0.00%	0.00%			
	Field Services		0.00%	0.00%	-	-	
	Corporate Services		0.00%	0.00%	-	-	
	Dismantling Costs Deferral Account	(5.00)	99.99%	0.01%	(5.00)	(0.00)	i
	Depreciation Study Deferral Account	-	0.00%	0.00%			
	Negotiated Settlement		0.00%	0.00%			
	Amortization	104.20		_	104.19	0.01	
xes							
	Generation		0.00%	0.00%		-	
	Transmission	89.60	99.99%	0.00%	89.59	0.01	Transmission Gross Plant in Servi
	Distribution	-	,0.00%	0.00%	08.53	0.01	Trunshission of 055 Fluit in Servi
	Field Services		0.00%	0.00%	2		
	Corporate		0.00%	0.00%			
	Taxes	89.60	0.0074	0.0070	89.59	0.01	
ance Cl							
	Secretary 1		0.0004	0.0004			
	Generation	120.40	0.00%	0.00%	100.00	0.00	Transmission blet Direct in Commis
	Transmission	126.40	99.98%	0.02%	126.38	0.02	Transmission Net Plant in Service
	Distribution	-	0.00%	0.00%			
	Negotiated Settlement (Capital Additions)	V- 1.00	0.00%	0.00%	40.444		
	Negotiated Settlement (Reduced Finance Costs)	(3.11)	99.98%	0.02%	(3.11)	(0.00)	
owed N	Finance Charges et Income	123.29			123.27	0.02	
	Generation		0.00%	0.00%	-	-	
	Transmission	97.50	99.98%	0.02%	97.48	0.02	Transmission Net Plant in Service
			0.00%	0.00%			
	Distribution	<u>·</u> _	0.0070			0.02	
	Allowed Net Income	97.50	0.0070		97.48		
scellane			0.00%		97.48		
scellane	Allowed Net Income		0.00%	0.00%	97.48		Transmission Gross Plant in Servi
scellane	Allowed Net Income	97.50		0.00% 0.01%			
scellane	Allowed Net Income  OOUS Revenues  Generation	97.50	0.00%				
scellane	Allowed Net Income  OUS Revenues  Generation Transmission	97.50	0.00% 99.99%	0.01%			
scellan <del>e</del>	Allowed Net Income  OUS Revenues  Generation Transmission Distribution	97.50	0.00% 99.99% 0.00%	0.01%		(0.00)	
	Allowed Net Income  COUS Revenues  Generation Transmission Distribution Unallocated Miscellaneous Revenue	(12.10)	0.00% 99.99% 0.00%	0.01%	(12.10)	(0.00)	
	Allowed Net Income  COUS Revenues  Generation Transmission Distribution Unallocated Miscellaneous Revenue Miscellaneous Revenues CCOUNTS, Revenue Offsets and Other	(12.10)	0.00% 99.99% 0.00% 0.00%	0.01% 0.00% 0.00%	(12.10)	(0.00)	
	Allowed Net Income  COUS Revenues  Generation Transmission Distribution Unallocated Miscellaneous Revenue Miscellaneous Revenue CCOUNTS, Revenue Offsets and Other  Subsidiary Net Income	(12.10)	0.00% 99.99% 0.00% 0.00%	0.01% 0.00% 0.00% _	(12.10)	(0.00)	
	Allowed Net Income COUS Revenues  Generation Transmission Distribution Unallocated Miscellaneous Revenue Miscellaneous Revenues CCOUNTS, Revenue Offsets and Other Subsidiary Net Income Other Utility Revenue & NHDA Adjustment	(12.10)	0.00% 99.99% 0.00% 0.00%	0.01% 0.00% 0.00% 	(12.10)	(0.00)	Transmission Gross Plant in Servi
	Allowed Net Income  COUS Revenues  Generation Transmission Distribution Unallocated Miscellaneous Revenue Miscellaneous Revenues CCOUNTS, Revenue Offsets and Other  Subsidiary Net Income Other Utility Revenue & NHDA Adjustment Intersegment revenues	97.50 (12.10) - (12.10)	0.00% 99.99% 0.00% 0.00% 0.00% 0.00% 99.99%	0.01% 0.00% 0.00% 0.00% 	(12.10)	(0.00)	Transmission Gross Plant in Servi
	Allowed Net Income  COUS Revenues  Generation Transmission Distribution Unallocated Miscellaneous Revenue Miscellaneous Revenues CCOUNTS, Revenue Offsets and Other  Subsidiary Net Income Other Utility Revenue & NHDA Adjustment Intersegment revenues Internal Allocations (GRTA, SDA)	97.50 (12.10) - (12.10) - (49.90) (62.80)	0.00% 99.99% 0.00% 0.00%	0.01% 0.00% 0.00% 	(12.10) (12.10) (49.89) (62.79)	(0.00) - - (0.00)	Transmission Gross Plant in Servi
	Allowed Net Income  COUS Revenues  Generation Transmission Distribution Unallocated Miscellaneous Revenue Miscellaneous Revenues CCOUNTS, Revenue Offsets and Other  Subsidiary Net Income Other Utility Revenue & NHDA Adjustment Intersegment revenues	97.50 (12.10) - (12.10)	0.00% 99.99% 0.00% 0.00% 0.00% 0.00% 99.99%	0.01% 0.00% 0.00% 0.00% 	(12.10)	(0.00)	Transmission Gross Plant in Servi
ferral Ad	Allowed Net Income  COUS Revenues  Generation Transmission Distribution Unallocated Miscellaneous Revenue Miscellaneous Revenues CCOUNTS, Revenue Offsets and Other  Subsidiary Net Income Other Utility Revenue & NHDA Adjustment Intersegment revenues Internal Allocations (GRTA, SDA)	97.50 (12.10) - (12.10) - (49.90) (62.80)	0.00% 99.99% 0.00% 0.00% 0.00% 0.00% 99.99%	0.01% 0.00% 0.00% 0.00% 	(12.10) (12.10) (49.89) (62.79)	(0.00) - - (0.00)	Transmission Gross Plant in Servi

Cost of Energy		Total Distribution	Direct Assign Street Light	Distribution Costs for	SL Demand	SL Cust	SL Demand Related	SL Cu Relate
Sost of Energy		Costs	Costs	Classific	Related	Related	Costs	Cost
	IPPs and Long-term Purchases commitment				65%	35%		
	Domestic Transmission			-	65%	35%	-	-
	NIA Generation		4	-	65%	35%		-
	Gas Transportation	-	*	-	65%	35%	-	-
	Water Rentals				65%	35%		-
	Market Purchases				65% 65%	35% 35%	į.	
	Natural gas for thermal generation  Domestic Transmission	0	2	-	65%	35%		
	Other	-			65%	35%		
Cos	st of Energy		-	-			-	
M & A Expenses								
	Generation				65%	35%		
	Transmission				65%	35%		
	Distribution	172.12	3.00	169.12	65%	35%	1,95	1
	P3M ·	(12.95)	-	(12.95)	65%	35%		
	Power Smart DSM OM&A Adjustment	(3.70)		(3.70)	65%	35%		
	Engineering	(4.92)	- :	(4.92)	65%	35% 35%	- 1	
	Field Services  Corp Service - First Nation Provision (108.8-6.7)	(24.50) 53.57	0.28	(24.50) 53.29	65% 65%	35%	0.18	c
	Negotiated Settlement Process Reduction	(5.61)	0.20	(5.61)	65%	35%		
OM	1 & A	174.01	3.28	170.73			2.13	1
epreciation & An								
	Generation				65%	35%		
	Generation  DSM Adjustment for Depreciation	(33.30)		(33.30)	65%	35%	-	
	Transmission	(55.55)		-	65%	35%	-	
	Distribution	132.00	0.79	131,21	65%	35%	0.51	0
	Engineering	0.38	÷.	0.38	65%	35%	-	,
	Field Services	4.23		4.23	65%	35%	-	
	Corporate Services	21.96 (8.30)		21.96 (8.30)	65% 65%	35% 35%	-	
	Dismantling Costs Deferral Account Depreciation Study Deferral Account	2.60	- 1	2.60	65%	35%		
	Negotiated Settlement	(0.97)		(0.97)	65%	35%		
Ame	ortization	118.61	0.79	117.82	= 10		0.51	0
axes								
	Generation			-	65%	35%		
	Transmission				65%	35%	_	
	Distribution	20.10	0.12	19.98	65%	35%	0.08	0
	Field Services	0.48	-	0.48	65%	35%	-	
	Corporate	3.12		3.12	65%	35%		
Tax	es .	23.70	0.12	23.57			0.08	0
inance Charges								
	Generation				65%	35%	-	,
	DSM Adjustment for Finance Charges	(14.15)		(14.15)	65%	35%	-	
	Transmission		-		65%	35%	-	
	Distribution	146.60	0.73	145.87	65%	35%	0.47	0
	Negotiated Settlement (Capital Additions)	(2.45)		(2.45)		35% 35%	0	
Fine	Negotiated Settlement (Reduced Finance Costs) ance Charges	(3.26)	0.73	(3.26)	65%	33%	0.47	- (
llowed Net Incom		120.14	0.70	120.01				
					100	1		
	Generation	(10.01)	-	(10.01)	65% 65%	35% 35%	-	
	DSM Adjustment for Allowed Net Income Transmission	(10.91)		(10.91)	65%	35%	-	
	Distribution	113.10	0.64	112,46	65%	35%		0
Allo	owed Net Income	102.19	0.64	101.55			0.42	(
liscellaneous Rev	venues							
	Generation	-			65%	35%		,
	Transmission	-			65%	35%	-	
	Distribution	(12.70)		(12.70)		35%		
	Unallocated Miscellaneous Revenue	(4.42)	<u> </u>	(4.42)	65%	35%		_
	cellaneous Revenues  Revenue Offsets and Other	(17.12)		(17.12)				
olollar Accounts	, silv oliotto alla oliiti							
	Subsidiary Net Income		-		65%	35%	-	
	Other Utility Revenue & NHDA Adjustment	-	-		65%	35%		
	Intersegment revenues	24.90	•	24.90	65% 65%	35% 35%		
D-1	Internal Allocations (GRTA, SDA)	24.90		24.90	00%	30%		
Def	Accounts, Offsets and Other	24.90	-	24.9				
Total Reve	enue Requirement	553.03	5.56	547.47			3.61	1

Cost of Ene	orgy	Dist Costs	Distribution Demand Related	Customer Related	Distribution Demand Related	Customer Related
	IPPs and Long-term Purchases commitment		65%	35%		
	Domestic Transmission		65%	35%	-	-
	NIA Generation		65%	35%	-	-
	Gas Transportation		65%	35%	-	-
	Water Rentals		65%	35%	-	-
	Market Purchases	-	65%	35%	-	-
	Natural gas for thermal generation		65%	35%	-	-
	Domestic Transmission	-	65%	35%	-	-
	Other		<u>65</u> %	35%		
OM&AEx	Cost of Energy					
JIVI & A EX	penses					
	Generation		65%	35%	-	-
	Transmission	-	65%	35%		
	Distribution	169.12	65%	35%		59.1
	P3M	(12.95)	65%	35%		(4.5
	Power Smart DSM OM&A Adjustment	(3.70)	65%	35%	400.00	(1.3
	Engineering	(4.92)		35%		(1.7
	Field Services	(24.50)	65%	35%	(15,93)	(8.5
	Corp Service - First Nation Provision (108.8-6.7)	53.29	65%	35%	34.64	18.6
	Negotiated Settlement Process Reduction	(5.61)	<u>65</u> %	35%		(1.9
	OM&A n & Amortization	170.73			110.98	59.7
-p. obiatio						
	Generation  DSM Adjustment for Depreciation	(00.00)	65% 65%	35% 35%	(21,65)	(11.6
	DSM Adjustment for Depreciation	(33.30)	65% 65%	35% 35%		(11.6
	Transmission Distribution	131.21	65%	35%	85.29	45.9
	Engineering	0.38	65%	35%	0.25	0.1
	Field Services	4.23	65%	35%	2.75	1.4
	Corporate Services	21.96	65%	35%	14.28	7.6
	Dismantling Costs Deferral Account	(8.30)	65%	35%	(5.40)	(2.9
	Depreciation Study Deferral Account	2.60	65%	35%	1,69	0.9
	Negotiated Settlement	(0.97)	65%	35%	(0.63)	(0.3
	Amortization	117.82	55.0		76.59	41.2
axes						
	Generation		65%	35%		
	Transmission		65%	35%		_
	Distribution	19.98	65%	35%	12,98	6.9
	Field Services	0.48	65%	35%	0.31	0.1
	Corporate	3.12	65%	35%	2,02	1,0
	Taxes	23.57	=		15.32	8.2
inance Ch						
	Constalian		65% 65%	35% 35%		-
	Generation DSM Adjustment for Finance Charges	(14.15)	65%	35%	(9.20)	(4.9
	Transmission	-	65%	35%	-	
	Distribution	145.87	65%	35%	94.82	51.0
	Negotiated Settlement (Capital Additions)	(2.45)	65%	35%	(1.60)	(0.8
	Negotiated Settlement (Reduced Finance Costs)	(3.26)	65%	35%	(2.12)	(1,1
	Finance Charges	126.01			81.91	44.
llowed Ne	t Income					
	Generation		65%	35%		-
	DSM Adjustment for Allowed Net Income	(10.91)	65%	35%	(7.09)	(3.8)
	Transmission		65%	35%		
	Distribution	112.46	65%	35%	73.10	39.3
	Allowed Net Income	101.55			66.01	35.5
iiscellaned	ous Revenues					
	Generation		65%	35%		4
	Transmission	-	65%	35%		-
	Distribution	(12.70)	65%	35%	(8.26)	(4.4
	Unallocated Miscellaneous Revenue	(4.42)	<u>65</u> %	35%	(2.87)	(1.5
	Miscellaneous Revenues	(17.12)			(11.13)	(5.9
eferral Ac	counts, Revenue Offsets and Other					
	Subsidiary Net Income	-	65%	35%		,
	Other Utility Revenue & NHDA Adjustment		65%	35%		-
	Intersegment revenues		65%	35%		-
	Internal Allocations (GRTA, SDA)	24.90	<u>65</u> %	35%		8.7
	Def Accounts, Offsets and Other	24.90			16.19	8.7
_	(1B	547.47			355.85	191.
Tr	otal Revenue Requirement	547.47			355.65	191.

### Classification of Customer Care Costs - F08 - Compliance Filing (Order G-111-07, G-10-08)

ost of Energy		Customer Care	Customer	Customer	Customer	Cust - Customer	Demand Related	Custom
ost of Energy		Customer Care	Related	Related	Related	Related	Costs	Costs
					4 100 04	.=0		
	IPPs and Long-term Purchases commitment		100.00%	-	65%	35%	-	-
	Domestic Transmission		100.00%		65%	35%	-	-
	NIA Generation		100.00%		65%	35%	-	-
	Gas Transportation		100.00%	* .	65%	35%	-	-
	Water Rentals		100.00%	-	65%	35%		-
	Market Purchases	-	100.00%	-	65%	35%	-	-
	Natural gas for thermal generation	-	100.00%	-	65%	35%	-	-
	Domestic Transmission		100.00%	~	65%	35%	-	-
	Other		100.00%	-	65%	35%	-	-
Cos	t of Energy	-						
M & A Expenses	. Of Energy							
	Generation		100.00%	-	65%	35%	-	-
	Transmission		100.00%	-	65%	35%	-	-
	Distribution	103.18	100.00%	103.18	65%	35%	67.07	36
	Engineering		100.00%		65%	35%		-
	Field Services		100.00%		65%	35%	-	
	Corp Service - First Nation Provision (108.8-6.7)		100.00%		65%	35%		
	Negotiated Settlement Process Reduction			-	65%	35%		
			100.00%		05%	35%	07.07	
O M		103.18		103.18			67.07	36.
preciation & Am	OI II LAU OII							
	Generation	*	100.00%	1 1 2	65%	35%		
	Transmission		100.00%	-	65%	35%		
	Distribution		100.00%	-	65%	35%		
	Engineering		100.00%		65%	35%		_
	Field Services		100.00%		65%	35%		
	Corporate Services		100.00%		65%	35%		
		-		-			-	-
	Dismantling Costs Deferral Account		100.00%	-	65%	35%		-
	Depreciation Study Deferral Account	-	100.00%	-	65%	35%	-	-
	Negotiated Settlement	-	100.00%	-	65%	35%		
Amo	rtization						-	
xes								
	Generation		100.00%		65%	35%		
	Transmission		100.00%		65%	35%		
				-			-	
	Distribution		100.00%	-	65%	35%	-	-
	Field Services		100.00%		65%	35%		-
	Corporate	-	100.00%		65%	35%		
Taxe	es	-					-	
nance Charges								
	Generation		100.00%		65%	35%		
					65%	35%		
	Transmission		100.00%	-				
	Distribution		100.00%		65%	35%		
	Negotiated Settlement (Capital Additions)	-	100.00%	-	65%	35%		
	Negotiated Settlement (Reduced Finance Costs)		100.00%		65%	35%		
	nce Charges						-	
owed Net Incom	0							
	Generation		100.00%		65%	35%		
		-						-
	Transmission		100.00%	-	65%	35%	-	-
	Distribution	-	100.00%		65%	35%		_
	ved Net Income						-	
scellaneous Rev	enues							
	Generation		100.00%		65%	35%	-	
	Transmission		100.00%		65%	35%	-	
	Distribution		100.00%		65%	35%	-	
	Unallocated Miscellaneous Revenue		100.00%		65%			
		-	100.0078	· ·	00%	<u>35</u> %		_
14	ellaneous Revenues Revenue Offsets and Other							
	Nevertal Offsets and Other					10000		
			100.00%	-	65%	35%	~	-
	Subsidiary Net Income			-				-
	Subsidiary Net Income Other Utility Revenue & NHDA Adjustment		100.00%	-	65%	35%	-	
	Subsidiary Net Income Other Utility Revenue & NHDA Adjustment Intersegment revenues	:	100.00% 100.00%	-	65% 65%	35% 35%	:	-
ferral Accounts,	Subsidiary Net Income Other Utility Revenue & NHDA Adjustment Intersegment revenues Internal Allocations (GRTA, SDA)	<u>:</u>	100.00%	-	65%	35%		
ferral Accounts,	Subsidiary Net Income Other Utility Revenue & NHDA Adjustment Intersegment revenues	<u>:</u>	100.00% 100.00%	-	65% 65%	35% 35%	<u>:</u>	

# Allocation of Classified Generation Costs to Rate Classes - Compliance Filing (Order G-111-07, G-10-08)

	x * -	Total BC Hydro - F08							
	Function	,	Gene	eration					
	Cost Classes	Generation Demand	Generation Demand Related Costs (Sched 2.0)	Generation Energy	Generation Energy Related Costs (Sched 2.0)				
	Allocation Basis	4 CP (Schedule 5.1)	387.30	F08 Forecast Energy Including Loss (Sched 5.0)	1,317.62				
Residential		43.19%	167.28	32.29%	425.41				
G5<35	14	7.46%	28.90	7.71%	101.63				
GS>35		24.63%	95.40	27.51%	362.45				
Irrigation		0.00%	0.00	0.18%	2.40				
StreetLight		0.43%	1.65	0.39%	5.18				
Transmission		24.29%	94.07	31.92%	420.55				
Total		100.0%	387.30	100.0%	1,317.62				

# Allocation of Classified Transmission Costs to Rate Classes - Compliance Filing (Order G-111-07, G-10-08)

			Total BC Hydro - F08								
		Function		Transi	mission						
7		Cost Classes	Transmission Demand	Demand Related Costs (Sched 2.1)	Transmission Meter	Transmission Meter Related Costs (Sched 2.1)					
	Allo	ocation Basis	4 CP demand including losses (Sched 5.1)		Transmission Meter (Sched 5.3)						
				474.99		0.07					
Residential			43.19%	205.16	0.00%	0.00					
G5<35			7.46%	35.44	0.00%	0.00					
GS>35		4	24.63%	116.99	14.85%	0.01					
Irrigation			0.00%	0.00	0.00%	0.00					
StreetLight			0.43%	2.03	0.00%	0.00					
Transmission			24.29%	115.37	85.15%	0.06					
Total		1 1	100.0%	474.99	100.0%	0.07					

# Allocation of Classified Distribution Costs to Rate Classes - Compliance Filing (Order G-111-07, G-10-08)

		Total BC Hydro - F08										
Function				Dis	tribution (inclu	ding directly as	signed street li	ighting and cust	tomer care)			
Cost Classes	Distribution Demand Related	Distribution Demand Related (Sched 2.2a)	Distribution Customer Related	Distribution Customer Related (Sched 2.2a)	Street Light Demand Related	Street Light Demand Related Costs	Street Light Customer	Street Light Customer Related Costs	Customer Care Demand	Customer Care Demand Related Costs	Customer Care Customer	Customer Care Customer Related Costs (Sched 2.3)
Allocation Basis	NCP (Sched 5.1)	355.85	Customer Count	191.61	Street Light Assignment	3.61	Street Light Assignment	1.95	NCP Schedule 5.1	67.07	Customer Count Blended Customer Count and Revenue Allocator	36.11
Residential	55.85%	198.75	88.07%	168.75	0.00%	0.00	0.00%	0.00	55.85%	37.46	81.78%	29.53
G5<35	10.97%	39.04	9.84%	18.86	0.00%	0.00	0.00%	0.00	10.97%	7.36	9.72%	3.51
GS>35	31.99%	113.82	1.32%	2.53	0.00%	0.00	0.00%	0.00	31.99%	21.45	5.03%	1.82
Irrigation	0.55%	1.96	0.19%	0.37	0.00%	0.00	0.00%	0.00	0.55%	0.37	0.07%	0.03
StreetLight	0.64%	2.29	0.58%	1.10	100.00%	3.61	100.00%	1.95	0.64%	0.43	1.10%	0.40
Transmission	0.00%	0.00	0.00%	0.00	0.00%	0.00	0.00%	0.00	0.00%	0.00	2.29%	0.83
Total	100.0%	355.85	100.0%	191.61	100.0%	3.61	100.0%	1.95	100.0%	67.07	100.0%	36.11

# Summary of Costs by Function by Rate Class - Compliance Filing (Order G-111-07, G-10-08)

	Total BC Hydro - F08							
	Sum	mary of Costs	by Function (	\$ X million) - A	All BCUC Direc	tives Incorpor	ated	
Rate Class	Generation Costs	Transmission Costs	Distribution Costs	F08 Total Cost (\$ million)	F08 Revenue Forecast (\$ million)	Revenue - Cost (\$ million)	Rev/Cost Ratio	
							Y	
Residential	592.69	205.16	434.49	1,232.34	1,109.89	-122.45	90.1%	
GS<35	130.53	35.44	68.76	234.73	289.42	54.69	123.3%	
G5>35	457.85	117.00	139.62	714.48	762.76	48.28	106.8%	
Irrigation	2.40	0.00	2.72	5.12	4.26	-0.86	83.2%	
StreetLight	6.83	2.03	9.78	18.64	23.28	4.64	124.9%	
Transmission	514.62	115.43	0.83	630.88	646.62	15.74	102.5%	
Total Classes	1,704.93	475.06	656.21	2,836.20	2,836.23	0.04	100.0%	

# Summary of Classified Costs by Function by Rate Class - Compliance Filing (Order G-111-07, G-10-08)

			Total	<b>BC</b> Hydro	- F08				
		Summary of Costs by Classification							
	Cost Classes	Energy Related Costs	Generation Demand Related Costs	Transmission Demand Related Costs	Distribution Demand Related Costs	Total Demand Related Costs	Customer Related Costs	Total	
Residential		425.41	167.28	205.16	236.21	608.65	198.29	1,232.34	
GS<35		101.63	28.90	35.44	46.39	110.74	22.37	234.73	
GS>35		362.45	95.40	116.99	135.28	347.66	4.36	714.48	
Irrigation		2.40	0.00	0.00	2.33	2.33	0.39	5.12	
StreetLight		5.18	1.65	2.03	6.33	10.01	3.45	18.64	
Transmission		420.55	94.07	115.37	0.00	209.44	0.89	630.88	
Total Classes		1,317.62	387.30	474.99	426.53	1,288.83	229.75	2,836.20	

# Energy Allocators for Cost Allocation to Rate Classes - F08 Compliance Filing (Order G-111-07, G-10-08)

F08 Forecast	Energy @ Customer Meter	Distribution Loss Factor	Energy @ Transmission Interface	Transmission Loss Factor	Energy @ Generation Interface
	(MWh)		· (MWh)		(MWh)
_1.5					
Residential	16,999,268	6.00%	18,019,224	6.00%	19,100,378
GS Under 35 kW	4,061,059	6.00%	4,304,722	6.00%	4,563,006
GS Over 35 kW Secondary	6,809,965	6.00%	7,218,562	6.00%	7,651,676
GS Over 35 kW Primary	7,863,564	3.44%	8,134,071	6.00%	8,622,115
Irrigation	96,000	6.00%	101,760	6.00%	107,866
Street Lighting	207,000	6.00%	219,420	6.00%	232,585
Transmission	17,813,356	0.00%	17,813,356	6.00%	18,882,157
Total	53,850,211		55,811,115		59,159,782
Rate Class	Energy by Rate Class	Energy at Generator Allocation Factor			
	(MWh)				
					3 8
Residential	19,100,378	32.29%			
GS Under 35 kW	4,563,006	7.71%			
GS Over 35 kW	16,273,791	27.51%			
Irrigation	107,866	0.18%			
Street Lighting	232,585	0.39%			
Transmission	18,882,157	31.92%			
T. G.	59,159,782	100.00%			

# Demand Allocators - F08 Compliance Filing (Order G-111-07, G-10-08)

Demand Allocators for use in Schedule 3

Rate Classes	4 CP	NCP w/o T	NCP w/o Pri
Residential	43.19%	55.85%	66.63%
GS<35	7.46%	10.97%	13.09%
GS>35	24.63%	31.99%	18.85%
Irrigation	0.00%	0.55%	0.66%
Street Lights	0.43%	0.64%	0.77%
Transmission	24.29%	0.00%	0.00%
Total Integrated Area	100.00%	100.00%	100.00%

4 CP Allocation Based on Load Profiles - Including Distribution Losses

morading Die	tribation Look	000
F05	F06	Average
44.24%	42.15%	43.19%
7.25%	7.67%	7.46%
24.29%	24.97%	24.63%
0.00%	0.00%	0.00%
0.40%	0.45%	0.43%
23.81%	24.76%	24.29%
100.00%	100.00%	100.00%
	F05 44.24% 7.25% 24.29% 0.00% 0.40% 23.81%	44.24%       42.15%         7.25%       7.67%         24.29%       24.97%         0.00%       0.00%         0.40%       0.45%         23.81%       24.76%

NCP Allocation Based on Load Profiles & Dist Loss without Transmission

NCP Distribution Allocator	F05	F06	Average
Residential	57.63%	54.08%	55.85%
GS<35	10.62%	11.32%	10.97%
GS>35	30.68%	33.29%	31.99%
Irrigation	0.49%	0.61%	0.55%
Street Lights	0.59%	0.69%	0.64%
Transmission	0.00%	0.00%	0.00%
Total Integrated Area	100.00%	100.00%	100.00%

NCP Allocation Based on Load Profiles & Dist Loss without Trans, Primary

NCP Dist Transformer Allocator	F05	F06	Average
Residential	68.29%	64.97%	66.63%
GS<35	12.58%	13.61%	13.09%
GS>35	17.85%	19.85%	18.85%
Irrigation	0.58%	0.74%	0.66%
Street Lights	0.70%	0.83%	0.77%
Transmission	0.00%	0.00%	0.00%
Total Integrated Area	100.00%	100.00%	100.00%

# Customer Allocators - F08 Compliance Filing (Order G-111-07, G-10-08)

Rate Class	Forecast Average Number of Accounts F08	# of bills sent per account each year	# of bills sent to rate class each year	# of Bills Allocator
Residential	1,543,990	6	9,263,940	86.52%
GS Under 35 kW	172,541	6	1,035,248	9.67%
GS Over 35 kW	23,194	12	278,333	2.60%
Irrigation	3,371	2	6,742	0.06%
Street Lighting	10,103	12	121,236	1.13%
Transmission	139	12	1,668	0.02%
TOTAL	1,753,339		10,707,166	100.00%

Rate Class	Forecast Customer Count F08	Distribution Customer Count	Distribution Customer Allocator
Residential	1,543,990	1,543,990	88.07%
GS<35	172,541	172,541	9.84%
GS>35	23,194	23,177	1.32%
Irrigation	3,371	3,354	0.19%
Street Lights	10,103	10,103	0.58%
Transmission	139	-	0.00%
TOTAL	1,753,339	1,753,166	100.00%

Rate Class	Forecast Revenue F08	Revenue Allocator
	,	. 4
Residential	1,110	39.13%
GS<35	289	10.20%
GS>35	763	26.89%
Irrigation	4	0.15%
Street Lights	23	0.82%
Transmission	647	22.80%
TOTAL	2,836	100.00%

Rate Class	Weighting of # of Bills Allocator	Weighting of Revenue Allocator	Blended Customer Care Allocator
	90%	10%	
Residential	77.9%	3.9%	81.78%
GS<35	8.7%	1.0%	9.72%
GS>35	2.3%	2.7%	5.03%
Irrigation	0.1%	0.0%	0.07%
Street Lights	1.0%	0.1%	1.10%
Transmission	0.0%	2.3%	2.29%
TOTAL			100.00%

# Allocation Factor for Metering - F08 Compliance Filing (Order G-111-07, G-10-08)

Rate Class	Transmission Meter Replacement Cost		
Residential		0.00%	
GS Under 35 kW	_	0.00%	
GS Over 35 kW	2,081,600	14.85%	
Irrigation	-	0.00%	
Street Lighting	-	0.00%	
Transmission	11,931,354	85.15%	
TOTAL	14,012,954	100.00%	

Rate Class	Distribution Meter Replacement Cost	Distribution Meter Allocator
Residential	100,074,034	72.19%
GS<35	24,287,873	17.52%
GS>35	13,735,938	9.91%
Irrigation	524,457	0.38%
Street Lights		0.00%
Transmission	-	0.00%
TOTAL	138,622,302	100.00%

# Appendix C Rate Design Model

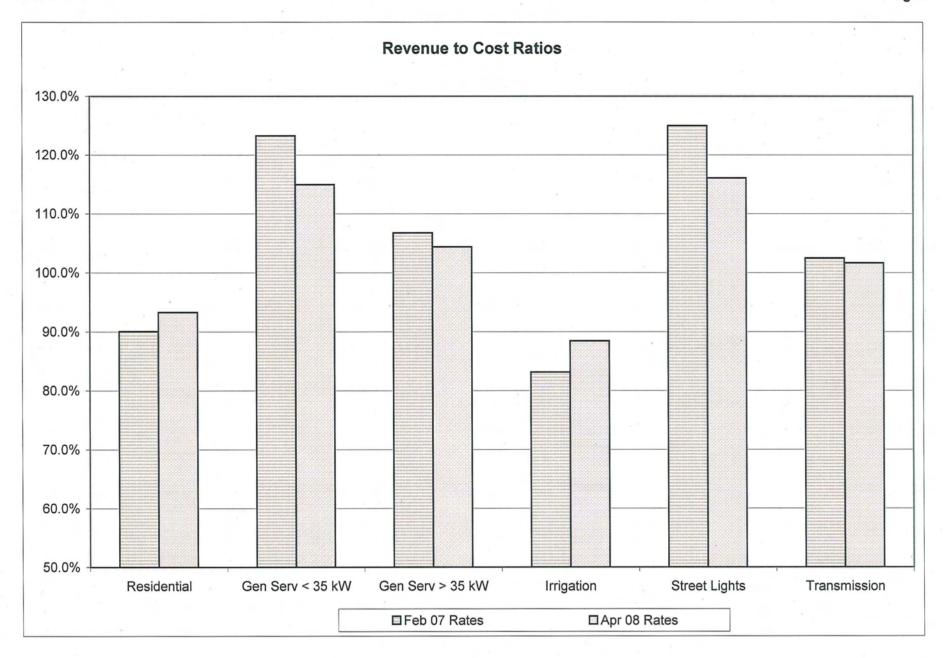
# BC Hydro F2008 RDA

Rate Design Model Version: G-10-08 Compliance

Schedule		Page
1.0	Rate Design Summary	2
2.0	Revenue to Cost Ratios	3
3.1 3.2	Billing Determinants Feb 2007 Rates Apr 2008 Rates	4 5
4.1 4.2	Rates Feb 2007 Rates Apr 2008 Rates	6 7
5.1 5.2	Revenue Feb 2007 Rates Apr 2008 Rates	8
6.0	Impact of Eliminating Rates	10
7.0	Phase-Out of E-Plus Rates	11
8.0	Restructuring of General Service > 35 kW Rate	12
9.0	Fees and Minimum Connection Charges	13
10.0	Cost of Service Data	14
11.0	Monthly Bill Impacts	15

# Rate Design Summary

	F2008 Cost of Service	F2008 Revenue	Increase in Revenue	Revenue - Cost	Revenue to Cost Ratio	Rate Increase
	\$ million	\$ million	\$ million	\$ million	%	%
February 1, 2007 Rates:						
Residential	1,232.4	1,109.9		-122.5	90.1%	
Gen Serv < 35 kW	234.7	289.4		54.7	123.3%	
Gen Serv > 35 kW	714.5	762.8		48.3	106.8%	
Irrigation	5.1	4.3		-0.9	83.2%	
Street Lights	18.6	23.3		4.7	125.0%	
Transmission	630.9	646.6		15.7	102.5%	
Additional Fee Revenue		0.00				
Total	2,836.2	2,836.2		0.0	100.0%	
A						
April 1, 2008 Rates:	1 222 4	1,149.8	39.9	-82.6	93.3%	3.6%
Residential	1,232.4 234.7	269.8	-19.6	35.1	114.9%	-6.8%
Gen Serv < 35 kW Gen Serv > 35 kW	714.5	745.9	-16.9	31.4	104.4%	-2.2%
Irrigation	5.1	4.5	0.3	-0.6	88.5%	6.3%
Street Lights	18.6	21.6	-1.7	3.0	116.1%	-7.2%
Transmission	630.9	641.4	-5.2	10.5	101.7%	-0.8%
Additional Fee Revenue	030.9	3.2	3.2	10.0	101.770	0.570
Total	2,836.2	2,836.2	0.0	0.0	100.0%	0.0%



# Billing Determinants - Feb 2007 Rates

	Rate Code		Customer Months	Energy Block 1	Energy Block 2	Energy Block 3	Demand Block 1	Demand Block 2	Demand Block 3
Resi	idential								
1100	1101		17,876,983	16,197,353,180			-		-
	1105		-	147,779,607	-		-	-	-
	1107		60,955	52,501,518	4,512,897				-
	1111		141,114	308,845,666	-		-	-	-
	1121	v	306,582	212,930,199	_			-	-
	1127		110	138,776	66,616				
	1131		136,749	1,930,912	948,180	69,217,585			
	1132		24	3,754	1,877	22,089			
	1133		4,381	20,440	10,220	2,157,693		_	
	1148		123	129,988	10,220	2,107,000			
	1180		858	696,804					,
Sub	Total		18,527,880	16,922,330,843	5,539,790	71,397,367		2	-
_									
Gen	eral Servic	e < 35 kV							
	1205		3,987	6,008,481	2,845,570			-	-
	1220		2,037,002	4,011,542,935		-	-		-
	1222		13,860	4,874,599	11,009,979	-			-
	1223		1,802	1,634,497	936,091		-	-	-
	1234		13,844	20,753,724	1,453,123	-		-	
Sub	Total		2,070,495	4,044,814,237	16,244,763	-	-		-
Gen	eral Servic	e > 35 kV	v						
	1200		240,295	2,874,708,014	3,919,316,758	-	7,447,156	6,990,403	3,814,642
	1201		1,872	24,699,815	110,952,838		58,901	105,297	214,903
	1206		1,026	4,088,464	17,092,423	-	-	-	-
	1207		174	941,067	10,667,141				-
	1210		16,438	219,217,768	2,182,084,161		528,714	1,099,367	4,277,409
	1211		17,150	235,024,191	5,036,548,114	_	555,698	1,158,536	10,708,815
	1212		-	200,024,101	0,000,010,111		4,010,286	.,,	-
	1255		689	6,635,672	5,528,309		3,124	_	_
	1265		25	568,171	170,351		710		_
			37		86,918		4,140		_
	1266		12	1,600,008	00,910		5,517		
	1278			16,794,492	-		83		
	1280		364	500,247	-		175		
	1953		12	63,695	-	-	175	_	-
	1959		76	2,077,216	,	-	-	-	
Cub	1960 <b>Total</b>		162 278,333	4,163,168 3,391,081,988	11,282,447,012		12,614,504	9,353,603	19,015,768
Sub	Total		270,000	3,331,001,300	11,202,447,012		12,014,001	0,000,000	10,010,10
Irrig	ation								
	1401		40,452	96,000,000	-		-		
Stre	et Lights								
	1701		1,053,312	43,862,764	-	-	130,740	-	-
	1702		2,222,688	135,421,075		-	417,714	-	-
0.	1703		279,732	11,867,367	-	-	36,610	-	-
	1704		-	9,819,660			14,556	-	-
	1755		81,756	6,020,564			17,952	-	-
	1761		84	8,569	-		24	-	-
Sub	Total		3,637,572	207,000,000	-		617,597	-	-
Tran	nsmission								
riai	1823		1,440	13,944,736,030	1,780,206,675		26,718,429	_	
	1825		1,440	10,044,700,000	1,100,200,010		20,1.10,1.20		
	1827		144	1,228,920,339			2,281,233		
	1852		- 144	1,220,020,009			_,,	_	
			72	2,549,218		_			_
	1853		307		-	-			_
	1880			44,952,272	-		1,882,700		_
Cub	3808		12 1,975	811,989,000 16,033,146,859	1,780,206,675		30,882,362		- 1
Sub	Total		1,975	10,000,140,009	1,700,200,070		00,002,002		
Tota	al		24,556,706	40,694,373,927	13,084,438,240	71,397,367	44,114,463	9,353,603	19,015,768
Ava	Custs		2,046,392						
_	al Energy		_,,	53,850,209,534					
, - •									

# Billing Determinants - Apr 2008 Rates

Rate Code	Customer Days	Energy Block 1	Energy Block 2	Energy Block 3	Demand Block 1	Demand Block 2	Demand Block 3
Residential							
1101	548,050,448	16,513,587,826			1		
1105	040,000,440	140,390,627				_	
1107	1,854,049		4,512,897				
	1,854,049	52,501,518	4,512,697		-		
1111		-	-		-		-
1121	13,617,889	287,215,229				-	-
1127	4,103	144,408	88,704		-	-	-
1131	-		-	-	-		-
1132	1		) ×	-		-	-
1133		_	-	-	-	-	-
1148	3,752	129,988			-		
1180	26,098	696,804		_	-		
Sub Total	563,556,339	16,994,666,399	4,601,601	-	-		
General Serv	rice < 35 kW						
1205	121,277	5,708,057	2,703,292	-		-	-
1220	62,435,195	4,030,440,804	_,, 00,202				
1222	02,433,183	4,000,440,004					
	, -		-	_			
1223	*	-	4 450 405	-	-	-	-
1234	421,093	20,753,724	1,453,123	-	,		
Sub Total	62,977,564	4,056,902,586	4,156,414	-			
General Serv		0.074.575.15	0.000 704 705		7 117 150	6 000 400	2044640
1200	7,308,968	2,874,959,491	3,920,704,736	-	7,447,156	6,990,403	3,814,642
1201	56,942	24,699,815	110,952,838	-	58,901	105,297	214,903
1206	31,219	3,884,040	16,237,802	-	-	-	-
1207	5,292	894,013	10,133,784	-	-	-	-
1210	500,003	219,217,768	2,182,084,161		528,714	1,099,367	4,277,409
1211	521,650	235,024,191	5,036,548,114		555,698	1,158,536	10,708,815
1212	-	200,024,101	0,000,010,111		4,010,286	.,,,	
		6 625 672	5,528,309		3,124		
1255	20,944	6,635,672		-		-	
1265	766	568,171	170,351	-	710		-
1266	1,112	1,600,008	86,918	-	4,140	-	-
1278	380	16,794,492	-	-	5,517	-	-
1280	11,067	500,247	-	-	83	-	-
1953	380	63,695		-	175		-
1959	2,301	2,077,216		_			-
1960	4,923	4,163,168			-		
Sub Total	8,465,947	3,391,081,988	11,282,447,012	-	12,614,504	9,353,603	19,015,768
Irrigation							
1401	40,452	96,000,000		-			
0							
Street Lights					100 701		
1701	1,053,396	43,871,333		-	130,764	-	-
1702	2,222,688	135,421,075	-	-	417,714		-
1703	279,732	11,867,367			36,610	×	-
1704	-	9,819,660	-		14,556	-	
1755	81,756	6,020,564			17,952	-	-
1761	-		- "	-	-		
Sub Total	3,637,572	207,000,000	-		617,597	-	
Transmissio	n						
1823	1,440	13,944,736,030	1,780,206,675	-	26,718,429		-
1825	.,	-	.,,	_	-		
1827	144	1,228,920,339			2,281,233		
	144	1,220,320,333	_		2,201,200		_
1852	70	0.540.040		-	-		-
1853	72	2,549,218		-			-
1880	307	44,952,272		-		-	-
3808	12	811,989,000	-	-	1,882,700		
Sub Total	1,975	16,033,146,859	1,780,206,675		30,882,362	-	
Total	638,679,849	40,778,797,831	13,071,411,703	-	44,114,463	9,353,603	19,015,768
Avg Custs	2,046,392	E3 850 200 534					
Total Energy		53,850,209,534					

### Rates - Feb 2007

Residential				_	_	-		Damand	Domand
1101	Rate Code			Energy Block 1	Energy Block 2	Energy Block 3	Demand Block 1	Demand Block 2	Demand Block 3
1101	Residential								
1105			3.690	0.0615		-	-		-
11107							-		
11111					0.1056				-
1121									
1127									
1131					0.1056				
1132 3,890 0,0615 0,0691 0,1066						0.0615			
1133   3,690   0,0615   0,0691   0,0615   -   -   -   -   -     -     -									-
1148							-	-	-
1180					0.0691	0.0615	-		-
Sub Total	1148					-	-	-	-
Ceneral Service   35 kW   1205	1180		4.059	0.0677	-			-	
1205	Sub Total		-	-	-	-	-	-	
1205	General Service	< 35 kW							
1220		4 00 KVV	-	0.0335	0.0220				
1222 3.890 0.0815 0.0681									
1223									
1234						-	7		
Sub Total   Service > 35 kW   1200						-	-	-	-
Ceneral Service > 35 kW			4.415	0.0691			-		-
1200	Sub Total		-	-		•	-		-
1200	General Service	> 35 kW							
1201			4.420	0.0691	0.0332		-	3.540	6.790
1206						-	-	3.487	6.688
1207								-	-
1210								_	
1211						_	-0.250	3 290	6.540
1212									
1255						-		0.201	0.400
1265							-0.250	-	
1286						-	2.052		-
1278								-	-
1280			4.420	0.0681	0.1134	-	-0.250		-
1953	1278		-	0.0451		-	1.720		
1959	1280		4.862	0.0760		-	-		- '
1959	1953		-	0.2083			-		-
1960   -   0.1559   -   -   -   -   -   -   -   -   -			-	0.0897	-			-	
Irrigation			-						-
Irrigation								-	
Street Lights  1701	oub rotar								
Street Lights									
1701	1401		-	0.0444	-		-	-	
1701	Street Lights								
1702 20.500			11 560						4 -
1703				-			20 500		
1704 - 0.0615				-	-				
1755					-		20.500		
Transmission				0.0615	-		-	-	-
Sub Total     -     -     -     -     -       Transmission     1823     -     0.02477     0.05400     -     4.726     -     -       1825     -     -     4.726       1852     -     0.02770     -     4.726     -     -       1853     -     0.04000     -     -     -     -     -       1880     150.00     0.05400     -     -     -     -     -       3808     -     0.02770     -     -     4.726     -     -       Sub Total     -     -     -     -     -     -     -     -				-	-	-	-		-
Transmission         1823       -       0.02477       0.05400       -       4.726       -       -         1825       -       -       -       4.726       -	1761		12.590	-	-	-	-	-	-
1823     -     0.02477     0.05400     -     4.726     -     -       1825     -     0.02770     -     4.726       1852     -     0.02770     -     4.726     -     -       1853     -     0.04000     -     -     -     -     -       1880     150.00     0.05400     -     -     -     -     -       3808     -     0.02770     -     -     4.726     -       Sub Total     -     -     -     -     -     -	Sub Total		-			-			
1823     -     0.02477     0.05400     -     4.726     -     -       1825     -     0.02770     -     4.726       1852     -     0.02770     -     4.726     -     -       1853     -     0.04000     -     -     -     -     -       1880     150.00     0.05400     -     -     -     -     -       3808     -     0.02770     -     -     4.726     -       Sub Total     -     -     -     -     -     -	Transmission								
1825 1827 1827 1852 1852 - 0.02770 - 4.726 1853 - 0.04000 4.726 1880 150.00 0.05400				0.02477	0.05400		4.726		
1827     0.02770     -     4.726       1852     -     0.02770     -     -     4.726     -       1853     -     0.04000     -     -     -     -       1880     150.00     0.05400     -     -     -     -       3808     -     0.02770     -     -     4.726     -       Sub Total     -     -     -     -     -				0.02-111	- 0.00.00	_	5		
1852 - 0.02770 4.726 1853 - 0.04000				0.02770			4 726		
1853 - 0.04000									
1880 150.00 0.05400						-			-
3808 - 0.02770 4.726 Sub Total								-	-
Sub Total			150.00			-			
Sub Total			-	0.02770	-				
Total	Sub Total		-	-	-	1. ·	-	-	
I Otal	Total							-	
	lotai			-		-	_		

# Rates - Apr 2008

Rate Code	Customer/ Day	Energy Block 1	Energy Block 2	Energy Block 3	Demand Block 1	Demand Block 2	Demand Block 3
Residential							
1101	0.1256	0.0637		_		-	
1105	-	0.0347					-
1107	0.1256	0.0637	0.1056				_
1111	-	-	-	_		_	_
1121	0.1256	0.0637		100		-	
1127	0.1256	0.0637	0.1056	_			
1131		0.0007	0.1000			-	_
							_
1132							
1133	0.1256		1				
1148		0.0637		-			I .
1180	0.1380	0.0701		-	-		
Sub Total		-			-	-	-
General Service			0.0005				
1205		0.0312	0.0205				
1220	0.1354	0.0644	5	-	-	-	-
1222		-	-	-			-
1223	-	-			, -	-	-
1234	0.1354	0.0644	0.1151	-	-		
Sub Total		5.		-		-	
General Service	> 35 kW						
1200	0.1421	0.0675	0.0325	-	0.000	3.460	6.640
1201	0.1421	0.0665	0.0320	-	0.000	3.408	6.540
1206		0.0312	0.0205				-
1207		0.0312	0.0205	-	-	-	-
1210	0.1421	0.0675	0.0325	-	-0.250	3.210	6.390
1211	0.1421	0.0665	0.0320		-0.250	3.158	6.290
1212	-	-	-		-0.250	-	-
1255	0.1354	0.0644	0.1151	_	0.200	-	_
1265	0.1354	0.0644	0.1151		-0.250		_
1266	0.1354	0.0634	0.1134		-0.250		
	0.1334	0.0441	0.1104	7.5	1.681		
1278	0.1563	0.0743		0.00	- 1.001		
1280	0.1565				0.5		
1953		0.2083	-				
1959		0.0897		-	-	-	
1960		0.1559	-	-		-	
Sub Total	, -			-		-	-
Irrigation		0.0470					
1401	-	0.0472	-	-			
Street Lights							
1701	10.732	-			-	-	
1702		- 1			19.032	-	-
1703	0.576	-		-	19.032		-
1704		0.0571		-	-	-	
1755	11.716	-	-	-	-	-	- '
1761	-	-	-			-	-
Sub Total		-	-	-	- 1	-	-
Transmission							
1823		0.02452	0.05400	-	4.686	-	-
1825			-				
1827		0.02747			4.686		
1852		0.02747	, ,	2.1	4.686	- "	-
1853		0.03966	_	_	-	_	_
1880	150.00	0.05400	1	_		_	_
3808	150.00	0.03400		-	4.686		
			-		4.000	. /2	2
Sub Total			-	-	-		
Total	-	-	-	-			-

# Revenue - Feb 2007 Rates

Rate Code	Customer	Energy Block 1	Energy Block 2	Energy Block 3	Demand Block 1	Demand Block 2	Demand Block 3	Total
Decidential								
Residential	65 066 067	006 127 221						1,062,103,287
1101	65,966,067	996,137,221	-		-			4,950,617
1105	-	4,950,617	470.500	-	-	-		3,930,329
1107	224,924	3,228,843	476,562	-	-	-	-	and the same of th
1111	520,711	18,994,008		-	-	-	-	19,514,719
1121	1,131,287	13,095,207	-		-		-	14,226,494
1127	407	8,535	7,035	-		-	-	15,977
1131	504,602	118,751	65,519	4,256,881	-		-	4,945,754
1132	90	231	130	2,333	-		-	2,783
1133	16,166	1,257	706	132,698	-		2 4	150,827
1148	455	7,994		-		-	-	8,449
1180	3,483	47,174					_	50,656
Sub Total	68,368,192	1,036,589,838	549,952	4,391,912				1,109,899,894
General Service <	35 kW							
1205	-	201,284	62,603		2		-	263,887
1220	8,993,363	277,197,617	02,000					286,190,980
			760,790					1,111,719
1222	51,142	299,788		-	-			171,856
1223	6,651	100,522	64,684	-	-		-	
1234	61,122	1,434,082	167,254	-	-	-	-	1,662,459
Sub Total	9,112,278	279,233,293	1,055,330	-	-	-		289,400,901
General Service >	35 kW							
1200	1,062,103	198,642,324	130,121,316			24,746,026	25,901,417	380,473,186
1201	8,275	1,681,156	3,628,380			367,160	1,437,302	7,122,272
1206		136,964	376,033	4		-	-	512,997
	-			-	-			266,203
1207	-	31,526	234,677		(400 470)	0.040.040	07.074.050	
1210	72,658	15,147,948	72,445,194	-	(132,178)	3,616,916	27,974,252	119,124,790
1211	75,804	15,996,569	164,705,196		(138,925)	3,750,067	68,944,960	253,333,671
1212	-	-		-	(1,002,571)	-	-	(1,002,571)
1255	3,043	458,525	636,308	-	-	-	-	1,097,877
1265	111	39,261	19,607		(178)		-	58,802
1266	162	108,902	9,854		(1,035)			117,883
1278	-	757,432	-		9,489		-	766,920
1280	1,769	38,019			-		_	39,788
1953	- 1,700	13,268						13,268
			-		-			186,326
1959	-	186,326		-	-	-		
1960		649,038			(4 005 000)		404.057.004	649,038
Sub Total	1,223,925	233,887,256	372,176,567	-	(1,265,399)	32,480,168	124,257,931	762,760,448
Irrigation								
1401		4,262,400	-	-		-		4,262,400
Of so at I label								
Street Lights	10 170 007							12,176,287
1701	12,176,287	-	-	-	0.500.140	-	-	
1702		-	-	-	8,563,143	-	-	8,563,143
1703	173,434	-	-		750,510	-	-	923,944
1704		603,909	-		-	-		603,909
1755	1,031,761	-		-	-		-	1,031,761
1761	1,058	-	-	-		× .	-	1,058
Sub Total	13,382,539	603,909	-		9,313,652		-	23,300,100
Transmission								
1823	-	345,411,111	96,131,160	-	126,271,296		-	567,813,568
1825		-					×	
1827		34,041,093			10,781,107			44,822,200
1852		-			-		-	
1853		101,969	_					101,969
1880	46,050	2,427,423	v _					2,473,473
			-		8,897,640	-		31,389,736
3808 Sub Total	46,050	22,492,095 404,473,692	96,131,160	-	145,950,043			646,600,945
Total	92,132,984	1,959,050,387	469,913,010	4,391,912	153,998,297	32,480,168	124,257,931	2,836,224,689

### Revenue - Apr 2008 Rates

Rate Code	Customer	Energy Block 1	Energy Block 2	Energy Block 3	Demand Block 1	Demand Block 2	Demand Block 3	Total
Residential								
1101	68,835,136	1,051,915,544		-		-	-	1,120,750,681
1105	-	4,871,555		-	-		1 - 1	4,871,555
1107	232,869	3,344,347	476,562					4,053,777
	202,000	0,044,041	470,002					-1,000,111
1111	4 740 407	40.005.040	-	_		-		20,006,017
1121	1,710,407	18,295,610	-		-	-	-	
1127	515	9,199	9,367	-		-	-	19,081
1131		-		-	-	-	-	-
1132		-	-	-	-	-	-	*
1133	-		-	-	-	-	-	-
1148	471	8,280				-	-	8,751
1180	3,602	48,846					_	52,447
Sub Total	70,783,000	1,078,493,381	485,929	-	-	-		1,149,762,310
General Service <	35 kW							
1205		178,091	55,417		-		-	233,509
1220	8,453,725	259,560,388						268,014,113
1222	0,400,720	200,000,000			1			
		-	-					
1223	-	4 000 540	407.054	-	-		-	4 500 040
1234	57,016	1,336,540	167,254	-	-	-	-	1,560,810
Sub Total	8,510,741	261,075,019	222,672	-	-	-		269,808,432
General Service >								
1200	1,038,604	194,059,766	127,422,904	-	-	24,186,794	25,329,220	372,037,288
1201	8,092	1,642,229	3,551,878	-	-	358,862	1,405,550	6,966,611
1206	-	121,182	332,875	1 2	-		-	454,057
1207		27,893	207,743					235,636
1210	71,050	14,797,199	70,917,735		(132,178)	3,528,967	27,332,641	116,515,414
						3,658,774	67,362,733	247,815,376
1211	74,126	15,626,171	161,232,496		(138,925)	3,000,774	07,302,733	
1212				-	(1,002,571)		-	(1,002,571)
1255	2,836	427,337	636,308	-	-	-	-	1,066,481
1265	104	36,590	19,607	-	(178)	-	-	56,124
1266	151	101,495	9,854	-	(1,035)		-	110,465
1278		740,637	-		9,276		-	749,913
1280	1,730	37,168	-	-			-	38,898
1953		13,268						13,268
1959		186,326						186,326
1960	-	649,038	-					649,038
Sub Total	1,196,693	228,466,300	364,331,401	^ -	(1,265,611)	31,733,396	121,430,144 .	745,892,323
Irrigation								
Irrigation 1401		4,532,019				-	-	4,532,019
Street Lights								44 005 040
1701	11,305,046	-	-	-		-	-	11,305,046
1702		-	-	-	7,949,938	-		7,949,938
1703	161,126	-		-	696,766			857,892
1704		560,703			-		-	560,703
1755	957,853	,				-	-	957,853
1761			_					-
Sub Total	12,424,025	560,703		-	8,646,704	-	-	21,631,431
Transmission								
1823		341,924,927	96,131,160	2	125,202,559			563,258,647
		041,024,021	00,101,100		120,202,000			-
1825		22 750 440	-	-	10 690 957			44,448,299
1827		33,758,442	-	-	10,689,857	-	-	44,440,299
1852	-	,		-		-	-	101 100
1853		101,102		-	-	-	-	101,102
1880	46,050	2,427,423	-	-			-	2,473,473
3808	-	22,305,338		-	8,822,332	-	-	31,127,670
Sub Total	46,050	400,517,232	96,131,160		144,714,749	-		641,409,191
Additional Fee Re	evenue							3,200,000
Total	92,960,509	1,973,644,653	461,171,162		152,095,841	31,733,396	121,430,144	2,836,235,705
		.,,,	,,					

# Impact of Eliminating Rates

### Impact of Eliminating All-Purpose Multi-Residential Rates:

Rate Code	Customer Months	Energy Block 1 kWh	Energy Block 2 kWh	Energy Block 3 kWh	Revenue Current Rates \$	Revenue Rates 1121,1127 \$	Per Cent Increase
1131	136,749	1,930,912	948,180	69,217,585	4,945,754	5,114,984	3.4%
1132	24	3,754	1,877	22,089	2,783	2,785	0.0%
1133	4,381	20,440	10,220	2,157,693	150,827	156,135	3.5%
Total	141,154	1,955,106	960,277	71,397,367	5,099,365	5,273,903	3.4%

### Impact of Eliminating Converted House Rates:

Rate Code	Customer Months	Energy Block 1 kWh	Energy Block 2 kWh	Energy Block 3 kWh	Revenue Current Rates \$	Revenue Rate 1220	Per Cent Increase
1222	13,860	4,874,599	11,009,979		1,111,719	1,080,047	-2.8%
1223	1,802	1,634,497	936,091		171,856	172,969	0.6%
<b>Total</b>	15,662	6,509,096	11,946,070		1,283,576	1,253,015	-2.4%

# Phase Out of E-Plus Rates

Energy

Block 2 Block 1

Billing Determinants: 1105 1205 1206 140,390,627 5,708,057 4,088,464 941,067 2,845,570 17,092,423 10,667,141 1207

	Rate		Discou	unt		Per Cent
Rate Code	Block 1	Block 2	Block 1	Block 2	Revenue	Increase
Rates - Feb 1, 2007:						
1101	0.0615					
1105	0.0335		45.5%		4,703,086	
1205	0.0335	0.0220	51.5%	68.2%	253,822	
1206	0.0335	0.0220	51.5%	68.2%	512,997	
1207	0.0335	0.0220	51.5%	68.2%	266,203	
1220	0.0691					
Total					5,736,108	
Rates - April 1, 2008:	1000					
1101	0.0637					
1105	0.0347		45.5%		4,871,326	3.6% (Annual)
1205	0.0312	0.0205	51.5%	68.2%	236,558	-6.8% (Annual)
1206	0.0312	0.0205	51.5%	68.2%	478,104	-6.8% (Annual)
1207	0.0312	0.0205	51.5%	68.2%	248,096	-6.8% (Annual)
1220	0.0644					
Total					5,834,085	

### Restructuring of General Service > 35 kW Rate

	Billing Determinants	Feb 07 Rates	Feb 07 Revenue	Proposed April 08 Rates	Apr 08 Revenue	Proposed April 09 Rates	Apr 09 Revenue	Proposed April 10 Rates	Apr 10 Revenue	
Basic Charge	275,756	4.42	1,218,839	4.42	1,218,839	4.42	1,218,839	4.42	1,218,839	\$/month
Demand Charg										
First 35 kW	8,581,250		0	0	0	0	. 0	0	0	\$/kW/month
Next 115 kV			33,044,644	3.54	33,044,644	3.54	33,044,644	3.54	33,044,644	\$/kW/month
All Additions	al kW 18,851,913	6.79	128,004,487	6.79	128,004,487	6.79	128,004,487	6.79	128,004,487	\$/kW/month
Energy Charge	):									
First 14,800	kWh 3,349,753,928	0.0691	231,467,996	0.0691	231,467,996	0.0691	231,467,996	0.0691	231,467,996	\$/kWh
All Additions	al kWh 11,171,689,355	0.0332	370,900,087	0.0332	370,900,087	0.0332	370,900,087	0.0332	370,900,087	\$/kWh
Total			764,636,053		764,636,053		764,636,053		764,636,053	
February 1, 20	07 Rates:	Monthly Bill - \$								
kW\Load F	actor 25%	50%	75%							
35	446		1,172							
50	688		1,498							
75	1,092		2,041							
100	1,372		2,584							
150	1,852		3,669							
250	3,137		6,166							
500	6,349		12,408							
1000	12,773		24,891							
2000	25,622		49,858							
5000	64,169		124,759							
April 1, 2008 R	ates:									
April 1, 2000 10	ates.	Monthly Bill - \$			Difference - \$			Difference - %		
kW\Load F	actor 25%		75%	25%	50%	75%	25%	50%	75%	
35	446		1,172	0	0	0	0.0%	0.0%	0.0%	
. 50	688		1,498	0	0	0	0.0%	0.0%	0.0%	
75	1,092		2,041	0	0	0	0.0%	0.0%	0.0%	
100	1,372		2,584	0	0	0	0.0%	0.0%	0.0%	
150	1,852		3,669	0	0	0	0.0%	0.0%	0.0%	
250	3,137		6,166	0	0	0	0.0%	0.0%	0.0%	
500	6,349		12,408	0	0	0	0.0%	0.0%	0.0%	
1000	12,773		24,891	0	0	0	0.0%	0.0%	0.0%	
2000	25,622		49,858	0	0	0	0.0%	0.0%	0.0%	
5000	64,169		124,759	. 0	0	0	0.0%	0.0%	0.0%	
April 1, 2009 R	ates:									
		Monthly Bill - \$			Difference - \$			Difference - %		
kW\Load Fa	ctor 25%	50%	75%	25%	50%	75%	25%	50%	75%	
35	446	887	1,172	0	. 0	0	0.0%	0.0%	0.0%	
50	688	1,195	1,498	0	. 0	0	0.0%	0.0%	0.0%	
75	1,092		2,041	0	0	0	. 0.0%	0.0%	0.0%	
100	1,372		2,584	0	0	0	0.0%	0.0%	0.0%	
150	1,852		3,669	0	0	0	0.0%	0.0%	0.0%	
250	3,137		6,166	0	0	0	0.0%	0.0%	0.0%	
500	6,349		12,408	0	0	0	0.0%	0.0%	0.0%	
1000	12,773		24,891	0	0	0	0.0%	0.0%	0.0%	
2000	25,622		49,858	0	0	0	0.0%	0.0%	0.0%	
5000	64,169	94,464	124,759	0	0	, 0	0.0%	0.0%	0.0%	
April 1, 2010 R	ates:									
		Monthly Bill - \$			Difference - \$			Difference - %		
kW\Load Fa			75%	25%	50%	75%	25%	50%	75%	
35	446	887	1,172	0	0	0	0.0%	0.0%	0.0%	
50	688		1,498	0	. 0	0	0.0%	0.0%	0.0%	
75	1,092		2,041	0	0	0	0.0%	0.0%	0.0%	
100	1,372		2,584	. 0	0	0	0.0%	0.0%	0.0%	
150	1,852		3,669	0	0	0	0.0%	0.0%	0.0%	
	3,137		6,166	0	0	0	0.0%	0.0%	0.0%	
250						0	0.0%	0.0%	0.0%	
500	6,349		12,408	0	0					
500 1000	12,773	18,832	24,891	0	. 0	0	0.0%	0.0%	0.0%	
500		18,832 37,740								

# **Fees and Minimum Connection Charges**

Fee	Reve	nue
ree	Leve	Hue

ree Revenue:							
	Fe		F2008 Forecast Revenue (\$ million)				
	Existing	Proposed	Existing	Proposed			
	Fee	Fee	Fee	Fee	Increase		
Minimum Reconnection Charges							
Regular Hours	\$64.00	\$125.00	1.0	2.0	1.0		
Overtime	\$91.00	\$158.00	0.1	0.2	0.1		
Call Out	\$217.00	\$355.00	0.0	0.0	0.0		
Miscellaneous Charges							
Late Payment Charge	1.5%	1.5%	4.9	5.9	1.0		
Returned Cheque Charge	\$20.00	\$20.00	0.0	0.0	0.0		
Account Charge	\$10.00	\$12.40	4.7	5.8	1.1		
Transformer Rental Charge	17.0%	17.0%	0.0	0.0	0.0		
Collection Charge	\$32.00	\$39.00	0.3	0.4	0.1		
Data-Plus Service	\$360.00	\$360.00	0.0	0.0	0.0		
Call-Back Charge	\$140.00	\$194.00	0.0	0.0	0.0		
Refund Administration Fee	\$75.00	N/A	0.0	0.0	0.0		
Net Metering Site Acceptance	\$600.00	\$600.00	0.0	0.0	0.0		
Total Fee Revenue			11.0	14.2	3.2		
Minimum Connection Charges:							
Overhead - 100 Amp.	\$312.00	\$463.00					
Overhead - 200 Amp.	\$372.00	\$496.00					
Overhead - 400 Amp.	\$696.00	\$798.00					
Underground - 100 Amp.	N/A	\$605.00					
Underground - 200 Amp.	N/A	\$855.00					
Additional Meter - Same Trip	\$25.00	\$23.00					
Additional Meter - Separate Trip	\$77.00	\$92.00					
and the second s							

### **Cost of Service Data**

Cost of Service (\$ million)	Generation	Transmission	Distribution	Total	\$/kWh
Residential	592.7	205.2	434.5	1,232.3	0.0725
Gen Serv < 35 kW	130.5	35.4	68.8	234.7	0.0578
Gen Serv > 35 kW	457.9	117.0	139.6	714.5	0.0487
Irrigation	2.4	0.0	2.7	5.1	0.0534
Street Lights	6.8	2.0	9.8	18.6	0.0900
Transmission	514.6	115.4	0.8	630.9	0.0354
Total	1,704.9	475.1	656.2	2,836.2	0.0527
\$/kWh		0.0088	0.0122	0.0527	0.002
4/11	0.0017	0.000	0.0122	0.0027	
Cost of Service (\$ million)	Customer-Related	Energy-Related	Demand-Related	Total	\$/kWh
Residential	198.3		608.6	1,232.3	0.0725
Gen Serv < 35 kW	22.4	101.6	110.7	234.7	0.0578
Gen Serv > 35 kW	4.4	362.5	347.7	714.5	0.0487
Irrigation	0.4	2.4	2.3	5.1	0.0534
Street Lights	3.4	5.2	10.0	18.6	0.0900
Transmission	0.9	420.5	209.4	630.9	0.0354
Total	229.7	1,317.6	1,288.8	2,836.2	0.0527
F2008 Billing Determinants	<b>Customer-Months</b>	kWh	kW-Months	Hours/Season	
Residential	18,527,880	16,999,268,000			
Gen Serv < 35 kW	2,070,495	4,061,059,000			
Gen Serv > 35 kW	278,333	14,673,529,000	40,983,876		
			40,303,070	1,000	
Irrigation	40,452	96,000,000	047.507	1,000	
Street Lights	3,637,572	207,000,000	617,597		
Transmission	1,975	17,813,353,534	30,882,362		
Total	24,556,706	53,850,209,534	72,483,834		
Unit Costs	Per Customer/Month	Per kWh	Per kW/Month		
Residential	10.70	0.0608			
Gen Serv < 35 kW	10.80	0.0523			
Gen Serv > 35 kW	15.67	0.0247	8.48		
Irrigation		0.0534			
Street Lights		0.0900			
Transmission	450.91	0.0236	6.78		
Total	, 450.91	0.0527	0.76		
Total		0.0527			
11-14 D (E-1-07 D-4)	D O	Dec IAMIs	Des IAM/Massile	,	
Unit Revenue (Feb 07 Rates)	Per Customer/Month	Per kWh	Per kW/Month		
Residential	3.69	0.0613			
Gen Serv < 35 kW	4.40	0.0690			
Gen Serv > 35 kW	4.40	0.0413	3.79		
Irrigation		0.0444			
Street Lights		0.1126			
Transmission		0.0281	4.73		
Total		0.0527			
	Capital-Related	Unit Cost			
	Distribution Costs	(\$ per customer, kW	NPV of Unit Cost		
Distribution Extensions	(\$ million)	or fixture)	(20 Years @ 8%)	NPV Rounded	
	231.8				customer
Residential			1,474.3		
Gen Serv < 35 kW	36.5	211.7	2,078.3	200 / 1	
Gen Serv > 35 kW	73.4	21.5	211.0	200 / 1	
Irrigation	1.5	15.3	150.1	150 / 1	
Street Lights	4.3	14.2	139.2	150 / f	ixture
Total	347.5				
	65% of Capital-	Unit Cost			
	Related Dist Costs	(\$ per customer, kW	NPV of Unit Cost		
Distribution Extensions	(\$ million)	or fixture)	(20 Years @ 8%)	NPV Rounded	
Residential	125.4	81.2	797.3		customer
Gen Serv < 35 kW	24.6	142.7	1,401.3	200 / 1	
Gen Serv > 35 kW	71.8	21.0	206.4	200 / 1	
Irrigation	1.2	12.9	126.4	125 / 1	
Street Lights	2.8	9.4	92.2	100 / f	ixture
Total	225.9				

### **Monthly Bill Impacts**

	Determinants			Feb 07		Apr 08		
	Demand	Load	Monthly	Monthly	Monthly			
		Factor	Energy	Bill	Bill			
	kW	%	kWh	\$	\$	\$	%	
Residential			500	34.44	35.67	1.23	3.6%	
110 (1100)			1,000	65.19	67.52	2.33	3.6%	
			1,500	95.94	99.37	3.43	3.6%	
			2,000	126.69	131.22	4.53	3.6%	
			2,000	120.03	101.22	4.00	0.070	
Gen Serv < 35 kW			1,000	73.52	68.52	-5.00	-6.8%	
			2,000	142.62	132.92	-9.70	-6.8%	
			5,000	349.92	326.12	-23.80	-6.8%	
			10,000	695.42	648.12	-47.30	-6.8%	
	0.5	0.50/	0.000	445.00	405.40	40.00	2 20/	
Gen Serv > 35 kW	35	25%	6,388	445.80	435.48	-10.32	-2.3%	
	35	50%	12,775	887.17	866.63	-20.54	-2.3%	
	35	75%	19,163	1,171.94	1,145.10	-26.83	-2.3%	
	50	25%	9,125	688.06	672.16	-15.90	-2.3%	
	50	50%	18,250	1,194.74	1,167.35	-27.39	-2.3%	
	50	75%	27,375	1,497.69	1,463.91	-33.78	-2.3%	
		1070	27,070	1,407.00				
	75	25%	13,688	1,091.83	1,066.63	-25.20	-2.3%	
	75	50%	27,375	1,586.19	1,550.41	-35.78	-2.3%	
	75	75%	41,063	2,040.62	1,995.25	-45.36	-2.2%	
	100	25%	18,250	1,371.74	1,340.35	-31.39	-2.3%	
	100	50%	36,500	1,977.64	1,933.47	-44.17	-2.2%	
	100	75%	54,750	2,583.54	2,526.60	-56.94	-2.2%	
		0.707	07.075	1 254 20	4 000 04	44.70	0.00/	
	150	25%	27,375	1,851.69	1,809.91	-41.78	-2.3%	
	150	50%	54,750	2,760.54	2,699.60	-60.94	-2.2%	
	150	75%	82,125	3,669.39	3,589.28	-80.11	-2.2%	
	250	25%	45,625	3,136.59	3,067.03	-69.56	-2.2%	
	250	50%	91,250	4,651.34	4,549.85	-101.49	-2.2%	
	250	75%	136,875	6,166.09	6,032.66	-133.43	-2.2%	
	. 500	25%	91,250	6,348.84	6,209.85	-138.99	-2.2%	
	500	25%		,				
	500	50%	182,500	9,378.34	9,175.47	-202.87	-2.2%	
	500	75%	273,750	12,407.84	12,141.10	-266.74	-2.1%	
	1,000	25%	182,500	12,773.34	12,495.47	-277.87	-2.2%	
			365,000	18,832.34	18,426.72	-405.62	-2.2%	
	1,000	50%						
	1,000	75%	547,500	24,891.34	24,357.97	-533.37	-2.1%	
	2,000	25%	365,000	25,622.34	25,066.72	-555.62	-2.2%	
	2,000	50%	730,000	37,740.34	36,929.22	-811.12	-2.1%	
	2,000	75%	1,095,000	49,858.34	48,791.72	-1,066.62	-2.1%	
	5,000	25%	912,500	64,169.34	62,780.47	-1,388.87	-2.2%	
				94,464.34	92,436.72	-2,027.62	-2.1%	
	5,000	50%	1,825,000					
	5,000	75%	2,737,500	124,759.34	122,092.97	-2,666.37	-2.1%	

## **Appendix D**

Rate Schedules Effective April 1, 2008 (Clean)

### **TABLE OF CONTENTS**

Schedule 1101, 1121 – Residential Service	2
Schedule 1105 – Residential Service – Dual Fuel (Closed)	3
Schedule 1107, 1127 – Residential Service – Zonè II	
Schedule 1141, 1142, 1143, 1144 and 1145 – Residential Time-of-Use and CPP	7
Schedule 1148 – Residential Service – Zone II (Closed)	
Schedule 1200, 1201, 1210, 1211 – General Service (35 kW and Over)	15
Schedule 1205, 1206, 1207 – General Service – Dual Fuel (Closed)	17
Schedule 1220 – General Service (Under 35 kW)	21
Schedule 1220 – General Service (Under 35 kW) Schedule 1234 – General Service (Under 35 kW) – Zone II	23
Schedule 1253 – Distribution Service – IPP Station Service	
Schedule 1255, 1256, 1265, 1266 – General Service (35 kW and Over) – Zone II	25
Schedule 1268 – Distribution Service – IPP Distribution Transportation Access	27
Schedule 1277 – Industrial Service (Closed)	
Schedule 1278 – Power Service (Closed)	
Schedule 1289 – Net Metering Service	
Schedule 1401 – Irrigation	36
Schedule 1701 – Overhead Street Lighting	38
Schedule 1702 – Ornamental Street Lighting	
Schedule 1703 – Street Lighting Service	
Schedule 1704 – Traffic Signals, Traffic Signs & Traffic Warning Devices	43
Schedule 1755 – Private Outdoor Lighting (Closed)	44
Schedule 1823 – Transmission Service – Stepped Rate	46
Schedule 1825 – Transmission Service – Time-of-Use (TOU) Rate	49
Schedule 1827 – Transmission Service – Rate for Exempt Customers	53
Schedule 1852 – Transmission Service – Modified Demand	55
Schedule 1853 – Transmission Service – IPP Station Service	58
Schedule 1880 – Transmission Service – Standby and Maintenance Supply	59
Schedule 1890 – Transmission Service – Energy Imbalance	62
Schedule 1901 – Deferral Account Rate Rider	
Schedule 3011 – Service Available to BCTC as IOS – Energy	66
Schedule 3012 – Service Available to BCTC as IOS – Reactive Supply	68
Schedule 3013 – Service Available to BCTC as IOS – Regulation and Frequency	
Schedule 3014 – Service Available to BCTC as IOS – Spinning Reserve	70
Schedule 3015 – Service Available to BCTC As IOS – Supplemental Reserve	
Schedule 3808 – Transmission Service – FortisBC	72

### SCHEDULE 1101, 1121 - RESIDENTIAL SERVICE

Availability:

For Residential Service. Service is normally single phase, 60 hertz at the secondary potential available. In BC Hydro's discretion, service may be three phase 120/208 or 240 volts.

Applicable in:

Rate Zone I.

Rate:

1. Schedule 1101 - Residential Service

Basic Charge 12.56¢ per day All kW.h @ 6.37¢ per kW.h

2. <u>Schedule 1121</u> - <u>Multiple Residential Service</u>

Basic Charge 12.56¢ per Single-Family Dwelling per day All kW.h @ 6.37¢ per kW.h.

Minimum Charge:

Schedule 1101 - The Basic Charge.

Schedule 1121 - The Basic Charge per Single-Family Dwelling.

### Special Conditions:

- 1. The maximum capacity of all heating elements energized at any one time in any water heater served under this schedule shall not exceed the greater of 1,500 watts or 45 watts per litre (200 watts per imperial gallon) of tank capacity, except with the written permission of BC Hydro.
- 2. Schedule 1121 applies if a Premises contains more than two Single-Family Dwellings.

### Discount for Ownership of <u>Transformers</u>:

A discount of 25¢ per month per kW of maximum demand shall be applied to Schedule 1121 if a Customer supplies the transformation from a primary potential to a secondary potential. BC Hydro will install a demand meter in addition to a kilowatt hour meter. BC Hydro will install its meters at the secondary potential. The Billing Code for Schedule 1121 Customers eligible for the Discount for Ownership of Transformers shall be Schedule 1122.

### Rate Rider:

### SCHEDULE 1105 - RESIDENTIAL SERVICE - DUAL FUEL (CLOSED)

### **Availability**:

For residential space heating and water heating upon an interruptible basis.

Electricity purchased under this rate schedule will be separately metered. Service is single phase, 60 hertz, at 120/240 or 240 volts.

This schedule is available only in Premises served under this schedule on 15 January 1990 and continuously thereafter, only with respect to equipment served under this schedule on 15 January 1990 and continuously thereafter, and only in Premises where there has been no change in Customer since April 1, 2008.

#### Applicable in:

Rate Zone I in areas where, in BC Hydro's opinion, BC Hydro's transmission, sub-transmission and distribution circuit feeders are or will be capable of handling the added load.

#### Rate:

Except as stated hereunder, the rate shall be:

3.47 ¢ per kW.h

<u>Exception:</u> If during a Period of Interruption a customer has failed to comply with BC Hydro's requirement to cease the use of electricity and BC Hydro, in its sole discretion, continues to supply electricity, the rate for such electricity shall be:

19.55 ¢ per kW.h

### Period of <a href="Interruption:">Interruption:</a>

A period during which a customer is required by BC Hydro to cease the use of electricity under this rate schedule.

### Special Conditions:

- 1. BC Hydro may, at any time and from time to time, interrupt the supply of electricity under this rate schedule whenever there is a lack of surplus hydro energy and the service cannot be provided economically from other energy sources.
- 2. A customer taking service under this rate schedule is required to have, to BC Hydro's satisfaction, an installed permanent backup heating system using an alternative fuel, or an installed permanent independent electrical generating system, in good working order, and an adequate supply of fuel therefor, so that the customer can continue his heating operations when the supply of electricity is

interrupted. The output rating of the backup system must be of sufficient capacity to supply the heating load served under this rate schedule.

If at any time a customer fails to comply with the foregoing requirements, BC Hydro may immediately terminate the supply of electricity under this rate schedule to such customer.

3. BC Hydro may interrupt the supply of electricity by either manual or automatic means or by written notice by registered mail or hand delivery to the customer to cease the use of electricity under this rate schedule. A customer who has been given such written notice to cease the use of electricity under this rate schedule shall in accordance with the requirements of the notice cease such use and shall not begin to use electricity again until so authorized by BC Hydro, by written notice.

If a customer fails to comply with these requirements, BC Hydro may in its sole discretion:

- (a) continue to supply electricity, in which case the rate shall be the rate for electricity during a Period of Interruption as stated in this rate schedule, or
- (b) discontinue the supply of electricity under this rate schedule.
- 4. A customer may apply to BC Hydro to transfer the load served under this rate schedule to a residential firm schedule. BC Hydro will permit such transfer subject to receipt of three months prior notice, except that such transfer will not be permitted during a Period of Interruption. Transfer to a firm rate during a Period of Interruption will only be permitted if there is a change in registered ownership of the premises.
- 5. This rate schedule is not available to premises where electricity under it was previously supplied and discontinued except where there is a change in registered ownership of the premises.
- 6. BC Hydro will upgrade an existing service connection supplying firm load to serve additional load under this rate schedule. The charge for upgrading will be the same as applicable to a new service connection.
- 7. No other load than that stipulated in the Availability clause is permitted under this rate schedule. Any unauthorized use of electricity or any refusal by a customer to permit Access to Premises in accordance with the Terms and Conditions of BC

Hydro's Electric Tariff will result in the immediate disconnection of the service and all unauthorized consumption as estimated by BC Hydro shall be billed at the rate for electricity during a Period of Interruption as stated in this rate schedule.

- 8. In addition to and without restriction of any other limitations of liability of BC Hydro, BC Hydro shall specifically not be liable for any loss, damage, injury or expense occasioned to or suffered by any customer receiving service on this rate schedule, or by any other person, for or by reason of any interruption of electricity supply whatsoever for any reason whatsoever.
- 9. The maximum capacity of all heating elements energized at any one time in any water heater served under this schedule shall not exceed the greater of 1,500 watts or 45 watts per litre (200 watts per imperial gallon) of tank capacity, except with the written permission of BC Hydro
- 10.At the conclusion of any Period of Interruption, BC Hydro may terminate service under this rate schedule to any customer who used electricity during a Period of Interruption, unless it can be demonstrated to BC Hydro's satisfaction that adequate standby facilities exist.

Rate Rider:

### SCHEDULE 1107, 1127 - RESIDENTIAL SERVICE - ZONE II

Availability:

For Residential Service. Service is normally single phase, 60 hertz at the secondary potential available. In BC Hydro's discretion, service may be three phase 120/208 or 240 volts.

Applicable in:

Rate Zone II.

Rate:

1. Schedule 1107 - Residential Service

Basic Charge 12.56¢ per day

First 1500 kW.h per month @ 6.37¢ per kW.h All additional kW.h per month @ 10.56¢ per kW.h.

2. Schedule 1127 - Multiple Residential Service

Basic Charge 12.56¢ per single-family dwelling per day First 1500 kW.h per single-family dwelling per month

@ 6.37¢ per kW.h

All additional kW.h per month @ 10.56¢ per kW.h.

Minimum

Schedule 1107 - The Basic Charge.

Charge:

Schedule 1127 - The Basic Charge per Single-Family Dwelling.

### Special Conditions:

- 1. The maximum capacity of all heating elements energized at any one time in any water heater served under this schedule shall not exceed the greater of 1,500 watts or 45 watts per litre (200 watts per imperial gallon) of tank capacity, except with the written permission of BC Hydro.
- 2. Schedule 1127 applies if a Premises contains more than two Single-Family Dwellings.

# Discount for Ownership of <u>Transformers</u>:

A discount of 25¢ per month per kW of maximum demand shall be applied to Schedule 1127 if a Customer supplies the transformation from a primary potential to a secondary potential. BC Hydro will install a demand meter in addition to a kilowatt hour meter. BC Hydro will install its meters at the secondary potential. The Billing Code for Schedule 1127 Customers eligible for the Discount for Ownership of Transformers shall be Schedule 1128.

### Rate Rider:

### SCHEDULE 1141, 1142, 1143, 1144 AND 1145 – RESIDENTIAL TIME-OF-USE AND CPP

Availability:

Available to selected customers in the Lower Mainland (Vancouver, Burnaby, North Vancouver and West Vancouver), Campbell River and Fort St. John who apply before October 31, 2007 and at the time of application are taking service under Rate Schedules 1141, 1142, 1143, 1144, 1145 or 1101.

Applicable in:

Rate Zone 1 excluding the District of Kingsgate-Yahk and

Lardeau-Shutty Bench.

Rate:

Basic Charge:

Basic Charge 12.56¢ per day

Balancing Amount:

For rates RS1141, RS1141A, RS1141B, RS1142, RS1144, RS1144A and RS1145 a Monthly Balancing Amount equal to the annual revenue difference between billing the historical consumption under RS1101 and the Time-Of-Use (TOU) rate, divided into four equal amounts to be applied to the first four bills. For rate RS1143, a Monthly Balancing Amount equal to the annual revenue difference between billing the historical consumption under RS1101 and the TOU rate, divided into twelve

equal amounts to be applied to the twelve monthly bills. The
Monthly Balancing Amount calculations are defined in Electric

Tariff Supplement No. 73 Revised, Appendix F of the Conservation Research Initiative Residential Time of Use

Application for 2007/08 (BC Hydro, August, 2007) (the "CRI TOU

Application").

### **Energy Charge:**

A monthly amount equal to the sum of the quantity of energy delivered during off-peak hours multiplied by the off-peak rate and the quantity of energy delivered during peak hours multiplied by the peak rate, where peak rate, peak hours, off-peak rate and off-peak hours are as defined in the following eight rate schedules. For RS1141B, the Critical Peak Pricing (CPP) rate will be applied to any energy delivered during CPP event periods as outlined in Electric Tariff Supplement No. 73 Revised. Participating customers will be assigned a rate schedule applicable in their service area as outlined in the CRI TOU Application.

### For Lower Mainland and Fort St. John

RS 1141: Peak Rate: 19.0 cents per kWh

Peak hours: 4:00 p.m. to 9:00 p.m. on all weekdays that are not Statutory Holidays in each of the months November to February inclusive.

Off-peak Rate: 6.37 cents per kWh

Off-peak hours: All hours in a year that are not peak hours.

### For Lower Mainland

RS1141A: Peak Rate: 19.0 cents per kWh

Peak hours: 4:00 p.m. to 8:00 p.m. on all weekdays that are not Statutory Holidays in each of the months November to February inclusive.

Off-peak Rate: 6.37 cents per kWh

Off-peak hours: All hours in a year that are not

peak hours.

### For Lower Mainland

RS 1141B: CPP Rate: 50.0 cents per kWh

Peak Rate: 19.0 cents per kWh

Peak hours: 4:00 p.m. to 9:00 p.m. on all weekdays that are not Statutory Holidays in each of the months

November to February inclusive.

CPP hours: 4:00 p.m. to 9:00 p.m. on any weekday or weekend day that CPP events are called. A maximum of 50 CPP hours will be called November to February inclusive.

Off-peak Rate: 6.37 cents per kWh

Off-peak hours: All hours in a year that are not peak hours.

### For Lower Mainland and Fort St. John

RS1142: Peak Rate: 25.0 cents per kWh

Peak hours: 4:00 p.m. to 9:00 p.m. on all weekdays that are not Statutory Holidays in each of the months November to February inclusive.

Off-peak Rate: 6.37 cents per kWh

Off-peak hours: All hours in a year that are not peak hours.

### For Lower Mainland

RS 1143: Peak Rate: 28.0 cents per kWh

Peak hours: 4:00 p.m. to 9:00 p.m. on all weekdays that are not Statutory Holidays in each of the months November to February inclusive.

Off-peak Rate: 4.5 cents per kWh

Off-peak hours: All hours in a year that are not peak hours.

### For Campbell River

RS 1144: Winter

Peak Rate: 15.0 cents per kWh

Peak hours: 8:00 a.m. to 11:00 a.m. and 4:00 p.m. to 8:00 p.m. on all weekdays that are not Statutory Holidays in each of the months November to February inclusive.

Off-peak Rate: 4.5 cents per kWh

Off-peak hours: All hours in each of the months November to February inclusive that are not peak hours

Non-winter

Off-peak Rate: 6.37 cents per kWh

Off-peak hours: All hours in each of the months March to October inclusive. There are no peak hours or peak quantities in these months.

### For Campbell River

RS 1144A: Winter

CPP Rate: 50.0 cents per kWh

Peak Rate: 15.0 cents per kWh

Peak hours: 8:00 a.m. to 11:00 a.m. and 4:00 p.m. to 8:00 p.m. on all weekdays that are not Statutory Holidays in each of the months November to February inclusive.

CPP hours: 8:00 a.m. to 11:00 a.m. and 4:00 p.m. to 8:00 p.m. on any weekday or weekend day that CPP events are called. A maximum of 70 CPP hours will be called November to February inclusive.

Off-peak Rate: 4.5 cents per kWh

Off-peak hours: All hours in each of the months November to February inclusive that are not peak hours

Non-winter

Off-peak Rate: 6.37 cents per kWh

Off-peak hours: All hours in each of the months March to October inclusive. There are no peak hours or peak quantities in these months.

### For Campbell River

RS 1145: Winter

Peak Rate: 20.0 cents per kWh

Peak hours: 8:00 a.m. to 11:00 a.m. and 4:00 p.m. to 8:00 p.m. on all weekdays that are not Statutory Holidays in each of the months November to February inclusive.

Off-peak Rate: 4.5 cents per kWh

Off-peak hours: All hours in each of the months November to February inclusive that are not peak hours

Non-winter

Off-peak Rate: 6.37 cents per kWh

Off-peak hours: All hours in each of the months March to October inclusive. There are no peak hours or peak quantities in these months.

### **Definitions:**

Statutory Holidays for the purpose of this Rate Schedule during the months November through February are Remembrance Day, Christmas Day and New Years Day.

### Special Conditions:

- Service under this rate schedule will be provided from November 1, 2007 through October 31, 2008. For meters that are installed after November 1, service under this rate schedule will be provided from November 15, 2007 or from December 1, 2007, as determined by BC Hydro following installation of the required meter at the customer's premises, through October 31, 2008. After October 31, 2008, or if the customer earlier terminates or is no longer eligible for service under the residential TOU rate, service will be provided under rate schedule RS1101.
- 2. A bill guarantee which is defined in Electric Tariff Supplement No. 73, Revised, Appendix F, of the CRI Residential TOU for 2007/08 Application, is provided under the rate schedule.
- 3. The terms and conditions of the critical peak pricing rates RS1141B and RS1144A are provided in Electric Tariff Supplement No. 73 Revised, Appendix F, of the CRI Residential TOU for 2007/08 Application.

### Taxes:

The rate charges contained herein are exclusive of the Goods and Services Tax.

### Rate Rider:

### SCHEDULE 1148 - RESIDENTIAL SERVICE - ZONE II (CLOSED)

Availability:

For Residential Service in Rate Zone II where a permanent electric space heating system is in use, providing the aforesaid system was

installed prior to 10 October 1966.

This schedule is available only to a Customer and Premises served under this rate schedule on 24 April 1992 and continuously thereafter.

Applicable in:

Rate Zone II.

Rate:

Basic Charge 12.56¢ per day

All kW.h @ 6.37¢ per kW.h.

Minimum Charge: The Basic Charge.

<u>Charge</u>:

Special Condition:

The maximum capacity of all heating elements energized at any one time in any water heater served under this schedule shall not exceed the greater of 1,500 watts or 45 watts per litre (200 watts per imperial gallon) of tank capacity, except with the written permission of BC Hydro.

Rate Rider:

### SCHEDULE 1200, 1201, 1210, 1211 – GENERAL SERVICE (35 KW AND OVER)

Availability:

For all purposes. Supply is 60 hertz, single or three phase at secondary or primary potential. BC Hydro reserves the right to determine the potential of the service connection.

Applicable in:

Rate Zone I.

Rate:

Basic Charge 14.21¢ per day

**Demand Charge** 

First 35 kW of billing demand per month @ \$0.00 per kW Next 115 kW of billing demand per month @ \$3.46 per kW All additional kW of billing demand per month @ \$6.64 per kW

plus

### **Energy Charge**

First 14800 kW.h per month @ 6.75¢ per kW.h All additional kW.h per month @ 3.25¢ per kW.h

### **Discounts**

- 1. A discount of 1½% shall be applied to the above rate if a Customer's supply of electricity is metered at a primary potential.
- 2. A discount of 25¢ per month per kW of billing demand shall be applied to the above rate if a Customer supplies transformation from a primary potential to a secondary potential.
- 3. If a Customer is entitled to both of the above discounts, the discount for metering at a primary potential shall be applied first.

Billing Codes:

Schedule 1200

applies if a Customer's supply of electricity is metered at a secondary potential and BC Hydro supplies transformation from a primary potential to a secondary potential.

Schedule 1201

applies if a Customer's supply of electricity is

metered at a primary potential and BC Hydro supplies transformation from a primary potential to a secondary potential.

#### Schedule 1210

applies if a Customer's supply of electricity is metered at a secondary potential and the Customer supplies transformation from a primary potential to a secondary potential.

### Schedule 1211

applies if a Customer's supply of electricity is metered at a primary potential and the Customer supplies transformation from a primary potential to a secondary potential.

### Billing Demand:

The Demand for billing purposes shall be the highest kW demand in the billing period.

### Monthly Minimum Charge:

50% of the highest maximum demand charge billed in any month wholly within an on-peak period during the immediately preceding eleven months. For the purpose of this provision an on-peak period commences on 1 November in any year and terminates on 31 March of the following year.

### Special Condition:

A demand meter will normally be installed. Prior to the installation of such a meter, or if such a meter is not installed, the demand for billing purposes shall be the assessed demand estimated by BC Hydro.

#### Rate Rider:

### SCHEDULE 1205, 1206, 1207 – GENERAL SERVICE – DUAL FUEL (CLOSED)

Availability:

For general space heating, water heating and industrial process heating upon an interruptible basis.

Electricity purchased under these rate schedules will be separately metered. Service is 60 hertz single or three phase at the secondary or primary potential available. BC Hydro reserves the right to determine the potential of the service connection.

This schedule is available only in Premises served under this schedule on 15 January 1990 and continuously thereafter, only with respect to equipment served under this schedule on 15 January 1990 and continuously thereafter, and only in Premises where there has been no change in Customer since April 1, 2008.

Applicable in:

Rate Zone I in areas where, in BC Hydro's opinion, BC Hydro's transmission, sub-transmission and distribution circuit feeders are or will be capable of handling the added load.

Rate:

Except as stated hereunder the rate shall be:

First 8000 kW.h per month @ 3.12¢ per kW.h All additional kW.h per month @ 2.05¢ per kW.h

<u>Exception:</u> If during a Period of Interruption a customer has failed to comply with BC Hydro's requirement to cease the use of electricity and BC Hydro, in its sole discretion, continues to supply electricity, the rate for such electricity shall be:

19.55 ¢ per kW.h

Period of Interruption:

A period during which a customer is required by BC Hydro to cease the use of electricity under these rate schedules.

Billing Codes:

Schedule 1205 Small Commercial Applications:

Applies to a Customer whose interruptible heating load is mostly in support of a commercial activity and whose firm electricity is billed on a general service (under 35 kW) rate schedule.

Schedule 1206

Large Commercial Applications:

Applies to a Customer whose interruptible heating load is mostly in support of a commercial activity

and whose firm electricity is billed on a general service (35 kW and over) rate schedule.

### Schedule 1207

**Industrial Applications:** 

Applies to a Customer whose interruptible heating load is mostly in support of an industrial activity and whose firm electricity is billed on a general service rate schedule or for farm use on a residential rate schedule.

### Special Conditions:

- 1. BC Hydro may, at any time and from time to time, interrupt the supply of electricity under these rate schedules whenever there is a lack of surplus hydro energy and the service cannot be provided economically from other energy sources.
- 2. A customer taking service under these rate schedules is required to have, to BC Hydro's satisfaction, an installed permanent backup heating system using an alternative fuel, or an installed permanent independent electrical generating system, in good working order, and an adequate supply of fuel therefor, so that the customer can continue his heating operations when the supply of electricity is interrupted. The output rating of the backup system must be of sufficient capacity to supply the heating load served under these rate schedules.

If at any time a customer fails to comply with the foregoing requirements, BC Hydro may immediately terminate the supply of electricity under these rate schedules to such customer.

3. BC Hydro will interrupt the supply of electricity by either manual or automatic means or by written notice by registered mail or hand delivery to the customer to cease the use of electricity under these rate schedules. A customer who has been given such written notice to cease the use of electricity under these rate schedules shall in accordance with the requirements of the notice cease such use and shall not begin to use electricity again until so authorized by BC Hydro, by written notice.

If a customer fails to comply with these requirements, BC Hydro may in its sole discretion:

- (a) continue to supply electricity, in which case the rate shall be the rate for electricity during a Period of Interruption as stated in these rate schedules. or
- (b) discontinue the supply of electricity under these rate schedules.

- 4. The initial contract period for dual fuel interruptible service under these rate schedules is:
  - (a) 1 year where no new facility is required to be constructed or the only facility required to be constructed by BC Hydro to serve the customer is a drop service, or
  - (b) 2 years where more than a drop service is required to be constructed by BC Hydro to serve the customer.

At the expiration of a contract period, the contract period is automatically extended from year to year unless either the customer or BC Hydro gives written notice to the other 30 days prior to the anniversary date. Transfer of the load served under these schedules to a general firm schedule will not be permitted during a Period of Interruption.

- 5. These rate schedules are not available to premises where electricity under it was previously supplied and discontinued except where there is a change in registered ownership of the premises.
- 6. BC Hydro will upgrade an existing service connection supplying firm load to serve additional load under these rate schedules. The charge for upgrading will be the same as applicable to a new service connection.
- 7. For existing customers adding load to take service under these rate schedules, and where an overhead distribution extension is required to accommodate such added load BC Hydro will contribute toward the estimate cost of the extension an amount not exceeding two times the annual revenue as estimated by BC Hydro to be received by the applicant. Any excess cost shall be contributed by the applicant.
- 8. No other load than that stipulated in the Availability clause is permitted under this rate schedule. Any unauthorized use of electricity or any refusal by a customer to permit Access to Premises in accordance with the Terms and Conditions of BC Hydro's Electric Tariff will result in the immediate disconnection of the service and all unauthorized consumption as estimated by BC Hydro shall be billed at the rate for electricity during a Period of Interruption as stated in these rate schedules.
- 9. In addition to and without restriction of any other limitations of liability of BC Hydro, BC Hydro shall specifically not be liable for any loss, damage, injury or expense occasioned to or suffered by any customer receiving service on these rate schedules, or by any

other person, for or by reason of any interruption of electricity supply whatsoever for any reason whatsoever.

10.A customer who signs a contract with BC Hydro for the supply of electricity to new load under these rate schedules during the period commencing 1 July 1988 and ending 31 December 1988 shall be eligible to receive an incentive rebate on his electricity bills provided the customer begins taking service under these rate schedules no later than twelve months following the date the contract was signed.

A rebate shall be applied to reduce the effective rate to 1.1  $\phi$  per kW.h. Such rebate will apply only to an accumulated maximum of \$30.00 per kW of connected new load in excess of 35 kW and only up to the first two years following connection. Bills for energy consumed shall be calculated and presented at full rates with the rebate for any given period applied to the following bill. The maximum two year period of billing rebates shall be extended by the equivalent of any Period of Interruption. Rebates shall not be applied to reduce the rate applicable for consumption during a Period of Interruption, nor shall rebates be applied to reduce power factor surcharges.

11.At the conclusion of any Period of Interruption, BC Hydro may terminate service under these rate schedules to any customer who used electricity during a Period of Interruption, unless it can be demonstrated to BC Hydro's satisfaction that adequate standby facilities exist.

Rate Rider:

### SCHEDULE 1220 - GENERAL SERVICE (UNDER 35 KW)

Availability:

For all purposes where a demand meter is not installed because the Customer's demand as estimated by BC Hydro is less than 35 kW.

Supply is 60 hertz, single or three phase at a secondary potential.

Applicable in:

Rate Zone I.

Rate:

Basic Charge 13.54¢ per day

All kW.h @ 6.44¢ per kW.h.

Minimum Charge:

The Basic Charge.

Special

Conditions for Unmetered Service:

- BC Hydro may permit unmetered service under this rate schedule if it can estimate to its satisfaction the energy used in kilowatt hours over a period of two months based on the connected load and the hours of use.
- 2. The Customer if required by BC Hydro shall provide and maintain such controls, including timing devices, as BC Hydro considers may be necessary and facilities satisfactory to BC Hydro for the maintenance or the aforesaid controls.
- 3. The hours of use per period shall be either
  - (a) those specified by the Customer, or
  - (b) those estimated by BC Hydro,

whichever is the greater.

- The Customer shall supply, install and maintain all wiring, fixtures, control devices and equipment, including the controls and devices described in Condition 2, at the expense of the Customer.
- 5. All wiring, fixtures, control devices and equipment and the method of installing, operating and maintaining the same are subject to the approval of BC Hydro which approval may be withdrawn by BC Hydro, at any time, at BC Hydro's sole discretion.

- 6. The Customer shall notify BC Hydro immediately of any proposed or actual change in load, or load characteristics, or hours of use.
- 7. BC Hydro may at any time, in its sole discretion, install a meter or meters, and thereafter bill the Customer on the appropriate rate schedule as a metered account.
- 8. For display signs and signboard lighting, where hours of use are controlled by timing devices, the following turn-on times shall apply, unless BC Hydro shall otherwise agree in writing:

<u> </u>	Turn-on Time		
1 January	-	15 January	4:00 p.m.
16 January	_	28 February	4:30 p.m.
1 March	-	30 April	6:30 p.m.
1 May	_	15 August	8:30 p.m.
16 August	-	30 September	6:30 p.m.
1 October	-	15 November	4:30 p.m.
16 Novembe	r -	31 December	4.00 p.m.

9. In all cases, where hours of use of display signs or signboard lighting commence at dusk and are controlled either by timing devices or by photo-electric cells, the following hours of use for a period of two months shall be deemed for billing purposes:

Dusk to 10 p.m. - 216 hours Dusk to 11 p.m. - 270 hours Dusk to 12 p.m. - 330 hours Dusk to 1 a.m. - 380 hours Dusk to Dawn - 666 hours

(All times are Pacific Time.)

Rate Rider:

### SCHEDULE 1234 - GENERAL SERVICE (UNDER 35 KW) - ZONE II

Availability:

For all purposes where a demand meter is not installed because the

Customer's demand as estimated by BC Hydro is less than 35 kW.

Supply is 60 hertz, single or three phase at an available secondary

potential.

Applicable in:

Rate Zone II.

Rate:

Basic Charge 13.54¢ per day

First 7000

kW.h per month @

6.44¢ per kW.h

All additional kW.h per month @ 11.51¢ per kW.h

Minimum Charge:

The Basic Charge.

Special

Same as in Schedule 1220.

Conditions for Unmetered

Service:

Rate Rider:

The Deferral Account Rate Rider as set out in Rate Schedule 1901

applies to all charges payable under this Rate Schedule, before taxes

and levies.

#### SCHEDULE 1253 – DISTRIBUTION SERVICE – IPP STATION SERVICE

Availability:

For Customers who are Independent Power Producers (IPPs) served at distribution voltage, subject to the Special Conditions below.

Applicable in:

Rate Zone I excluding Districts of Kingsgate-Yahk and Lardeau-Shutty

Bench.

Rate:

**Energy Charge:** 

The sum, over the Billing Period, of the hourly energy consumed multiplied by the entry in the Dow Jones Mid-Columbia (Mid-C) Firm Electricity Price Index for HLH and LLH that corresponds to the time when consumption occurred, during that

hour.

Monthly Minimum Charge:

\$26.64

Special Conditions:

- 1. BC Hydro agrees to provide Electricity under this Schedule to the extent that it has energy and capacity to do so.
- 2. BC Hydro may, without notice to the Customer, terminate the supply of Electricity under this Schedule if at any time BC Hydro does not have sufficient energy or capacity.
- 3. Prior to taking Electricity under this Schedule, the Customer may be required to obtain approval from BC Hydro. BC Hydro will advise the Customer of the need to obtain approval prior to the taking of energy under this Schedule.
- 4. Electricity taken under this Schedule is to be used solely for maintenance and black-start requirements and shall not displace Electricity that would normally be generated by the Customer.

Rate Rider:

### SCHEDULE 1255, 1256, 1265, 1266 – GENERAL SERVICE (35 KW AND OVER) - ZONE II

Availability:

For all purposes. Supply is 60 hertz, single or three phase at secondary or primary potential. BC Hydro reserves the right to determine the potential of the service connection.

Applicable in:

Rate Zone II.

Rate:

Basic Charge 13.54¢ per day

First

200 kW.h per kW of demand per month

@ 6.44¢ per kW.h

All additional kW.h per month @ 11.51¢ per kW.h.

### **Discounts**

- A discount of 11/2% shall be applied to the above rate if a Customer's supply of electricity is metered at a primary potential.
- A discount of 25¢ per month per kW of billing demand shall be applied to the above rate if a Customer supplies transformation from a primary to a secondary potential.
- If a Customer is entitled to both of the above discounts the discount for metering at a primary potential shall be applied first.

### Billing Codes:

Schedule 1255 applies if a Customer's supply of electricity is metered at a secondary potential and BC Hydro supplies transformation from a primary potential to a secondary potential.

Schedule 1256 applies if a Customer's supply of electricity is metered at a primary potential and BC Hydro supplies transformation from a primary potential to a secondary potential.

Schedule 1265 applies if a Customer's supply of electricity is metered at a secondary potential and the Customer supplies transformation from a primary potential to a secondary potential.

Schedule 1266 applies if a Customer's supply of electricity is metered at a primary potential and the Customer supplies

transformation from a primary potential to a secondary potential.

### Monthly Minimum Charge:

The Monthly Minimum Charge paid by a Customer on Schedule 1255, or 1256, or 1265 or 1266 shall be the charge the Customer would have paid if he had been billed on Schedule 1200, or 1201, or 1210 or 1211 respectively.

### Special Conditions:

- 1. A demand meter will normally be installed; prior to the installation of such a meter, or if such a meter is not installed, the demand for billing purposes shall be the assessed demand estimated by BC Hydro.
- 2. Where the Customer's demand is or is likely to be in excess of 45 kV.A, then BC Hydro may require that supply to such Customer be by special contract and that such supply be subject to such special conditions as BC Hydro, in its sole discretion, considers necessary to insert in the Customer's special contract.

### Rate Rider:

### SCHEDULE 1268 – DISTRIBUTION SERVICE – IPP DISTRIBUTION TRANSPORTATION ACCESS

Availability:

For Customers who have generators connected to BC Hydro's distribution system and want access to BC Hydro's transmission system, the Wholesale Transmission Service Tariff (WTS), and Electric Tariff Supplement No. 30, subject to the Special Conditions below.

Applicable in:

Rate Zone I excluding Districts of Kingsgate-Yahk and Lardeau-Shutty Bench.

Rate:

Distribution Transportation Charge: 0.107

0.107¢ per kW.h

Special Conditions:

- 1. The Customer is required to pay the costs, including the cost of altering existing facilities, to connect the generator to B.C Hydro's distribution system in accordance with BC Hydro's Connection Requirements for Utility or Non-Utility Generation, 35 kV and Below.
- 2. For Customers with self-generation (i.e., with a Customer Baseline Load ("CBL") greater than zero), this Schedule is only applicable to sales of Surplus Energy. It may not be used by self-generating Customers who appear to have varied their demand for power from BC Hydro based on the actual or anticipated difference between BC Hydro's rate for providing service to them and the market price of power. For the purposes of this Schedule, "Surplus Energy" in any period is the energy made available from generation by the Customer calculated as the difference between the Customer's CBL and the Customer's actual consumption from BC Hydro in that period. The Customer's CBL is established, in general, by determining the Customer's electric energy consumption, on a monthly basis, for the past three years; in cases where inadequate history exists, alternative methods may be used to determine a Customer's CBL. Once established, the Customer's CBL will not be automatically adjusted for changes in the Customer's net metered consumption from BC Hydro. Any subsequent changes to the CBL must be due to changes in the Customer's load and not due to changes in its generation. The Customer must provide metered output from its generator which demonstrates an increase in generation output commensurate in time and amount with the Surplus Energy transported using this Schedule. Where it appears that the Customer has transported on this Schedule energy that is not Surplus Energy, BC Hydro will provide replacement energy to the Customer's load at market prices,

subject to Commission approval for such sales.

3. The metering point to determine the electricity being delivered to BC Hydro's distribution system will be determined by BC Hydro. The electricity delivered to BC Hydro's distribution system will also be deemed to be delivered to BC Hydro's transmission system (that is, no distribution loss adjustment will be applied to the electricity from an IPP or self-generator when determining capacity and energy delivered to BC Hydro's transmission system).

### Rate Rider:

### **SCHEDULE 1277 – INDUSTRIAL SERVICE (CLOSED)**

### Availability:

When the demand is not less than 150 kV.A for use in any one or more of electric steel making, production of metals by reduction processes, electrochemical processes and the electric heating or melting of metals or other materials when such heating or melting is part of a continuous production process.

This schedule is available only to a Customer served under this schedule on 1 January 1975 and continuously thereafter and only with respect to equipment served under this schedule on 1 January 1975 and continuously thereafter.

Service is three phase, 60 hertz at the primary potential available.

### Applicable in:

Those parts of the Lower Mainland and Vancouver Island South

served by B.C. Electric Company Ltd. on 29 March 1962.

### Rate:

First

100 kW.h per kV.A of demand per month

@ 9.21¢ per kW.h

Next

100 kW.h per kV.A of demand per month

@ 6.80¢ per kW.h

All additional kW.h per month

@ 3.79¢ per kW.h.

### Monthly Minimum Charge:

Three dollars and ninety-nine cents (\$4.06) per kV.A of billing demand.

#### Demand:

The demand used for billing purposes in any month shall be the greater of:

- (i) the maximum demand for that month, and
- (ii) 150 kV.A.

### Special Condition:

A Customer taking electricity on this schedule for the operation of an electric arc furnace shall, as a condition of service, install such inductive reactance as BC Hydro may specify. A Customer who has installed reactance as specified shall not then be required to correct for lagging power factor occasioned by the operation of the said arc furnace.

### Rate Rider:

### **SCHEDULE 1278 – POWER SERVICE (CLOSED)**

### Availability:

For power service when the demand is not less than 2000 kV.A for use in any one or more of electric steel making and the electric heating or melting of metals or other materials when such heating or melting is part of a continuous production process.

This schedule is available only to a Customer served under this schedule on 1 April 1970 and continuously thereafter.

Capacity in excess of that set out in a Customer's contract with BC Hydro, in effect on 1 April 1970, may be supplied at the sole discretion of BC Hydro.

Service is three phase, 60 hertz at a nominal potential of 12,500 volts or higher as available

### Applicable in:

Those parts of the Lower Mainland served by B.C. Electric Company Ltd. on 29 March 1962.

### Rate:

\$1.724 per kV.A by which the maximum demand per month exceeds the capacity which BC Hydro had agreed to supply under this rate schedule on 1 April 1970;

plus

4.508¢ per kW.h per month.

### Monthly Minimum

The greater of:

### Charge:

- (i) \$3.36 per kV.A of maximum demand, or
- (ii) Six thousand, six hundred and twenty-six dollars and fifty-two cents (\$6,735.19).

### Special Condition:

A Customer taking electricity on this schedule for the operation of an electric arc furnace shall, as a condition of service, install such inductive reactance as BC Hydro may specify. A Customer who has installed reactance as specified shall not then be required to correct for lagging power factor occasioned by the operation of the said arc furnace.

#### Rate Rider:

#### SCHEDULE 1289 - NET METERING SERVICE

#### Availability:

For Customers taking service under any of Rate Schedules 1101, 1107, 1200, 1201, 1210, 1211, 1220, 1234, 1255, 1256, 1265 or 1266 and who install a Generating Facility to generate electricity to serve all or part of their electricity requirements, subject to the Special Conditions below.

With the consent of BC Hydro, Customers taking service under other Rate Schedules or Customers in Rate Zone II taking service under special contract, may be admitted to service under this Rate Schedule, provided that BC Hydro is satisfied that the metering, billing and other requirements of this Rate Schedule can be met.

"Generating Facility" for purposes of this Rate Schedule means a generating facility that:

- (a) Utilizes water, wind, solar, fuel cell, geothermal, biogas, biomass, municipal solid waste, cogeneration or other energy resources or technologies meeting the requirements of the Province of British Columbia's definition of "BC Clean Electricity" to generate electricity;
- (b) Has a nameplate rating of not more than fifty (50) kilowatts; and
- (c) Is owned by the Customer and is located on the same parcel of land as the Customer's Premises for which service is being provided under any of the Rate Schedules listed above, or on an adjacent parcel of land owned or leased by the Customer, and is connected to the same Point of Delivery as the Customer's Premises being served under any of the Rate Schedules listed above:

and includes all wiring, protection-isolation devices, disconnect switches, and other equipment and facilities on the Customer's side of the Point of Delivery.

Applicable in: All Rate Zones.

Rate:

**Energy Charge:** 

Charges for Net Energy consumed by the Customer will be in accordance with the Rate Schedule under which the Customer is receiving

service from BC Hydro.

**Energy Price:** 

For all electricity represented by the Generation Credit Balance remaining in the Customer's Generation Account at any Anniversary Date,

BC Hydro shall pay 5.4¢ per kW.h.

### Metering:

- Inflows of electricity from the BC Hydro system to the Customer, and outflows of electricity from the Customer's Generating Facility to the BC Hydro system, will normally be determined by means of a single meter capable of measuring flows of electricity in both directions.
- Alternatively, if BC Hydro determines that flows of electricity in both directions cannot be reliably determined by a single meter, or that dual metering will be more cost-effective, BC Hydro may require that separate meters be installed to measure inflows and outflows of electricity.
- 3. The Customer shall install, at its cost, the meter base and any wiring, protection-isolation devices, disconnect switches, and other equipment and facilities on the Customer's side of the Point of Delivery as required under BC Hydro's "Net Metering Interconnection Requirements, 50 kW and Below". BC Hydro will supply and install the meter or meters and make the final connections.
- 4. Any meters or meters required for purposes of this Rate Schedule shall be in addition to any demand meters (if applicable) required under the Rate Schedule under which the Customer is receiving service from BC Hydro.

### Billing:

Determination of the Customer's bill will be as follows:

- Meter reading and billing frequency will be in accordance with the Rate Schedule under which the Customer is receiving service from BC Hydro.
- 2. At the end of each billing period BC Hydro will determine the "Net Energy" applicable for that billing period, defined as the difference between the electricity supplied by BC Hydro to the Customer during the billing period and the electricity delivered from the

Generating Facility to BC Hydro's system during the billing period.

- 3. If Net Energy is positive, BC Hydro will bill the Customer for the Net Energy consumed by the Customer during the billing period, subject to the application of any generation credits then in the Customer's Generation Account, as described in item 5 below.
- 4. If Net Energy is negative, BC Hydro will credit the Net Energy amount to the Customer's Generation Account, as described in item 5 below, and will bill the Customer only for the Basic Charge and Demand Charge (if applicable) under the Rate Schedule under which the Customer is receiving service from BC Hydro.
- 5. Beginning with the first billing period following the date a Customer commences taking service under this Rate Schedule, BC Hydro will establish a Generation Account for that Customer. If Net Energy is negative for that billing period, BC Hydro will credit the Net Energy amount to the Customer's Generation Account. BC Hydro will likewise follow this procedure for successive billing periods, except that if for any billing period Net Energy is positive, any credit balance then in the Customer's Generation Account will be applied to the positive Net Energy amount for that billing period until the Net Energy amount is reduced to zero.
- 6. BC Hydro will follow this procedure, and will notify the Customer of amounts credited and debited to the Generation Account and of the remaining credit balance (if any) in the Generation Account, on the bill rendered by BC Hydro for each billing period, until the end of the sixth billing period, in the case of Customers being billed bimonthly, or until the end of the twelfth billing period, in the case of Customers being billed monthly (the "Anniversary Date"). At the Anniversary Date, BC Hydro will credit any negative Net Energy amount for that billing period to the Generation Account, or apply any credits in the Generation Account to any positive Net Energy amount for that billing period, in the same manner as for prior billing periods.
- 7. If any credit balance ("Generation Account Balance") remains in the Generation Account following the procedures set forth in item 6, BC Hydro shall be deemed to have purchased that amount of electricity from the Customer, and shall be obliged to pay the Customer for that electricity at the Energy Price determined in accordance with the Rate provision of this Rate Schedule, and the Generation Account shall revert to zero.
- 8. The procedures set forth above shall apply in each succeeding 12-

Original Page 34

month period and at each succeeding Anniversary Date for so long as the Customer continues to take service under this Rate Schedule. If service under this Rate Schedule is terminated prior to any Anniversary Date, the procedures set forth above shall be applied as of the date of termination. In that event, BC Hydro will pay the amount owing in respect of any credit balance in the Generation Account to the Customer within 45 days of the date of termination, subject to any rights of deduction or set-off BC Hydro may have.

9. In no case will any credit balance in the Generation Account have any cash value or be convertible to cash, except as provided above. If the amount determined to be owing to the Customer at any Anniversary Date as set forth in item 7 above is equal to or less than the charges BC Hydro anticipates are likely to be billed to the Customer during the six month period following the Anniversary Date, BC Hydro may withhold the amount owing and credit it against charges owing by the Customer for future billing periods. If the amount determined to be owing is greater than the charges BC Hydro anticipates are likely to be billed to the Customer during the six month period following the Anniversary Date, BC Hydro shall pay the amount owing to the Customer within 45 days of the Anniversary Date.

### Special Conditions

- 1. To receive service under this Rate Schedule, the Customer must submit the required Application and enter into a "Net Metering Interconnection Agreement" (Tariff Supplement No. 63) with BC Hydro. For Generating Facilities having a rated generating capacity of greater than five (5) kilowatts, and for which BC Hydro determines that a site acceptance verification is required, the Customer must also pay the Net Metering Site Acceptance Verification Fee as set out in the Schedule of Standard Charges. The Customer must not commence parallel operation of its Generating Facility until approval has been given by BC Hydro in accordance with the Net Metering Interconnection Agreement.
- 2. The Generating Facility and all wiring, equipment and devices forming part of it, shall conform to BC Hydro's "Net Metering Interconnection Requirements, 50 kW and Below", and shall be installed, maintained and operated in accordance with those Requirements.
- 3. Service under this Rate Schedule is conditional on the continuance of service to the Customer under one or more of the Rate Schedules listed under the Availability section above, and is further conditional on the Customer being billed monthly or bi-

monthly under BC Hydro's regular billing plan. If service under the applicable Rate Schedule is suspended or terminated for any reason, or if the Customer ceases to be billed under BC Hydro's regular billing plan, service under this Rate Schedule will be deemed to have automatically been suspended or terminated concurrent with suspension or termination of service under the applicable Rate Schedule, or change to a different billing plan, as applicable.

- 4. If service under this Rate Schedule is suspended or terminated for any reason, and BC Hydro considers it necessary in its discretion for the Customer's Generating Facility to be re-inspected and approved prior to resuming parallel operation with BC Hydro's system, as provided in BC Hydro's Net Metering Interconnection Agreement, the Customer shall pay the costs that BC Hydro estimates that it will incur for the re-inspection and approval.
- 5. If the Customer voluntarily terminates service under this Rate Schedule, the Customer shall not be eligible to again take service under this Rate Schedule for a period of 12 months from the date of termination, unless BC Hydro otherwise consents.
- 6. If BC Hydro in its discretion deems it necessary to require the Customer to interrupt or disconnect its Generating Facility from BC Hydro's system, or for BC Hydro to itself effect the interruption or disconnection of the Generating Facility from its system, as provided in the Net Metering Interconnection Agreement, or as a result of the suspension or termination of service to the Customer in accordance with Special Condition 3 above, then except to the extent caused by the wilful misconduct or gross negligence of BC Hydro, its servants or agents, BC Hydro and its servants or agents shall not be liable to the Customer for any loss or damage whatsoever resulting from such interruption or disconnection.

Rate Rider:

### **SCHEDULE 1401 – IRRIGATION**

Availability:

For motor loads of 746 watts or more used for irrigation and outdoor sprinkling where electricity will be used principally during the Irrigation Season as defined below. Supply is 60 hertz, single or three phase at the secondary or primary potential available. BC Hydro reserves the right to determine the potential of the service connection.

Applicable in:

Rate Zone I.

Rate:

**During the Irrigation Season** 

3.53¢ per kW.h.

**During the Non-Irrigation Season** 

First 150 kW.h

@ 3.53¢ per kW.h

All additional kW.h

@ 26.38¢ per kW.h.

## Minimum Charge:

### **During the Irrigation Season**

\$3.53 per kilowatt of connected load per month for a period of eight months commencing in March in any year whether consumption is registered or not.

### **During the Non-Irrigation Season**

- (i) Where the consumption is 500 kW.h or less, Nil.
- (ii) Where the consumption is more than 500 kW.h, \$26.60 per kilowatt of connected load.

### Discount for Ownership of Transformers:

A discount of 25¢ per month per kW of connected load shall be applied to the above rate if a Customer supplies the transformation from a primary potential to a secondary potential. The Billing Code for Schedule 1401 Customers eligible for the Discount for Ownership of Transformers shall be Schedule 1402.

## Irrigation Season:

In respect of each service - the period commencing with a meter reading on or about 1 March in any year, with a mid-season meter reading on or about 31 July, and ending with a meter reading on or about 31 October in that same year. BC Hydro may, in its discretion extend the aforesaid period by postponing the termination date to any date not later than 30 November, for the sole purpose of permitting a Customer to fill reservoirs necessary for the operation of the irrigation

or sprinkling system.

## Non-Irrigation Season:

The period commencing at the end of one Irrigation Season and terminating at the beginning of the next Irrigation Season.

## Special Conditions:

- No equipment which has been served with electricity under this rate schedule shall be served with electricity under any other rate schedule while the Customer's agreement for service under this rate schedule is in force.
- 2. Normally the service will be energized during the Non-Irrigation Season, but will be disconnected if a Customer so requests.
- 3. The Minimum Charge during the Irrigation Season shall commence in March for an account which has not been terminated by the Customer, whether or not the service is energized and will be billed in two installments, at the end of July and at the end of October.

### Billing:

- 1. For the Irrigation Season, a bill will be rendered following the July and October meter readings. The first bill will be the greater of the energy charge or the Minimum Charge for the period 1 March to 31 July. The second bill will be the greater of the energy charge for the season or the Minimum Charge for the season, less payment received for the first billing charges.
- 2. For the Non-Irrigation Season a bill will be rendered following the March meter reading provided that there is registered consumption.

### Note:

If a motor is rated in horsepower, the conversion factor from horsepower to kilowatts shall be:

1 horsepower = 0.746 kilowatts

### Rate Rider:

### SCHEDULE 1701 - OVERHEAD STREET LIGHTING

Availability: For lighting of public highways, streets and lanes in cases where the

BC Hydro owns, installs and maintains the fixtures, conductors,

controls and poles.

Applicable in: Any area served by suitable overhead distribution lines.

Rate: Per fixture per month as hereunder:

100 watt H.P. Sodium Vapour Unit	\$9.90
150 watt H.P. Sodium Vapour Unit	11.79
200 watt H.P. Sodium Vapour Unit	13.62
*175 watt Mercury Vapour Unit	10.86
*250 watt Mercury Vapour Unit	12.51
*400 watt Mercury Vapour Unit	16.14

Wattages are lamp watts.

### Special Terms and Conditions:

### 1. Connection Charge

No charge will be made for Service Connections.

### 2. Mercury Vapour

Mercury vapour fixtures are no longer available for new installations.

### 3. Extension Policy

BC Hydro will construct a distribution extension if required by the applicant in accordance with the Terms and Conditions of the Electric Tariff as applicable.

When, at the Customer's request, a new fixture replaces an existing fixture, the Customer shall pay to BC Hydro the original cost of the existing fixture, less any accumulated depreciation, and the cost of removing the existing fixture.

<sup>\*</sup> Note Special Condition No. 2.

### 4. Relocation and Redirection of Fixtures

The Customer shall pay the full cost of relocating or redirecting fixtures when the change is made at the request of the Customer.

### 5. <u>Design</u>

BC Hydro will design the installation of overhead street lighting fixtures.

### 6. Lamps Failing to Operate

BC Hydro will, without charge, replace lamps or components which fail to operate, unless breakage is the reason for such failure in which case the Customer shall be charged the cost of the material required to make the fixture operate.

### 7. Contract Period

The term of the initial contract shall be not more than five years, renewal periods shall be for five years.

### Rate Rider:

### SCHEDULE 1702 - ORNAMENTAL STREET LIGHTING

Availability:

For lighting of public highways, streets and lanes in those cases where the Customer owns, installs and maintains the standards, fixtures, conductors and controls.

Applicable in:

All Rate Zones.

Rate:

For each fixture: 1.90¢ per watt per month.

The number of watts per fixture include the wattage of the lamp and. where applicable, the ballast.

Special Terms and

1. Service Connection

Conditions:

Where necessary BC Hydro will provide an overhead or underground Service Connection in accordance with the Terms and Conditions of the Electric Tariff. No Service Connection shall be made to add any ornamental street lighting system which does not provide for eight or more street lighting fixtures except that, if the potential is 120/240 volts then, at B.C.Hydro's discretion, a Service Connection may be made for a system of less than eight.

### 2. Extension Policy

BC Hydro will construct a distribution extension if required by the applicant in accordance with the Terms and Conditions of the Electric Tariff.

### 3. Power Factor

All installations of mercury vapour, sodium vapour or fluorescent lamps shall be equipped with the necessary auxiliaries to assure that a power factor of not less than 90% lagging, shall be maintained.

### 4. Contract Period

The term of the initial contract shall be not more than five years; renewal periods shall be for five years.

Rate Rider:

### SCHEDULE 1703 – STREET LIGHTING SERVICE

### Availability:

For lighting of public highways, streets and lanes in those cases where the Customer owns, installs and maintains the fixtures, conductors and controls on poles of BC Hydro. Available only to Customers formerly taking service on Rate Schedules 1755, 1756, 1757, 1758, 1759 or 1767, to the City of New Westminster in respect of a portion of D.L. 172, to the Municipality of Sparwood and to the City of Vancouver.

### Applicable in:

The Cities of Victoria and Prince Rupert, the Municipalities of Oak Bay, Esquimalt, Saanich and Central Saanich, the Village of Sidney, the unorganized areas of Port Renfrew and Shawnigan Lake, a portion of D.L. 172 in the City of New Westminster, Natal and the City of Vancouver.

### Rate:

The rate shall consist of two components:

(a) An energy charge of 1.90¢ per watt per month,

plus

(b) A contact charge of 57.38¢ per contact per month.

With respect to the Energy Charge - the number of watts per fixture include the wattage of the lamp and where applicable the ballast.

With respect to the Contact Charge - this is a charge per fixture for the use of pole space.

### Special Terms and Conditions:

### 1. <u>Extension Policy</u>

No extensions will be made to serve street lights under this schedule.

### 2. Power Factor

All installations of mercury vapour, sodium vapour or fluorescent lamps shall be equipped with the necessary auxiliaries to assure that a power factor of not less than 90% lagging shall be maintained.

### 3. Contract Period

The term of the initial contract shall be not more than five years; renewal periods shall be for five years.

### **BC Hydro**

Rate Schedules Effective: 01 April 2008 Original Page 42

Rate Rider:

## SCHEDULE 1704 – TRAFFIC SIGNALS, TRAFFIC SIGNS & TRAFFIC WARNING DEVICES

Availability:

For traffic signals, traffic signs and traffic warning devices on public highways where the Customer installs, owns and maintains the standards, fixtures, wiring, controls and associated equipment.

Applicable in:

All Rate Zones.

Rate:

5.71¢ per kW.h.

Special Terms 1. Service Connections

and Conditions:

Where necessary BC Hydro will provide an overhead or underground Service Connection in accordance with the Terms and Conditions of the Electric Tariff as applicable to "Service Connections".

### 2. Unmetered Service

- (a) BC Hydro may permit unmetered service under this rate schedule if it can estimate to its satisfaction the energy used in kilowatt hours over a period of one month based on the connected load and hours of use.
- (b) The Customer shall notify BC Hydro immediately of any proposed or actual change in load, or load characteristics, or hours of use.
- (c) BC Hydro, in its discretion, may at any time install a meter or meters and thereafter bill the Customer on the consumption registered.

### 3. Contract Period

The term of the initial contract shall not be more than five years; renewal periods shall be for five years.

Rate Rider:

### **SCHEDULE 1755 – PRIVATE OUTDOOR LIGHTING (CLOSED)**

### Availability:

For outdoor lighting service to illuminate property other than public streets or lanes, herein referred to as private property, where service is provided from dusk to dawn and the supply is single phase, 60 hertz at the secondary potential available.

This schedule is available only in Premises served under this schedule on 1 January 1975 and only with respect to lights served under this rate schedule on 1 January 1975 and continuously thereafter, except BC Hydro may replace a Mercury Vapour Unit with a High Pressure Sodium Unit having approximately the same equivalent light output.

Applicable in:

All Rate Zones.

Rate:

Per fixture per month as hereunder:

1. Where a light is mounted on a pole which was installed by the Customer or by BC Hydro at the Customer's expense:

175 watt Mercury Vapour Unit or replacement

\$ 9.27

100 watt H.P. Sodium Vapour Unit

400 watt Mercury Vapour Unit or replacement

\$15.98

150 watt H.P. Sodium Vapour Unit

2. Where a light is mounted on a pole which is on public property, or an easement, and is part of BC Hydro's distribution system:

175 watt Mercury Vapour Unit

\$9.85

or replacement

100 watt H.P. Sodium Vapour Unit

400 watt Mercury Vapour Unit

\$16.55

or replacement

150 watt H.P. Sodium Vapour Unit

3. Where a light is mounted on a pole which was installed on the Customer's property by BC Hydro, at its expense, soley for the purpose of supporting the light:

175 watt Mercury Vapour Unit or replacement

\$12.12

100 watt H.P. Sodium Vapour Unit

400 watt Mercury Vapour Unit or replacement 150 watt H.P. Sodium Vapour Unit \$19.08

except that if two or more lights are mounted at one time on the same pole the rates for the additional light or lights shall be as set out under Item 1 above.

## Special Conditions:

1. BC Hydro shall provide and install:

- (a) an outdoor light consisting of luminaire, mast arm, ballast, lamp and photo-electric control, and
- (b) not more than one span of overhead secondary conductors per light.
- The Customer will be required to contribute the estimated cost of any plant required to make secondary potential available at a point not more than one span from the light; such contribution is not subject to refund.
- 3. BC Hydro reserves the sole right to determine whether or not a light shall be installed on a pole which is part of BC Hydro's distribution system.
- 4. The prior approval of BC Hydro is required if a Customer intends to install his own poles, and such poles shall be maintained to BC Hydro's satisfaction at the Customer's expense.
- BC Hydro will maintain all equipment owned by BC Hydro and will replace lamps which have failed. Any breakage will be repaired by BC Hydro at the Customer's expense.
- 6. The initial contract period shall be three years and thereafter service shall be provided from month to month.

### Rate Rider:

### SCHEDULE 1823 - TRANSMISSION SERVICE - STEPPED RATE

Availability: For all purposes. Supply is at 60,000 volts or higher. Customers being

supplied with electricity under Schedule 1825 (Transmission Service Time-of-use) may only revert to service under this Schedule as

permitted under Schedule 1825.

Applicable in: Rate Zone 1 excluding the Districts of Kingsgate-Yahk and Lardeau-

Shutty Bench.

Rate: Demand Charge: \$4.686 per kV.A of Billing Demand per Billing Period.

Plus

### **Energy Charge:**

A. For new Customers and Customers supplied with Electricity under Schedule 1821 for less than 12 Billing Periods as of the date this Schedule becomes effective:

2.747 ¢ per kW.h for all kW.h per Billing Period

This rate will apply until the Customer has been supplied with Electricity under this Schedule, or under Schedule 1821 together with this Schedule, for 12 Billing Periods, after which the Customer will be supplied with Electricity at the Rate specified in Part B below.

- B. For Customers supplied with Electricity under Schedule 1821 for 12 Billing Periods or longer as of the date this Schedule becomes effective, or supplied with Electricity under Schedule 1821 together with this Schedule, for 12 Billing Periods:
  - 2.452 ¢ per kW.h applied to all kW.h up to and including 90% of the Customer's CBL in each Billing Year.
  - 5.400 ¢ per kW.h applied to all kW.h above 90% of the Customer's CBL in each Billing Year.

Note: Customers previously supplied with electricity under Schedule 1825 will be subject to the rates in Part B above from the time the Customer commences taking service under this Schedule.

Billing Year: The Billing Year is the 12 billing month period starting with the first day of the Billing Period which commences nearest to April 1<sup>st</sup> in each

year, and ending on the last day of the 12<sup>th</sup> Billing Period thereafter.

### Billing Demand:

The Demand for billing purposes shall be:

- the highest kV.A Demand during the High Load Hours (HLH) in the Billing Period; or
- 2. 75% of the highest Billing Demand for the Customer's Plant in the immediately preceding period of November to February, both months included; or
- 3. 50% of the Contract Demand stated in the Electricity Supply Agreement for the Customer's Plant,

whichever is the highest value, provided that for new Customers the Billing Demand for the initial 2 Billing Periods shall be the average of the daily highest kV.A Demands for the Customer's Plant.

The HLH period is defined as the hours from 06:00 to 22:00 Monday to Saturday, except for Statutory Holidays.

The LLH period is defined as all other hours.

Statutory Holidays for the purpose of this Schedule are New Years Day, Good Friday, Victoria Day, Canada Day, B.C, Day, Labour Day, Thanksgiving Day, Remembrance Day and Christmas Day.

### Monthly Minimum Charge:

\$4.686 per kV.A of Billing Demand

## Customer Baseline Load:

The Customer Baseline Load (CBL) is the Customer's historic annual energy consumption in kW.h as approved by the British Columbia Utilities Commission. The Customer's CBL will initially be determined by BC Hydro, and be subject to revision from time to time, in accordance with the criteria and procedures set forth in B.C.Hydro's "Customer Baseline Load (CBL) Determination Guidelines". All CBL's will be subject to final approval of the British Columbia Utilities Commission.

# Aggregation of Customer Baseline Load:

A Customer having two or more operating plants may elect to have a single aggregated CBL determined for all or any combination of its operating plants in accordance with the CBL Determination Guidelines. Thereafter, BC Hydro will issue a single bill for all operating plants included in the aggregation, and the energy charge payable will be determined on the basis of the aggregated CBL. However, the Demand

Charge will continue to be determined separately for each operating plant.

# Energy Determination under Retail Access:

If the Customer has entered into a Retail Access Program Agreement that is in effect, the quantity of Schedule 1823 energy is defined as the total metered kW.h consumption of the Customer's Plant less the Net Scheduled Output. The Net Scheduled Output is the Gross Scheduled Output adjusted by the Energy Loss Adjustment Factor of 6.28%. The Net Scheduled Output and Gross Scheduled Output are as defined in the Retail Access Program Agreement. If the Net Scheduled Output is greater than the total metered kW.h consumption of the Customer's Plant, then the quantity of Schedule 1823 energy is zero.

## Special Conditions:

The following Special Conditions are applicable to this Schedule:

- 1. If any initial, revised, or aggregate CBL for a Customer has not been determined by BC Hydro and approved by British Columbia Utilities Commission by the time the CBL would become effective, BC Hydro may determine the CBL on an interim basis, and apply the CBL so determined for purposes of any Billing Periods and bills rendered to the Customer until such time as the CBL has been finally determined and approved by the British Columbia Utilities Commission, whereupon BC Hydro will make any necessary billing adjustments.
- 2. If a Customer taking service at the rates in Part B of the Energy Charge rate section above terminates service under this Schedule prior to the end of a Billing Year, the Customer's CBL or aggregate CBL will be prorated for the portion of the Billing Year during which the Customer was taking service, and the prorated CBL or aggregate CBL will be used for purposes of applying the rates in Part B to all electricity consumption during the Billing Year up to the time of termination. BC Hydro will make any necessary billing adjustments and bill the Customer for the difference (if any) owing.

Note:

The terms and conditions under which transmission service is supplied are contained in Electric Tariff Supplements 5 and 6.

Rate Rider:

### SCHEDULE 1825 - TRANSMISSION SERVICE - TIME-OF-USE (TOU) RATE

Availability:

For Customers who provide notice by February 15<sup>th</sup> of each year and who at the time of application are eligible to take service under Schedule 1823 (Stepped Rate) at the energy charge rates set out in Part B of the Rate section of that Schedule, and who have entered into a TOU (Transmission Service) Agreement by March 15<sup>th</sup> of that year. Customers will start service under Schedule 1825 as of the Billing Period that starts closest to April 1<sup>st</sup>.

Applicable in:

Rate Zone 1 excluding the Districts of Kingsgate-Yahk and Lardeau-Shutty Bench.

Rate:

Demand Charge: \$4.686 per kV.A of Billing Demand per Billing Period

Billing Demand:

The Demand for billing purposes shall be:

- 1. the highest kV:A Demand during the High Load Hours (HLH) in the Billing Period; or
- 2. 75% of the highest Billing Demand for the Customer's Plant in the immediately preceding period of November to February, both months included; or
- 3. 50% of the Contract Demand stated in the Electricity Supply Agreement for the Customer's Plant,

whichever is the highest value.

The HLH period is defined as the hours from 06:00 to 22:00 Monday to Saturday, except for Statutory Holidays.

The LLH period is defined as all other hours.

Statutory Holidays for the purpose of this Schedule are New Years Day, Good Friday, Victoria Day, Canada Day, B.C, Day, Labour Day, Thanksgiving Day, Remembrance Day and Christmas Day.

### Energy Charge:

### Winter HLH Period

2.452 ¢ per kW.h applied to all kW.h up to and including 90% of the Customer's Winter HLH Period CBL.

6.120 ¢ per kW.h applied to all kW.h above 90% of the Customer's Winter HLH Period CBL.

The Winter Period is the 4 Billing Periods starting with the first day of the Billing Period which commences nearest to November 1st each year and ending on the last day of the 4<sup>th</sup> Billing Period thereafter.

### Winter LLH Period

2.452 ¢ per kW.h applied to all kW.h up to and including 90% of the Customer's Winter LLH Period CBL.

5.403 ¢ per kWh applied to all kW.h above 90% of the Customer's Winter LLH Period CBL.

The Winter Period is the 4 Billing Periods starting with the first day of the Billing Period which commences nearest to November 1st each year and ending on the last day of the 4<sup>th</sup> Billing Period thereafter.

### **Spring Period**

2.452 ¢ per kW.h applied to all kW.h up to and including 90% of the Customer's Spring Period CBL.

4.602 ¢ per kW.h applied to all kW.h above 90% of the Customer's Spring Period CBL.

The Spring Period is the 2 Billing Periods starting with the first day of the Billing Period which commences nearest to May 1<sup>st</sup> each year and ending on the last day of the 2<sup>nd</sup> Billing Period thereafter.

### Remaining Period

2.452 ¢ per kW.h applied to all kW.h up to and including 90% of the Customer's Remaining Period CBL applicable.

5.403 ¢ per kW.h applied to all kW.h above 90% of the Customer's Energy CBL applicable in the Billing Period.

The Remaining Period is all Billing Periods that are not within the Winter months or the Spring months.

## Customer Baseline Load:

The Customer Baseline Load (CBL) is the Customer's historic consumption (in kW.h) as approved by the British Columbia Utilities Commission. For purposes of this Schedule, the Customer's CBL will consist of four separate CBLs – one each for the Winter HLH Period, the Winter LLH Period, the Spring Period and the Remaining Period. The Customer's CBL will initially be determined by B.C.Hydro, and be subject to revision from time to time, in accordance with the criteria and procedures set forth in BC Hydro's "Customer Baseline Load (CBL) Determination Guidelines". All CBL's will be subject to final approval of the British Columbia Utilities Commission.

## Aggregation of Customer Baseline Load:

A Customer having two or more operating plants may elect to have a single aggregated CBL determined for all or any combination of its operating plants in accordance with the CBL Determination Guidelines. Separate Energy CBL values will be determined for each plant, and the values so determined will then be aggregated. Thereafter, BC Hydro will issue a single bill for all operating plants included in the aggregation, and the energy charge payable will be determined on the basis of the aggregated Energy CBL values. However, the Demand Charge will continue to be determined separately for each operating plant.

## Energy Determination under Retail Access:

If the Customer has entered into a Retail Access Program Agreement that is in effect, the quantity of Schedule 1825 energy is defined as the total metered kW.h consumption of the Customer's Plant less the Net Scheduled Output. This calculation is done separately for the HLH and LLH periods in the Winter Months. The Net Scheduled Output is the Gross Scheduled Output adjusted by the Energy Loss Adjustment Factor of 6.28%. The Net Scheduled Output and the Gross Scheduled Output are as defined in the Retail Access Program Agreement. If the Net Scheduled Output is greater than the total metered kW.h consumption of the Customer's Plant, then the quantity of Schedule 1825 energy is zero.

### <u>Definitions:</u>

Statutory Holidays for the purpose of this Rate Schedule are New Years Day, Good Friday, Victoria Day, Canada Day, B.C. Day, Labour Day, Thanksgiving Day, Remembrance Day, and Christmas Day.

## Special Conditions:

- 1. Service under this rate schedule will be provided only while the TOU (Transmission Service) Agreement is in effect.
- 2. If any initial, revised, or aggregate CBL for a Customer has not been determined by BC Hydro and approved by British Columbia

Rate Schedules Effective: 01 April 2008 Original Page 52

Utilities Commission by the time the CBL would become effective, BC Hydro may determine the CBL on an interim basis, and apply the CBL so determined for purposes of any Billing Periods and bills rendered to the Customer until such time as the CBL has been finally determined and approved by the British Columbia Utilities Commission, whereupon BC Hydro will make any necessary billing adjustments.

- 3. In accordance with the TOU (Transmission Service) Agreement, the Customer will have a period of 30 days following approval of the Customer's initial CBL by the British Columbia Utilities Commission within which the Customer may, by written notice to BC Hydro, withdraw from taking service under this Schedule, and revert to taking service under Schedule 1823 (Stepped Rate) instead. This right of withdrawal is available only when the Customer first subscribes to take service under this Schedule, and is applicable only in respect of the initial CBL determination. If the Customer exercises this right of withdrawal Schedule 1823 will apply from the commencement of the Billing Year, and BC Hydro will make any necessary billing adjustments.
- 4. Customers taking service under Schedule 1852 may not also take service under this Schedule.

Note:

The terms and conditions under which service is supplied are contained in the Electricity Supply Agreement (Electric Tariff Supplement 5) as amended by the TOU (Transmission Service) Agreement (Electric Tariff Supplement 70).

Rate Rider:

## SCHEDULE 1827 – TRANSMISSION SERVICE – RATE FOR EXEMPT CUSTOMERS

Availability:

For all purposes. Supply is at 60,000 volts or higher. Only for City of New Westminster and University of British Columbia and other Customers exempted from Rate Schedule 1823 by the British Columbia Utilities Commission.

Applicable in:

Rate Zone 1 excluding the Districts of Kingsgate-Yahk and Lardeau-Shutty Bench.

Rate:

Demand Charge: \$4.686 per kV.A of Billing Demand per Billing Period.

Plus

Energy Charge: 2.747¢ per kW.h for all kW.h in a Billing Period.

Billing Demand:

The Demand for billing purposes shall be:

- 1. the highest kV.A Demand during the High Load Hours (HLH) in the Billing Period; or
- 2. 75% of the highest Billing Demand for the Customer's Plant in the immediately preceding period of November to February, both months included; or
- 3. 50% of the Contract Demand stated in the Electricity Supply Agreement for the Customer's Plant,

whichever is the highest value.

The HLH period is defined as the hours from 06:00 to 22:00 Monday to Saturday, except for Statutory Holidays.

The LLH period is defined as all other hours.

Statutory Holidays for the purpose of this Schedule are New Years Day, Good Friday, Victoria Day, Canada Day, B.C, Day, Labour Day, Thanksgiving Day, Remembrance Day and Christmas Day.

Monthly Minimum Charge: \$4.686 per kV.A of Billing Demand

Note:

The terms and conditions under which transmission service is supplied

Rate Schedules Effective: 01 April 2008 Original Page 54

are contained in Electric Tariff Supplements 5 and 6.

Rate Rider:

#### SCHEDULE 1852 – TRANSMISSION SERVICE – MODIFIED DEMAND

Availability:

To all Customers supplied with electricity at 60,000 volts or higher who are taking service under Rate Schedule 1823 at the time of application, and are a party to a Modified Demand Agreement which is in force. The annual subscription period for new subscribers is from September 1 to October 31.

Applicable in:

Rate Zone I excluding the Districts of Kingsgate-Yahk and Lardeau-Shutty Bench.

Rate:

Billing Demand

The Demand for billing purposes shall be:

- 1. The highest kV.A demand in the Billing Period during the High Load Hours (HLH); or
- 2. 75% of the highest Billing Demand for the Customer's Plant in the immediately preceding period of November to February, both months included; or
- 3. 50% of the Contract Demand stated in the Electricity Supply Agreement for the Customer's Plant,

whichever is the highest value,

where:

"High Load Hours (HLH)" means

- (i) in the case of a Customer who is in a location, as determined by BC Hydro, which will allow BC Hydro to curtail load to alleviate a potential local or regional transmission constraint, or take advantage of a market opportunity, 06:00 hours to 10:00 hours and 16:00 hours to 20:00 hours, Monday to Friday, and
- (ii) in the case of a Customer who is in a location, as determined by BC Hydro, which will allow BC Hydro to take advantage of a market opportunity, the hours of 06:00 to 22:00 hours, Monday to Friday.

"Low Load Hours (LLH)" means all hours that are not High Load Hours.

### **Excess Demand Charge**

\$4.686 per kV.A of metered kV.A Demand in excess of the Maximum Demand Level during the Low Load Hours is applicable to this Rate Schedule,

### where:

"Maximum Demand Level" means the Maximum Demand Level(s) stated in the Modified Demand Agreement. For a Customer referred to in item (i) of the definition of High Load Hours, separate Maximum Demand Levels will be stated for (i) the Low Load Hours from 10:00 hours to 16:00 hours Monday to Friday and (ii) all other Low Load Hours. For a Customer referred to in item (ii) of the definition of Low Load Hours, a single Maximum Demand Level will be stated for all Low Load Hours.

The highest Maximum Demand Level will not exceed 95% of Contract Demand stated in the Customer's Electricity Supply Agreement, and is subject to local transmission availability.

## Special Conditions

- The provisions of Rate Schedule 1823 and the ESA continue to apply, except to the extent necessary to avoid conflict with this Rate Schedule and the Modified Demand Agreement. In the case of conflict between this Schedule or the Modified Demand Agreement and Rate Schedule 1823 and the ESA, the provisions of this Schedule and the Modified Demand Agreement shall govern.
- 2. Upon two occurrences of the following:

If for any Billing Period the total energy consumed under RS1852, during the LLH, is greater than the LLH CBL Energy by 10% or more,

The highest kV.A demand in the Billing Period during the High Load Hours (HLH) will be adjusted by a factor of the ratio of the average monthly LLH energy of the two Billing Periods which satisfied the condition above over the LLH CBL Energy. The adjustment of the highest kV.A demand will be in effect starting from the month immediately following the month of the second occurrence and continue for 12 months. The LLH CBL Energy will be recalculated using the consumption history of the most recent twelve Billing Periods,

Rate Schedules Effective: 01 April 2008 Original Page 57

### where:

"LLH CBL Energy" means the highest monthly energy consumption during the LLH over the last twelve Billing Periods, or an estimate will be made if insufficient data is available.

- 3. For the purpose of determining the minimum amount of Minimum Reduction, as stated in the Modified Demand Agreement, the general guideline will be 50% of the difference between the Maximum Demand Level and the LLH CBL Demand, but shall be in all cases, no less than 10MW.
- 4. For the purpose of determining the Maximum Number of Demand Reduction Transactions, as stated in the Modified Demand Agreement, the Maximum Duration multiplied by the Maximum Number of Demand Reduction Transactions shall be at least 48 hours.

Rate Rider:

### SCHEDULE 1853 - TRANSMISSION SERVICE - IPP STATION SERVICE

Availability: For Customers who are Independent Power Producers (IPPs) served

at transmission voltage subject to the Special Conditions below.

Applicable in: Rate Zone I excluding Districts of Kingsgate-Yahk and Lardeau-Shutty

Bench.

Rate: **Energy Charge:** The sum, over the Billing Period, of the hourly

energy consumed multiplied by the entry in the Dow Jones Mid-Columbia (Mid-C) Firm Electricity Price Index for HLH and LLH that corresponds to the time

when consumption occurred, during that hour.

Minimum

Monthly

\$26.43

Charge:

Special Conditions: BC Hydro agrees to provide Electricity under this Schedule to the

extent that it has energy and capacity to do so.

BC Hydro may, without notice to the Customer, terminate the supply of Electricity under this Schedule if at any time BC Hydro does not have sufficient energy or capacity.

Prior to taking Electricity under this Schedule, the Customer may be required to obtain approval from BC Hydro. BC Hydro will advise the Customer of the need to obtain approval prior to the taking of energy

under this Schedule.

Electricity taken under this Schedule is to be used solely for maintenance and black-start requirements and shall not displace Electricity that would normally be generated by the Customer.

Rate Rider:

The Deferral Account Rate Rider as set out in Rate Schedule 1901

applies to all charges payable under this Rate Schedule, before taxes

and levies.

### SCHEDULE 1880 – TRANSMISSION SERVICE – STANDBY AND MAINTENANCE SUPPLY

Availability:

For Customers supplied with Electricity under Schedules 1823, 1825,

1827, and 1852 subject to the Special Conditions below.

Applicable in:

Rate Zone I excluding the Districts of Kingsgate-Yahk and Lardeau-

Shutty Bench.

Rate:

The Rate per Period of Use shall be:

Administrative Charge:

\$150.00 per Period of Use

### **Energy Charge:**

For each hour during the Period of Use the Energy Charge is the Schedule 1880 Energy metered consumption (in kW.h) multiplied by 5.400¢ per kW.

Period of Use:

A period of consecutive hours during which Electricity is taken under this Schedule which may extend into subsequent Billing Periods. The Period of Use is as defined by the Customer when making the request to BC Hydro for service under Schedule 1880.

## Reference Demand:

The HLH Reference Demand is defined as the highest kV.A Demand in the HLH for the current Billing Period prior to the Period of Use excluding any prior Period of Use. If the Period of Use extends over an entire Billing Period, the highest kV.A Demand in the HLH from the prior Billing Period will be used in determining the HLH Reference Demand, excluding any Period of Use in the prior Billing Period.

For the purpose of the Reference Demand, the HLH periods are as defined per Schedule 1823, 1825, 1827 or 1852, whichever is applicable.

Schedule 1880 Energy Determination During the HLH periods, on an hourly basis, the kW.h consumption which exceeds the HLH High kW.h/hr within the Period of Use, or portion thereof.

The HLH High kW.h/hr is defined as the product of the HLH Reference Demand multiplied by the Power Factor for the half hour when the HLH Reference Demand occurred. For the purpose of the Schedule 1880 Energy Determination, the HLH periods are as defined per Schedule 1823, 1825, 1827 or 1852, whichever is applicable.

## Special Conditions:

- 1. BC Hydro agrees to provide Electricity under this Schedule to the extent that it has energy and capacity to do so.
- 2. BC Hydro may, without notice to the Customer, terminate the supply of Electricity under this Schedule if at any time during the Period of Use BC Hydro does not have sufficient energy or capacity.
- 3. This Schedule is only for the following purposes:

To provide Electricity which the Customer would otherwise generate when all or part of the Customer's electrical generating plant is curtailed.

Electricity used for this purpose may be taken on an instantaneous basis when the impact of the instantaneous pickup of loads normally provided by the Customer's electrical generation units does not occur after BC Hydro has advised the Customer that a period of system constraint or potential system constraint exists.

During periods of potential system constraints, BC Hydro will require Customers to arm load shedding relays to ensure that the loss of Electricity production from a Customer's electrical generation unit will not result in a demand greater than the Customer's Maximum kV.A Demand on BC Hydro's system. BC Hydro may require the Customer to provide it with control of these load shedding relays. During periods of potential system constraints, upon a Customer's request, BC Hydro will endeavour to provide Electricity normally provided by the Customer's electrical generation unit.

The Customer is required to advise BC Hydro within 30 minutes of taking energy under this schedule for this purpose. If the Customer fails to advise BC Hydro the subsequent measured demand and energy will be billed under Rate Schedule 1823, 1825, 1827 or 1852, whichever is applicable.

4. Electricity taken under this Schedule shall not displace Electricity otherwise to be taken by this Customer under Schedule 1823, Schedule 1825, Schedule 1827 or Schedule 1852.

Electricity taken under this Schedule shall not displace Electricity

that would normally be generated by the Customer for the purpose of re-sale.

- 5. In addition to the charges specifically set out in this Schedule, the Customer shall pay for any additional facilities required to deliver Electricity under this Schedule provided that BC Hydro obtains the prior consent of the Customer for construction of the additional facilities.
- 6. A Customer may be required to allow BC Hydro to install metering and communication equipment to measure the electricity output of the Customer's self-generation unit.
- 7. BC Hydro will bill for Electricity taken under Schedule 1880 at the same time it bills for Electricity taken under Schedule 1823, 1825, 1827 or 1852, whichever is applicable.

Note:

The terms and conditions under which transmission service is supplied are contained in Electric Tariff Supplements 5 and 6.

Rate Rider:

### SCHEDULE 1890 - TRANSMISSION SERVICE - ENERGY IMBALANCE

Availability:

For Customers supplied with Electricity under Schedule 1823 and 1825

who have entered into a Retail Access Program Agreement which is in

effect, subject to the Special Conditions below.

Applicable in:

Rate Zone I excluding the Districts of Kingsgate-Yahk and Lardeau-

Shutty Bench.

Energy Charge / Credit: **Winter Months** 

The Energy Charge / Credit is the sum of (i) the HLH Energy Imbalance Price times the HLH Incremental Energy, and (ii) the LLH Energy

Imbalance Price times the LLH Incremental Energy.

### Remaining Months

The Energy Charge / Credit is the Energy Imbalance Price times the Incremental Energy.

The Energy Charge / Credit is a charge to the Customer if the sum is greater than zero, and a credit to the Customer if the sum is less than zero.

Winter months are the 4 Billing Periods starting with the first day of the Billing Period, which commences nearest to November 1st each year, and ending on the last day of the 4<sup>th</sup> Billing Period thereafter. Remaining months are Billing Periods that are not within the Winter months.

### Incremental Energy means:

An amount of energy equal to the Net Scheduled Output in a Billing Period minus the Net Actual Output in that Billing Period. For the Winter Months, this calculation is done separately for the HLH and LLH periods within a Billing Period.

Incremental Energy may, for each Billing Period, and, where applicable, for the HLH and LLH in a Billing Period, have a value greater than or less than zero. The terms Net Scheduled Output and the Net Actual Output are as defined in the Retail Access Program Agreement.

Rate Schedules Effective: 01 April 2008 Original Page 63

Energy Imbalance Price:	<u>Pricing Period</u> Mar to Apr	Tier 1 Price (¢ / kW.h) 2.450	Tier 2 Pric 5.4	e (¢ / kW.h) 03
	May to June July to Oct	2.450 2.450	4.602 5.403	
	Nov to Feb	2.450	6.120 (HLH)	5.403 (LLH)

Pricing Period as used in the table above means (i) for the Winter months, the HLH or LLH as applicable, and (ii) for the Remaining months, all hours in the Billing Period.

Where the Incremental Energy is a positive number, the Energy Imbalance Price is the Tier 2 Price, for the respective Pricing Period.

Where the Incremental Energy is a negative number, for Incremental Energy between 0% and -10% of the Net Scheduled Output, the Energy Imbalance Price is the Tier 2 Price for the respective Pricing Period. For Incremental Energy less than -10% of the Net Scheduled Output, the Energy Imbalance price is the Tier 1 Price.

The HLH period is defined as the hours from 06:00 to 22:00 Monday to Saturday, except for Statutory Holidays. The LLH period is defined as all other hours.

Statutory Holidays for the purpose of this Schedule are New Years Day, Good Friday, Victoria Day, Canada Day, B.C. Day, Labour Day, Thanksgiving Day, Remembrance Day, and Christmas Day.

## Special Conditions:

- If the Customer's metered consumption in any Billing Period is less than the aggregate Net Actual Output of all Third Party Retail Suppliers listed in Appendix 1 to the Customer's Retail Access Program Agreement during that Billing Period, no Energy Imbalance charge is payable for that Billing Period. For the Winter Months, this determination is done separately for the HLH and LLH periods within a Billing Period.
- 2. Energy Imbalance service under this Schedule is available for Retail Access energy delivered by BCTC provided that the Customer authorizes BCTC to provide the hourly energy schedule booked with BCTC to BC Hydro, for billing purposes.

### Note:

The terms and conditions under which transmission service is supplied are contained in Electric Tariff Supplements 5 and 6.

**BC Hydro** Rate Schedules Effective: 01 April 2008 Original Page 64

Rate Rider:

Rate Schedules Effective: 01 April 2008 Original Page 65

### SCHEDULE 1901 – DEFERRAL ACCOUNT RATE RIDER

Applicability: The Deferral Account Rate Rider applies to the charges payable under

all of the other Rate Schedules in this Tariff except for Rate Schedules

3011, 3012, 3013 and 3014.

Rate: A charge of 2.0% of the amounts otherwise payable under the

applicable Rate Schedule, before taxes and levies.

Note: All revenues received from the Deferral Account Rate Rider will be

applied against the balances of the Heritage Deferral Account, the Non-Heritage Deferral Account, the Trade Income Deferral Account

and the BCTC Deferral Account.

### SCHEDULE 3011 - SERVICE AVAILABLE TO BCTC AS IOS - ENERGY

### Preamble:

Energy Service can be used by British Columbia Transmission Corporation (BCTC) to accommodate the energy differences between the scheduled and the actual delivery of energy by BCTC Transmission Customers, to a load located within BCTC's Control Area over a single hour.

The charges to BCTC for energy provided (sell price) or received (buy price) during each hour are set forth below.

### Availability:

This Schedule is available to BCTC to purchase from or sell energy to BC Hydro in support of BCTC Schedule 106, Energy Imbalance Service, for Transmission Customers using BCTC's Open Access Transmission Tariff (OATT) to serve load within BCTC's Control Area.

### Rate:

BC Hydro's hourly buy price for energy received is equal to the Dow Jones Firm Daily Mid Columbia LLH Index less Bonneville Power Authority's (BPA) wheeling rate from B.C.-U.S Border to Mid-Columbia (Mid-C). On Sundays and NERC Holidays, BC Hydro's hourly buy price is equal to the Firm Sunday and NERC Holidays Index less the wheeling rate from Mid-C to B.C.-U.S. Border. If a BC Hydro system spill occurs during the month, the buy price for all hours of the month will be zero.

BC Hydro's sell price for energy provided during High Load Hours(HLH are hours ending 0700 to 2200) is set hourly as follows: BPA's Mid-C to U.S.-B.C. Border wheeling rate will be added to the Dow Jones Firm Daily Mid Columbia HLH Index and the result will be multiplied by the following factors to derive hourly prices.

Hour 0700	0.8531	Hour 1500	0.9668
Hour 0800	0.9437	Hour 1600	0.9766
Hour 0900	0.9852	Hour 1700	1.0365
Hour 1000	0.9995	Hour 1800	1.0966
Hour 1100	1.0026	Hour 1900	1.0850
Hour 1200	0.9945	Hour 2000	1.0615
Hour 1300	0.9861	Hour 2100	1.0360
Hour 1400	0.9731	Hour 2200	1.0031

BC Hydro's hourly sell price for energy received during Low Load Hours (LLH are hours ending 2300 to 0600) is equal to the Dow Jones Firm Daily Mid Columbia LLH Index plus BPA's wheeling rate from MidC to the U.S.-B.C. Border.

BC Hydro's hourly sell price for energy received during Sundays and NERC Holidays is equal to the Dow Jones Firm Sunday and NERC Holidays Index plus BPA's wheeling rate from Mid-C to the U.S.-B.C. Border.

BPA's wheeling rate is available on the BPA OASIS website.

## Special Rate Provision:

If the aggregated consumption in a calendar week under this Schedule is less than or equal to 400 MWh, then the hourly price will be equal to the average of BC Hydro's hourly buy and sell prices, as set out in the Rate Section above.

At such time or times in a calendar week that the aggregated consumption in that week under this Schedule exceeds 400 MWh, the buy or sell price set out in the Rate Section above, as appropriate, will apply.

### Note:

BCTC will remit to BC Hydro all revenues in excess of amounts payable to BC Hydro pursuant to the Special Rate Provision that are collected through its Energy Imbalance Service rate less any cost incurred through the purchase of IOS Energy Services from suppliers other than BC Hydro.

The terms and conditions associated with this Schedule are contained in Electric Tariff Supplement No. 69.

Rate Schedules Effective: 01 April 2008 Original Page 68

## SCHEDULE 3012 – SERVICE AVAILABLE TO BCTC AS IOS – REACTIVE SUPPLY

Preamble:

In order to maintain transmission voltages on BC Hydro's transmission facilities within acceptable limits, generation facilities under the control of BCTC are operated to produce (or absorb) reactive power.

The charge for BCTC's access to BC Hydro generation plants capable of providing Reactive Supply is set forth below.

Availability:

This Schedule is available to BCTC for access to BC Hydro's generation resources capable of providing Reactive Supply.

Rate:

Rate will be determined once BCTC has established the Rate for its Reactive Supply and Voltage Control From Generation Resources Ancillary Service.

Note:

The terms and conditions associated with this Schedule are contained in Electric Tariff Supplement No. 69.

## SCHEDULE 3013 – SERVICE AVAILABLE TO BCTC AS IOS – REGULATION AND FREQUENCY

Preamble:

Regulation and Frequency Response Service is necessary to provide for the continuous balancing of resources (generation and interchange) with load, and for maintaining scheduled interconnection frequency at sixty cycles per second (60 Hz). Balancing of resources and loads is accomplished by committing on-line generation whose output is raised or lowered (predominantly through the use of automatic generating control equipment) as necessary to follow the moment-by-moment changes in load.

The charge for BCTC's use of BC Hydro's generation facilities capable of providing Regulation and Frequency Response Service is set forth below.

Availability:

This Schedule is available to BCTC to purchase Regulation and Frequency Response capacity in support of the transmission of electricity by OATT Transmission Customers.

Rate:

\$6.37 per MW per hour of generating capacity requested.

Note:

The terms and conditions associated with this Schedule are contained in Electric Tariff Supplement No. 69.

### SCHEDULE 3014 - SERVICE AVAILABLE TO BCTC AS IOS - SPINNING **RESERVE**

Preamble:

Spinning Reserve Service is needed to serve load immediately in the event of a system contingency. Spinning Reserve Service is provided by generating units that are on-line and loaded at less than maximum output.

The charge for BCTC's use of BC Hydro's generation facilities capable of providing Spinning Reserve Service is set forth below.

Availability:

This Schedule is available to BCTC to purchase Spinning Reserve capacity in support of the transmission of electricity by OATT Transmission Customers.

Rate:

\$6.20 per MW per hour of generating capacity requested.

Note:

The terms and conditions associated with this Schedule are contained

in Electric Tariff Supplement No. 69.

Rate Schedules Effective: 01 April 2008 Original Page 71

# SCHEDULE 3015 - SERVICE AVAILABLE TO BCTC AS IOS - SUPPLEMENTAL RESERVE

Preamble:

Supplemental Reserve Service is needed to serve load in the event of a system contingency; however, it is not available immediately to serve load but rather within a short period of time. Supplemental Reserve Service may be provided by generating units that are on-line but unloaded or by quick-start generation.

The charge for BCTC's use of BC Hydro's generation facilities capable of providing Supplemental Reserve Service is set forth below.

Availability:

This Schedule is available to BCTC to purchase Supplemental Reserve capacity in support of the transmission of electricity by OATT Transmission Customers.

Rate:

\$6.27 per MW per hour of generating capacity requested.

Note:

The terms and conditions associated with this Schedule are contained in Electric Tariff Supplement No. 69.

#### SCHEDULE 3808 - TRANSMISSION SERVICE - FORTISBC

Availability:

This schedule is available to FortisBC in accordance with the terms and conditions of the Agreement between BC Hydro and FortisBC entered into and deemed effective the 1st day of October 1993 (the "Power Purchase Agreement"). The Total Nominated Demand shall not exceed 200 MW.

Applicable in:

For Electricity delivered to FortisBC at each Point of Interconnection and the Point of Supply as defined in the Power Purchase Agreement.

Rate:

**Demand Charge:** 

\$4.686 per kW of Billing Demand per Billing

Month

plus

**Energy Charge:** 

2.747¢ per kW.h of Purchase Energy per

Billing Month.

<u>Billing Demand</u>: The Demand for billing purposes in any Billing Month shall be the greatest of:

- the Total Purchase Capacity for that Billing Month, plus 1.2 times the Total Excess Capacity for that Billing month; or
- 2. 75% times the sum of the highest Total Purchase Capacity registered in any of the preceding eleven months, plus 1.2 times the highest Total Excess Capacity in any of the preceding eleven months; or
- 3. 50% of the Total Nominated Capacity, plus 1.2 times the Total Excess Capacity for that Billing Month.

Excess Energy Charge: 1.15 times the Energy Charge per kW.h for each kW.h of Total Excess Energy.

Note:

The terms and conditions under which service is supplied to FortisBC are contained in the Power Purchase Agreement. This Schedule is subject to the same rate adjustments as Schedule 1827.

Rate Rider:

The Deferral Account Rate Rider as set out in Rate Schedule 1901 applies to all charges payable under this Rate Schedule, before taxes and levies.

# **Appendix D**

Rate Schedules Effective April 1, 2008 (Tracked)

# SCHEDULE 1200, 1201, 1210, 1211 – GENERAL SERVICE (35 KW AND OVER)

Availability:

For all purposes. Supply is 60 hertz, single or three phase at secondary or primary potential. BC Hydro reserves the right to determine the potential of the service connection.

Applicable in:

Rate Zone I.

Rate:

Basic Charge 14.21¢ per day

#### **Demand Charge**

First 35 kW of billing demand per month

Next 115 kW of billing demand per month

(a) \$0.00 per kW

(b) \$3.46 per kW

All additional kW of billing demand per month

(c) \$6.64 per kW

plus

### **Energy Charge**

First 14800 kW.h per month @ 6.756¢ per kW.h All additional kW.h per month @ 3.25¢ per kW.h

#### **Discounts**

- 1. A discount of 1½% shall be applied to the above rate if a Customer's supply of electricity is metered at a primary potential.
- A discount of 25¢ per month per kW of billing demand shall be applied to the above rate if a Customer supplies transformation from a primary potential to a secondary potential.
- 3. If a Customer is entitled to both of the above discounts, the discount for metering at a primary potential shall be applied first.

Billing Codes:

Schedule 1200

applies if a Customer's supply of electricity is metered at a secondary potential and BC Hydro supplies transformation from a primary potential to a secondary potential.

Schedule 1201

applies if a Customer's supply of electricity is

#### SCHEDULE 1823 – TRANSMISSION SERVICE – STEPPED RATE

Availability:

For all purposes. Supply is at 60,000 volts or higher. Customers being supplied with electricity under Schedule 1825 (Transmission Service Time-of-use) may only revert to service under this Schedule as permitted under Schedule 1825.

Applicable in:

Rate Zone 1 excluding the Districts of Kingsgate-Yahk and Lardeau-Shutty Bench.

Rate:

<u>Demand Charge:</u> \$4.68<u>6</u> 4per kV.A of Billing Demand per Billing Period.

Plus

#### **Energy Charge:**

A. For new Customers and Customers supplied with Electricity under Schedule 1821 for less than 12 Billing Periods as of the date this Schedule becomes effective:

2.7475 ¢ per kW.h for all kW.h per Billing Period

This rate will apply until the Customer has been supplied with Electricity under this Schedule, or under Schedule 1821 together with this Schedule, for 12 Billing Periods, after which the Customer will be supplied with Electricity at the Rate specified in Part B below.

- B. For Customers supplied with Electricity under Schedule 1821 for 12 Billing Periods or longer as of the date this Schedule becomes effective, or supplied with Electricity under Schedule 1821 together with this Schedule, for 12 Billing Periods:
  - 2.4520 ¢ per kW.h applied to all kW.h up to and including 90% of the Customer's CBL in each Billing Year.
  - 5.400 ¢ per kW.h applied to all kW.h above 90% of the Customer's CBL in each Billing Year.

Note: Customers previously supplied with electricity under Schedule 1825 will be subject to the rates in Part B above from the time the Customer commences taking service under this Schedule.

#### Billing Year:

The Billing Year is the 12 billing month period starting with the first day

of the Billing Period which commences nearest to April 1<sup>st</sup> in each year, and ending on the last day of the 12<sup>th</sup> Billing Period thereafter.

# Billing Demand:

The Demand for billing purposes shall be:

- 1. the highest kV.A Demand during the High Load Hours (HLH) in the Billing Period; or
- 2. 75% of the highest Billing Demand for the Customer's Plant in the immediately preceding period of November to February, both months included; or
- 3. 50% of the Contract Demand stated in the Electricity Supply Agreement for the Customer's Plant,

whichever is the highest value, provided that for new Customers the Billing Demand for the initial 2 Billing Periods shall be the average of the daily highest kV.A Demands for the Customer's Plant.

The HLH period is defined as the hours from 06:00 to 22:00 Monday to Saturday, except for Statutory Holidays.

The LLH period is defined as all other hours.

Statutory Holidays for the purpose of this Schedule are New Years Day, Good Friday, Victoria Day, Canada Day, B.C, Day, Labour Day, Thanksgiving Day, Remembrance Day and Christmas Day.

# Monthly Minimum Charge:

\$4.6864 per kV.A of Billing Demand

# Customer Baseline Load:

The Customer Baseline Load (CBL) is the Customer's historic annual energy consumption in kW.h as approved by the British Columbia Utilities Commission. The Customer's CBL will initially be determined by BC Hydro, and be subject to revision from time to time, in accordance with the criteria and procedures set forth in B.C.Hydro's "Customer Baseline Load (CBL) Determination Guidelines". All CBL's will be subject to final approval of the British Columbia Utilities Commission.

# Aggregation of Customer Baseline Load:

A Customer having two or more operating plants may elect to have a single aggregated CBL determined for all or any combination of its operating plants in accordance with the CBL Determination Guidelines. Thereafter, BC Hydro will issue a single bill for all operating plants included in the aggregation, and the energy charge payable will be

# SCHEDULE 1825 - TRANSMISSION SERVICE - TIME-OF-USE (TOU) RATE

Availability:

For Customers who provide notice by February 15<sup>th</sup> of each year and who at the time of application are eligible to take service under Schedule 1823 (Stepped Rate) at the energy charge rates set out in Part B of the Rate section of that Schedule, and who have entered into a TOU (Transmission Service) Agreement by March 15<sup>th</sup> of that year. Customers will start service under Schedule 1825 as of the Billing Period that starts closest to April 1<sup>st</sup>.

Applicable in:

Rate Zone 1 excluding the Districts of Kingsgate-Yahk and Lardeau-Shutty Bench.

Rate:

Demand Charge: \$4.6864 per kV.A of Billing Demand per Billing Period

Billing

Demand:

The Demand for billing purposes shall be:

- 1. the highest kV.A Demand during the High Load Hours (HLH) in the Billing Period; or
- 75% of the highest Billing Demand for the Customer's Plant in the immediately preceding period of November to February, both months included; or
- 3. 50% of the Contract Demand stated in the Electricity Supply Agreement for the Customer's Plant,

whichever is the highest value.

The HLH period is defined as the hours from 06:00 to 22:00 Monday to Saturday, except for Statutory Holidays.

The LLH period is defined as all other hours.

Statutory Holidays for the purpose of this Schedule are New Years Day, Good Friday, Victoria Day, Canada Day, B.C, Day, Labour Day, Thanksgiving Day, Remembrance Day and Christmas Day.

# Energy Charge:

### Winter HLH Period

2.4520 ¢ per kW.h applied to all kW.h up to and including 90% of the Customer's Winter HLH Period CBL.

6.120 ¢ per kW.h applied to all kW.h above 90% of the Customer's Winter HLH Period CBL.

The Winter Period is the 4 Billing Periods starting with the first day of the Billing Period which commences nearest to November 1st each year and ending on the last day of the 4<sup>th</sup> Billing Period thereafter.

#### Winter LLH Period

 $2.45\underline{2}\theta$  ¢ per kW.h applied to all kW.h up to and including 90% of the Customer's Winter LLH Period CBL.

5.403 ¢ per kWh applied to all kW.h above 90% of the Customer's Winter LLH Period CBL.

The Winter Period is the 4 Billing Periods starting with the first day of the Billing Period which commences nearest to November 1st each year and ending on the last day of the 4<sup>th</sup> Billing Period thereafter.

### Spring Period

2.4520 ¢ per kW.h applied to all kW.h up to and including 90% of the Customer's Spring Period CBL.

4.602 ¢ per kW.h applied to all kW.h above 90% of the Customer's Spring Period CBL.

The Spring Period is the 2 Billing Periods starting with the first day of the Billing Period which commences nearest to May 1<sup>st</sup> each year and ending on the last day of the 2<sup>nd</sup> Billing Period thereafter.

# Remaining Period

2.4520 ¢ per kW.h applied to all kW.h up to and including 90% of the Customer's Remaining Period CBL applicable.

5.403 ¢ per kW.h applied to all kW.h above 90% of the Customer's Energy CBL applicable in the Billing Period.

# SCHEDULE 1827 – TRANSMISSION SERVICE – RATE FOR EXEMPT CUSTOMERS

Availability:

For all purposes. Supply is at 60,000 volts or higher. Only for City of New Westminster and University of British Columbia and other Customers exempted from Rate Schedule 1823 by the British Columbia Utilities Commission.

Applicable in:

Rate Zone 1 excluding the Districts of Kingsgate-Yahk and Lardeau-Shutty Bench.

Rate:

<u>Demand Charge:</u> \$4.68<u>6</u>4 per kV.A of Billing Demand per Billing Period.

Plus

Energy Charge: 2.7475¢ per kW.h for all kW.h in a Billing Period.

Billing Demand:

The Demand for billing purposes shall be:

- 1. the highest kV.A Demand during the High Load Hours (HLH) in the Billing Period; or
- 2. 75% of the highest Billing Demand for the Customer's Plant in the immediately preceding period of November to February, both months included; or
- 3. 50% of the Contract Demand stated in the Electricity Supply Agreement for the Customer's Plant,

whichever is the highest value.

The HLH period is defined as the hours from 06:00 to 22:00 Monday to Saturday, except for Statutory Holidays.

The LLH period is defined as all other hours.

Statutory Holidays for the purpose of this Schedule are New Years Day, Good Friday, Victoria Day, Canada Day, B.C, Day, Labour Day, Thanksgiving Day, Remembrance Day and Christmas Day.

Monthly Minimum Charge:

\$4.6864 per kV.A of Billing Demand

Note:

# **Excess Demand Charge**

\$4.686726 per kV.A of metered kV.A Demand in excess of the Maximum Demand Level during the Low Load Hours is applicable to this Rate Schedule,

#### where:

"Maximum Demand Level" means the Maximum Demand Level(s) stated in the Modified Demand Agreement. For a Customer referred to in item (i) of the definition of High Load Hours, separate Maximum Demand Levels will be stated for (i) the Low Load Hours from 10:00 hours to 16:00 hours Monday to Friday and (ii) all other Low Load Hours. For a Customer referred to in item (ii) of the definition of Low Load Hours, a single Maximum Demand Level will be stated for all Low Load Hours.

The highest Maximum Demand Level will not exceed 95% of Contract Demand stated in the Customer's Electricity Supply Agreement, and is subject to local transmission availability.

# Special Conditions

- 1. The provisions of Rate Schedule 1823 and the ESA continue to apply, except to the extent necessary to avoid conflict with this Rate Schedule and the Modified Demand Agreement. In the case of conflict between this Schedule or the Modified Demand Agreement and Rate Schedule 1823 and the ESA, the provisions of this Schedule and the Modified Demand Agreement shall govern.
- 2. Upon two occurrences of the following:

If for any Billing Period the total energy consumed under RS1852, during the LLH, is greater than the LLH CBL Energy by 10% or more,

The highest kV.A demand in the Billing Period during the High Load Hours (HLH) will be adjusted by a factor of the ratio of the average monthly LLH energy of the two Billing Periods which satisfied the condition above over the LLH CBL Energy. The adjustment of the highest kV.A demand will be in effect starting from the month immediately following the month of the second occurrence and continue for 12 months. The LLH CBL Energy will be recalculated using the consumption history of the most recent twelve Billing Periods,

#### SCHEDULE 1853 – TRANSMISSION SERVICE – IPP STATION SERVICE

Availability:

For Customers who are Independent Power Producers (IPPs) served

at transmission voltage subject to the Special Conditions below.

Applicable in:

Rate Zone I excluding Districts of Kingsgate-Yahk and Lardeau-Shutty

Bench.

Rate:

**Energy Charge:** 

The sum, over the Billing Period, of the hourly energy consumed multiplied by the entry in the Dow Jones Mid-Columbia (Mid-C) Firm Electricity Price Index for HLH and LLH that corresponds to the time

when consumption occurred, during that hour.

Monthly

Monthly

\$26.430

Charge:

Special Conditions:

BC Hydro agrees to provide Electricity under this Schedule to the

extent that it has energy and capacity to do so.

BC Hydro may, without notice to the Customer, terminate the supply of Electricity under this Schedule if at any time BC Hydro does not have

sufficient energy or capacity.

Prior to taking Electricity under this Schedule, the Customer may be required to obtain approval from BC Hydro. BC Hydro will advise the Customer of the need to obtain approval prior to the taking of energy

under this Schedule.

Electricity taken under this Schedule is to be used solely for maintenance and black-start requirements and shall not displace Electricity that would normally be generated by the Customer.

Rate Rider:

The Deferral Account Rate Rider as set out in Rate Schedule 1901

applies to all charges payable under this Rate Schedule, before taxes

and levies.

#### SCHEDULE 3808 – TRANSMISSION SERVICE – FORTISBC

Availability:

This schedule is available to FortisBC in accordance with the terms and conditions of the Agreement between BC Hydro and FortisBC entered into and deemed effective the 1st day of October 1993 (the "Power Purchase Agreement"). The Total Nominated Demand shall not exceed 200 MW.

Applicable in:

For Electricity delivered to FortisBC at each Point of Interconnection and the Point of Supply as defined in the Power Purchase Agreement.

Rate:

**Demand Charge:** 

\$4.6864 per kW of Billing Demand per Billing

Month

plus

**Energy Charge:** 

2.7475¢ per kW.h of Purchase Energy per

Billing Month.

<u>Billing Demand</u>: The Demand for billing purposes in any Billing Month shall be the greatest of:

- 1. the Total Purchase Capacity for that Billing Month, plus 1.2 times the Total Excess Capacity for that Billing month; or
- 2. 75% times the sum of the highest Total Purchase Capacity registered in any of the preceding eleven months, plus 1.2 times the highest Total Excess Capacity in any of the preceding eleven months; or
- 3. 50% of the Total Nominated Capacity, plus 1.2 times the Total Excess Capacity for that Billing Month.

Excess Energy 1.15 times the Energy Charge per kW.h for each kW.h of Total Excess Energy.

Charge:

Note:

The terms and conditions under which service is supplied to FortisBC are contained in the Power Purchase Agreement. This Schedule is subject to the same rate adjustments as Schedule 1827.

Rate Rider:

The Deferral Account Rate Rider as set out in Rate Schedule 1901 applies to all charges payable under this Rate Schedule, before taxes and levies.

# **Appendix F**

# Terms and Conditions Effective April 1, 2008 (Clean)

# TABLE OF CONTENTS

1.	Defin	itions	4									
2.	Appli	cation for Service	10									
	2.1.	2.1. Application for Service										
	2.2.	Term of Service	10									
	2.3.	Refusal to Provide Service and Discontinuance of Service	11									
	2.4.	Security Deposits	.,11									
		2.4.1. Pay As You Go Billing	11									
		2.4.2. Security Deposits for Applicants	11									
		2.4.3. Security Deposits for Existing Customers	12									
		2.4.4. Form of Security Deposits										
	2.5.	Termination of Service										
	2.6.	Re-Application for Service	13									
3.	Supp	ly of Electricity	14									
	3.1.	Types of Service Connections										
	3.2.	Number of Service Connections										
•	3.3.	Premises Connected										
	3.4.	Premises Not Connected	14									
	3.5.	Temporary Service										
	3.6.	Service Voltage and Number of Phases										
	3.7.	Civil Work for Service Connections										
	3.8.	Electrical Facilities on Private Property										
÷	3.9.	Primary Loop Service										
	3.10.											
¥	3.11.	. 1 9										
		3.11.1. Service Connection Upgrades	15									
		3.11.2. Transformer Upgrades										
	3.12.		16									
		Connection and Disconnection Work										
	3.14.	Service Connection Charges	.16									
4.	Mete	ring	.17									
	4.1.	Meter Installation	.17									
	4.2.	Metering	.17									
	4.3.	Meter Testing	.17									
	4.4.	Metering of Multiple Occupancy Premises	.17									
•	4.5	4.4.1. Multiple Residential Occupancy	.17									
		4.4.2. Multiple Non-Residential Occupancy										
		4.4.3. Multiple Residential and Non-Residential Occupancy										
5.	Mete	Reading and Billing	_19									
	5.1.	Meter Reading	.19									

ecuv	е.	U I	Αþ	П	200	O
	O	riai	nal	P	മവല	2

	5.2.	Billing	19
	5.3.	Payment of Bills	20
	5.4.	Billing of Fractional Demands	
	5.5.	Waiver of Minimum Charges	21
	5.6.	Monthly Equal Payment	21
	5.7.	Pre-Authorized Payment with Discount	22
	5.8.	Back-Billing	22
	5.9.	DATAPLUS Service	24
6.	Rates	s and Charges	24
	6.1.	Rates	24
	6.2.	Late Payment Charge	
	6.3.	Returned Cheque or Pre-Authorized Payment Charge	25
	6.4.	Account Charge	25
	6.5.	Collection Charge	
	6.6.	Call-Back Charge	
	6.7.	Service Reconnection Charge	
	6.8.	Taxes and Levies	26
7.	Load	Changes and Operation	27
	7.1.	Increases in Electrical Load	27
	7.2.	Power Factor	27
		7.2.1. Lighting	
		7.2.2. General Service	
		7.2.3. Failure to Comply with Power Factor Requirements	27
1	7.3.	Disturbing Use	28
8.		bution Extensions – 35 kV or Less	28
	8.1.	General Terms	
	8.2.	Types of Distribution Extensions	
	8.3.	Extension Fee for Rate Zone I	
	8.4.	Guarantee	
	8.5.	Refund of Extension Fee for Rate Zone I (Excluding Subdivisions)	
		8.5.1. Extension Fee \$5,000 or Less	30
`		8.5.2. Extension Fee Greater Than \$5,000	
	8.6.	Distribution Extensions Serving Subdivisions for Rate Zone I	
		8.6.1. Non-Residential Subdivisions	
		8.6.2. Residential Subdivisions	
	8.7.	Extensions for Rate Zone II	
	8.8.	Uneconomic Extension Fund	31
	8.9.	Distribution Extensions on Private Property (All Rate Zones)	32
	8.10.	,	-
		Hydro (All Rate Zones)	33
	0.11.	Distribution Extensions On Private Property Constructed by the	
		Customer (All Rate Zones)	33

BC Hydro
Terms and Conditions
Effective: 01 April 2008

	-	_	_	_	•	-	-1-	-		_	_	_	Ξ.
			)ı	ic	ir	n	al	I	P	ac	16	)	3

9.	General Provisions								
	9.1.	Use of Electricity	34						
	9.2.	Resale of Electricity	34						
	9.3.	Rental Premises	34						
	9.4.	Special Contracts	34						
	9.5.	Access to Premises	35						
	9.6.	Curtailment of Service							
	9.7.	Liability of BC Hydro	36						
	9.8.	Liability of Other Utilities	36						
	9.9.	Assignment	36						
	9.10.	Assignment Conflicting Terms and Conditions	37						
10.	Rate	Zone II	37						
		Supply in Rate Zone II							
		Payment of Costs to Integrate Rate Zone II Districts							
11.	Sche	dule of Standard Charges	38						
		Minimum Connection Charges - Rate Zone I							
		Minimum Reconnection Charges							
		Miscellaneous Charges							

#### 1. **DEFINITIONS**

In this Tariff, unless the context otherwise requires, the words and terms below shall mean as follows:

Assessed Demand:

The demand in kilowatts or kilovolt amperes used for billing purposes when the maximum demand is not measured by a demand meter.

**Basic Charge:** 

The Basic Charge specified in the applicable Rate Schedule, or the prorated daily equivalent charge – calculated on the basis of a 365-day year, and rounded down to four decimal places.

**BC Hydro:** 

British Columbia Hydro and Power Authority.

BC Hydro's Contribution:

BC Hydro's contribution toward the Estimated Construction Cost of an Extension, as determined in Section 8.

**Billing Demand:** 

The demand used to determine the charges in accordance with the provisions of the applicable Rate Schedule.

Collective Master Account:

An account established to consolidate billing transactions generated on the Customer's multiple accounts.

**Crossing Pole:** 

A pole to maintain a safe clearance for BC Hydro's distribution conductor over a road, railway or other facility.

**Customer:** 

Any individual, person, partnership, company or other entity receiving service from BC Hydro. If such Customer receives service at more than one Premises, or for more than one business then such Customer shall be considered as a separate Customer at each of the Premises or at each business.

BC Hydro reserves the right to determine the number of Premises or whether or not any business is separately operated for the purpose of this definition.

**Electricity:** 

The term used to mean both electric power and electric energy.

**Energy:** 

Energy is work done. Electric Energy is measured and expressed

in kilowatt hours.

Estimated Construction Cost:

The cost estimated by BC Hydro to construct an Extension or provide a Service Connection.

**Extension:** 

An addition to or the increased capacity of BC Hydro's electric distribution system required to serve a new Customer load or an addition to existing Customer load, but not including a Service Connection.

**Extension Fee:** 

A contribution-in-aid of construction of an Extension from the Customer.

**General Service:** 

Electricity for all purposes, not otherwise specifically provided, including service to:

- 1. Common areas of Premises containing two or more Single-Family Dwellings.
- 2. Dwellings where a part is used to carry on a business if the whole dwelling is supplied through one meter.
- 3. Farms which cannot qualify for Residential Service.
- 4. Hotels, motels, mobile home parks and similar establishments or parts thereof which do not qualify for Residential Service.
- 5. Schools, churches, hospitals, halls and recreational establishments.
- 6. Nursing homes, boarding and rooming houses.
- 7. Marinas and yacht clubs.

Integrated Service Area:

All distribution areas served by BC Hydro within the limits from time to time outlined in Rate Map A, which is a part of this Tariff.

Kilovolt Ampere (kV.A):

The product of the effective volts across the terminals of a circuit by the effective amperes through it, divided by 1000.

Kilowatt (kW):

The rate of doing work, equal to 1000 watts.

Kilowatt Hour (kW.h):

The amount of Energy delivered in one hour, when delivery is at a constant rate of one kilowatt.

Maximum Demand:

The greatest amount of kilowatts or kilovolt amperes averaged over a time interval of not more than 32 consecutive minutes -

registered during a specified period by a demand meter.

Month:

A period of from 27 to 33 consecutive days.

Optional Facilities:

Facilities which in the opinion of BC Hydro are not reasonably required to provide service to a Customer.

Permanent Service: A service where Electricity will be taken for other than a temporary period of time.

**Point of Delivery:** 

The location where BC Hydro's wires or cables are connected to the meter, the Customer's wiring, or the Customer's switch, whichever comes first.

Power:

Power (electric) is the time rate of generating, transferring or using electric Energy, and is measured and expressed in kilowatts or kilovolt amperes.

**Power Factor:** 

Average lagging power factor; the ratio determined by the following formula and based on monthly measurements of kW.h and lagging kVarh or at BC Hydro's discretion by random checks from time to time.

Average Lagging Power Factor =  $\frac{kW.h}{\sqrt{kW.h^2 + kVarh^2}}$ 

Premises:

A dwelling, building or machinery located on land.

Primary Loop Service

Connection:

An underground Service Connection at Primary Voltage where Customer supplied equipment provides three-way switching on BC

Hydro's distribution feeder.

**Primary Voltage:** 

A voltage of 750 volts or more measured phase to phase.

Principal Residence:

A dwelling occupied as a dwelling for the majority of the year.

Rate Zone I:

The Integrated Service Area and the Districts of Kingsgate-Yahk

and Lardeau-Shutty Bench.

#### Rate Zone II:

Anahim Lake, Atlin, Bella Bella, Bella Coola, Dease Lake, Eddontenajon, Queen Charlotte Islands and Telegraph Creek District.

# Residential Service:

#### Electricity for use:

- 1. In Single-Family Dwellings.
- 2. In the common areas of Premises containing two or more Single-Family Dwellings, whether the common area is metered separately or is metered as part of a separate Residential Service to one of the dwellings, if the Electricity is used only for the common benefit of those dwellings.
- 3. Upon farms for any farm use whether or not in conjunction with use in a Single-Family Dwelling, provided that farm use shall not include:
  - (a) use in any dwelling other than a Single-Family Dwelling,
  - (b) use in the processing of farm products produced elsewhere than on the farm in question,
  - (c) use in selling farm or other products to the general public other than from a small roadside stand, or
  - (d) use for any commercial operation not ordinarily conducted upon a farm.

# Secondary Voltage:

A voltage of less than 750 volts measured phase to phase.

# Service Connection:

That part of the BC Hydro distribution facilities extending from the first attachment point on the BC Hydro distribution system to the Point of Delivery.

# Service Voltage (Potential):

The voltage at the Point of Delivery, and is:

- (a) secondary, if the Service Connection is at Secondary Voltage; or
- (b) secondary, if BC Hydro owns, operates and maintains the primary Service Connection and transformers; or
- (c) primary, if the Customer's switch is at Primary Voltage.

Single-Family Dwelling:

A single-family dwelling used only as a dwelling and consisting of single family living quarters having in one self-contained unit at least sleeping quarters, a kitchen and bathroom or alternative living quarters acceptable to BC Hydro.

Span of Line:

A distribution conductor which spans between two BC Hydro poles.

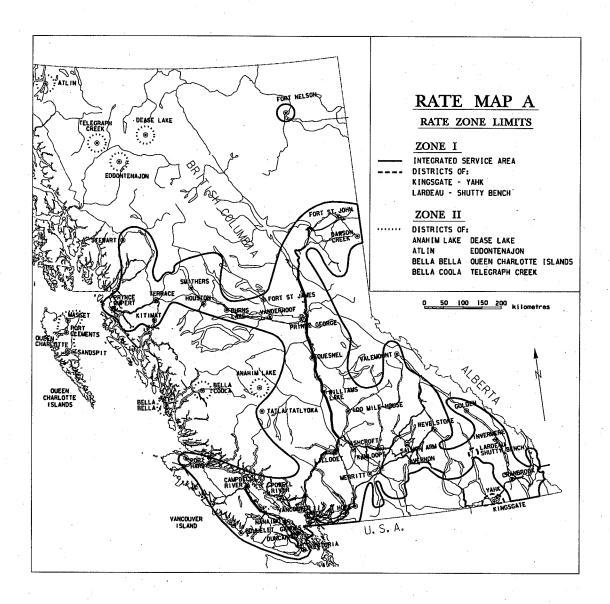
System Improvement Costs: The incremental costs that BC Hydro estimates will be incurred on the distribution system, including distribution substations, attributed to a Customer's new load.

Temporary Service:

A service where Electricity will be, or in the determination of BC Hydro is likely to be, taken for a temporary period of time.

**Transformation:** 

Includes transformers, switches, fuses, cutouts, surge arrestors and associated equipment, and labour for installation.



# 2.3. Refusal to Provide Service and Discontinuance of Service

BC Hydro may refuse to provide service or may discontinue without notice service to any Customer who:

- 1. failed to pay for service at any or all Premises, or
- breached the terms and conditions upon which service is provided by BC Hydro, or
- 3. refused to provide reference information and identification acceptable to BC Hydro, when applying for service or at any subsequent time on request by BC Hydro, or
- 4. occupies the Premises with another occupant who has an outstanding account incurred for service while occupying any Premises at the same time as the Customer, or
- 5. refuses to provide reasonable access for meter servicing or to read the meters for billing purposes.

For the purpose of this paragraph the term "Customer" shall have its ordinary meaning and shall not be restricted by its definition in these Terms and Conditions.

BC Hydro shall not be liable for any loss, injury or damage suffered by any Customer by reason of the discontinuation of or refusal to provide service as aforesaid.

#### 2.4. Security Deposits

# 2.4.1. Pay As You Go Billing

With Pay As You Go Billing, BC Hydro will bill a Customer for the required amount at the beginning of the consumption period based on either the estimated monthly bill or one-twelfth of the estimated annual bill for electricity. The amount of the monthly instalment will be amended by BC Hydro from time to time. Such bills are deemed to have the same force and effect as bills which are based on actual meter readings.

The due date for payment of bills for Customers billed under Pay As You Go Billing is the first business day after the twenty-first (21st) calendar day following the billing date or, where applicable, under the terms set out under the heading "Pre-Authorized Payment with Discount".

# 2.4.2. Security Deposits for Applicants

A Residential Service or General Service applicant who has not established credit satisfactory to BC Hydro shall be required to select one of the following options:

- 1. provide a security deposit equal to two times the Customer's estimated average monthly bill if the account is on monthly billing based on actual consumption, or
- 2. provide a security deposit equal to three times the Customer's estimated average monthly bill if the account is on bi-monthly billing based on actual consumption, or
- 3. participate in Pay As You Go Billing, with no security deposit.

# 2.4.3. Security Deposits for Existing Customers

Any Residential Service or General Service Customer who has not maintained a credit history satisfactory to BC Hydro shall be required to select one of the following options:

- 1. provide a security deposit equal to two times the Customer's estimated average monthly bill if the account is on monthly billing based on actual consumption, or
- 2. provide a security deposit equal to three times the Customer's estimated average monthly bill if the account is on bi-monthly billing based on actual consumption, or
- participate in Pay As You Go Billing and provide a security deposit equal to the Customer's estimated a average monthly bill.

Any such Residential Service or General Service Customer billed under Pay As You Go Billing who has paid the amount due within terms of payment set out on every bill rendered during the immediately preceding one year, may elect to terminate payment under Pay As You Go Billing and may elect any other billing option then available to that Customer.

# 2.4.4. Form of Security Deposits

Security deposits shall be in the form of cash or an equivalent form of security acceptable to BC Hydro.

- 1. A security deposit may be returned, at any time, to the Customer by whom the deposit was made and when, according to the records of BC Hydro, the Customer has maintained an account with BC Hydro for the immediately preceding one year and has paid every amount due within one month of the billing date on every bill rendered during such period.
- 2. If the Customer's bill is not paid when due, BC Hydro may apply the whole or any part of the Customer's security deposit and earned interest, if any, towards payment of the amount due. The Customer shall promptly replenish the security deposit upon being requested by BC Hydro to do so. Nothing in this clause shall restrict BC Hydro's right to discontinue service on the failure of a Customer to pay for service.

- 3. A cash security deposit and interest, if any, may be applied by BC Hydro in whole or in part toward payment of the final accounts of the Customer by whom the deposit was made, at the time the final accounts are billed.
- 4. A security deposit in a form other than cash may be applied by BC Hydro in whole or in part toward payment of the final accounts of the Customer by whom the deposit was made, if the final accounts are not paid when due.
- 5. Any part of a security deposit, including interest, if any, on a cash security deposit, which has not been applied in accordance with this section, shall be refunded or returned to the Customer.
- 6. BC Hydro will pay interest on cash security deposits at a rate equal to BC Hydro's weighted average cost of debt, calculated for BC Hydro's most recent fiscal year.
- 7. Payment of interest on a cash security deposit held by BC Hydro will be made in the form of a credit to the Customer's account each time the account is billed or added to the amount of the cash deposit when a refund is made as provided in paragraph 1 preceding.
- 8. BC Hydro will not pay interest on security deposits held by it in a form other than cash.
- 9. No interest shall accrue on any security deposit after the date of the final bill for the account secured by the deposit.

# 2.5. <u>Termination of Service</u>

The Customer must give BC Hydro at least 24 hours notice of termination of service. If the Customer fails to give the required notice, or vacates the Premises before expiry of the notice period, the Customer will be held responsible for all Electricity used on the Premises and all damage to and loss of wires, meters or other apparatus of BC Hydro until 24 hours after BC Hydro receives the required notice.

# 2.6. Re-Application for Service

If service is terminated by a Customer, whether or not there is an actual disconnection by BC Hydro, and if the prior Customer or spouse, servant or agent of that person reapplies for service on the same Rate Schedule within 12 months of the most recent termination date for the same Premises, then the applicant shall pay the greater of:

(a) the costs that BC Hydro estimates that it will incur in making the restoration or reconnection of the service, or

Original Page 14

(b) the sum of the minimum charges which a Customer would have paid between the time of termination and the time of application for a new service agreement on the applicable Rate Schedule.

#### 3. SUPPLY OF ELECTRICITY

# 3.1. Types of Service Connections

BC Hydro will provide an overhead or underground Service Connection at the request of the applicant. BC Hydro will provide an underground Service Connection where such construction is in accordance with BC Hydro's distribution system development plans.

#### 3.2. Number of Service Connections

BC Hydro will serve each private property parcel of land with one Service Connection, except where BC Hydro and the appropriate inspection authority consent otherwise. The Customer shall pay the applicable Service Connection charge for each additional Service Connection

#### 3.3. Premises Connected

If a Premises is connected to BC Hydro's distribution system at the time when the application for service is made then the applicant shall pay the Account Charge as set out in the Schedule of Standard Charges.

#### 3.4. Premises Not Connected

If a Premises is not connected to BC Hydro's distribution system at the time when the application for service is made then a Service Connection and a meter are required and the applicant shall pay BC Hydro an amount as set out under "Service Connection Charges". A meter is not required in those cases where BC Hydro permits unmetered service. An Extension may also be required.

# 3.5. Temporary Service

A Customer who is to take a Temporary Service shall pay to BC Hydro in advance of construction the costs which BC Hydro estimates it will incur in installing and removing the facilities necessary to supply Electricity. The facilities shall include the Extension, Service Connection and transformers of BC Hydro, and the costs shall include charges for labour, administration and depreciation on materials as determined by BC Hydro from time to time.

# 3.6. Service Voltage and Number of Phases

BC Hydro will determine the Service Voltage and the number of phases of the Service Connection.

### 3.7. Civil Work for Service Connections

A Customer shall provide, own and maintain all civil work required for underground Service Connections on private property including ducts, foundations and pads, all in accordance with BC Hydro distribution standards.

# 3.8. <u>Electrical Facilities on Private Property</u>

Customer's electrical facilities intended to be installed at Primary Voltage shall be of a type or characteristic, and operated in a manner, acceptable to BC Hydro.

BC Hydro is not responsible for electrical facilities, including wiring and equipment, on the Customer's side of the Point of Delivery, except that BC Hydro will maintain its meters and transformers located on the Customer's side of the Point of Delivery.

# 3.9. Primary Loop Service

Where a Primary Loop Service Connection is provided, the Point of Delivery shall be the source terminals on the Customer's switch which may be used by the Customer to interrupt only the Customer's load. BC Hydro will assume ownership, operation and maintenance of the two primary load break switches located on BC Hydro's side of the Point of Delivery in the primary entrance equipment originally supplied by the Customer. These two switches may be used only by BC Hydro to interrupt other Customers on that loop service.

# 3.10. Care of BC Hydro Equipment

The Customer shall take reasonable care of and protect all meters and apparatus belonging to BC Hydro on the Customer's Premises, and shall pay to BC Hydro the cost of any BC Hydro meters or apparatus broken, missing or damaged except to the degree that the Customer can show that the meter or apparatus was broken, missing or damaged due to an inherent defect or to any act or omission of BC Hydro's servants or agents.

All meters, wires or other apparatus furnished by BC Hydro remain the property of BC Hydro and must not be moved or removed from the Premises without BC Hydro's written permission.

# 3.11. <u>Service Upgrades</u>

# 3.11.1. Service Connection Upgrades

Prior to BC Hydro upgrading the load capability of a Service Connection at the Customer's request, the Customer shall pay BC Hydro for the upgrade an amount as set out under "Service Connection Charges".

#### 3.11.2. Transformer Upgrades

A transformer upgrade shall be treated as a new Extension. Prior to BC Hydro upgrading the load capability of a transformer at the Customer's request, the Customer shall pay BC Hydro the applicable Extension Fee, if any.

# 3.12. <u>Transformation on Private Property (All Rate Zones)</u>

- 1. If service is at Secondary Voltage, BC Hydro will provide Transformation.
- 2. If service is at Primary Voltage then:
  - (a) If the applicant requests, BC Hydro will supply transformers for installation by the applicant from Primary Voltage to Secondary Voltage, provided the transformers are single phase, oil filled with a capacity of not more than 167 kV.A;
  - (b) BC Hydro may, if it has suitable transformers available, agree to rent transformers to the applicant; or
  - (c) The applicant may supply transformers.
- 3. BC Hydro will operate and maintain its transformers on private property.

# 3.13. Connection and Disconnection Work

Connections to or disconnections from BC Hydro's distribution system shall only be made by individuals authorized by BC Hydro except where the connection or disconnection is made by a Customer owned switching device on the Customer's side of the Point of Delivery.

# 3.14. Service Connection Charges

The applicant shall pay a Service Connection Charge, which shall include the Service Connection and a meter.

In Rate Zone I, for 100, 200 and 400 amperage single phase secondary overhead Service Connections and a meter, the applicant shall pay the Minimum Connection Charge as set out in the Schedule of Standard Charges.

In Rate Zone I, for 100, 200 and 400 amperage single phase underground Service Connections and a meter, the applicant shall pay the Minimum Connection Charge as set out in the Schedule of Standard Charges.

For all other Service Connections and a meter, the applicant shall pay the Estimated Construction Cost of the Service Connection including installation cost of the meter.

#### 4. METERING

#### 4.1. Meter Installation

The supply of Electricity will be metered at Secondary Voltage except when BC Hydro determines otherwise. The installation cost of the first meter is included in the Service Connection charge. Additional meters as required are installed for a standard charge in accordance with the Schedule of Standard Charges.

# 4.2. Metering

In order to determine for billing purposes the quantity of Electricity consumed by the Customer, one consumption meter and, where required, one associated demand meter will be installed by BC Hydro on the Customer's Premises at a location most convenient to BC Hydro for each separate Rate Schedule under which the Customer takes service. At the request of a Customer receiving multiple Residential or General Service, BC Hydro may agree to install for billing purposes on the Customer's Premises more than one consumption meter and, where required, more than one associated demand meter for each separate Rate Schedule under which the Customer takes service and in such cases the Customer will be billed separately for the consumption and, where appropriate, associated demand registered on each such meter. The Customer shall provide wiring and fittings, satisfactory to BC Hydro and in accordance with any applicable electrical code or civic by-law, for the installation of each such meter. BC Hydro may install on the Customer's Premises any meter or apparatus which it may need for its use and convenience.

# 4.3. Meter Testing

Any Customer who doubts the accuracy of the meter measuring Electricity used by the Customer may have the meter tested pursuant to the *Electricity and Gas Inspection Act (Canada)*. Applications for such tests should be made to the nearest Measurement Canada ofice.

If the meter test discloses that the meter is registering with an error greater than that permitted under the *Electricity and Gas Inspection Act*, Measurement Canada will refund the fee to the applicant and charge the cost of the test to BC Hydro. BC Hydro is not permitted to verify the accuracy of meters. However, these regulations do not prevent BC Hydro making tests for its own information.

# 4.4. Metering of Multiple Occupancy Premises

# 4.4.1. Multiple Residential Occupancy

Original Page 18

If a Premises contains more than two Single-Family Dwellings and no commercial units the owner or operator may, at the Customer's option:

- (a) provide for the Premises to be served through one meter, or
- (b) provide for each Single-Family Dwelling to be served through a separate single meter and provide for Electricity used in areas common to all tenants to be metered through a separate meter, or
- (c) provide for all Single-Family Dwellings to be served through one meter and provide for Electricity used in areas common to all tenants to be metered through a separate meter.

Note: General Service rates are not available as an alternative to a multiple Residential rate.

# 4.4.2. Multiple Non-Residential Occupancy

If a Premises containing no Single-Family Dwelling is in multiple occupancy, the owner or operator will provide for each unit to be metered individually, except:

(a) where, in the opinion of BC Hydro, it is impracticable to do so.

Examples of situations where BC Hydro considers it impracticable to do so are:

- (i) where the type of occupancy is transient in nature,
- (ii) where the design of a building renders it impracticable to meter the Electricity used by individual occupants,
- (iii) where a building such as a hotel contains one major occupant with a large load and a small number of units having a total electric load so small both in kilowatts and in relation to the major load that BC Hydro considers it impractical to deal with meters for each unit.
- (b) that, if the Point of Delivery is at a Primary Voltage, the owner or operator of the Premises may elect to provide for the Premises to be served through one meter. An owner or operator choosing this option is not permitted to resell Electricity other than in accordance with the provisions of this Tariff and the *Utilities Commission Act*.

# 4.4.3. Multiple Residential and Non-Residential Occupancy

If a Premises contains both Single-Family Dwellings and commercial units the owner or operator may elect any of the options set out above under the heading "Multiple Residential Occupancy" to provide for the supply of Electricity to the Single-Family Dwellings and areas used in common only by such dwellings.

The owner or operator must provide for each non-residential occupant to be served individually and for separate metering for areas and uses, used in common by such non-residential occupants.

#### 5. METER READING AND BILLING

# 5.1. Meter Reading

The interval between consecutive meter readings shall be at the sole discretion of BC Hydro.

Where the Rate Schedule under which a Customer takes service does not require measurement of the Customer's demand, the meter will normally be read at intervals of two months. Where the Rate Schedule under which a Customer takes service requires measurement of the Customer's demand, the meter or meters will normally be read at intervals of one month.

# 5.2. Billing

- 1. Bills will be rendered on the basis of actual consumption (referred to as Regular Billing) and, where applicable, the demand, registered by a meter or meters, in accordance with the Rate Schedule under which the Customer takes service, except:
  - (a) if the service is not metered, or
  - (b) if the bill is being rendered in accordance with the conditions set out in this Tariff under the heading "Late Payment Charge", or
  - (c) if a Rate Schedule is changed and the effective date of the change falls between the dates of two successive meter readings, in which case BC Hydro will render a bill which will be determined upon a prorated basis in accordance with the following procedure.
    - (i) BC Hydro will calculate an amount, hereinafter called "Amount A", which would be payable for the consumption and, where applicable, the demand, for the period between the two successive meter readings, in accordance with the Rate Schedule under which the Customer was taking service immediately prior to the effective date of the change in Rate Schedule.
    - (ii) BC Hydro also will calculate an amount, hereinafter called "Amount B", which would be payable for the consumption and, where applicable, the demand, for the period between the two successive meter readings, in accordance with the Rate Schedule under which

the Customer is taking service immediately after the effective date of the change in Rate Schedule.

(iii) The bill rendered will be the sum of:

Amount A, multiplied by the number of days between the date of the earlier meter reading and the effective date of the change in Rate Schedule, divided by the number of days between the successive meter readings, and,

Amount B, multiplied by the number of days between the effective date of the change in Rate Schedule, and the date of the later meter reading, divided by the number of days between the successive meter readings; or

- (d) if the bill is being rendered in accordance with the conditions set out in this Tariff under the heading "Pay As You Go Billing", "Monthly Equal Payment" or "Pre-Authorized Payment with Discount".
- 2. If meter readings cannot be obtained for any reason, the demand or consumption or both may be estimated by BC Hydro and used for billing purposes, and the next bill, which is based on actual meter readings, will be adjusted for the difference between estimated and actual use over the interval between meter readings. Estimated bills are deemed to have the same force and effect as bills which are based on actual meter readings.
- 3. If any meter fails to register or registers incorrectly, the consumption or demand or both may be estimated by BC Hydro and used for billing purposes.
- 4. If meters are read at longer or shorter intervals than the period set out in the applicable Rate Schedule, the minimum charge, the service charge, the number of kilowatt hours in each step and, if applicable, the demand charge set out in such Rate Schedule shall be prorated before the bill is calculated.

Prorated calculations will be based on a 365-day year.

# 5.3. Payment of Bills

Bills will be rendered as often as deemed necessary by BC Hydro. The due date for payment of bills shown on the face of the bill is the first business day after:

- (a) the twenty-first (21st) calendar day following the billing date; or
- (b) such other period as may be defined in a special contract.

Bills may be paid by pre-authorized withdrawal or at any authorized BC Hydro payment agent as shown on the back of each bill or available at www.bchydro.com.

# 5.4. Billing of Fractional Demands

A Billing Demand which would include a fraction shall be deemed to be the nearest whole unit of demand below the fraction.

The minimum Billing Demand shall, except where the context otherwise requires, be deemed to be 1 kW or 1 kV.A whichever is applicable.

# 5.5. Waiver of Minimum Charges

If BC Hydro in any case requires the owner of a motel or mobile home park to apply for Residential Service in the Customer's own name for any separately metered unit of accommodation upon the Customer's Premises and if no Electricity is consumed in such unit during an interval between meter readings, the minimum charge for such interval shall be waived.

In multi-unit residential buildings where separate meters for the suites are installed during construction of the building, minimum charges will be made only after service to the suite is energized.

#### 5.6. Monthly Equal Payment

On application by a Customer BC Hydro will, provided the Customer's credit is established to the satisfaction of BC Hydro, permit the Customer to pay fixed monthly installments on account of Electricity consumed by the Customer during all or any part of a period (hereinafter called the "budget period") consisting of twelve months commencing with a normal meter reading date at the Customer's Premises. Monthly installments shall be fixed so that the sum of the installments to be paid shall equal the sum which would be payable, at the applicable rate, for the Electricity which BC Hydro estimates the Customer will consume during the budget period. BC Hydro may at any time revise any estimate of a Customer's consumption made by it in the light of experience and in accordance therewith may increase or decrease the amount of monthly installments payable by the Customer.

The payment of monthly instalments may be terminated at any time by the Customer giving five days' notice of termination to BC Hydro, or by BC Hydro without notice if the Customer has not maintained the Customer's credit to the satisfaction of BC Hydro. At the end of the budget period or upon its earlier termination the amount which is payable by the Customer to BC Hydro for Electricity actually consumed on the Customer's Premises from the beginning of the budget period shall be compared with the sum of the monthly instalments paid by the Customer in respect of that period, and any deficit shall be paid by the Customer to BC Hydro, or, any excess shall be paid or credited by BC Hydro to the Customer.

Terms and Conditions Effective: 01 April 2008

Original Page 22

# 5.7. Pre-Authorized Payment with Discount

The Pre-Authorized Payment with Discount billing option allows Customers on Pay as You Go Billing to pay bills by pre-authorized payment and entitles those Customers to a ¾ of 1% discount on the amount billed.

To enrol in this billing option, Customers must apply to BC Hydro. The payment of any outstanding charges owed by the Customer to BC Hydro must be arranged to the satisfaction of BC Hydro prior to the application being accepted.

Pre-authorized payments will occur on or before the first business day after the tenth (10<sup>th</sup>) calendar day following the billing date.

Customers billed on Pre-Authorized Payment With Discount may elect to terminate payment under this billing option by giving one month notice to BC Hydro.

# 5.8. Back-Billing

Pursuant to the *Utilities Commission Act*, this Tariff constitutes the consent of the Commission to allow BC Hydro, in the circumstances specified herein, to charge, demand, collect or receive from its Customers in respect of a regulated service rendered a greater or lesser compensation than that specified in the subsisting schedules of BC Hydro applicable to that service.

In the case of a minor adjustment to a Customer's bill, such as an estimated bill or a Monthly Equal Payment billing, such adjustments do not require back-billing treatment to be applied.

- 1. Back-billing means the re-billing by BC Hydro for services rendered to a Customer because the original billings were discovered to be either too high (over-billed) or too low (under-billed). The discovery may be made by either the Customer or BC Hydro, and may result from the conduct of an inspection under provisions of the federal statute, the *Electricity and Gas Inspection Act* ("EGI Act"). The cause of the billing error may include any of the following non-exhaustive reasons or combination thereof:
  - (a) stopped meter
  - (b) metering equipment failure
  - (c) missing meter now found
  - (d) switched meters
  - (e) double metering
  - (f) incorrect meter connections
  - (g) incorrect use of any prescribed apparatus respecting the registration of a meter
  - (h) incorrect meter multiplier
  - (i) the application of an incorrect rate

- (j) incorrect reading of meters or data processing
- (k) tampering, fraud, theft or any other criminal act.
- 2. Whenever the dispute procedure of the EGI Act is invoked, the provisions of that Act apply, except those which purport to determine the nature and extent of legal liability flowing from metering or billing errors.
- 3. Where metering or billing errors occur and the dispute procedure under the EGI Act is not invoked, the consumption and demand will be based upon the records of BC Hydro for the Customer, or the Customer's own records to the extent they are available and accurate, or if not available, reasonable and fair estimates may be made by BC Hydro. Such estimates will be on a consistent basis within each Customer class or according to a contract with the Customer, if applicable.
- 4. If there are reasonable grounds to believe that the Customer has tampered with or otherwise used BC Hydro's service in an unauthorized way, or evidence of fraud, theft or other criminal act exists, then the extent of back-billing will be for the duration of the unauthorized use, subject to the applicable limitation period provided by law, and the provisions of items 7, 8, 9 and 10 below do not apply.

In addition, the Customer is liable for the direct (unburdened) administrative costs incurred by BC Hydro in the investigation of any incident of tampering, including the direct costs of repair, or replacement of equipment.

Under-billing resulting from circumstances described above will bear interest at the rate normally charged by BC Hydro on unpaid accounts from the date of the original under-billed invoice until the amount under-billed is paid in full.

- 5. In every case of under-billing or over-billing, the cause of the error will be remedied without delay, and the Customer will be promptly notified of the error and of the effect upon the Customer's ongoing bill.
- 6. In every case of over-billing, BC Hydro will refund to the Customer all money incorrectly collected for the duration of the error, except that, if the date the error first occurred cannot be determined with reasonable certainty, the maximum refund period will be 6 years back from the date the error was discovered. Interest will be paid to the Customer at a rate equal to BC Hydro's weighted average cost of debt, calculated for BC Hydro's most recent fiscal year.
- 7. Subject to item 4 above, in every case of under-billing, BC Hydro will back-bill the Customer for the shorter of:
  - (a) the duration of the error; or
  - (b) six months for residential, small General Service (commercial) or irrigation; and

- (c) one year for all other Customers or as set out in a special or individually negotiated contract with BC Hydro.
- 8. Subject to item 4 above, in every case of under-billing, BC Hydro will offer the Customer reasonable terms of repayment. If requested by the Customer, the repayment term will be equivalent in length to the back-billing period. The repayment will be interest free and in equal instalments corresponding to the normal billing cycle. However, delinquency in payment of such instalments will be subject to the usual late payment charges.
- 9. Subject to item 4 above, if a Customer disputes a portion of a back-billing due to under-billing based upon either consumption, demand or duration of the error, BC Hydro will not threaten or cause the discontinuance of service for the Customer's failure to pay that portion of the back-billing, unless there are no reasonable grounds for the Customer to dispute that portion of the back-billing. The undisputed portion of the bill shall be paid by the Customer and BC Hydro may threaten or cause the discontinuance of service if such undisputed portion of the bill is not paid.
- 10. Subject to item 4 above, in all instances of back-billing where changes of occupancy have occurred, BC Hydro will make a reasonable attempt to locate the former Customer. If, after a period of one year, such Customer cannot be located, the over- or under-billing applicable to them will be cancelled.

### 5.9. DATAPLUS Service

DATAPLUS service is only available as an option to any Customer on Collective Billing currently enrolled on DATAPLUS. The service will provide the Customer, on a monthly basis, a computer diskette containing the billing information of the Customer's Collective bill. For each Collective Master Account on DATAPLUS service, the Customer shall pay an annual charge as set out in the Schedule of Standard Charges.

#### 6. RATES AND CHARGES

#### 6.1. Rates

The rates to be charged by and paid to BC Hydro for electric service shall be the rates set out in the Rate Schedules from time to time in effect and contained in the Electric Tariff of BC Hydro, which is available at <a href="https://www.bchydro.com">www.bchydro.com</a> or upon request.

BC Hydro will endeavour to provide the Customer with information and advice with respect to all rates available to the Customer from time to time, but in every case the selection of the rate used shall be the sole responsibility of the Customer.

The Customer may apply at any time in writing to be billed on another Rate Schedule from that under which the Customer is being served. BC Hydro may, in BC Hydro's sole discretion, reject, defer or approve such application.

In general, approval will not be granted:

- 1. if the Rate Schedule which the Customer applies for was used by the Customer during the preceding twelve months, or
- 2. if the rate applied for is, in the opinion of BC Hydro, not available to the Customer.

In addition to the rates and charges under any applicable Rate Schedule and any other charges provided for in these Terms and Conditions, the Customer shall also pay the charges set out in this part.

### 6.2. <u>Late Payment Charge</u>

If the amount due, which may include other charges as well as charges for Electricity, on any bill has not been paid in full on or before the due date shown on such bill, and if the unpaid balance is \$30 or more, a further bill will be rendered to include the overdue amount plus a late payment charge, as set out in the Schedule of Standard Charges. Notwithstanding the due date shown, to allow time for payments made to reach BC Hydro's payment processing centre and to coordinate the billing of late payment charges with scheduled billing cycles, BC Hydro may, in its discretion, waive late payment charges on payments not processed until a number of days after the due date.

# 6.3. Returned Cheque or Pre-Authorized Payment Charge

If a cheque received by BC Hydro from a Customer or a pre-authorized payment deduction in payment of any account is returned by the Customer's bank, trust company or financial institution for the reason of not sufficient funds (NSF), or any reason other than clerical error, a returned cheque or pre-athorized payment charge, as set out in the Schedule of Standard Charges, for processing each returned cheque or pre-authorized payment will be added to the amount due and payable by the Customer whether or not the service has been disconnected.

# 6.4. Account Charge

When a change of Customer occurs, an account charge, as set out in the Schedule of Standard Charges, shall be paid by the new Customer with respect to each account in that Customer's name for which a separate bill is rendered by BC Hydro, except in the following cases:

1. If the new Customer is, or was, the spouse of the former Customer.

Terms and Conditions Effective: 01 April 2008

Original Page 26

2. If the new Customer is the owner or operator of multi-tenant Premises, one standard charge shall be paid with respect to all accounts for Single-Family Dwellings for which it will be the Customer in such Premises.

### 6.5. Collection Charge

A collection charge, as set out in the Schedule of Standard Charges, shall be paid by the Customer each time a BC Hydro representative attends the Customer's Premises to disconnect service following issuance of a disconnect notice but, on attending, the Customer undertakes to pay the full amount overdue on the Customer's account.

### 6.6. <u>Call-Back Charge</u>

A call-back charge, as set out in the Schedule of Standard Charges, shall be paid by the Customer each time a BC Hydro representative attends the Customer's Premises to install a new Service Connection at the request of the Customer but, on attending, is unable to install the Service Connection because the facilities required to be provided by the Customer, for this purpose, are found to be deficient.

### 6.7. Service Reconnection Charge

A Customer shall pay a Minimum Reconnection Charge, as set out in the Schedule of Standard Charges, when service is reconnected to Premises disconnected for the following reasons:

- (a) to permit the Customer to make alterations to or on the private property;
- (b) to permit a test of a meter at the request of a Customer, pursuant to the Electricity and Gas Inspection Act (Canada), and the meter is later determined to be accurate within the limits prescribed by that Act;
- (c) because BC Hydro was ordered to disconnect by the appropriate inspection authority;
- (d) for breach of the Electric Tariff.

BC Hydro may add to the Minimum Reconnection Charges, as set out in the Schedule of Standard Charges, an amount to cover the costs incurred by BC Hydro when there are unusual circumstances.

A Customer shall not be required to pay a Minimum Reconnection Charge when the service disconnection was made for reasons of public safety, unless attributable to actions of the Customer, or when the service disconnection was made by BC Hydro for service requirements of BC Hydro.

### 6.8. Taxes and Levies

The rates and charges set out in this Tariff do not include the Goods and Services Tax (GST), the Social Services Tax or any other tax or levy which BC Hydro may be lawfully authorized or required to add to its normal rates and charges.

### 7. LOAD CHANGES AND OPERATION

### 7.1. Increases in Electrical Load

Unless otherwise specified in a service agreement, a Customer shall not increase the electrical load installed in the Customer's Premises by more than 15 kW or 20 percent, whichever is greater, or exceed 80% of the rated capacity of the Customer's main switch, without advising BC Hydro in advance and receiving BC Hydro's approval.

### 7.2. Power Factor

### 7.2.1. Lighting

All new installations or connections of neon, mercury vapour, sodium vapour, fluorescent, or other types of lamps, lighting devices, or display facilities, supplied with Electricity by BC Hydro, shall be equipped at the Customer's expense with high Power Factor ballasts, or auxiliaries designed and installed to the satisfaction of BC Hydro, to ensure that a lagging Power Factor of not less than 90% is maintained.

### 7.2.2. General Service

The average lagging Power Factor shall not be less than 90%. BC Hydro, in its discretion, may make continuous tests of Power Factor or may test the Customer's Power Factor from time to time. If the Customer's Power Factor is lower than 90%, BC Hydro may require the Customer, at the Customer's expense, to install Power Factor corrective equipment to ensure that a lagging Power Factor of not less than 90% is maintained.

# 7.2.3. Failure to Comply with Power Factor Requirements

If the Customer neglects or refuses to install such Power Factor corrective equipment or auxiliaries as required by paragraphs 1 or 2 above forthwith upon a request so to do, BC Hydro may at its sole option:

- (a) disconnect service, or
- (b) require a payment (in addition to the regular payment) of fifty cents (50¢) per month per 100 watts or fraction thereof of the connected load, or
- (c) increase the Customer's bill for Electricity by a surcharge in accordance with the following table; the amount of the surcharge so determined shall be added to the

minimum bill or the calculation of the bill under the rate clause, whichever is the greater.

Lagging Power Factor as Determined by BC Hydro	Lagging Power Factor Surcharge
Less than 100% but 90% or more	Nil
Less than 90% but 88% or more	2%
Less than 88% but 85% or more	4%
Less than 85% but 80% or more	9%
Less than 80% but 75% or more	16%
Less than 75% but 70% or more	24%
Less than 70% but 65% or more	34%
Less than 65% but 60% or more	44%
Less than 60% but 55% or more	57%
Less than 55% but 50% or more	72%
Less than 50%	80%

No credit will be allowed for leading Power Factor.

### 7.3. Disturbing Use

All equipment for which Electricity is supplied shall be subject to the reasonable approval of BC Hydro and the Customer shall take and use the Electricity so as not to endanger BC Hydro's apparatus or cause any undue or abnormal fluctuations of BC Hydro's line voltage or introduce disturbing elements into BC Hydro's system; and for three phase, four wire service the system design of the Premises served must not be such that any condition of unbalanced load between phases is more than 10% of the phase carrying the least load.

BC Hydro may require the Customer, at the Customer's own expense, to provide equipment which will reasonably limit such fluctuations or disturbances and may refuse to supply Electricity or suspend the supply thereof until such equipment is provided.

### 8. DISTRIBUTION EXTENSIONS - 35 KV OR LESS

### 8.1. General Terms

BC Hydro will construct distribution Extensions operating at a voltage of 35 kV or less to provide Permanent Service to applicants:

- (a) along public roads or equivalent to public roads, and
- (b) on rights-of-way across private property.

The applicant is responsible for all rights-of-way clearing costs for the Extension.

### 8.2. <u>Types of Distribution Extensions</u>

Extensions may be constructed either overhead or underground at the request of the applicant. BC Hydro will construct Extensions underground where such construction is in accordance with BC Hydro's distribution system development plans.

### 8.3. Extension Fee for Rate Zone I

The maximum contribution that BC Hydro is prepared to make toward an Extension in Rate Zone I is as follows:

Rate Class	Maximum BC Hydro Contribution
Residential	\$800 per Single-Family Dwelling
General Service	\$200 per kW of Estimated Billing Demand
Street Lighting	\$125 per Fixture
Irrigation	\$100 per kW of Estimated Billing Demand

An Extension will not proceed until the Customer pays the Extension Fee. The Extension Fee is the Estimated Construction Cost of the Extension less BC Hydro's Contribution toward the Extension. If BC Hydro's maximum contribution is greater than the Estimated Construction Cost of the Extension then the Extension Fee shall be zero but the difference between BC Hydro's maximum contribution and the Estimated Construction Cost of the Extension may not be used to reduce the Customer's Service Connection Charge.

For new services with a total expected Maximum Demand greater than 500 kVA, the Estimated Construction Cost of the Extension shall include the System Improvement Costs.

Where BC Hydro has determined that an applicant will cease taking service or that there will be a substantial reduction in the applicant's load within the first 10 years, and where BC Hydro does not expect future Customers to connect to the Extension, BC Hydro may reduce its maximum contribution toward the Extension.

If a Customer requests Optional Facilities, BC Hydro may provide the Optional Facilities provided that the Customer pays a non-refundable Optional Facilities Extension Fee equal to the Estimated Construction Cost of the Optional Facilities and any System Improvement Costs, plus the present value, over the expected life of the Optional Facilities, of the net operating and maintenance costs of the Optional Facilities. BC Hydro will not contribute toward the costs of Optional Facilities.

An applicant's Extension Fee shall be paid either in cash before the commencement of construction or, with BC Hydro's agreement, wholly or partly in kind.

### 8.4. Guarantee

Customers with an expected Maximum Demand, as reasonably forecast by BC Hydro, greater than 100 kW may be required to provide a guarantee in the form of cash or an equivalent form of guarantee acceptable to BC Hydro.

The amount of the guarantee will be determined by BC Hydro and the maximum amount shall be equal to all or part of BC Hydro's Contribution. The guarantee will be held for a period of up to five years.

At the end of the guarantee period, BC Hydro will re-evaluate BC Hydro's Contribution based on the actual number of Customers and the actual average Billing Demand over the guarantee period. Based on the re-evaluation, BC Hydro will return the guarantee either in whole or in part, or will return none of the guarantee. Interest will not be paid on the guarantee.

# 8.5. Refund of Extension Fee for Rate Zone I (Excluding Subdivisions)

### 8.5.1. Extension Fee \$5,000 or Less

For an Extension where an Extension Fee of \$5,000 or less is required from the Customer, BC Hydro will automatically refund to the Customer 20% of the required Extension Fee. This refund is in recognition of the estimated impact of subsequent Customer additions over the first five years and the original Customer is not eligible for any future refunds.

### 8.5.2. Extension Fee Greater Than \$5,000

For an Extension where an Extension Fee greater than \$5,000 is required from the Customer, BC Hydro will refund to the original Customer the difference, if any, between BC Hydro's maximum contribution for a subsequent Customer (as determined by BC Hydro) and BC Hydro's Contribution for that subsequent Customer, for all subsequent Customers that connect to the Extension in the first five years after the Extension is energized.

Refunds shall not exceed the original Customer Extension Fee. Amounts of \$100 or less will not be refunded. Interest will not be paid on refunds.

A Customer may apply for a refund at any time after the first anniversary date of completion of the Extension. A refund evaluation request may only be made once in any 12-month period.

The Customer is responsible for initiating a written request to BC Hydro for a refund. Any Customer who fails to provide such a written request by the end of the sixth year after the energization of the Extension will forfeit all rights to any refund.

### 8.6. <u>Distribution Extensions Serving Subdivisions for Rate Zone I</u>

### 8.6.1. Non-Residential Subdivisions

If BC Hydro receives from a subdivider of a parcel of land an application to provide Permanent Service which will require an Extension to serve a non-residential subdivision, the subdivider will pay an Extension Fee based on those loads known to be connecting to the Extension, as determined by BC Hydro.

BC Hydro will refund to the subdivider the difference, if any, between BC Hydro's maximum contribution for a subsequent Customer (as determined by BC Hydro) and BC Hydro's Contribution for that subsequent Customer, for all subsequent Customers that connect to the Extension in the first five years after the Extension is energized.

Refunds shall not exceed the subdivider's Extension Fee. Amounts of \$100 or less will not be refunded. Interest will not be paid on refunds.

The subdivider may apply for a refund at any time after the first anniversary date of energization of the Extension. A refund evaluation request may only be made once in any 12-month period.

The subdivider is responsible for initiating a written request to BC Hydro for a refund. Any subdivider who fails to provide such a written request by the end of the sixth year after the completion of the Extension will forfeit all rights to any refund.

### 8.6.2. Residential Subdivisions

For Extensions to serve subdivisions comprised primarily of residential Customers, BC Hydro will base the Extension Fee on the projected Customers that BC Hydro forecasts will be connected to the Extension in the first five years. When the Extension Fee is determined in this manner, the subdivider will not be eligible for any future refunds.

Alternatively, the subdivider may elect to have the subdivision treated on the same terms and conditions as applicable to "Non-residential Subdivisions".

### 8.7. Extensions for Rate Zone II

An applicant in Rate Zone II (including an Extension to serve a subdivision) will be required to contribute the Estimated Construction Cost of the Extension, plus the present value of net operating and maintenance costs. An applicant in Rate Zone II who contributes towards the construction of an Extension will not be eligible for any future refunds.

### 8.8. <u>Uneconomic Extension Fund</u>

For the purpose of this section, "extension cost" is defined as the "Extension Fee for Rate Zone I" or the applicant's contribution as defined above in "Extensions for Rate Zone II".

BC Hydro will budget funds annually to its Uneconomic Extension Fund which is intended to provide limited assistance to eligible applicants who are required to pay an extension cost for the construction of an Extension. Each year applications will be received and funds will be allocated on the basis of lowest cost per Customer connected to the BC Hydro distribution system.

Applicants must apply for funding from the Uneconomic Extension Fund and will be subject to the following requirements:

- (a) For a single phase Extension to serve a Principal Residence on a parcel of land, the applicant shall pay:
  - (i) an extension cost for the first Span of Line, including Transformation and a Crossing Pole, and the extension cost of any distribution line in excess of the next 800 metres beyond the first Span of Line; and
  - (ii) for the next 800 metres beyond the first Span of Line, 10% of the Estimated Construction Cost and the present value of net operating and maintenance costs;
- (b) For a single phase Extension to serve a Principal Residence on a farm, the applicant shall pay:
  - (i) an extension cost, for the first Span of Line, including Transformation and a Crossing Pole, and the extension cost of any distribution line in excess of the next 1200 metres beyond the first Span of Line; and
  - for the next 1200 metres beyond the first Span of Line, 10% of the Estimated Construction Cost and the present value of net operating and maintenance costs;
- (c) For a single or three phase Extension to serve a farm irrigation load, the applicant shall pay an extension cost, on the complete Extension, less a contribution by BC Hydro of up to six times the estimated annual revenue. The maximum contribution by BC Hydro will be no more than the Estimated Construction Cost of the Extension.

Applicants who contribute towards the construction of an Extension and who receive funding from the Uneconomic Extension Fund will not be eligible for any future refunds.

8.9. <u>Distribution Extensions on Private Property (All Rate Zones)</u>

BC Hydro will determine if an Extension on private property is of such length as to make it uneconomic for BC Hydro to construct, own and operate or to assume ownership and maintenance of these facilities.

# 8.10. <u>Distribution Extensions on Private Property Constructed by BC Hydro (All Rate Zones)</u>

If an applicant requests, and BC Hydro agrees, then BC Hydro may extend its lines and transformers on private property when it is impractical or uneconomic for the applicant to take service directly from BC Hydro's distribution facilities on public property. The applicant shall be responsible for all right-of-way clearing and for all civil work associated with an underground Extension, including ducts foundations and pads. BC Hydro's agreement will be based on the following:

- 1. <u>Standards:</u> The applicant shall ensure that all clearing and civil work is performed in accordance with BC Hydro's distribution and environmental standards.
- 2. <u>Operation and Maintenance Limits:</u> BC Hydro will own, operate and maintain the electrical components of the distribution facilities including poles supporting overhead lines, up to the Point of Delivery. Civil work, including ducts, foundations and pads associated with an underground facility will be owned and maintained by the Customer.
- 3. Access: The Customer shall provide BC Hydro, without any cost to BC Hydro, such easements or rights-of-way, over, upon or under the property owned, controlled or leased by the Customer as BC Hydro reasonably requires at any time for unimpeded ingress and egress for the purposes of the construction, installation, maintenance, repair, operation and removal of the facilities required for a Service Connection to the Customer, for vegetation management, emergency response and the performance of all other obligations required to be performed by BC Hydro.

# 8.11. <u>Distribution Extensions On Private Property Constructed by the Customer</u> (All Rate Zones)

If the Customer requests, and provided BC Hydro agrees, then BC Hydro may assume ownership and maintenance of the distribution facilities on private property up to the Point of Delivery. BC Hydro's agreement will be based on:

- 1. The Customer shall provide right of access and transfer all right, title and interest to the facilities to BC Hydro;
- 2. The facilities must be either newly constructed or have been reconstructed within the past 12 months;

- 3. The facilities must be constructed in accordance with BC Hydro's distribution and environmental standards;
- 4. BC Hydro will own, operate and maintain the electrical components of the distribution facilities, including poles supporting overhead lines, up to the Point of Delivery. Civil work including ducts, foundations and pads associated with an underground facility will be owned and maintained by the Customer; and
- 5. The Customer shall pay a fee to cover BC Hydro's estimated cost for an inspection of the facilities. A Customer in Rate Zone II shall also pay the present value of net operating and maintenance costs.

### 9. **GENERAL PROVISIONS**

# 9.1. Use of Electricity

A Customer shall use Electricity only for the purposes permitted under the availability clause of the Rate Schedule for which application is or was made.

### 9.2. Resale of Electricity

If a Customer wishes to sell Electricity which the Customer has purchased from BC Hydro to a tenant of that Customer on the same Premises on a metered basis, then the Customer shall agree that the selling price for such Electricity shall not exceed the price which BC Hydro would have charged had that tenant been a Customer of BC Hydro. This requirement shall be included in an agreement for resale between BC Hydro and the Customer.

# 9.3. Rental Premises

As a condition of service to rental Premises, an owner or operator who wishes BC Hydro to consider dealing directly with a tenant or tenants may be required to enter into a Rental Premises Agreement with BC Hydro which provides for responsibilities of the owner or operator in relation to payment for service used in the Premises. Notwithstanding any Rental Premises Agreement BC Hydro may, at its sole option at any time and from time to time, either:

- (a) deal directly with the owner or operator of the Premises as a Customer of BC Hydro in respect to any and/or all services to the Premises, or
- (b) subject always to the provisions of any Rental Premises Agreement, deal directly with each tenant as a Customer of BC Hydro.

# 9.4. Special Contracts

Where Electricity is required under unusual conditions, BC Hydro may provide the service under a special contract. The approval of the British Columbia Utilities Commission is required for any special contract.

### 9.5. Access to Premises

BC Hydro's agents and employees shall have, at all reasonable times, free access to the equipment supplied with Electricity, and to BC Hydro's meters, wires and apparatus on the Customer's Premises, for the purpose of reading meters and testing, installing, removing, repairing or replacing any of BC Hydro's equipment, and to ascertain the quantity or method of use of service and the amount of Electricity consumed. If access to meter rooms or other locations where BC Hydro equipment is installed is restricted, the Customer shall supply BC Hydro with lockbox keys or other keys or means of access as may be necessary to provide BC Hydro with ready access to those locations. In no case will BC Hydro accept keys to private residential Premises.

If free access to BC Hydro's equipment on the Customer's Premises is denied or obstructed in any manner, including by debris, unsafe walkways or other means of access, or the presence of animals, and the Customer does not remedy the problem upon being requested by BC Hydro to do so, service may be suspended and not reconnected until the problem is corrected.

# 9.6. Curtailment of Service

At any time in the event of a shortage of water or fuel supply, whether actual or apprehended by officials of BC Hydro, or in the event of a breakdown or failure of generating, transmitting or distributing plant, lines or equipment, or to comply with the requirements of any law, BC Hydro shall have the right to require any Customer or class or classes of Customer or all its Customers, until notice of termination of the requirement is given or between specified hours, to discontinue the use of Electricity for any purpose or purposes or for all purposes or to reduce in any specified degree or to any specified degree or quantity the consumption of Electricity for any purpose or purposes or for all purposes.

Any such requirement may be communicated to any Customer or Customers or to all Customers by either or both of the following means, that is to say, public notices in the press and announcements over radio or television, and may be communicated to any individual Customer by either or both of the following means, that is to say, notice in writing (either sent through the mail or left at the Premises where electric service is received, or served personally) and oral (which may be by telephone) communication. Any notice of the termination of any requirement may be communicated similarly.

If in the opinion of any official of BC Hydro any Customer of BC Hydro has failed to comply with any requirement of BC Hydro communicated as aforesaid, BC Hydro shall be at liberty, after notice to the Customer communicated as aforesaid, to discontinue electric service to such Customer.

BC Hydro shall not be liable for any loss, injury, damage or expense occasioned to or suffered by any Customer for or by reason of the making of any such requirement or the discontinuance of electric service to the Customer as aforesaid.

### 9.7. Liability of BC Hydro

BC Hydro will endeavour to provide a regular and uninterrupted supply of Electricity but it does not guarantee a constant supply of Electricity or the maintenance of unvaried frequency or voltage and shall not be responsible or liable for any loss, injury, damage or expense caused by or resulting from any interruption, termination, failure or defect in the supply of Electricity, whether caused by the negligence of BC Hydro, its servants or agents, or otherwise unless the loss, injury, damage or expense is directly resulting from the wilful misconduct of BC Hydro, its servants or agents provided, however, that BC Hydro, its servants and agents are not responsible for any loss of profit, loss of revenues or other economic loss even if the loss is directly resulting from the wilful misconduct of BC Hydro, its servants or agents.

BC Hydro reserves the right to suspend or terminate service at any time to prevent fraudulent use of Electricity, to protect its property, or to protect its service to other Customers, or if the Customer fails to comply with the terms of its service agreement, or if BC Hydro is ordered by a competent government authority to suspend or terminate such service.

Electric service may be temporarily suspended to make repairs or improvements to BC Hydro's system or in the event of fire, flood or other sudden emergency. BC Hydro will, whenever practicable, give notice of such suspension to the Customer and will restore service as soon as reasonably possible. Such notice may be given by newspaper, radio or television announcement. BC Hydro shall not be liable for any loss, injury or damage caused by or arising out of any such suspension of service.

### 9.8. <u>Liability of Other Utilities</u>

Service under the Electric Tariff is provided by BC Hydro sometimes by the use of the property and service provided by or shared with other utilities, telephone and electric. It is a condition of service that any loss or damages, direct or indirect, which the Customer may suffer by reason of any defect in the service to be provided under the Electric Tariff or any interruption in or failure to provide service, whether or not caused by negligence, shall not be recoverable from such other utilities and that the Customer shall not take proceedings of any kind against any of the said utilities by reason of any defect in the service to be provided under the Electric Tariff or any interruption in or failure to provide service to the Customer.

### 9.9. Assignment

A Customer shall not assign a service agreement to another individual or person.

Terms and Conditions Effective: 01 April 2008

Original Page 37

### 9.10. Conflicting Terms and Conditions

Whenever anything in these Terms and Conditions is in conflict with any special terms or conditions provided in any Rate Schedule, the terms or conditions provided in the Rate Schedule shall prevail and whenever anything in these Terms and Conditions or in any Rate Schedule is in conflict with the terms of any special contract the terms of such special contract shall prevail.

### 10. RATE ZONE II

### 10.1. Supply in Rate Zone II

1. Where BC Hydro supplies Electricity in Rate Zone II for a Customer whose demand is or is likely to be in excess of 45 kV.A or for an independent power producer Customer, BC Hydro may require that supply to such Customers be by special contract. Such supply is subject to special conditions as provided in this section and as BC Hydro, in its sole discretion, considers necessary to insert in the Customer's special contract.

BC Hydro will, where possible, supply such Customer, provided that:

- (a) service can be provided on terms which are not unduly uneconomic from BC Hydro's point of view, or
- (b) no undue disturbance will be caused either to the system or to other Customers.

Where impairment of supply to the area is or may be involved BC Hydro may supply only such part of the Customer's requirement as, in BC Hydro's opinion, may be supplied without impairment of supply to the area as a whole.

2. For a Customer in Rate Zone II (other than an Independent Power Producer), where all or a portion of the Customer's load is served under a special contract, the Energy component of the special contract rate shall be the average unit cost incurred by BC Hydro to generate Electricity at all diesel generating stations (excluding standby diesel generating stations) owned and operated by BC Hydro in Rate Zone II. The average unit cost shall be calculated by summing all costs (excluding standby diesel generating stations) to BC Hydro in Rate Zone II of fuel oil and maintenance and dividing that sum by the total kilowatt hours generated by all such diesel generating stations during BC Hydro's immediately prior fiscal year and this average unit cost shall apply starting the 1<sup>st</sup> of June of each year and shall continue until the 1<sup>st</sup> of June of the following year, at which time it will be adjusted as provided in the special contract.

- For an Independent Power Producer (IPP) Customer in Rate Zone II, served under a special contract entitled "Interruptible Electricity Supply Agreement", the Energy component of the rate shall be the greater of:
  - (a) the unit price paid by BC Hydro to the IPP for the most recent purchase of Electricity from the IPP, or
  - (b) the average unit cost incurred by BC Hydro to generate Electricity at all diesel generating stations owned and operated by BC Hydro in Rate Zone II, plus a 10% profit margin. The average unit cost shall be calculated by summing all costs to BC Hydro in Rate Zone II of fuel oil, operating and maintenance and dividing that sum by the total kilowatt hours generated by all such diesel generating stations during BC Hydro's immediately prior fiscal year and this average unit cost, plus a 10% profit margin, shall apply starting the 1<sup>st</sup> of July of each year and shall continue until the 1<sup>st</sup> of July of the following year, at which time it will be adjusted as provided in the Interruptible Electricity Supply Agreement.

### 10.2. Payment of Costs to Integrate Rate Zone II Districts

BC Hydro's normal contribution will be based on the present value of cost savings that BC Hydro anticipates from being able to serve the existing Rate Zone II District load plus forecast growth from the integrated system rather than from remote generation. The present value calculations will reflect:

- BC Hydro's forecast of short term marginal values and long term marginal costs of Electricity supply from the integrated system, and
- 2. a reasonable estimate of the expected escalation in the cost of existing remote generation plant, and
- 3. any plans for capital replacement of, or addition to, the existing remote generation plant, including consideration of any expected efficiency gains resulting from the capital replacement or addition, and
- 4. the current taxation procedures for the specific transmission facilities required for integration.

### 11. SCHEDULE OF STANDARD CHARGES

# 11.1. Minimum Connection Charges - Rate Zone I

Single phase secondary Service Connections plus one meter for various main switch amperage ratings:

Overhead	100 Amp.	\$463.00
	200 Amp.	\$496.00
	400 Amp.	\$798.00
Underground	100 Amp.	\$605.00
_	200 Amp.	\$855.00

Additional Service Connection charges may apply as set out in this Tariff under the heading "Service Connection Charges".

Each additional meter when installed at the same time as the Service Connection installation.	\$23.00
One or more additional meters installed subsequent	·
to Service Connection installation. On each field trip:	
- First Meter	\$92.00
- Each Additional Meter	\$23.00

A premium may be charged for a new connection made outside of BC Hydro's regular working hours.

# 11.2. Minimum Reconnection Charges

If the Customer request for reconnection allows BC Hydro to make the reconnection during regular working hours.	\$125.00 per meter
If the Customer request for reconnection requires BC Hydro to make the reconnection on overtime.	\$158.00 per meter
If the Customer request for reconnection requires BC Hydro to make the reconnection on a call out.	\$355.00 per meter

# 11.3. <u>Miscellaneous Charges</u>

Late Payment Charge	1.5% per month (equivalent 19.6% per annum compounded monthly).
Returned Cheque or Pre- Authorized Payment Charge Note 1	Equivalent to BC Hydro's lead bank's NSF cheque charge in effect on 1 April of each year.

Account Charge Note 2	\$12.40
Transformer Rental Charge	17% per annum of replacement value to be billed monthly.
Collection Charge	\$39.00
DataPlus Service – CLOSED	\$360.00 per year per Collective Master Account. This option is only available to existing DataPlus Customers.
Call-Back Charge – Zone I	\$194.00
Net Metering Site Acceptance Verification Fee (Generators above 5 kW)	BC Hydro's actual costs, to a maximum of \$600.00.

As at 1 November 2006, the charge is \$20.00. Note 1

Note 2 Exceptions to this charge are set out in this Tariff under the heading "Account Charge".

# **Appendix F**

(Total Capital Related Customer Allowance)

The applicant is responsible for all rights-of-way clearing costs for the Extension.

### 8.2. Types of Distribution Extensions

Extensions may be constructed either overhead or underground at the request of the applicant. BC Hydro will construct Extensions underground where such construction is in accordance with BC Hydro's distribution system development plans.

### 8.3. <u>Extension Fee for Rate Zone I</u>

The maximum contribution that BC Hydro is prepared to make toward an Extension in Rate Zone I is as follows:

Rate Class	Maximum BC Hydro Contribution
Residential	\$1,475 per Single-Family Dwelling
General Service	\$200 per kW of Estimated Billing Demand
Street Lighting	\$150 per Fixture
Irrigation	\$150 per kW of Estimated Billing Demand

An Extension will not proceed until the Customer pays the Extension Fee. The Extension Fee is the Estimated Construction Cost of the Extension less BC Hydro's Contribution toward the Extension. If BC Hydro's maximum contribution is greater than the Estimated Construction Cost of the Extension then the Extension Fee shall be zero but the difference between BC Hydro's maximum contribution and the Estimated Construction Cost of the Extension may not be used to reduce the Customer's Service Connection Charge.

For new services with a total expected Maximum Demand greater than 500 kVA, the Estimated Construction Cost of the Extension shall include the System Improvement Costs.

Where BC Hydro has determined that an applicant will cease taking service or that there will be a substantial reduction in the applicant's load within the first 10 years, and where BC Hydro does not expect future Customers to connect to the Extension, BC Hydro may reduce its maximum contribution toward the Extension.

If a Customer requests Optional Facilities, BC Hydro may provide the Optional Facilities provided that the Customer pays a non-refundable Optional Facilities Extension Fee equal to the Estimated Construction Cost of the Optional Facilities and any System Improvement Costs, plus the present value, over the expected life of the Optional Facilities, of the net operating and maintenance costs of the Optional Facilities. BC Hydro will not contribute toward the costs of Optional Facilities.

An applicant's Extension Fee shall be paid either in cash before the commencement of construction or, with BC Hydro's agreement, wholly or partly in kind.