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March 15, 2012

Ms. Alanna Gillis
Acting Commission Secretary
British Columbia Utilities Commission
Sixth Floor – 900 Howe Street
Vancouver, BC V6Z 2N3

Dear Ms. Gillis:

RE: Project No. 3698622
British Columbia Utilities Commission (BCUC)
British Columbia Hydro and Power Authority (BC Hydro)
Amended F2012 to F2014 Revenue Requirements Application (F12-F14 RRA)
Compliance with BCUC Order No. G-17-12

As described in Amended Appendix X of the Amended F12-F14 RRA, and in compliance with BCUC Order No. G-17-12, establishing interim rates for BC Hydro's fiscal period commencing April 1, 2012 (**F2013**), and pricing principles established by BCUC Order Nos. G-45-11, G-110-10, G-79-05, G-192-10 and G-36-11, BC Hydro files its tariff sheets prescribing the rates to be charged for the different classes of service it provides in F2013, pursuant to section 61(1) of the *Utilities Commission Act*.

BCUC Order No. G-45-11 establishes the pricing principle for the Residential Inclining Block (**RIB**) rate (Rate Schedule (**RS**) 1101), and BCUC Order No. G-110-10 establishes the pricing principles for the Medium General Service (**MGS**) rate (RS 15xx) and Large General Service (**LGS**) rate (RS 16xx). BCUC Order No. G-79-05 establishes the pricing principle for the Transmission Service Stepped Rate (RS 1823), and BCUC Order No. G-192-10 establishes the pricing principle for the OATT tariffs. BCUC Order No. G-36-11 establishes the pricing principle for the Large General Service Rate for Distribution Utilities (RS 26xx) that is applicable to Corix Utilities.

The tariff sheets containing F2013 interim rates that are calculated according to BCUC Order Nos. G-17-2, G-45-11, G-110-10, G-79-05, G-192-10 and G-36-11 are included in Appendix 1. This appendix includes all BC Hydro's tariff sheets which are being submitted for BCUC stamping.

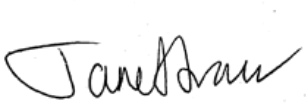
Appendix 2 contains a revised version of Amended Table X-1 from Amended Appendix X from the Amended F12-F14 RRA, showing the actual rates charged in F2012; the rates for F2013 as set out in the tariff sheets in Appendix 1; and illustrative rates for F2014.

Appendix 3 explains and demonstrates the calculation of the MGS (RS 15xx), LGS (RS 16xx), RIB (RS 1101), TSR (RS 1823) and Corix (RS 26xx) rates in accordance with the applicable pricing principles.

Section 9.3 OATT Rates, pages 9-14 to 9-19, of the Amended F12-F14 RRA includes and describes the derivation of the F2013 OATT rates which are filed in this application.

For further information, please contact Sylvia von Minden at 604-623-3830 or by e-mail at bchydroregulatorygroup@bchydro.com.

Yours sincerely,



Janet Fraser
Chief Regulatory Officer

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Copy to: BCUC Project No. 3698622 (BC Hydro Amended F12-F14 RRA) Registered Intervener Distribution List.

Amended F12-F14 RRA
Compliance with BCUC Order No. G-17-12

BC hydro

Appendix 1

Tariff Pages

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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 15.05¢ per day

Energy Charge

A. For customers billed monthly
   Step 1 – First 675 kW.h per month @ 6.80 cents/kW.h
   Step 2 – Additional kW.h per month @ 10.19 cents/kW.h

B. For customers billed bi-monthly
   Step 1 – First 1350 kW.h per two months @ 6.80 cents/kW.h
   Step 2 – Additional kW.h per two months @ 10.19 cents/kW.h

Note: For billing purposes. Step 1 is pro-rated on a daily basis.

2. Schedule 1121 - Multiple Residential Service

Basic Charge 15.05¢ per Single-Family Dwelling per day

Energy Charge – Per Single Family Dwelling

A. For Customers billed monthly
   Step 1 – First 675 kW.h. per month @ 6.80 cents/kW.h
   Step 2 – Additional KW.h per month @ 10.19 cents/kW.h

B. For Customers billed bi-monthly
   Step 1 – First 1350 kW.h per two months @ 6.80 cents/kW.h
   Step 2 – Additional kW.h per two months @ 10.19 cents/kW.h

Note: For billing purposes, Step 1 is pro-rated on a daily basis

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 the Premises contain more than two Single-Family Dwellings.

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: 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.

Interim Increase: Effective April 1, 2012 the Rates and Minimum Charge under these schedules include an increase of 3.91% before rounding, approved by BCUC Order No. G-17-12.

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:

4.45¢ per kW.h

Exception: 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:

25.91¢ per kW.h

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

5. 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.

6. 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.

7. 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.

8. 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

9. 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: 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.

Interim Increase: Effective April 1, 2012 the Rates and Minimum Charge under these schedules include an increase of 3.91% before rounding, approved by BCUC Order No. G-17-12.

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	16.05 ¢	per day	
First 1500 kW.h		per month	@ 8.15 ¢ per kW.h
All additional kW.h		per month	@ 14.00 ¢ per kW.h.

2. Schedule 1127 - Multiple Residential Service

Basic Charge	16.05 ¢	per single-family	dwelling per day
First 1500 kW.h		per single-family	dwelling per month
			@ 8.15 ¢ per kW.h
All additional kW.h		per month	@ 14.00 ¢ per kW.h.

Minimum Charge: Schedule 1107 - The Basic 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 the Premises contain more than two Single-Family Dwellings.

Discount for Ownership of Transformers: 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: 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.

Interim Increase: Effective April 1, 2012 the Rates and Minimum Charge under these schedules include an increase of 3.91% before rounding, approved by BCUC Order No. G-17-12.

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 16.05 ¢ per day

All kW.h @ 8.15 ¢ per kW.h.

Minimum Charge: The Basic Charge.

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: 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.

Interim Increase: Effective April 1, 2012 the Rates and Minimum Charge under these schedules include an increase of 3.91% before rounding, approved by BCUC Order No. G-17-12.

SCHEDULE 1151, 1161 - EXEMPT RESIDENTIAL SERVICE

Availability: For residential service and uses exempted from rate schedules 1101 and 1121, including:

1. Use upon farms as referenced in the definition of Residential Service.
2. Residential service Customers in Rate Zone IB.
3. Customers enrolled in BC Hydro's residential inclining block (RIB) rate control group. A Customer who ceases to be enrolled in the RIB rate control group shall revert to service under Rate Schedule 1101.

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 and Rate Zone IB

Rate:

1. Schedule 1151 – Residential Service

   Basic Charge 16.05¢ per day
   All kW.h @ 8.15¢ per kW.h

2. Schedule 1161 – Multiple Residential Service

   Basic Charge 16.05¢ per day per Single-Family Dwelling per day
   All kW.h @ 8.15¢ per kW.h

Minimum Charge: Schedule 1151 - The Basic Charge.

Schedule 1161 – The Basic Charge per Single-Family Dwelling

Special Conditions: 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.

BC Hydro will provide a Bill Guarantee to customers in the RIB rate control group as follows:

BC Hydro will periodically credit to the RIB rate control group subscriber's account any positive difference between the total dollar amount billed to the subscriber under the RS 1151 tariff and the total dollar amount derived by rendering bills on the same metered usage using the rates in RS 1101 for the applicable period, for the duration of the RIB rate control group.

Discount for Ownership of Transformers:	A discount of 25¢ per month per kW of maximum demand shall be applied to Schedule 1161 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 1161 Customers eligible for the Discount for Ownership of Transformers shall be Schedule 1162.
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.
Interim Increase:	Effective April 1, 2012 the Rates and Minimum Charge under these schedules include an increase of 3.91% before rounding, approved by BCUC Order No. G-17-12.

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

Availability: For Customers who qualify for General Service and who are enrolled in BC Hydro's Medium General Service (MGS) or Large General Service (LGS) control groups and customers in Rate Zone 1B. A Customer who ceases to be enrolled in a MGS or the LGS control group shall revert to service under the applicable MGS rate schedule or LGS rate schedule. 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 and Rate Zone IB.

Rate: Basic Charge

19.25 ¢ per day

Demand Charge

First 35 kW of Billing Demand per Billing Period @ $0.00 per kW
Next 115 kW of Billing Demand per Billing Period @ $4.69 per kW
All additional kW of Billing Demand per Billing Period @ $9.00 per kW

Energy Charge

First 14800 kW.h of energy consumption in the Billing Period @ 9.15 ¢ per kW.h
All additional kW.h of energy consumption in the Billing Period @ 4.40 ¢ per kW.h

Discounts

1. A discount of 1½% shall be applied to the above charges if a Customer's supply of electricity is metered at a primary potential.

2. A discount of 25¢ per billing period per kW of billing demand shall be applied to the above charges 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 Billing Demand shall be the highest kW demand in the Billing Period.

Billing Period: "Billing Period" means a period of 27 to 33 consecutive days between regular meter readings, provided that in cases where meter readings are not available or are delayed for any reason BC Hydro may vary the number of days in the Billing Period.

Monthly Minimum Charge: 50% of the highest maximum demand charge billed in any billing period wholly within an on-peak period during the immediately preceding eleven billing periods. 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:

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. Migration rule (between Exempt General Service and Small General Service): Customers taking service at Exempt General Service rates (Rate Schedules 1200, 1201, 1210 or 1211) will be moved to service at Small General Service rates (Rate Schedules 1300, 1301, 1310 or 1311) if the Customers' Billing Demand in each of the 12 most recent consecutive Billing Periods was less than 35 kW.

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.

Interim Increase: Effective April 1, 2012 the Rates and Minimum Charge under these schedules include an increase of 3.91% before rounding, approved by BCUC Order No. G-17-12.

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 @ 4.45 ¢ per kW.h
All additional	kW.h per month @ 2.92 ¢ per kW.h

Exception: 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:

25.91 ¢ 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.

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 ¢ 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: 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.

Interim Increase: Effective April 1, 2012 the Rates and Minimum Charge under these schedules include an increase of 3.91% before rounding, approved by BCUC Order No. G-17-12.

SCHEDULE 1234 – SMALL 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 19.25 ¢ per day First 7000 kW.h per month @ 9.15 ¢ per kW.h All additional kW.h per month @ 15.25 ¢ per kW.h
Minimum Charge:	The Basic Charge.
Special Conditions for Unmetered Service:	Same as in Rate Schedules 1300, 1301, 1310 and 1311.
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.
Interim Increase:	Effective April 1, 2012 the Rates and Minimum Charge under these schedules include an increase of 3.91% before rounding, approved by BCUC Order No. G-17-12.

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: $35.30

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: 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.

Interim Increase: Effective April 1, 2012 the Rates and Minimum Charge under these schedules include an increase of 3.91% before rounding, approved by BCUC Order No. G-17-12.

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 19.25 ¢ per day

First 200 kW.h per kW of demand per month @ 9.15 ¢ per kW.h

All additional kW.h per month @ 15.25 ¢ 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 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 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:

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.

Interim Increase:

Effective April 1, 2012 the Rates and Minimum Charge under these schedules include an increase of 3.91% before rounding, approved by BCUC Order No. G-17-12.

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: 0.142 ¢ 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: 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.

Interim Increase: Effective April 1, 2012 the Rates and Minimum Charge under these schedules include an increase of 3.91% before rounding, approved by BCUC Order No. G-17-12.

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: $2.284 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

5.973 ¢ per kW.h per month.

Monthly Minimum Charge: The greater of:

(i) $4.46 per kV.A of maximum demand, or
(ii) $8,925.28

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: 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.

Interim Increase: Effective April 1, 2012 the Rates and Minimum Charge under these schedules include an increase of 3.91% before rounding, approved by BCUC Order No. G-17-12.

SCHEDULE 1300, 1301, 1310, 1311 SMALL GENERAL SERVICE (UNDER 35 KW)

Availability: For Customers who qualify for General Service and whose billing demand, metered or estimated by BC Hydro, as applicable, is less than 35 kW.

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

Applicable in: Rate Zone I and Rate Zone IB.

Rate: Basic Charge

19.25 ¢ per day

Energy Charge

All kW.h at 9.15 ¢ per kW.h

Discounts

1. A discount of 1½% shall be applied to the above charges if a Customer's supply of electricity is metered at a primary potential.

2. A discount of 25¢ per month per kW of maximum demand shall be applied if a Customer supplies transformation from a primary potential to a secondary potential. BC Hydro will install a demand meter in addition to a kilowatt hour meter.

3. If a Customer is entitled to both of the above discounts, the discount for metering at a primary potential shall be applied first.

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.

Interim Increase: Effective April 1, 2012 the Rates and Minimum Charge under these schedules include an increase of 3.91% before rounding, approved by BCUC Order No. G-17-12.

SCHEDULE 1500, 1501, 1510, 1511 – MEDIUM GENERAL SERVICE (35 KW OR GREATER AND LESS THAN 150 KW)

Availability: For Customers who qualify for General Service and whose Billing Demand (determined under the Special Conditions below) is equal to or greater than 35 kW but less than 150 kW, or whose energy consumption in any 12 consecutive period is equal to or less than 550,000 kW.h. 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.

Charges: Basic Charge

19.25 ¢ per day

Demand Charge

First 35 kW of Billing Demand per Billing Period	@ $0.00 per kW
Next 115 kW of Billing Demand per Billing Period	@ $4.69 per kW
All additional kW of Billing Demand per Billing Period	@ $9.00 per kW

Energy Charge

1. Energy Charge – Customers who have not yet been transferred to the rate under Part 2

   Energy Charges will be determined under this part for Customers who have not yet been transferred to service at the rate under Part 2.

   First 14,800 kW.h of energy consumption in the Billing Period @ Tier 1 rate of 8.97 ¢ per kW.h.

   All additional kW.h of energy consumption in the Billing Period @ Tier 2 rate of 4.90 ¢ per kW.h.

2. Energy Charge – Customers who have been transferred to the rate under this part (see Special Condition 5 below).

Except for Customers being billed under "2.1 Energy Charge – Customers without HBLs", BC Hydro will determine monthly Historical Baselines ("HBLs") and related Billing Baselines ("BBLs") for use in calculating the Energy Charge payable by a Customer in a Billing Period.

2.1 Energy Charge - Customers without HBLs
Energy Charges will be determined under this part for Customers who do not have HBLs determined by BC Hydro under the Special Conditions below. The Energy Charges under this part will apply until HBLs can be determined by BC Hydro under the Special Conditions below.

Energy Charge:

15% of energy consumption in the Billing Period @ 9.42 ¢ per kW.h which is the marginal cost based energy rate.

For 85% of energy consumption in the Billing Period the following rates are applied:

If 85% of energy consumption is greater than 14,800 kW.h:

[85% of energy consumption minus 14,800] kW.h of energy consumption in the Billing Period @ Tier 2 rate of 4.90 ¢ per kW.h.

14,800 kW.h of energy consumption in the Billing Period @ Tier 1 rate of 8.97 ¢ per kW.h.

If 85% of energy consumption is less than or equal to 14,800 kW.h:

85% of energy consumption in the Billing Period @ Tier 1 rate of 8.97 ¢ per kW.h.

2.2 Energy Charge - Customers with HBLs
Energy Charges will be determined under this part for:

1. Customers who have been transferred to service at the rate under this part 2. for whom HBLs were determined by BC Hydro in accordance with the Special Conditions below, and
2. Customers who have been transferred to service at the rate under this part 2. for whom HBLs were determined by BC Hydro in accordance with the Special Conditions below after completion of 12 consecutive months of service under this rate schedule.

The Energy Charge is the Part 1 Energy Charge plus any additional charges or minus any credits determined under the Part 2 Energy Charge/Credit below.

Part 1 Energy Charge
The following rates are applied to the Customer's BBL for the Billing Period:

If the BBL is greater than 14,800 kW.h:

[BBL minus 14,800] kW.h of the BBL for the Billing period @ Tier 2 rate of 4.90 ¢ per kW.h.

Last 14,800 kW.h of the BBL for the Billing period @ Tier 1 rate of 8.97 ¢ per kW.h.

If the BBL is less than or equal to 14,800 kW.h:

BBL for the Billing Period @ Tier 1 rate of 8.97 ¢ per kW.h

Part 2 Energy Charge/Credit
The determination of the Part 2 Energy Charge/Credit depends on whether energy consumption in the Billing Period is greater or less than the Customer's BBL for the Billing Period. If energy consumption in the billing period is equal to the BBL there is no Part 2 Energy Charge/Credit.

Consumption greater than BBL
For purposes of the following calculations, the difference between the BBL and the energy consumption for the Billing Period is defined as the "Consumption Greater Than Baseline".

Charge is based on the following three steps:

1. The marginal cost based energy rate of 9.42 ¢ per kW.h is applied to the Consumption Greater Than Baseline subject to a maximum of 20% of the BBL.
2. Tier 1 rate of 8.97 ¢ per kW.h is applied to the lesser of:
   (a) the remaining portion of the Consumption Greater Than Baseline (if any) following step 1 above, and
   (b) that portion of the Consumption Greater than Baseline which is equal to 14,800 kW.h minus 120% of the BBL (but if 14,800 kW.h minus 120% of the BBL would produce a negative number, the result shall be deemed to be zero).
3. Tier 2 rate of 4.90 ¢ per kW.h is applied to the remaining portion of the Consumption Greater Than Baseline (if any) following steps 1 and 2 above.

Consumption less than BBL

For purposes of the following calculations, the difference between the BBL and the energy consumption for the Billing Period is defined as the "Consumption Less Than Baseline".

Credit is based on the following three steps:

1. The marginal cost based energy rate of 9.42 ¢ per kW.h is applied to the Consumption Less Than Baseline subject to a maximum of 20% of the BBL.
2. Tier 1 rate of 8.97 ¢ per kW.h is applied to the lesser of:
   (a) the remaining portion of the Consumption Less Than Baseline (if any) following step 1 above, and
   (b) that portion of the Consumption Less Than Baseline which is equal to 14,800 kW.h minus 20% of the BBL (but if 14,800 kW.h minus 20% of the BBL would produce a negative number, the result shall be deemed to be zero).
3. Tier 2 rate of 4.90 ¢ per kW.h is applied to the remaining portion of the Consumption Less Than Baseline (if any) following steps 1 and 2 above.

Minimum Energy Charge (Applicable to Energy Charge 2.2)

The Minimum Energy Charge is the minimum energy rate of 2.81 cents per kW.h multiplied by the total energy consumption in the Billing Period. The Minimum Energy Charge applies only when the average energy rate in a Billing Period (the Energy Charge 2.2 divided by total energy consumption in the Billing Period) is less than the minimum energy rate.

Discounts

1. A discount of 1½% shall be applied to the above charges if a Customer's supply of electricity is metered at a primary potential.

2. A discount of 25¢ per billing period per kW of billing demand shall be applied to the above charges 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 1500 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.

5. Transfer to the rate under Part 2

Energy Charges under Part 2. will be applied progressively to groups of Customers according to their kW Billing Demand, as follows:

a. Commencing on April 1, 2012, Customers whose Billing Demand is equal to or greater than 85 kW and less than 150 kW at least once in the twelve month period ending September 30 in the previous year.
b. Commencing on April 1, 2013, Customers whose Billing Demand is equal to or greater than 55 kW and less than 150 kW at least once in the twelve month period ending September 30 in the previous year.
c. Commencing on April 1, 2014, all remaining Medium General Service Customers.

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.

Interim Increase: Effective April 1, 2012 the Rates and Minimum Charge under these schedules include an increase of 3.91% before rounding, approved by BCUC Order No. G-17-12.

SCHEDULE 1600, 1601, 1610, 1611 – LARGE GENERAL SERVICE (150 KW AND OVER)

Availability: For Customers who qualify for General Service and whose Billing Demand (determined under the Special Conditions below) is equal to or greater than 150 kW, or whose energy consumption in any 12 month period is greater than 550,000 kW.h. 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.

Charges: Basic Charge

19.25 ¢ per day

Demand Charge

First 35 kW of Billing Demand per Billing Period	@ $0.00 per kW
Next 115 kW of Billing Demand per Billing Period	@ $4.69 per kW
All additional kW of Billing Demand per Billing Period	@ $9.00 per kW

Energy Charge

Except for Customers being billed under "1. Energy Charge – Customers without HBLs", BC Hydro will determine monthly Historical Baselines ("HBLs") and related Billing Baselines ("BBLs") for use in calculating the Energy Charge payable by a Customer in a Billing Period.

1. Energy Charge – Customers without HBLs

   Energy Charges will be determined under this part for Customers for whom no HBLs were determined by BC Hydro under the Special Conditions below at the time they commenced taking service under this rate schedule. The Energy Charges under this part will apply until they have taken service for a period of 12 consecutive months.

   Energy Charge:

   For the first 85% of energy consumption in the Billing Period the following rates are applied:

   First 14,800 kW.h of energy consumption in the Billing Period @ Tier 1 rate of 9.37 ¢ per kW.h.

   All additional kW.h of energy consumption in the Billing period @ Tier 2 rate of 4.51 ¢ per kW.h.

Remaining 15% of energy consumption in the Billing Period @ 9.42 ¢ per kW.h which is the marginal cost based energy rate.

2. Energy Charge – Customers with HBLs

Energy Charges will be determined under this part for:

1. Customers for whom HBLs were determined by BC Hydro in accordance with the Special Conditions below at the time they commenced taking service under this rate schedule, and
2. Customers for whom HBLs were determined by BC Hydro in accordance with the Special Conditions below after completion of 12 consecutive months of service under this rate schedule.

The Energy Charge is the Part 1 Energy Charge plus any additional charges or minus any credits determined under the Part 2 Energy Charge/Credit below.

Part 1 Energy Charge

The following rates are applied to the Customer's BBL for the Billing Period:

First 14,800 kW.h of the BBL for the Billing Period @ the Tier 1 rate of 9.37 ¢ per kW.h.

Additional kW.h of BBL for the Billing Period @ the Tier 2 rate of 4.51 ¢ per kW.h.

Part 2 Energy Charge/Credit

The determination of the Part 2 Energy Charge/Credit depends on whether energy consumption in the Billing Period is greater or less than the Customer's BBL for the Billing Period.

Consumption greater than BBL

For purposes of the following calculations, the difference between the BBL and the energy consumption for the Billing Period is defined as the "Consumption Greater Than Baseline".

Charge is based on the following three steps:

1. The marginal cost based energy rate of 9.42 ¢ per kW.h is applied to Consumption Greater Than Baseline subject to a maximum of 20% of the BBL.

2. Tier 1 rate of 9.37 ¢ per kW.h is applied to the lesser of:

   (a) the remaining portion of the Consumption Greater Than Baseline (if any) following step 1 above, and
   (b) that portion of the Consumption Greater Than Baseline which is equal to 14,800 kW.h minus 120% of the BBL (but if 14,800 kW.h minus 120% of the BBL would produce a negative number, the result shall be deemed to be zero).

3. Tier 2 rate of 4.51 ¢ per kW.h is applied to the remaining portion of the Consumption Greater Than Baseline (if any) following steps 1 and 2 above.

Consumption less than BBL

For purposes of the following calculations, the difference between the BBL and the energy consumption for the Billing Period is defined as the "Consumption Less Than Baseline".

Credit is based on the following three steps:

1. The marginal cost based energy rate of 9.42 ¢ per kW.h is applied to the Consumption Less Than Baseline subject to a maximum of 20% of the BBL.

2. Tier 2 rate of 4.51 ¢ per kW.h is applied to the lesser of:
   (a) the remaining portion of the Consumption Less Than Baseline (if any) following step 1 above, and
   (b) that portion of the Consumption Less Than Baseline which is equal to 80% of the BBL minus 14,800 kW.h (but if 80% of the BBL minus 14,800 kW.h would produce a negative number, the result shall be deemed to be zero).

3. Tier 1 rate of 9.37 ¢ per kW.h is applied to the remaining portion of the Consumption Less Than Baseline (if any) following steps 1 and 2 above.

Minimum Energy Charge (Applicable to Energy Charge 2.):

The Minimum Energy Charge is the minimum energy rate of 2.81 cents per kW.h multiplied by the total energy consumption in the Billing Period. The Minimum Energy Charge applies only when the average energy rate in a Billing Period (the Energy Charge 2. divided by total energy consumption in the Billing Period) is less than the minimum energy rate.

4. Migration Rule

4.1 Customers taking service at Medium General Service rates (rate schedules 1500, 1501, 1510 or 1511) will be moved to service at Large General Service rates (rate schedules 1600, 1601, 1610 or 1611) if the Customers' Billing Demand in any 6 of the most recent 12 Billing Periods was equal to or greater than 150 kW, or if the Customers' energy consumption was in excess of 550,000 kW.h in any 12 consecutive month period.

4.2 Customers taking service at Large General Service rates (rate schedules 1600, 1601, 1610 or 1611) will be moved to service at Medium General Service rates (rate schedules 1500, 1501, 1510 or 1511) if the Customers' Billing Demand in each of the 12 most recent consecutive Billing Periods was less than 100 kW and energy consumption in the 12 month period which corresponds to those Billing Periods was less than 400,000 kW.h.

5. Application for Prospective Growth

The rates prescribed in this schedule, in regard to a specific customer, are subject to Electric Tariff Supplement No. 82 – Rules for LGS Prospective Growth Applications.

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.

Interim Increase: Effective April 1, 2012 the Rates and Minimum Charge under these schedules include an increase of 3.91% before rounding, approved by BCUC Order No. G-17-12.

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 and Rate Zone IB.

Rate: During the Irrigation Season

4.41 ¢ per kW.h.

During the Non-Irrigation Season

First 150 kW.h @ 4.41 ¢ per kW.h
All additional kW.h @ 34.95 ¢ per kW.h.

Minimum Charge: During the Irrigation Season

$4.41 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, $35.25 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:

1. 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: 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.

Interim Increase: Effective April 1, 2012 the Rates and Minimum Charge under these schedules include an increase of 3.91% before rounding, approved by BCUC Order No. G-17-12.

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	$14.12
150 watt H.P. Sodium Vapour Unit	$16.83
200 watt H.P. Sodium Vapour Unit	$19.44
*175 watt Mercury Vapour Unit	$15.51
*250 watt Mercury Vapour Unit	$17.87
*400 watt Mercury Vapour Unit	$23.05

Wattages are lamp watts.

* Note Special Condition No. 2.

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.

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. Design

   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: 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.

Interim Increase: Effective April 1, 2012 the Rates and Minimum Charge under these schedules include an increase of 3.91% before rounding, approved by BCUC Order No. G-17-12.

SCHEDULE 1702 – PUBLIC AREA ORNAMENTAL STREET LIGHTING

Availability: For lighting of public highways, streets and lanes and municipal pathways and for public area seasonal lighting displays, in those cases where the Customer owns, installs and maintains the standards, fixtures, conductors and controls.

Applicable in: All Rate Zones.

Rate: For each unmetered fixture: 2.71¢ per watt per month.

For each metered fixture: 8.15¢ per kWh

For fixtures without dimming controls the number of watts per fixture include the wattage of the lamp and, where applicable, the ballast.

For fixtures with dimming controls the number of watts per fixture includes the wattage of the lamp and, where applicable, the wattage of the ballast multiplied by the ratio of Billable Wattage After Dimming to Billable Wattage Before Dimming.

The Billable Wattage is the sum of all wattage, on all fixtures, used by a customer. It depends both on the number of fixtures in use and the actual output wattages (bulb plus ballast) of each light. For a customer that has implemented dimming technology, the Billable Wattage will reflect the lower output wattages that result from dimming.

Special Terms and Conditions:

1. Service Connection

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.

Receptacle loads will be permitted for service under this rate schedule provided that such receptacles are used predominantly for seasonal lighting displays, meaning that no more than 10% of the usage may be for other purposes.

6. 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.

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.

Interim Increase: Effective April 1, 2012 the Rates and Minimum Charge under these schedules include an increase of 3.91% before rounding, approved by BCUC Order No. G-17-12

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 2.71 ¢ per watt per month,

plus

(b) A contact charge of 81.91 ¢ 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.

For fixtures without dimming controls the Billable Wattage is equal to the number of watts per fixture including the wattage of the lamp and, where applicable, the ballast.

For fixtures with dimming controls the number of watts per fixture includes the wattage of the lamp and, where applicable, the wattage of the ballast multiplied by the ratio of Billable Wattage After Dimming to Billable Wattage Before Dimming.

The Billable Wattage is the sum of all wattage, on all fixtures, used by a customer. It depends both on the number of fixtures in use and the actual output wattages (bulb plus ballast) of each light. For a customer that has implemented dimming technology, the Billable Wattage will reflect the lower output wattages that result from dimming.

Special Terms and Conditions:

1. Extension Policy

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.

4. Fixtures with Automated Dimming Controls

The following special terms and conditions apply to lighting fixtures fitted with dimming controls:

a. For purposes of this part "dimming controls" means control units or fittings attached to or forming part of a street lighting fixture capable of being programmed or remotely operated so as to reduce the lumens output of the lamps during specified hours each day while the lamps are in operation. The reductions may vary according to the hours of the day, the days of the week, and the seasons of the year.

b. A Customer wishing to have fixtures with dimming controls separately rated under this rate schedule must submit a Dimming Schedule satisfactory to BC Hydro listing each light fixture fitted with dimming controls, the wattage of the fixture (including the lamp and, where applicable, the ballast), the dimming control setting or settings and the hours each day that the dimming control setting or settings will be in operation.

Whenever the Customer wishes to make changes in the lighting fixtures listed in the Dimming Schedule or in the dimming control settings or hours of operation, the Customer shall submit an updated Lighting Fixture Schedule to BC Hydro listing any changes. Changes will be permitted on a semi-annual basis (twice per year).

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.

Interim Increase: Effective April 1, 2012 the Rates and Minimum Charge under these schedules include an increase of 3.91% before rounding, approved by BCUC Order No. G-17-12.

SCHEDULE 1704 – TRAFFIC CONTROL EQUIPMENT

Availability: For traffic signals, traffic signs and traffic warning devices, and other equipment for controlling or directing vehicular or pedestrian traffic on public highways. For cases where the Customer installs, owns and maintains the standards, fixtures, wiring, controls and associated equipment.

Applicable in: All Rate Zones.

Rate: 8.15¢ per kW.h.

Special Terms and Conditions:

1. Service Connections

   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: 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.

Interim Increase: Effective April 1, 2012 the Rates and Minimum Charge under these schedules include an increase of 3.91% before rounding, approved by BCUC Order No. G-17-12.

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 100 watt H.P. Sodium Vapour Unit	$13.23
400 watt Mercury Vapour Unit or replacement 150 watt H.P. Sodium Vapour Unit	$22.81

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 or replacement 100 watt H.P. Sodium Vapour Unit	$14.06
400 watt Mercury Vapour Unit or replacement 150 watt H.P. Sodium Vapour Unit	$23.63

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

175 watt Mercury Vapour Unit or replacement 100 watt H.P. Sodium Vapour Unit	$17.30
400 watt Mercury Vapour Unit or replacement 150 watt H.P. Sodium Vapour Unit	$27.23

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.

2. 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.

5. 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: 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.

Interim Increase: Effective April 1, 2012 the Rates and Minimum Charge under these schedules include an increase of 3.91% before rounding, approved by BCUC Order No. G-17-12.

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: $6.263 per kV.A of Billing Demand per Billing Period.

Plus

Energy Charge:

A. For new Customers and Customers that do not have a CBL by Order of the British Columbia Utilities Commission:

3.671 ¢ 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 for 12 Billing Periods or other period with the approval of the British Columbia Utilities Commission, after which the Customer will be supplied with Electricity at the Rate specified in Part B below.

B. For Customers with a CBL:

3.261 ¢ per kW.h applied to all kW.h up to and including 90% of the Customer's CBL in each Billing Year.

7.360¢ 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 1st in each year, and ending on the last day of the 12th 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:	$6.263 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 BC Hydro's "Customer Baseline Load (CBL) Determination Guidelines". All CBLs 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.

Taxes:

The rates and minimum charge contained herein are exclusive of the Goods and Services tax and Social Services tax.

Note:

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

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.

Interim Increase:

Effective April 1, 2012 the Rates and Minimum Charge under these schedules include an increase of 3.91% before rounding, approved by BCUC Order No. G-17-12.

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

Availability: For Customers who provide notice by February 15th 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 15th of that year. Customers will start service under Schedule 1825 as of the Billing Period that starts closest to April 1st.

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

Rate: Demand Charge: $6.263 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

3.261¢ per kW.h applied to all kW.h up to and including 90% of the Customer's Winter HLH Period CBL.

8.213¢ 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 4th Billing Period thereafter.

Winter LLH Period

3.261¢ per kW.h applied to all kW.h up to and including 90% of the Customer's Winter LLH Period CBL.

7.443¢ 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 4th Billing Period thereafter.

Spring Period

3.261¢ per kW.h applied to all kW.h up to and including 90% of the Customer's Spring Period CBL.

6.629¢ 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 1st each year and ending on the last day of the 2nd Billing Period thereafter.

Remaining Period

3.261¢ per kW.h applied to all kW.h up to and including 90% of the Customer's Remaining Period CBL applicable.

7.269¢ per kW.h applied to all kW.h above 90% of the Customer's Energy CBL applicable in the Billing Period.

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.

Taxes: The rate charges contained herein are exclusive of the Goods and Services tax and Social Services tax.

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 72).

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.

Interim Increase: Effective April 1, 2012 the Rates and Minimum Charge under these schedules include an increase of 3.91% before rounding, approved by BCUC Order No. G-17-12.

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: $6.263 per kV.A of Billing Demand per Billing Period.

Plus

Energy Charge: 3.671¢ 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: $6.263 per kV.A of Billing Demand

Taxes: The rates and minimum charge contained herein are exclusive of the Goods and Services tax and Social Service tax.

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

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.

Interim Increase: Effective April 1, 2012 the Rates and Minimum Charge under these schedules include an increase of 3.91% before rounding, approved by BCUC Order No. G-17-12.

Excess Demand Charge

$6.263 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, except for Statutory Holidays, 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,

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.

Taxes: The rates contained herein are exclusive of the Goods and Services tax and Social Services tax.

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.

Interim Increase: Effective April 1, 2012 the Rates and Minimum Charge under these schedules include an increase of 3.91% before rounding, approved by BCUC Order No. G-17-12.

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 Charge:	$35.30	
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.	
Taxes:	The rates and minimum charge contained herein are exclusive of the Goods and Services tax and the Social Services tax.	
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.	
Interim Increase:	Effective April 1, 2012 the Rates and Minimum Charge under these schedules include an increase of 3.91% before rounding, approved by BCUC Order No. G-17-12.	

Energy Imbalance Price:

Pricing Period	Tier 1 Price (¢ / kW.h)	Tier 2 Price (¢ / kW.h)	
Mar to Apr	3.261	7.269	
May to June	3.261	6.629	
July to Oct	3.261	7.269	
Nov to Feb	3.261	8.213 (HLH)	7.443 (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:

1. 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.

Taxes:	The rates contained herein are exclusive of the Goods and Services tax and the Social Services tax.
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.
Interim Increase:	Effective April 1, 2012 the Rates and Minimum Charge under these schedules include an increase of 3.91% before rounding, approved by BCUC Order No. G-17-12.

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, 3014, 3015 and 3016 and Tariff Supplements No. 7, 8, 39 and 77.

Rate: A charge of 5% of the amounts otherwise payable under the applicable Rate Schedule, but 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, and the Trade Income Deferral Account.

Interim Rate : Effective April 1, 2012 the Rate under this schedule is approved on an interim and refundable basis by BCUC Order No. G-17-12.

SCHEDULE 2600, 2601, 2610, 2611 – LARGE GENERAL SERVICE (150 KW AND OVER) FOR DISTRIBUTION UTILITIES

Availability: For Customers who qualify for General Service and (i) whose Billing Demand (determined under the Special Conditions below) is equal to or greater than 150 kW, or whose energy consumption in any 12 month period is greater than 550,000 kWh; (ii) who re-sell the electricity purchased from BC Hydro under this rate schedule at rates that are designed to and will reduce the electricity consumption of the customers of the Customer; (iii) who are public utilities regulated by the British Columbia Utilities Commission in regard to the re-sale of electricity purchased under this rate schedule; and (iv) who elect service under this rate schedule. Supply is at 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.

Charges: Basic Charge

19.25¢ per day

Demand Charge

First 35 kW of Billing Demand per Billing Period	@ $0.00 per kW
Next 115 kW of Billing Demand per Billing Period	@ $4.69 per kW
All additional kW of Billing Demand per Billing Period	@ $9.00 per kW

Energy Charge

All kWh of energy consumption in the Billing Period @ the rate equal to the sum of:

1. the product of the marginal cost-based energy rate prescribed in the Part 2 Energy Charge/Credit provision of Rate Schedule 1600/1601/1610/1611, and 0.05;

2. the product of 4.53¢ per kWh, and 0.95; and

3. –0.34¢ per kWh.

Metering: A demand meter will normally be installed. Prior to the installation of such a meter, or if such a meter is not installed, the Billing Demand shall be estimated by BC Hydro.

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.

Interim Increase: Effective April 1, 2012 the Rates and Minimum Charge under these schedules include an increase of 3.91% before rounding, approved by BCUC Order No. G-17-12.

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:	$6.263 per kW of Billing Demand per Billing Month
	plus
Energy Charge:	3.671¢ per kW.h of Purchase Energy per Billing Month.

Billing Demand: 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 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.

Taxes: The rates and charges contained herein are exclusive of the Goods and Services tax and the Social Services tax.

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.

Interim Increase: Effective April 1, 2012 the Rates and Minimum Charge under these schedules include an increase of 3.91% before rounding, approved by BCUC Order No. G-17-12.

ATTACHMENT H

Annual Transmission Revenue Requirement for Network Integration Transmission Service

1. The Annual Transmission Revenue Requirement for purposes of the Network Integration Transmission Service shall be $596,000,000.

2. The amount in (1) shall be effective until amended by the Transmission Provider or modified by the Commission.

Effective April 1, 2012, this rate schedule is interim as per BCUC Order No. G-17-12.

Schedule 00

Network Integration Transmission Service

Availability	For wholesale transmission of electricity.
Rate	Monthly Transmission Revenue Requirement: Customers will be charged their load ratio share of one twelfth (1/12th) of the Network Transmission Revenue Requirement per month. The Transmission Revenue Requirement is shown in Attachment H. One-twelfth of the Transmission Revenue Requirement is $49,666,667.
Taxes	The Rate and Charges contained herein are exclusive of applicable taxes.
Note	The terms and conditions under which Network Integration Transmission Service is supplied are contained in BC Hydro's OATT. Capitalized terms appearing in this Schedule, unless otherwise noted, shall have the meaning ascribed to them therein.

Effective April 1, 2012, this rate schedule is interim as per BCUC Order No. G-17-12.

Schedule 01

Point-To-Point Transmission Service

Availability	For transmission of electricity on a firm and non-firm basis from one or more Point(s) of Receipt (POR) to one or more Point(s) of Delivery (POD).
Rate for Long-Term Firm Service	The Reserved Capacity Charge for the Long-Term Firm Service Rate will be up to a maximum price as set out below except where the POD is a point of interconnection between the Transmission System and the transmission system of FortisBC Inc., in which case the rate shall be zero ($0.00). The Maximum Reserved Capacity Charge is $53,501/MW of reserved capacity per year to be invoiced monthly. <u>Reserved Capacity Billing Demand</u> The Reserved Capacity Billing Demand is determined for each POR(s), POD(s) pair. The Reserved Capacity for each pair of POR(s) and POD(s) will be the maximum non-coincident sum of the designated POR(s) and POD(s) included in the pair.

Schedule 01 – Point-To-Point Transmission Service (continued)

Rate for Short-Term Firm and Non-Firm Service	The posted prices for Short-Term Firm and Non-Firm Service will be less than or equal to a maximum price ($/MWh) as set out below, except where the POD is a point of interconnection between the Transmission System and the transmission system of FortisBC Inc., in which case the rate shall be zero ($0.00). Maximum Price for: 1. Monthly delivery: $4,458.42/MW of Reserved Capacity per month. 2. Weekly delivery: $1,028.87/MW of Reserved Capacity per week. 3. Daily delivery: $146.58/MW of Reserved Capacity per day. 4. Hourly delivery: $6.11/MW of Reserved Capacity per hour. Discount Rate: For discounted paths posted on the Transmission Provider's OASIS, the Transmission Customer shall pay each month for Reserved Capacity Billing Demand the greater of the rates set forth below and the rate offered by the Transmission Customer and accepted by the Transmission Provider up to the maximum rate for Short-Term Firm and Non-Firm Service: 1. Hourly delivery: $3/MW of Reserved Capacity per hour in the Heavy Load Hour period (06:00-22:00, Monday - Saturday, excluding NERC holidays) and $1/MW of Reserved Capacity per hour for the Light Load Hour period (remaining hours and days). 2. Daily delivery: sum of the hourly delivery charge in the 24 hour period in the day.
Reserved Capacity for Short-Term Firm and Non-Firm Services	The Reserved Capacity shall be the maximum of the sum of non-coincident POD(s) Capacity Reservations or sum of non-coincident POR(s) Capacity Reservations.

Schedule 01 – Point-To-Point Transmission Service (continued)

Penalty Charge	In addition to the applicable rate for service and associated charges for Ancillary Services, a penalty charge will be applied to all unauthorized usage at a rate of 125 percent of the maximum hourly delivery charge.
Special Conditions	Discounts: The following conditions apply to discounts for transmission service: 1. any offer of a discount made by BC Hydro must be announced to all Eligible Customers solely by posting on the OASIS, 2 any customer-initiated requests for discounts (including requests for use by one's wholesale merchant or an affiliate's use) must occur solely by posting on the OASIS, 3. once a discount is negotiated, details must be immediately posted on the OASIS, and 4. for any discount agreed upon for service on a path, from POR(s) POD(s), BC Hydro must offer the same discounted transmission service rate for the same time period to all Eligible Customers on all unconstrained transmission paths that go to the same POD(s) on the Transmission System.
Taxes	The Rate and Charges contained herein are exclusive of applicable taxes.
Resales	The rates and rules governing charges and discounts stated above shall not apply to resales of transmission service, compensation for which shall be governed by section 23.1 of the Tariff
Note	The terms and conditions under which Transmission Service is supplied are contained in BC hydro's Open Access Transmission Tariff. Capitalized terms appearing in this Rate Schedule, unless otherwise noted, shall have the meaning ascribed to them therein.

Effective April 1, 2012, this rate schedule is interim as per BCUC Order No. G-17-12.

Schedule 03

Scheduling, System Control, and Dispatch Service

Preamble	This service is required to schedule the movement of power through, out of, within, or into a Control Area. This service can be provided only by the operator of the Control Area in which the transmission facilities used for transmission service are located. Scheduling, System Control and Dispatch Service is to be provided directly by BC Hydro. The Transmission Customer must purchase this service from BC Hydro. The charges for Scheduling, System Control and Dispatch Service are to be based on the rates set forth below.
Availability	In support of Network Integration Transmission Service, Long and Short-Term Firm Point-to-Point Transmission Service, and Non-Firm Point-to-Point Transmission Service.
Rate	$0.139 per MW of Reserved Capacity per hour.
Taxes	The Rate and Charges contained herein are exclusive of applicable taxes.
Note	A description of the methodology for discounting Scheduling, System Control and Dispatch Services provided under this Schedule is contained in Section 3 of the BC Hydro OATT.

Effective April 1, 2012, this rate schedule is interim as per BCUC Order No. G-17-12.

Amended F12-F14 RRA
Compliance with BCUC Order No. G-17-12

BC hydro

Appendix 1

Tariff Pages

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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 15~~4~~.05~~48~~¢ per day

Energy Charge

A. For customers billed monthly
   Step 1 – First 675 kW.h per month @ 6.~~6~~80~~7~~ cents/kW.h
   Step 2 – Additional kW.h per month @ 10~~9~~.19~~62~~ cents/kW.h

B. For customers billed bi-monthly
   Step 1 – First 1350 kW.h per two months @ 6.80~~67~~ cents/kW.h
   Step 2 – Additional kW.h per two months @ 10~~9~~.19~~62~~ cents/kW.h

   Note: For billing purposes. Step 1 is pro-rated on a daily basis.

2. Schedule 1121 - Multiple Residential Service

Basic Charge 15.05~~4.48~~¢ per Single-Family Dwelling per day

Energy Charge – Per Single Family Dwelling

A. For Customers billed monthly
   Step 1 – First 675 kW.h. per month @ 6.80~~67~~ cents/kW.h
   Step 2 – Additional KW.h per month @ 10~~9~~.~~62~~19 cents/kW.h

B. For Customers billed bi-monthly
   Step 1 – First 1350 kW.h per two months @ 6.80~~67~~ cents/kW.h
   Step 2 – Additional kW.h per two months @ 10~~9~~.~~62~~19 cents/kW.h

   Note: For billing purposes, Step 1 is pro-rated on a daily basis

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 the Premises contain more than two Single-Family Dwellings.

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: 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.

Interim Increase: Effective ~~May~~April 1, 201~~1~~2 the Rates and Minimum Charge under these schedules include an increase of ~~8~~3.91% before rounding, approved by BCUC Order No. G-17~~72~~-12~~11~~.

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:

4.45~~28~~¢ per kW.h

Exception: 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:

25~~4~~.91~~4~~¢ per kW.h

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

5. 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.

6. 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.

7. 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.

8. 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

9. 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: 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.

Interim Increase: Effective April~~May~~ 1, 2012~~1~~ the Rates and Minimum Charge under these schedules include an increase of ~~8~~3.91% before rounding, approved by BCUC Order No. G-17~~72~~-12~~11~~.

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 16~~5~~.40~~5~~ ¢ per day
   First 1500 kW.h per month @ 8~~7~~.15~~84~~ ¢ per kW.h
   All additional kW.h per month @ 14~~3~~.00~~47~~ ¢ per kW.h.

2. Schedule 1127 - Multiple Residential Service

   Basic Charge 16~~5~~.40~~5~~ ¢ per single-family dwelling per day
   First 1500 kW.h per single-family dwelling per month @ 8~~7~~.15~~84~~ ¢ per kW.h
   All additional kW.h per month @ 14~~3~~.00~~47~~ ¢ per kW.h.

Minimum Charge: Schedule 1107 - The Basic 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 the Premises contain more than two Single-Family Dwellings.

Discount for Ownership of Transformers: 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: 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.

Interim Increase: Effective ~~May~~April 1, 2012~~1~~ the Rates and Minimum Charge under these schedules include an increase of ~~8~~3.91% before rounding, approved by BCUC Order No. G-17~~72~~-12~~11~~.

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 16~~5~~.40~~5~~ ¢ per day All kW.h @ 8~~7~~.15~~84~~ ¢ per kW.h.
Minimum Charge:	The Basic Charge.
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:	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.
Interim Increase:	Effective ~~May~~April 1, 2012~~1~~ the Rates and Minimum Charge under these schedules include an increase of 3.91~~8~~% before rounding, approved by BCUC Order No. G-17~~72~~-12~~11~~.

SCHEDULE 1151, 1161 - EXEMPT RESIDENTIAL SERVICE

Availability: For residential service and uses exempted from rate schedules 1101 and 1121, including:

1. Use upon farms as referenced in the definition of Residential Service.
2. Residential service Customers in Rate Zone IB.
3. Customers enrolled in BC Hydro's residential inclining block (RIB) rate control group. A Customer who ceases to be enrolled in the RIB rate control group shall revert to service under Rate Schedule 1101.

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 and Rate Zone IB

Rate:

1. Schedule 1151 – Residential Service

   Basic Charge 16.05~~5.45~~¢ per day
   All kW.h @ 8.15~~7.84~~¢ per kW.h

2. Schedule 1161 – Multiple Residential Service

   Basic Charge 16.05~~5.45~~¢ per day per Single-Family Dwelling per day
   All kW.h @ 8.15~~7.84~~¢ per kW.h

Minimum Charge: Schedule 1151 - The Basic Charge.

Schedule 1161 – The Basic Charge per Single-Family Dwelling

Special Conditions: 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.

BC Hydro will provide a Bill Guarantee to customers in the RIB rate control group as follows:

BC Hydro will periodically credit to the RIB rate control group subscriber's account any positive difference between the total dollar amount billed to the subscriber under the RS 1151 tariff and the total dollar amount derived by rendering bills on the same metered usage using the rates in RS 1101 for the applicable period, for the duration of the RIB rate control group.

Discount for Ownership of Transformers: A discount of 25¢ per month per kW of maximum demand shall be applied to Schedule 1161 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 1161 Customers eligible for the Discount for Ownership of Transformers shall be Schedule 1162.

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.

Interim Increase: Effective ~~May~~April 1, 201~~2~~1 the Rates and Minimum Charge under these schedules include an increase of ~~8~~3.91% before rounding, approved by BCUC Order No. G-17~~72~~-12~~11~~.

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

Availability: For Customers who qualify for General Service and who are enrolled in BC Hydro's Medium General Service (MGS) or Large General Service (LGS) control groups and customers in Rate Zone 1B. A Customer who ceases to be enrolled in a MGS or the LGS control group shall revert to service under the applicable MGS rate schedule or LGS rate schedule. 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 and Rate Zone IB.

Rate: Basic Charge

1~~8~~9.2~~53~~ ¢ per day

Demand Charge

First 35 kW of Billing Demand per Billing Period	@ $0.00 per kW
Next 115 kW of Billing Demand per Billing Period	@ $4.69~~51~~ per kW
All additional kW of Billing Demand per Billing Period	@ $~~9~~8.00~~66~~ per kW

Energy Charge

First 14800 kW.h of energy consumption in the Billing Period @ ~~9~~8.15~~81~~ ¢ per kW.h
All additional kW.h of energy consumption in the Billing Period @ 4.40~~24~~ ¢ per kW.h

Discounts

1. A discount of 1½% shall be applied to the above charges if a Customer's supply of electricity is metered at a primary potential.

2. A discount of 25¢ per billing period per kW of billing demand shall be applied to the above charges 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 Billing Demand shall be the highest kW demand in the Billing Period.

Billing Period: "Billing Period" means a period of 27 to 33 consecutive days between regular meter readings, provided that in cases where meter readings are not available or are delayed for any reason BC Hydro may vary the number of days in the Billing Period.

Monthly Minimum Charge: 50% of the highest maximum demand charge billed in any billing period wholly within an on-peak period during the immediately preceding eleven billing periods. 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:

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. Migration rule (between Exempt General Service and Small General Service): Customers taking service at Exempt General Service rates (Rate Schedules 1200, 1201, 1210 or 1211) will be moved to service at Small General Service rates (Rate Schedules 1300, 1301, 1310 or 1311) if the Customers' Billing Demand in each of the 12 most recent consecutive Billing Periods was less than 35 kW.

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.

Interim Increase: Effective ~~May~~April 1, 2012~~1~~ the Rates and Minimum Charge under these schedules include an increase of ~~8~~3.91% before rounding, approved by BCUC Order No. G-17~~72~~-12~~11~~.

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 @ 4.45~~28~~ ¢ per kW.h
All additional kW.h per month @ 2.92~~81~~ ¢ per kW.h

Exception: 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:

25.91~~4.94~~ ¢ 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.

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 ¢ 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: 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.

Interim Increase: Effective ~~May~~April 1, 201~~2~~1 the Rates and Minimum Charge under these schedules include an increase of ~~8~~3.91% before rounding, approved by BCUC Order No. G-17~~72~~-12~~11~~.

SCHEDULE 1234 – SMALL 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 19.25~~18.53~~ ¢ per day		
	First 7000	kW.h per month @	9.15~~8.81~~ ¢ per kW.h
	All additional	kW.h per month @	15.25~~14.68~~ ¢ per kW.h
Minimum Charge:	The Basic Charge.		
Special Conditions for Unmetered Service:	Same as in Rate Schedules 1300, 1301, 1310 and 1311.		
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.		
Interim Increase:	Effective April~~May~~ 1, 2012~~1~~ the Rates and Minimum Charge under these schedules include an increase of 3.91~~8~~% before rounding, approved by BCUC Order No. G-17~~72~~-12~~11~~.		

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:	$35.30~~3.97~~	

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: 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.

Interim Increase: Effective April~~May~~ 1, 2012~~1~~ the Rates and Minimum Charge under these schedules include an increase of 3.91~~8~~% before rounding, approved by BCUC Order No. G-17~~72~~-12~~11~~.

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 19.25~~8.53~~ ¢ per day

First 200 kW.h per kW of demand per month @ 9.15~~8.81~~ ¢ per kW.h

All additional kW.h per month @ 15.25~~14.68~~ ¢ 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 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 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:

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.

Interim Increase:

Effective April~~May~~ 1, 2012~~1~~ the Rates and Minimum Charge under these schedules include an increase of ~~8~~3.91% before rounding, approved by BCUC Order No. G-177~~2~~-121~~1~~.

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: 0.142~~37~~ ¢ 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: 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.

Interim Increase: Effective April~~May~~ 1, 2012~~1~~ the Rates and Minimum Charge under these schedules include an increase of 3.91~~8~~% before rounding, approved by BCUC Order No. G-17~~72~~-12~~11~~.

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: $2.284~~198~~ 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

5.973~~748~~ ¢ per kW.h per month.

Monthly Minimum Charge: The greater of:

(i) $4.46~~29~~ per kV.A of maximum demand, or
(ii) $8,925~~589~~.28~~43~~

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: 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.

Interim Increase: Effective April~~May~~ 1, 2012~~1~~ the Rates and Minimum Charge under these schedules include an increase of 3.91~~8~~% before rounding, approved by BCUC Order No. G-17~~72~~-12~~11~~.

SCHEDULE 1300, 1301, 1310, 1311 SMALL GENERAL SERVICE (UNDER 35 KW)

Availability: For Customers who qualify for General Service and whose billing demand, metered or estimated by BC Hydro, as applicable, is less than 35 kW.

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

Applicable in: Rate Zone I and Rate Zone IB.

Rate: Basic Charge

19.258.53 ¢ per day

Energy Charge

All kW.h at 9.158.81 ¢ per kW.h

Discounts

1. A discount of 1½% shall be applied to the above charges if a Customer's supply of electricity is metered at a primary potential.

2. A discount of 25¢ per month per kW of maximum demand shall be applied if a Customer supplies transformation from a primary potential to a secondary potential. BC Hydro will install a demand meter in addition to a kilowatt hour meter.

3. If a Customer is entitled to both of the above discounts, the discount for metering at a primary potential shall be applied first.

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.

Interim Increase: Effective AprilMay 1, 20121 the Rates and Minimum Charge under these schedules include an increase of 3.918% before rounding, approved by BCUC Order No. G-1772-1211.

SCHEDULE 1500, 1501, 1510, 1511 – MEDIUM GENERAL SERVICE (35 KW OR GREATER AND LESS THAN 150 KW)

Availability: For Customers who qualify for General Service and whose Billing Demand (determined under the Special Conditions below) is equal to or greater than 35 kW but less than 150 kW, or whose energy consumption in any 12 consecutive period is equal to or less than 550,000 kW.h. 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.

Charges: Basic Charge

19.25~~8.53~~ ¢ per day

Demand Charge

First 35 kW of Billing Demand per Billing Period	@ $0.00 per kW
Next 115 kW of Billing Demand per Billing Period	@ $4.69~~51~~ per kW
All additional kW of Billing Demand per Billing Period	@ $~~9~~8.00~~66~~ per kW

Energy Charge

1. Energy Charge – Customers who have not yet been transferred to the rate under Part 2

   Energy Charges will be determined under this part for Customers who have not yet been transferred to service at the rate under Part 2.

   First 14,800 kW.h of energy consumption in the Billing Period @ Tier 1 rate of 8.97~~72~~ ¢ per kW.h.

   All additional kW.h of energy consumption in the Billing Period @ Tier 2 rate of 4.~~44~~90 ¢ per kW.h.

2. Energy Charge – Customers who have been transferred to the rate under this part (see Special Condition 5 below).

Except for Customers being billed under "2.1 Energy Charge – Customers without HBLs", BC Hydro will determine monthly Historical Baselines ("HBLs") and related Billing Baselines ("BBLs") for use in calculating the Energy Charge payable by a Customer in a Billing Period.

2.1 Energy Charge - Customers without HBLs
Energy Charges will be determined under this part for Customers who do not have HBLs determined by BC Hydro under the Special Conditions below. The Energy Charges under this part will apply until HBLs can be determined by BC Hydro under the Special Conditions below.

Energy Charge:

15% of energy consumption in the Billing Period @ 9.42~~6.68~~ ¢ per kW.h which is the marginal cost based energy rate.

For 85% of energy consumption in the Billing Period the following rates are applied:

If 85% of energy consumption is greater than 14,800 kW.h:

[85% of energy consumption minus 14,800] kW.h of energy consumption in the Billing Period @ Tier 2 rate of 4.90~~44~~ ¢ per kW.h.

14,800 kW.h of energy consumption in the Billing Period @ Tier 1 rate of 8.97~~72~~ ¢ per kW.h.

If 85% of energy consumption is less than or equal to 14,800 kW.h:

85% of energy consumption in the Billing Period @ Tier 1 rate of 8.97~~72~~ ¢ per kW.h.

2.2 Energy Charge - Customers with HBLs
Energy Charges will be determined under this part for:

1. Customers who have been transferred to service at the rate under this part 2. for whom HBLs were determined by BC Hydro in accordance with the Special Conditions below, and
2. Customers who have been transferred to service at the rate under this part 2. for whom HBLs were determined by BC Hydro in accordance with the Special Conditions below after completion of 12 consecutive months of service under this rate schedule.

The Energy Charge is the Part 1 Energy Charge plus any additional charges or minus any credits determined under the Part 2 Energy Charge/Credit below.

Part 1 Energy Charge
The following rates are applied to the Customer's BBL for the Billing Period:

If the BBL is greater than 14,800 kW.h:

[BBL minus 14,800] kW.h of the BBL for the Billing period @ Tier 2 rate of 4.90~~44~~ ¢ per kW.h.

Last 14,800 kW.h of the BBL for the Billing period @ Tier 1 rate of 8.97~~72~~ ¢ per kW.h.

If the BBL is less than or equal to 14,800 kW.h:

BBL for the Billing Period @ Tier 1 rate of 8.97~~72~~ ¢ per kW.h

Part 2 Energy Charge/Credit
The determination of the Part 2 Energy Charge/Credit depends on whether energy consumption in the Billing Period is greater or less than the Customer's BBL for the Billing Period. If energy consumption in the billing period is equal to the BBL there is no Part 2 Energy Charge/Credit.

Consumption greater than BBL
For purposes of the following calculations, the difference between the BBL and the energy consumption for the Billing Period is defined as the "Consumption Greater Than Baseline".

Charge is based on the following three steps:

1. The marginal cost based energy rate of ~~6.68~~9.42 ¢ per kW.h is applied to the Consumption Greater Than Baseline subject to a maximum of 20% of the BBL.
2. Tier 1 rate of 8.97~~72~~ ¢ per kW.h is applied to the lesser of:
   (a) the remaining portion of the Consumption Greater Than Baseline (if any) following step 1 above, and
   (b) that portion of the Consumption Greater than Baseline which is equal to 14,800 kW.h minus 120% of the BBL (but if 14,800 kW.h minus 120% of the BBL would produce a negative number, the result shall be deemed to be zero).
3. Tier 2 rate of 4.90~~44~~ ¢ per kW.h is applied to the remaining portion of the Consumption Greater Than Baseline (if any) following steps 1 and 2 above.

Consumption less than BBL

For purposes of the following calculations, the difference between the BBL and the energy consumption for the Billing Period is defined as the "Consumption Less Than Baseline".

Credit is based on the following three steps:

1. The marginal cost based energy rate of ~~6.68~~9.42 ¢ per kW.h is applied to the Consumption Less Than Baseline subject to a maximum of 20% of the BBL.
2. Tier 1 rate of 8.97~~72~~ ¢ per kW.h is applied to the lesser of:
   (a) the remaining portion of the Consumption Less Than Baseline (if any) following step 1 above, and
   (b) that portion of the Consumption Less Than Baseline which is equal to 14,800 kW.h minus 20% of the BBL (but if 14,800 kW.h minus 20% of the BBL would produce a negative number, the result shall be deemed to be zero).
3. Tier 2 rate of 4.90~~44~~ ¢ per kW.h is applied to the remaining portion of the Consumption Less Than Baseline (if any) following steps 1 and 2 above.

Minimum Energy Charge (Applicable to Energy Charge 2.2)

The Minimum Energy Charge is the minimum energy rate of 2.81~~70~~ cents per kW.h multiplied by the total energy consumption in the Billing Period. The Minimum Energy Charge applies only when the average energy rate in a Billing Period (the Energy Charge 2.2 divided by total energy consumption in the Billing Period) is less than the minimum energy rate.

Discounts

1. A discount of 1½% shall be applied to the above charges if a Customer's supply of electricity is metered at a primary potential.

2. A discount of 25¢ per billing period per kW of billing demand shall be applied to the above charges 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 1500 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.

5. Transfer to the rate under Part 2

Energy Charges under Part 2. will be applied progressively to groups of Customers according to their kW Billing Demand, as follows:

a. Commencing on April 1, 2012, Customers whose Billing Demand is equal to or greater than 85 kW and less than 150 kW at least once in the twelve month period ending September 30 in the previous year.
b. Commencing on April 1, 2013, Customers whose Billing Demand is equal to or greater than 55 kW and less than 150 kW at least once in the twelve month period ending September 30 in the previous year.
c. Commencing on April 1, 2014, all remaining Medium General Service Customers.

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.

Interim Increase: Effective ~~May~~April 1, 201~~2~~1 the Rates and Minimum Charge under these schedules include an increase of ~~8~~3.91% before rounding, approved by BCUC Order No. G-17~~72~~-12~~11~~.

SCHEDULE 1600, 1601, 1610, 1611 – LARGE GENERAL SERVICE (150 KW AND OVER)

Availability: For Customers who qualify for General Service and whose Billing Demand (determined under the Special Conditions below) is equal to or greater than 150 kW, or whose energy consumption in any 12 month period is greater than 550,000 kW.h. 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.

Charges: Basic Charge

19.25~~8.53~~ ¢ per day

Demand Charge

First 35 kW of Billing Demand per Billing Period	@ $0.00 per kW
Next 115 kW of Billing Demand per Billing Period	@ $4.69~~51~~ per kW
All additional kW of Billing Demand per Billing Period	@ $9.00~~8.66~~ per kW

Energy Charge

Except for Customers being billed under "1. Energy Charge – Customers without HBLs", BC Hydro will determine monthly Historical Baselines ("HBLs") and related Billing Baselines ("BBLs") for use in calculating the Energy Charge payable by a Customer in a Billing Period.

1. Energy Charge – Customers without HBLs

Energy Charges will be determined under this part for Customers for whom no HBLs were determined by BC Hydro under the Special Conditions below at the time they commenced taking service under this rate schedule. The Energy Charges under this part will apply until they have taken service for a period of 12 consecutive months.

Energy Charge:

For the first 85% of energy consumption in the Billing Period the following rates are applied:

First 14,800 kW.h of energy consumption in the Billing Period @ Tier 1 rate of ~~8.85~~9.37 ¢ per kW.h.

All additional kW.h of energy consumption in the Billing period @ Tier 2 rate of 4.51~~26~~ ¢ per kW.h.

Remaining 15% of energy consumption in the Billing Period @ ~~6.68~~9.42 ¢ per kW.h which is the marginal cost based energy rate.

2. Energy Charge – Customers with HBLs

Energy Charges will be determined under this part for:

1. Customers for whom HBLs were determined by BC Hydro in accordance with the Special Conditions below at the time they commenced taking service under this rate schedule, and
2. Customers for whom HBLs were determined by BC Hydro in accordance with the Special Conditions below after completion of 12 consecutive months of service under this rate schedule.

The Energy Charge is the Part 1 Energy Charge plus any additional charges or minus any credits determined under the Part 2 Energy Charge/Credit below.

Part 1 Energy Charge

The following rates are applied to the Customer's BBL for the Billing Period:

First 14,800 kW.h of the BBL for the Billing Period @ the Tier 1 rate of 9.37~~8.85~~ ¢ per kW.h.

Additional kW.h of BBL for the Billing Period @ the Tier 2 rate of 4.51~~26~~ ¢ per kW.h.

Part 2 Energy Charge/Credit

The determination of the Part 2 Energy Charge/Credit depends on whether energy consumption in the Billing Period is greater or less than the Customer's BBL for the Billing Period.

Consumption greater than BBL

For purposes of the following calculations, the difference between the BBL and the energy consumption for the Billing Period is defined as the "Consumption Greater Than Baseline".

Charge is based on the following three steps:

1. The marginal cost based energy rate of ~~6.68~~9.42 ¢ per kW.h is applied to Consumption Greater Than Baseline subject to a maximum of 20% of the BBL.

2. Tier 1 rate of 9.37~~8.85~~ ¢ per kW.h is applied to the lesser of:

   (a) the remaining portion of the Consumption Greater Than Baseline (if any) following step 1 above, and
   (b) that portion of the Consumption Greater Than Baseline which is equal to 14,800 kW.h minus 120% of the BBL (but if 14,800 kW.h minus 120% of the BBL would produce a negative number, the result shall be deemed to be zero).

3. Tier 2 rate of 4.51~~26~~ ¢ per kW.h is applied to the remaining portion of the Consumption Greater Than Baseline (if any) following steps 1 and 2 above.

Consumption less than BBL

For purposes of the following calculations, the difference between the BBL and the energy consumption for the Billing Period is defined as the "Consumption Less Than Baseline".

Credit is based on the following three steps:

1. The marginal cost based energy rate of ~~6.68~~9.42 ¢ per kW.h is applied to the Consumption Less Than Baseline subject to a maximum of 20% of the BBL.

2. Tier 2 rate of 4.51~~26~~ ¢ per kW.h is applied to the lesser of:
   (a) the remaining portion of the Consumption Less Than Baseline (if any) following step 1 above, and
   (b) that portion of the Consumption Less Than Baseline which is equal to 80% of the BBL minus 14,800 kW.h (but if 80% of the BBL minus 14,800 kW.h would produce a negative number, the result shall be deemed to be zero).

3. Tier 1 rate of 9.37~~8.85~~ ¢ per kW.h is applied to the remaining portion of the Consumption Less Than Baseline (if any) following steps 1 and 2 above.

Minimum Energy Charge (Applicable to Energy Charge 2.):

The Minimum Energy Charge is the minimum energy rate of 2.81~~70~~ cents per kW.h multiplied by the total energy consumption in the Billing Period. The Minimum Energy Charge applies only when the average energy rate in a Billing Period (the Energy Charge 2. divided by total energy consumption in

the Billing Period) is less than the minimum energy rate.

4. Migration Rule

4.1 Customers taking service at Medium General Service rates (rate schedules 1500, 1501, 1510 or 1511) will be moved to service at Large General Service rates (rate schedules 1600, 1601, 1610 or 1611) if the Customers' Billing Demand in any 6 of the most recent 12 Billing Periods was equal to or greater than 150 kW, or if the Customers' energy consumption was in excess of 550,000 kW.h in any 12 consecutive month period.

4.2 Customers taking service at Large General Service rates (rate schedules 1600, 1601, 1610 or 1611) will be moved to service at Medium General Service rates (rate schedules 1500, 1501, 1510 or 1511) if the Customers' Billing Demand in each of the 12 most recent consecutive Billing Periods was less than 100 kW and energy consumption in the 12 month period which corresponds to those Billing Periods was less than 400,000 kW.h.

5. Application for Prospective Growth

The rates prescribed in this schedule, in regard to a specific customer, are subject to Electric Tariff Supplement No. 82 – Rules for LGS Prospective Growth Applications.

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.

Interim Increase: Effective ~~May~~April 1, 201~~2~~1 the Rates and Minimum Charge under these schedules include an increase of ~~8~~3.91% before rounding, approved by BCUC Order No. G-~~72~~17-1~~2~~1.

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 and Rate Zone IB.

Rate: During the Irrigation Season

4.~~2~~41 ¢ per kW.h.

During the Non-Irrigation Season

First 150 kW.h	@ 4.~~2~~41 ¢ per kW.h
All additional kW.h	@ 3~~4~~43.~~64~~95 ¢ per kW.h.

Minimum Charge: During the Irrigation Season

$4.~~2~~41 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, $3~~5~~3.~~9~~25 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:

1. 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: 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.

Interim Increase: Effective ~~May~~April 1, 2012~~1~~ the Rates and Minimum Charge under these schedules include an increase of ~~8~~3.91% before rounding, approved by BCUC Order No. G-17~~72~~-12~~11~~.

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	$14.123~~.59~~
150 watt H.P. Sodium Vapour Unit	$16.8320~~~~
200 watt H.P. Sodium Vapour Unit	$198~~.44~~71~~~~
*175 watt Mercury Vapour Unit	$154~~.51~~93~~~~
*250 watt Mercury Vapour Unit	$17.8720~~~~
*400 watt Mercury Vapour Unit	$232~~.05~~18~~~~

Wattages are lamp watts.

* Note Special Condition No. 2.

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.

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. Design

   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: 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.

Interim Increase: Effective ~~May~~April 1, 2012~~1~~ the Rates and Minimum Charge under these schedules include an increase of ~~8~~3.91% before rounding, approved by BCUC Order No. G-~~72~~17-~~11~~12.

SCHEDULE 1702 – PUBLIC AREA ORNAMENTAL STREET LIGHTING

Availability: For lighting of public highways, streets and lanes and municipal pathways and for public area seasonal lighting displays, in those cases where the Customer owns, installs and maintains the standards, fixtures, conductors and controls.

Applicable in: All Rate Zones.

Rate: For each unmetered fixture: 2.~~6~~71¢ per watt per month.

For each metered fixture: ~~8~~7.15~~84~~¢ per kWh

For fixtures without dimming controls the number of watts per fixture include the wattage of the lamp and, where applicable, the ballast.

For fixtures with dimming controls the number of watts per fixture includes the wattage of the lamp and, where applicable, the wattage of the ballast multiplied by the ratio of Billable Wattage After Dimming to Billable Wattage Before Dimming.

The Billable Wattage is the sum of all wattage, on all fixtures, used by a customer. It depends both on the number of fixtures in use and the actual output wattages (bulb plus ballast) of each light. For a customer that has implemented dimming technology, the Billable Wattage will reflect the lower output wattages that result from dimming.

Special Terms and Conditions:

1. Service Connection

   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.

   Receptacle loads will be permitted for service under this rate schedule provided that such receptacles are used predominantly for seasonal lighting displays, meaning that no more than 10% of the usage may be for other purposes.

6. 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.

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.

Interim Increase: Effective ~~May~~April 1, 2012~~1~~ the Rates and Minimum Charge under these schedules include an increase of ~~8~~3.91% before rounding, approved by BCUC Order No. G-17~~72~~-12~~11~~

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 2.~~6~~71 ¢ per watt per month,

plus

(b) A contact charge of ~~78~~81.~~83~~91 ¢ 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.

For fixtures without dimming controls the Billable Wattage is equal to the number of watts per fixture including the wattage of the lamp and, where applicable, the ballast.

For fixtures with dimming controls the number of watts per fixture includes the wattage of the lamp and, where applicable, the wattage of the ballast multiplied by the ratio of Billable Wattage After Dimming to Billable Wattage Before Dimming.

The Billable Wattage is the sum of all wattage, on all fixtures, used by a customer. It depends both on the number of fixtures in use and the actual output wattages (bulb plus ballast) of each light. For a customer that has implemented dimming technology, the Billable Wattage will reflect the lower output wattages that result from dimming.

Special Terms and Conditions:

1. Extension Policy

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.

4. Fixtures with Automated Dimming Controls

The following special terms and conditions apply to lighting fixtures fitted with dimming controls:

a. For purposes of this part "dimming controls" means control units or fittings attached to or forming part of a street lighting fixture capable of being programmed or remotely operated so as to reduce the lumens output of the lamps during specified hours each day while the lamps are in operation. The reductions may vary according to the hours of the day, the days of the week, and the seasons of the year.

b. A Customer wishing to have fixtures with dimming controls separately rated under this rate schedule must submit a Dimming Schedule satisfactory to BC Hydro listing each light fixture fitted with dimming controls, the wattage of the fixture (including the lamp and, where applicable, the ballast), the dimming control setting or settings and the hours each day that the dimming control setting or settings will be in operation.

Whenever the Customer wishes to make changes in the lighting fixtures listed in the Dimming Schedule or in the dimming control settings or hours of operation, the Customer shall submit an updated Lighting Fixture Schedule to BC Hydro listing any changes. Changes will be permitted on a semi-annual basis (twice per year).

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.

Interim Increase: Effective ~~May~~April 1, 2012~~1~~ the Rates and Minimum Charge under these schedules include an increase of ~~8~~3.91% before rounding, approved by BCUC Order No. G-~~72~~17-12~~1~~.

SCHEDULE 1704 – TRAFFIC CONTROL EQUIPMENT

Availability: For traffic signals, traffic signs and traffic warning devices, and other equipment for controlling or directing vehicular or pedestrian traffic on public highways. For cases where the Customer installs, owns and maintains the standards, fixtures, wiring, controls and associated equipment.

Applicable in: All Rate Zones.

Rate: ~~7.84~~8.15¢ per kW.h.

Special Terms and Conditions:

1. Service Connections

   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: 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.

Interim Increase: Effective ~~May~~April 1, 201~~2~~1 the Rates and Minimum Charge under these schedules include an increase of ~~8~~3.91% before rounding, approved by BCUC Order No. G-~~72~~17-12~~11~~.

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 100 watt H.P. Sodium Vapour Unit	$13~~2~~.2~~7~~3
400 watt Mercury Vapour Unit or replacement 150 watt H.P. Sodium Vapour Unit	$22~~1~~.81~~95~~

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 or replacement 100 watt H.P. Sodium Vapour Unit	$14.06~~3.53~~
400 watt Mercury Vapour Unit or replacement 150 watt H.P. Sodium Vapour Unit	$23.63~~2.74~~

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

175 watt Mercury Vapour Unit or replacement 100 watt H.P. Sodium Vapour Unit	$17.30~~6.65~~
400 watt Mercury Vapour Unit or replacement 150 watt H.P. Sodium Vapour Unit	$27.23~~6.21~~

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.

2. 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.

5. 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: 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.

Interim Increase: Effective ~~May~~April 1, 2012~~1~~ the Rates and Minimum Charge under these schedules include an increase of ~~8~~3.91% before rounding, approved by BCUC Order No. G-17~~72~~-12~~11~~.

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: $6.263~~027~~ per kV.A of Billing Demand per Billing Period.

Plus

Energy Charge:

A. For new Customers and Customers that do not have a CBL by Order of the British Columbia Utilities Commission:

3.671~~533~~ ¢ 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 for 12 Billing Periods or other period with the approval of the British Columbia Utilities Commission, after which the Customer will be supplied with Electricity at the Rate specified in Part B below.

B. For Customers with a CBL:

3.261~~108~~ ¢ per kW.h applied to all kW.h up to and including 90% of the Customer's CBL in each Billing Year.

7.360¢ 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 1st in each year, and ending on the last day of the 12th 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:

$6.263~~027~~ 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 BC Hydro's "Customer Baseline Load (CBL) Determination Guidelines". All CBLs 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.

Taxes:

The rates and minimum charge contained herein are exclusive of the Goods and Services tax and Social Services tax.

Note:

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

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.

Interim Increase:

Effective ~~May~~April 1, 2012~~1~~ the Rates and Minimum Charge under these schedules include an increase of ~~8~~3.91% before rounding, approved by BCUC Order No. G-~~72~~17-~~11~~12.

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

Availability: For Customers who provide notice by February 15th 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 15th of that year. Customers will start service under Schedule 1825 as of the Billing Period that starts closest to April 1st.

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

Rate: Demand Charge: $6.263~~027~~ 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

3.261~~108~~¢ per kW.h applied to all kW.h up to and including 90% of the Customer's Winter HLH Period CBL.

8.213¢ 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 4th Billing Period thereafter.

Winter LLH Period

3.261~~108~~¢ per kW.h applied to all kW.h up to and including 90% of the Customer's Winter LLH Period CBL.

7.443¢ 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 4th Billing Period thereafter.

Spring Period

3.261~~108~~¢ per kW.h applied to all kW.h up to and including 90% of the Customer's Spring Period CBL.

6.629¢ 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 1st each year and ending on the last day of the 2nd Billing Period thereafter.

Remaining Period

3.261~~108~~¢ per kW.h applied to all kW.h up to and including 90% of the Customer's Remaining Period CBL applicable.

7.269¢ per kW.h applied to all kW.h above 90% of the Customer's Energy CBL applicable in the Billing Period.

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.

Taxes: The rate charges contained herein are exclusive of the Goods and Services tax and Social Services tax.

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 72).

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.

Interim Increase: Effective ~~May~~April 1, 201~~2~~1 the Rates and Minimum Charge under these schedules include an increase of 3.91~~8~~% before rounding, approved by BCUC Order No. G-~~72~~17-~~11~~12.

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: $6.263~~027~~ per kV.A of Billing Demand per Billing Period.

Plus

Energy Charge: 3.671~~533~~¢ 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: $6.263~~027~~ per kV.A of Billing Demand

Taxes: The rates and minimum charge contained herein are exclusive of the Goods and Services tax and Social Service tax.

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

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.

Interim Increase: Effective ~~May~~April 1, 201~~2~~1 the Rates and Minimum Charge under these schedules include an increase of ~~8~~3.91% before rounding, approved by BCUC Order No. G-17~~72~~-12~~11~~.

Excess Demand Charge

$6.263~~027~~ 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, except for Statutory Holidays, 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,

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.

Taxes: The rates contained herein are exclusive of the Goods and Services tax and Social Services tax.

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.

Interim Increase: Effective ~~May~~April 1, 201~~2~~1 the Rates and Minimum Charge under these schedules include an increase of ~~8~~3.91% before rounding, approved by BCUC Order No. G-~~72~~17-~~11~~12.

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 Charge:	$35.30~~3.97~~	
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.	
Taxes:	The rates and minimum charge contained herein are exclusive of the Goods and Services tax and the Social Services tax.	
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.	
Interim Increase:	Effective ~~May~~April 1, 201~~2~~1 the Rates and Minimum Charge under these schedules include an increase of ~~8~~3.91% before rounding, approved by BCUC Order No. G-17~~72~~-12~~11~~.	

Energy Imbalance Price:	Pricing Period	Tier 1 Price (¢ / kW.h)	Tier 2 Price (¢ / kW.h)	
	Mar to Apr	3.~~108~~261	7.269	
	May to June	3.~~108~~261	6.629	
	July to Oct	3.~~108~~261	7.269	
	Nov to Feb	3.~~108~~261	8.213 (HLH)	7.443 (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:

1. 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.

Taxes:	The rates contained herein are exclusive of the Goods and Services tax and the Social Services tax.
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.
Interim Increase:	Effective ~~May~~April 1, 2012~~1~~ the Rates and Minimum Charge under these schedules include an increase of ~~8~~3.91% before rounding, approved by BCUC Order No. G-~~72~~17-~~11~~12.

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, 3014, 3015 and 3016 and Tariff Supplements No. 7, 8, 39 and 77.

Rate: A charge of ~~2.55~~% of the amounts otherwise payable under the applicable Rate Schedule, but 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, and the Trade Income Deferral Account.

Interim Rate : Effective ~~May~~April 1, 201~~2~~1 the Rate under this schedule ~~remains~~is ~~unchanged,~~ approved on an interim and refundable basis by BCUC Order No. G-~~72~~17-~~11~~12.

SCHEDULE 2600, 2601, 2610, 2611 – LARGE GENERAL SERVICE (150 KW AND OVER) FOR DISTRIBUTION UTILITIES

Availability: For Customers who qualify for General Service and (i) whose Billing Demand (determined under the Special Conditions below) is equal to or greater than 150 kW, or whose energy consumption in any 12 month period is greater than 550,000 kWh; (ii) who re-sell the electricity purchased from BC Hydro under this rate schedule at rates that are designed to and will reduce the electricity consumption of the customers of the Customer; (iii) who are public utilities regulated by the British Columbia Utilities Commission in regard to the re-sale of electricity purchased under this rate schedule; and (iv) who elect service under this rate schedule. Supply is at 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.

Charges: Basic Charge

19.25~~8.53~~¢ per day

Demand Charge

First 35 kW of Billing Demand per Billing Period	@ $0.00 per kW
Next 115 kW of Billing Demand per Billing Period	@ $4.69~~51~~ per kW
All additional kW of Billing Demand per Billing Period	@ $9.00~~8.66~~ per kW

Energy Charge

All kWh of energy consumption in the Billing Period @ the rate equal to the sum of:

1. the product of the marginal cost-based energy rate prescribed in the Part 2 Energy Charge/Credit provision of Rate Schedule 1600/1601/1610/1611, and 0.05;

2. the product of 4.~~36~~53¢ per kWh, and 0.95; and

3. –0.3~~4~~3¢ per kWh.

Metering:	A demand meter will normally be installed. Prior to the installation of such a meter, or if such a meter is not installed, the Billing Demand shall be estimated by BC Hydro.
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.
Interim Increase:	Effective April 1, 2012 the Rates and Minimum Charge under these schedules include an increase of 3.91% before rounding, approved by BCUC Order No. G-17-12.

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:	$6.0~~27~~263 per kW of Billing Demand per Billing Month
		plus
	Energy Charge:	3.~~533~~671¢ per kW.h of Purchase Energy per Billing Month.

Billing Demand: 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 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.

Taxes: The rates and charges contained herein are exclusive of the Goods and Services tax and the Social Services tax.

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.

Interim Increase: Effective ~~May~~April 1, 2012~~1~~ the Rates and Minimum Charge under these schedules include an increase of ~~8~~3.91% before rounding, approved by BCUC Order No. G-~~72~~17-~~11~~12.

ATTACHMENT H

Annual Transmission Revenue Requirement
for Network Integration Transmission Service

1. The Annual Transmission Revenue Requirement for purposes of the Network Integration Transmission Service shall be $~~520,069,240~~596,000,000.

2. The amount in (1) shall be effective until amended by the Transmission Provider or modified by the Commission.

Effective ~~May~~April 1, 201~~2~~1, this rate schedule is interim as per BCUC Order No. G-~~72~~17-~~11~~12.

Schedule 00

Network Integration Transmission Service

Availability	For wholesale transmission of electricity.
Rate	Monthly Transmission Revenue Requirement: Customers will be charged their load ratio share of one twelfth (1/12th) of the Network Transmission Revenue Requirement per month. The Transmission Revenue Requirement is shown in Attachment H. One-twelfth of the Transmission Revenue Requirement is $4~~3~~9,666,667~~,339,104~~.
Taxes	The Rate and Charges contained herein are exclusive of applicable taxes.
Note	The terms and conditions under which Network Integration Transmission Service is supplied are contained in BC Hydro's OATT. Capitalized terms appearing in this Schedule, unless otherwise noted, shall have the meaning ascribed to them therein.

Effective ~~May~~April 1, 201~~2~~1, this rate schedule is interim as per BCUC Order No. G-17~~72~~-12~~11~~.

Schedule 01

Point-To-Point Transmission Service

Availability	For transmission of electricity on a firm and non-firm basis from one or more Point(s) of Receipt (POR) to one or more Point(s) of Delivery (POD).
Rate for Long-Term Firm Service	The Reserved Capacity Charge for the Long-Term Firm Service Rate will be up to a maximum price as set out below except where the POD is a point of interconnection between the Transmission System and the transmission system of FortisBC Inc., in which case the rate shall be zero ($0.00). The Maximum Reserved Capacity Charge is $53,501~~46,948~~/MW of reserved capacity per year to be invoiced monthly. Reserved Capacity Billing Demand The Reserved Capacity Billing Demand is determined for each POR(s), POD(s) pair. The Reserved Capacity for each pair of POR(s) and POD(s) will be the maximum non-coincident sum of the designated POR(s) and POD(s) included in the pair.

Schedule 01 – Point-To-Point Transmission Service (continued)

Rate for Short-Term Firm and Non-Firm Service	The posted prices for Short-Term Firm and Non-Firm Service will be less than or equal to a maximum price ($/MWh) as set out below, except where the POD is a point of interconnection between the Transmission System and the transmission system of FortisBC Inc., in which case the rate shall be zero ($0.00). Maximum Price for: 1. Monthly delivery: $4,458.42~~3,912.31~~/MW of Reserved Capacity per month. 2. Weekly delivery: $1,028.87~~902.84~~/MW of Reserved Capacity per week. 3. Daily delivery: $146.58~~28.62~~/MW of Reserved Capacity per day. 4. Hourly delivery: ~~$5.36~~6.11/MW of Reserved Capacity per hour. Discount Rate: For discounted paths posted on the Transmission Provider's OASIS, the Transmission Customer shall pay each month for Reserved Capacity Billing Demand the greater of the rates set forth below and the rate offered by the Transmission Customer and accepted by the Transmission Provider up to the maximum rate for Short-Term Firm and Non-Firm Service: 1. Hourly delivery: $3/MW of Reserved Capacity per hour in the Heavy Load Hour period (06:00-22:00, Monday - Saturday, excluding NERC holidays) and $1/MW of Reserved Capacity per hour for the Light Load Hour period (remaining hours and days). 2. Daily delivery: sum of the hourly delivery charge in the 24 hour period in the day.
Reserved Capacity for Short-Term Firm and Non-Firm Services	The Reserved Capacity shall be the maximum of the sum of non-coincident POD(s) Capacity Reservations or sum of non-coincident POR(s) Capacity Reservations.

Schedule 01 – Point-To-Point Transmission Service (continued)

Penalty Charge	In addition to the applicable rate for service and associated charges for Ancillary Services, a penalty charge will be applied to all unauthorized usage at a rate of 125 percent of the maximum hourly delivery charge.
Special Conditions	Discounts: The following conditions apply to discounts for transmission service: 1. any offer of a discount made by BC Hydro must be announced to all Eligible Customers solely by posting on the OASIS, 2 any customer-initiated requests for discounts (including requests for use by one's wholesale merchant or an affiliate's use) must occur solely by posting on the OASIS, 3. once a discount is negotiated, details must be immediately posted on the OASIS, and 4. for any discount agreed upon for service on a path, from POR(s) POD(s), BC Hydro must offer the same discounted transmission service rate for the same time period to all Eligible Customers on all unconstrained transmission paths that go to the same POD(s) on the Transmission System.
Taxes	The Rate and Charges contained herein are exclusive of applicable taxes.
Resales	The rates and rules governing charges and discounts stated above shall not apply to resales of transmission service, compensation for which shall be governed by section 23.1 of the Tariff
Note	The terms and conditions under which Transmission Service is supplied are contained in BC hydro's Open Access Transmission Tariff. Capitalized terms appearing in this Rate Schedule, unless otherwise noted, shall have the meaning ascribed to them therein.

Effective ~~May~~April 1, 2012~~1~~, this rate schedule is interim as per BCUC Order No. G-17~~72~~-12~~11~~.

Schedule 03

Scheduling, System Control, and Dispatch Service

Preamble	This service is required to schedule the movement of power through, out of, within, or into a Control Area. This service can be provided only by the operator of the Control Area in which the transmission facilities used for transmission service are located. Scheduling, System Control and Dispatch Service is to be provided directly by BC Hydro. The Transmission Customer must purchase this service from BC Hydro. The charges for Scheduling, System Control and Dispatch Service are to be based on the rates set forth below.
Availability	In support of Network Integration Transmission Service, Long and Short-Term Firm Point-to-Point Transmission Service, and Non-Firm Point-to-Point Transmission Service.
Rate	$0.139~~1~~ per MW of Reserved Capacity per hour.
Taxes	The Rate and Charges contained herein are exclusive of applicable taxes.
Note	A description of the methodology for discounting Scheduling, System Control and Dispatch Services provided under this Schedule is contained in Section 3 of the BC Hydro OATT.

Effective ~~May~~April 1, 201~~2~~1, this rate schedule is interim as per BCUC Order No. G-17~~72~~-12~~11~~.

Amended F12-F14 RRA
Compliance with BCUC Order No. G-17-12

BC hydro

Appendix 2

Summary of F2012, F2013 and F2014 Rates

List of Tables

Revised Amended Table X-1 Summary of F2012, F2013 and F2014 Rates 1

Revised Amended Table X-1 Summary of F2012, F2013 and F2014 Rates

Rate Class	Rate Schedule	Rate	F2012	F2013	F2014
Residential	1101/1121	Basic Charge ($/day)	0.1448	0.1505	0.1564
		Step 1 energy rate ($/kWh)	0.0667	0.0680	0.0694
		Step 2 energy rate ($/kWh)	0.0962	0.1019	0.1078
Residential	1105 (closed)	Energy rate ($/kWh)	0.0428	0.0445	0.0462
		Energy rate during period of interruption ($/kWh)	0.2494	0.2591	0.2692
Residential Zone II	1107/1127	Basic Charge ($/day)	0.1545	0.1605	0.1668
		Step 1 energy rate ($/kWh)	0.0784	0.0815	0.0847
		Step 2 energy rate ($/kWh)	0.1347	0.1400	0.1455
Residential	1148 (closed)	Basic Charge ($/day)	0.1545	0.1605	0.1668
		Energy rate ($/kWh)	0.0784	0.0815	0.0847
Residential	1151/1161	Basic Charge ($/day)	0.1545	0.1605	0.1668
		Energy rate ($/kWh)	0.0784	0.0815	0.0847
General Service	1200/1201/1210/1211	Basic Charge ($/day)	0.1853	0.1925	0.2000
		Demand – Step 1 ($/kW)	0.00	0.00	0.00
		Demand – Step 2 ($/kW)	4.51	4.69	4.87
		Demand – Step 3 ($/kW)	8.66	9.00	9.35
		Energy rate – Tier 1 ($/kWh)	0.0881	0.0915	0.0951
		Energy rate – Tier 2 ($/kWh)	0.0424	0.0440	0.0457
General Service	1205/1206/1207	Energy rate – Tier 1 ($/kWh)	0.0428	0.0445	0.0462
		Energy rate – Tier 2 ($/kWh)	0.0281	0.0292	0.0303
		Energy rate during period of interruption	0.2494	0.2591	0.2692
Small General Service Zone II	1234	Basic Charge ($/day)	0.1853	0.1925	0.2000
		Energy rate – Tier 1 ($/kWh)	0.0881	0.0915	0.0951
		Energy rate – Tier 2 ($/kWh)	0.1468	0.1525	0.1585
Distribution Service	1253	Monthly Minimum energy charge ($/month)	33.97	35.30	36.68
Distribution Service	1268	Energy charge ($/kWh)	0.00137	0.00142	0.00147
Power Service	1278 (Closed)	$/kVa	2.198	2.284	2.373
		Energy charge ($/kWh)	0.05748	0.05973	0.06206
		Monthly minimum greater of $/kVa or ($)	4.29 8589.43	4.46 8925.28	4.63 9274.26
Large General Service Zone II	1255/1256/1265/1266	Basic Charge ($/day)	0.1853	0.1925	0.2000
		Energy charge – Tier 1 ($/kWh)	0.0881	0.0915	0.0951
		Energy charge – Tier 2 ($/kWh)	0.1468	0.1525	0.1585

Rate Class	Rate Schedule	Rate	F2012	F2013	F2014
Net Metering Service	1289	Energy rate ($/kWh)	0.0816	0.0816	0.0816
Small General Service	1300/1301/1310/1311	Basic Charge ($/day)	0.1853	0.1925	0.2000
		Energy Charge ($/kWh)	0.0881	0.0915	0.0951
Irrigation	1401/1402	Irrigation season $/kWh	0.0424	0.0441	0.0458
		Non-irrigation season energy charge – Tier 1 ($/kWh)	0.0424	0.0441	0.0458
		Non-irrigation season energy charge – Tier 2 ($/kWh)	0.3364	0.3495	0.3632
		Minimum charge irrigation season ($/kW)	4.24	4.41	4.58
		Non-irrigation season if consumption >500 kWh (per kW)	33.92	35.25	36.63
Medium General Service	1500/1501/1510/1511	Basic Charge ($/day)	0.1853	0.1925	0.2000
		Demand rate – Step 1 ($/kW)	0.00	0.00	0.00
		Demand rate – Step 2 ($/kW)	4.51	4.69	4.87
		Demand rate – Step 3 ($/kW)	8.66	9.00	9.35
		Part 1 Energy Rate – Tier 1 ($/kWh)	0.0872	0.0897	0.0910
		Part 1 Energy Rate – Tier 2 ($/kWh)	0.0444	0.0490	0.0548
		Part 2 Energy Rate ($/kWh)	0.0668	0.0942	0.0962
		Minimum Energy Rate ($/kWh)	0.0270	0.0281	0.0292
Large General Service	1600/1601/1610/1611	Basic Charge ($/day)	0.1853	0.1925	0.2000
		Demand rate – Step 1 ($/kW)	0.00	0.00	0.00
		Demand rate – Step 2 ($/kW)	4.51	4.69	4.87
		Demand rate – Step 3 ($/kW)	8.66	9.00	9.35
		Part 1 Energy Rate - Tier 1 ($/kWh)	0.0885	0.0937	0.0960
		Part 1 Energy Rate – Tier 2 ($/kWh)	0.0426	0.0451	0.0462
		Part 2 Energy Rate ($/kWh)	0.0668	0.0942	0.0962
		Minimum Energy Charge ($/kWh)	0.0270	0.0281	0.0292
Large General Service (150 KW and over) for Distribution Utilities	2600/2601/2610/2611	Basic Charge ($/day)	0.1853	0.1925	0.2000
		Demand – Step 1 ($/kW)	0.00	0.00	0.00
		Demand – Step 2 ($/kW)	4.51	4.69	4.87
		Demand – Step 3 ($/kW)	8.66	9.00	9.35

Rate Class	Rate Schedule	Rate	F2012	F2013	F2014
		Part 2 Energy Rate ($/kWh) (RS1600 rate)	0.0668	0.0942	0.0962
		Embedded Cost Rate ($/kWh)	0.0436	0.0453	0.0471
		Discount ($/kWh)	-0.0033	-0.0034	-0.0035
Street Lighting	1701	100 SV fixture rate ($/month)	13.59	14.12	14.67
		150 SV fixture rate ($/month)	16.20	16.83	17.49
		200 SV fixture rate ($/ month)	18.71	19.44	20.20
		175 MV fixture ($/month)	14.93	15.51	16.12
		250 MV fixture ($/month)	17.20	17.87	18.57
		400 MV fixture ($/month)	22.18	23.05	23.95
Street Lighting	1702	Each unmetered fixture per watt ($/watt per month)	0.0261	0.0271	0.0282
		Each metered fixture per watt ($/kWh)	0.0784	0.0815	0.0847
Street Lighting	1703	Energy rate ($/watt per month)	0.0261	0.0271	0.0282
		Contact rate ($/contact per month)	0.7883	0.8191	0.8511
Street Lighting	1704	Energy rate ($/kWh)	0.0784	0.0815	0.0847
Street Lighting	1755 (closed)	1. Pole owned by Customer			
		175 MV or 100SV fixture charge ($ per month)	12.73	13.23	13.75
		400 MV or 150SV fixture charge ($ per month)	21.95	22.81	23.70
		2. Pole on public property			
		175 MV or 100SV fixture charge ($ per month)	13.53	14.06	14.61
		400 MV or 150SV fixture charge ($ per month)	22.74	23.63	24.55
		3. Pole paid by BC Hydro			
		175 MV or 100SV fixture charge ($ per month)	16.65	17.30	17.98
		400 MV or 150SV fixture charge ($ per month)	26.21	27.23	28.29
Transmission Service	1823	Demand rate ($/kVA)	6.027	6.263	6.508
		Energy rate A ($/kWh)	0.03533	0.03671	0.03814
		Energy rate B - Tier 1 ($/kWh)	0.03108	0.03261	0.03420
		Energy rate B - Tier 2 ($/kWh)	0.07360	0.07360	0.07360
		Minimum demand ($/kVA)	6.027	6.263	6.508
Transmission Service	1825	Demand rate ($/kVA)	6.027	6.263	6.508

Rate Class	Rate Schedule	Rate	F2012	F2013	F2014
		Winter HLH energy rate (below 90%) ($/kWh)	0.03108	0.03261	0.03420
		Winter HLH energy rate (above 90%) ($/kWh)	0.08213	0.08213	0.08213
		Winter LLH energy rate (below 90%) ($/kWh)	0.03108	0.03261	0.03420
		Winter LLH energy rate (above 90%) ($/kWh)	0.07443	0.07443	0.07443
		Spring energy rate (below 90%) ($/kWh)	0.03108	0.03261	0.03420
		Spring energy rate (above 90%) ($/kWh)	0.06629	0.06629	0.06629
		Remaining period energy rate (below 90%) ($/kWh)	0.03108	0.03261	0.03420
		Remaining period energy rate (above 90%) ($/kWh)	0.07269	0.07269	0.07269
Transmission Service	1827	Demand rate ($/kVA)	6.027	6.263	6.508
		Energy rate ($/kWh)	0.03533	0.03671	0.03814
		Minimum demand ($/kVA)	6.027	6.263	6.508
Transmission Service	1852	Excess demand rate ($/kVA)	6.027	6.263	6.508
Transmission Service	1853	Minimum Monthly Charge ($/month)	33.97	35.30	36.68
Transmission Service	1880	Administrative Charge per Period of Use ($)	150.00	150.00	150.00
		Energy charge ($/kWh)	0.07360	0.07360	0.07360
Transmission Service	1890	Tier 1 Mar-Feb energy rate ($/kWh)	0.03108	0.03261	0.0342
		Tier 2 Mar-Apr energy rate ($/kWh)	0.07269	0.07269	0.07269
		Tier 2 May-June energy rate ($/kWh)	0.06629	0.06629	0.06629
		Tier 2 July-Oct energy rate ($/kWh)	0.07269	0.07269	0.07269
		Tier 2 Nov-Feb (HLH) energy rate ($/kWh)	0.08213	0.08213	0.08213
		Tier 2 Nov-Feb (LLH) energy rate ($/kWh)	0.07443	0.07443	0.07443
Deferral Account Rate Rider	1901		2.5%	5.0%	2.5%
Transmission Service FortisBC	3808	Demand Charge ($/kW)	6.027	6.263	6.508
		Energy rate ($/kWh)	0.03533	0.03671	0.03814

Rate Class	Rate Schedule	Rate	F2012	F2013	F2014
OATT Rates					
NITS Revenue Requirement	Attachment H	NITS Revenue Requirement ($)	520,069,240	596,000,000	619,000,000
NITS	00	NITS monthly rate ($ million/month)	47.1	49.7	51.6
Long-Term Firm Point to Point	01	Long-term Firm Point to Point ($/MW/Year)	50,989	53,501	55,035
Short-term Firm and Non-Firm	01	Monthly ($/MW/month)	4,249.07	4,458.42	4,586.24
	01	Weekly ($/MW/week)	980.55	1,028.87	1,058.36
	01	Daily ($/MW/day)	139.70	146.58	150.78
	01	Hourly ($/MW/hour)	5.82	6.11	6.28
Scheduling, Systems Control and Dispatch Service	03	$ per MW of Reserved Capacity per hour	0.131	0.139	0.139

Amended F12-F14 RRA
Compliance with BCUC Order No. G-17-12

BC hydro

Appendix 3

Calculation of MGS, LGS, RIB, TSR and Corix Rates in Accordance with Pricing Principles

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1 F2012 MGS Rate Calculation Methodology

1.1 Introduction

The energy rates for the MGS rate class are set in accordance with the pricing principles approved in BCUC Order No. G-110-10 (the LGS Negotiated Settlement Agreement (**NSA**)). In F2013, approximately one-third of accounts in the MGS class will transfer to a two-part rate structure based on each account's peak demand level in the previous year. This transfer of accounts is outlined in section 5 of the NSA (Applicability of Two-Part Rate) which states that a two-part rate structure as described in the LGS Rate Application, as modified in the NSA, will be applied to MGS accounts with peak demand greater or equal to 85 kW starting on April 1, 2012.

Section 8 of the NSA also outlines a timeline by which BC Hydro is to reduce the difference between the MGS tier 1 and tier 2 rates. The lower MGS tier 2 rate is increased annually, subject to a maximum forecast bill impact for MGS accounts, before class average rate changes (**CARC**).

With regard to the MGS tier 2 rate, beginning on January 1, 2011 BC Hydro began flattening the MGS declining block rate structure by increasing the tier 2 rate by an amount greater than the F2011 average rate increase, subject to an incremental maximum forecast bill impact of 2 per cent.

On May 1, 2011 the tier 2 rate was again increased by an amount that resulted in an incremental maximum forecast bill impact of no more than 2 per cent per annum (and incremental maximum forecast bill impacts of 4 per cent per annum will be applied at the beginning of F2013, F2014 and F2015).

The MGS tier 1 rate is calculated residually in each year in order to maintain revenue neutrality for the class.

This section describes the methodology used to calculate MGS rates for F2013 that reflects the 3.91 per cent interim rate increase approved by BCUC Order No. G-17-12.

The methodology differs from that used in previous years because it additionally takes into account the transfer of accounts to the two-part rate. BC Hydro's methodology is consistent with the pricing principles set out in the NSA and the LGS Rate Application.

1.2 Billing Data for the MGS Rate Model

The MGS Rate model uses F2011 billing data for the test year. This data consists of billing kW and kWh, calendarized on a monthly basis.[1] Raw MGS billing data is adjusted by eliminating accounts that 1) are missing kWh consumption or KW demand in any month of F2011, or 2) have non-zero kWh consumption coincident with zero kW demand in any month of F2011, or 3) have negative kW demand in any tier in any month of F2011, or 4) have non-zero kW demand coincident with zero kW demand in a lower tier in any month of F2011. "New" accounts with service commencement dates in F2011 are not included in the MGS rate model since the behaviour of new accounts is difficult to predict, and their presence has a small effect on the rate calculation.

The F2011 billing determinants (i.e., energy consumption levels at Part-2, tier 1 and tier 2 energy rates, MW of peak load, and days of service) are scaled and calibrated to match the total energy in the load forecast for F2013. The scaling and calibration adjustments are discussed in more detail in section 1.3.1 and section 1.3.2.

1.3 General Description of MGS Pricing Methodology

Six steps are used to calculate the revenue neutral MGS energy rates and they are described in more detail in this section:

1. Determine the April 2010 through March 2011 billing determinants from the scrubbed and scaled account data;
2. Calibrate the billing determinants from 1 above to the total MGS energy sales forecast for F2013. Identify the accounts that will be moved to the two-part rate.

[1] BC Hydro calendarizes the billing data because the monthly billing periods do not correspond with the calendar months. BC Hydro does this by taking into account the number of days in each billing period that fall in a calendar month and by prorating the data accordingly.

3. Determine the forecast basic and demand charges based on the F2013 RRA rate increase and Rate Rider. The Part-2 LRMC-based energy is from the LGS Rate Application and approved by BCUC Order No. G-110-10.

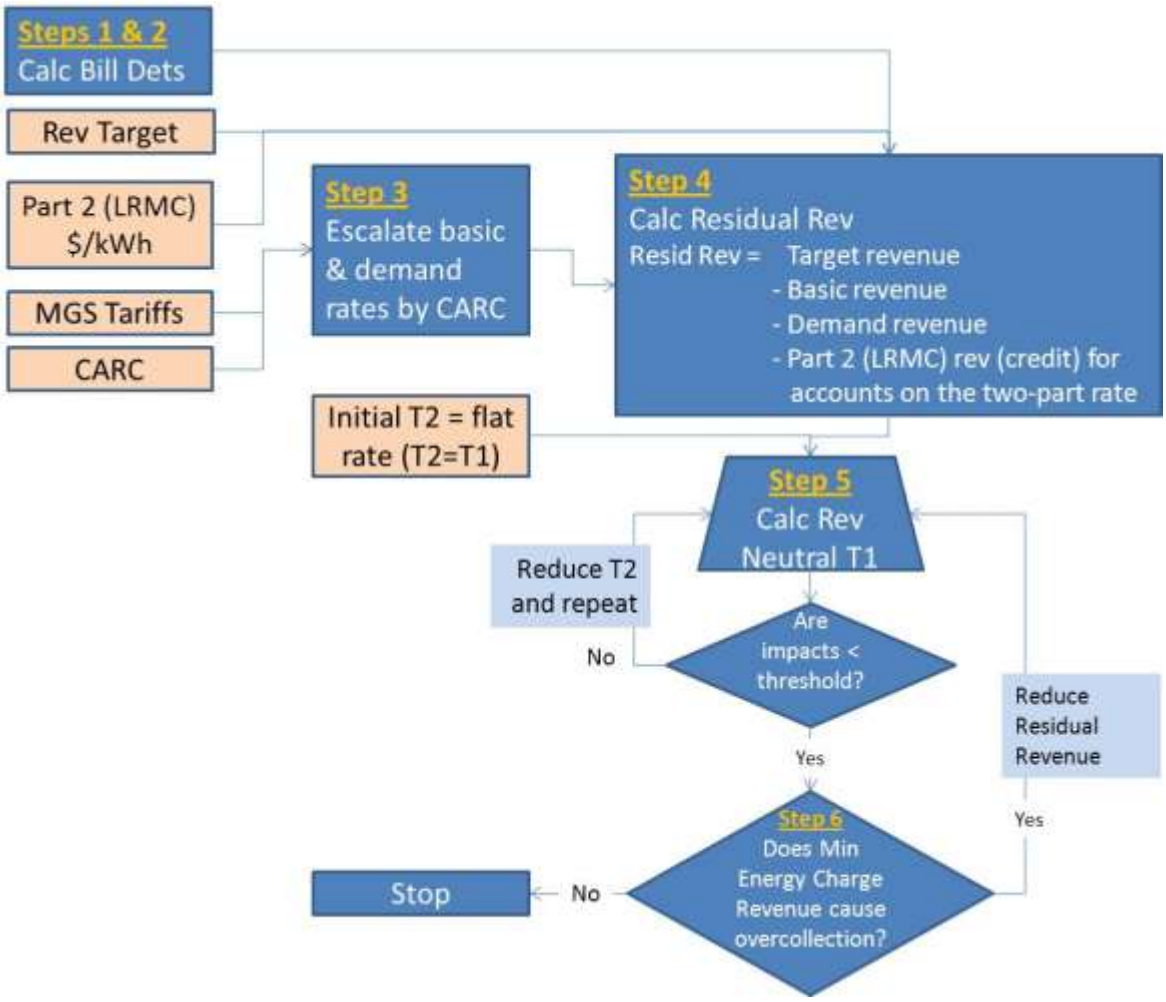
4. Calculate the forecast residual revenue. The forecast residual revenue is the forecast class target revenue less the net revenues from (1) the current basic and demand rates with rate rider and escalated at the appropriate CARC collected from all accounts and (2) the part 2 LRMC-based energy rate with rate rider collected from those accounts on the two-part rate.

5. Determine the tier 1 and tier 2 energy rates that would collect the forecast residual revenue. Minimize the difference between tier 1 and tier 2 energy rates without exceeding the bill impact threshold of 4 per cent before CARC. This is done by first assuming that the tier 1 rate and tier 2 energy rate are the same. If these tier 1 and tier 2 rates result in bill impacts that violate the four per cent before CARC threshold, then increase the tier 1 rate and repeat until the bill impacts no longer violate the four per cent before CARC threshold

6. If necessary, calculate any differences between the forecast class target revenue and the total estimated revenue for all accounts due to the Minimum Energy Charge.[2] Subtract that amount from the forecast target revenue used in step 4 then repeat step 4.

Each of these steps is illustrated in the figure below and described in more detail in section 1.3.1.

[2] For F2013, the forecast over-collection from the minimum energy charge is negligible. However, this step is included since it may be needed in future years as the number of accounts on the two-part rate increases.



1.3.1 Determine the Forecast Billing Determinants and HBLs

1.3.1.1 Determine Billing Determinants

The billing determinants are calculated using an account-specific rate calculation spreadsheet. The spreadsheet calculates billing determinants for each account in the MGS rate design account data set described in section 1.2. Two adjustments are made to the recorded billing data in calculating the forecast period rates. The first adjustment is to scale each account's monthly energy and demand to reflect forecast sales growth per centage for the MGS class. BC Hydro refers to these energy and demand values as "scaled." The scaling factor is (1) BC Hydro's March 2011 load forecast for

F2013 for ELGS accounts[3] that is net of rates and DSM, divided by (2) the total April 2010 through March 2011 sales for ELGS accounts. The scaling factor equals 1.00889 (14,306 GWh/14,180 GWh). Note that the ELGS sales in item (2) are tracked in BC Hydro's load forecast. BC Hydro used the load forecast for ELGS accounts (which include all accounts in the 15xx, 16xx and 12xx rate classes) because at this time, BC Hydro does not have enough information to produce separate load forecasts for each of these classes as the MGS and LGS rates were just implemented in January 2011.

Basic Charge

The billing determinant for the basic charge is the sum of the number of accounts in the rate design subset, multiplied by 365 days in the year.

Demand Charge

The MGS rate structure has separate charges in each month for demand of zero to 35 kW (tier 1), 35 to 150 kW (tier 2), and above 150 kW (tier 3). Each account's April 2010 through March 2011 demand is used to determine total class demand in each tier.

The demand for each account is assigned to the appropriate tier as follows:

- If an account's peak demand in a given monthly billing period is less than or equal to 35 kW, all its demand in that period is assigned to tier 1.
- If an account's peak demand in a given monthly billing period is greater than 35 and less than or equal to 150 kW, then 35 kW of demand is assigned to tier 1 in that period, and its total demand minus 35 kW (up to a max of 115 kW) is assigned to tier 2 in that period.

[3] BC Hydro refers to ELGS accounts as "Existing Large General Service" accounts that take service under RS 1200, 1201, 1210 and 1211 and have monthly peak demand in excess of 35 kW.

- If an account's peak demand in a given monthly billing period is greater than 150 and then 35 kW of demand is assigned to tier 1 in that period, 115 kW of demand is assigned to tier 2 in that period, and its total demand minus 150 kW is assigned to tier 3 in that period.

Each account's demand for each tier is summed over each month in the Period to determine the tier 1, tier 2, and tier 3 demand billing determinants.

Metering and Transformation Discounts

Accounts on rate schedules (**RS**) 1510 and 1511 are given a discount of 25¢ per billing period per kW of billing demand for supplying transformation from a primary potential to a secondary potential. In addition, accounts on RS 1501 and 1511 receive a 1.5 per cent reduction to their bill because their supply of electricity is metered at a primary potential. Demand loads for these rate schedules are tracked separately to allow proper assignment of the 25¢ per kW and 1.5 per cent discounts.

Tier 1 and Tier 2 Energy Usage

In F2013, the MGS class will begin transitioning from all customers on simple declining block rates to having all customers on two-part rates in F2015. During the transition period, the MGS class will have customers on both rate forms. The calculation of tier 1 and tier 2 energy usages differs depending on the applicable rate forms, as discussed below.

Simple Declining Block Rates

For accounts that are not subject to the MGS two-part rate form, their monthly energy usage is allocated to tier 1 and tier 2 as follows:

- if an account's scaled usage is at or below 14,800 kWh in a given monthly billing period, the scaled usage is assigned to tier 1.

- if an account's scaled usage in a given monthly billing period is greater than 14,800 kWh, then 14,800 kWh is assigned to tier 1, and the balance is assigned to tier 2 energy in that billing period.

Two-Part Rates

Two-Part rates apply to accounts with maximum demands of 85kW and above in F2013, 55kW and above in F2014, and all MGS accounts in F2015. For these accounts, Tier 1 and Tier 2 energy usage for the purposes of modelling and determining revenue neutral tier 1 and tier 2 rates are the account's HBLs for that period plus any adjustments for usage outside of the Price Limit Bands (refer to ***Part 2 LRMC-based Energy Usage*** section that follows below). HBLs are used for accounts that are subject to the Part-2 energy rate component. HBLs are allocated to tier 1 and tier 2 as follows:

- if an account's HBL is at or below 14,800 kWh in a given monthly billing period, all energy in the HBL is assigned to tier 1.
- if an account's HBL in a given monthly billing period is greater than 14,800 kWh, then 14,800 kWh is assigned to tier 1, and the balance is assigned to tier 2 in that billing period.

For MGS accounts that are subject to the two-part rate form, the allocated tier 1 and tier 2 HBL energy are adjusted for usage outside of the Price Limit Bands to reflect the net amount of Tier 1 and Tier 2 usage as follows:

- If the scaled usage in the month is within the price limit bands, then tariff condition 2a applies, and no Part-1 energy adjustments are needed.
- If the scaled usage in a month is greater than 120 per cent of the HBL, then tier 1 energy is increased by the the larger of (1) 14,800 – 120 per cent x HBL, or (2) 0.
- If the scaled usage in a month is less than the 80 per cent of the HBL, then tier 1 energy is reduced by the larger of (1) 14,800 – 20 per cent x HBL, or (2) 0.

- After any tier 1 energy adjustments, the tier 2 energy is adjusted, if needed, so that the sum of tier 1 plus tier 2 plus part-2 energy equals the scaled usage for the month.

For both the simple declining block and the two-part rate forms, tier 1 and tier 2 energy are summed over the months to determine the total class energy at tier 1 and tier 2. Accounts on RS 1501 and 1511 are tracked separately to allow the 1.5 per cent bill reduction to be applied to those accounts.

Part 2 LRMC-based Energy Usage

For an MGS account that is subject to the two-part rate form, part 2 energy is forecast as the account's forecast period scaled energy usage in the month minus the account's HBL for the corresponding month. The Part 2 energy can be positive or negative.

Twelve months of HBLs (referred to as "Initial HBLs") from April 2012 through March 2013 have been pre-determined for F2013 for all MGS customers in the sample who will be on the two part rate on April 1, 2012.

Initial HBLs are equal to the average of each account's monthly usage from October 2008 through September 2011. In calculating the averages, zero or partial usage reads occurring prior to, or in the same month as an account's 'move in date' are excluded. In this way the averages are not biased downward for accounts that begin service after October 2008.

The modelled billing determinants also reflect the 80:120 price limit band. The Price Limit Band limits the kWh billed or credited at the Part 2 LRMC-based rates in any month as follows.

Scaled forecast year energy usage in a month is greater than the HBL. The Price Limit Band restricts the Part 2 LRMC-based energy in that month to be no more than 20 per cent of the HBL. Any usage over 20 per cent of the HBL in a given month that would have otherwise been counted as Part 2 energy is added to the Tier 1 and Tier 2

energy as described in the ***Tier 1 and Tier 2 Energy Usage*** section previous to this section.

Scaled forecast year energy usage in a month is less than the HBL. The Price Limit Band restricts the Part 2 LRMC-based energy credit in that month to be no more than 20 per cent of the HBL. Any usage reduction beyond the 20 per cent of the HBL limit that would have otherwise been counted as Part 2 energy is subtracted from Tier 1 and Tier 2 usage as described in the ***Tier 1 and Tier 2 Energy Usage*** section previous to this section.

Table 1 Rate Design Subset Billing Determinants

		A
	MGS Class Billing Data Subset Billing Determinants	
	Number of Accounts	**F2013**
1	1500	14,300
2	1501	33
3	1510	144
4	1511	168
5	Total Accounts	14,645
	Demand	
	Demand Step - 1 (kW) -Total	
7	1500	5,712,259
8	1501	13,489
9	1510	56,857
10	1511	67,218
11	Total Demand Step 1	5,849,823
	Demand Step - 2 (kW)	
12	1500	3,777,833
13	1501	14,268
14	1510	59,263
15	1511	76,848
16	Total Demand Step 2	3,928,212
	Demand Step - 3 (kW)	
17	1500	21,214
18	1501	-
19	1510	4,514
20	1511	21,129
21	Total Demand Step 3	46,856
22	**Sum of Demand (kW)**	9,824,892
	Energy for Proposed Rates	
23	Energy Tier 1 kWh	
24	1500	2,101,487,049
25	1501	5,327,526
26	1510	20,299,065
27	1511	26,791,789
28	Total Energy Tier 1	2,153,905,429
	Energy Tier 2 kWh	
29	1500	996,677,051
30	1501	3,511,872
31	1510	13,850,254
32	1511	26,698,453
33	Total Energy Tier 2	1,040,737,630
	Energy Part 2 (LRMC) kWh	
34	1500	5,386,105
35	1501	(13,358)
36	1510	(153,079)
37	1511	(261,162)
38	Total Energy Part 2 (LRMC)	4,958,506
39	Total MGS Energy (kWh)	3,199,601,565

1.3.2 Calibrate Forecast Period Billing Determinants

A calibration step is required to scale the rate design subset billing determinants to forecast F2013. The calibration factors are the ratios of BC Hydro's March 2011 energy sales load forecast (net after rates and DSM) of MGS accounts for F2013 to the rate design subset energy sales of the MGS accounts from the adjusted F2011 data set (i.e., partial billing data removed). The calibration factor equals 1.05713 (3,382,402 MWh/3,199,602 MWh)

Table 2 shows the final calibrated billing determinants used for calculating the MGS rates. The sales forecast is shown in row 41 of Table 2, and the calibration factor is shown in row 40.

Table 2 Calibrated Billing Determinants

		A	
	Total MGS Class Forecast Calibrated Billing Determinants		
	Account Days	**F2013**	**Notes**
1	1500	5,517,702	*Table 1 * 365 * Row 40*
2	1501	12,733	
3	1510	55,563	
4	1511	64,823	
5	Total Account Days	**5,650,821**	
	Calibrated Demand		
	Demand Step - 1 (kW) -Total		
7	1500	6,038,613	*Table 1 * Row 40*
8	1501	14,260	
9	1510	60,105	
10	1511	71,059	
11	Total Demand Step 1	**6,184,037**	
	Demand Step - 2 (kW)		
12	1500	3,993,669	
13	1501	15,084	
14	1510	62,648	
15	1511	81,239	
16	Total Demand Step 2	**4,152,640**	
	Demand Step - 3 (kW)		
17	1500	22,426	
18	1501	-	
19	1510	4,771	
20	1511	22,336	
21	Total Demand Step 3	**49,533**	
22	**Sum of Demand (kW)**	**10,386,210**	
	Energy for Proposed Rates		
23	Energy Tier 1 kWh		
24	1500	2,221,549,733	
25	1501	5,631,899	
26	1510	21,458,796	
27	1511	28,322,464	
28	Total Energy Tier 1	**2,276,962,893**	
	Energy Tier 2 kWh		
29	1500	1,053,619,453	
30	1501	3,712,513	
31	1510	14,641,550	
32	1511	28,223,795	
33	Total Energy Tier 2	**1,100,197,312**	
	Energy Part 2 (LRMC) kWh		
34	1500	5,693,826	
35	1501	(14,122)	
36	1510	(161,825)	
37	1511	(276,082)	
38	Total Energy Part 2 (LRMC)	**5,241,797**	
39	Total MGS Energy (kWh)	**3,382,402,002**	
40	Calibration Factor	1.05713225	*Row 41 / Table 1 Row 39*
41	Forecast kWh Sales	3,382,402,002	From Sales Forecast

1.3.3 Determine the Basic, Demand, and Part 2 LRMC– based Energy Rates

To obtain the F2013 basic and demand rates with rate rider, BC Hydro applies the 3.91 per cent F2013 interim RRA increase to the F2012 (May 2011) basic and demand tariff rates and multiplies this by the F2013 5 per cent rate rider.

Table 3 shows the calculation of the F2013 RRA-escalated basic and demand rates with rate rider. The table also shows the Part-2 LRMC-Based energy rate with rate rider.

In F2013, as per Table 1-4 of the LGS Rate Application and approved by BCUC Order No. G-110-10, the LRMC based Part 2 LRMC-based energy rate is 9.42 cents/kWh without the rate rider. This equals 9.891 cents/kWh with the 5 per cent rate rider.

Shown below are the escalated basic and demand rates, and the Part 2 LRMC-based energy rates.

Table 3 Proposed Rates other than Tier-1 Energy

		A	B	C	
	Proposed Rates with Rate Rider, other than Tier 1 Energy				
	Basic Charge (cents per day)	**F2012 Tariff Rates**	**Effective F12 w/ RR**	**F2013**	**Notes**
1	1500	18.530	18.99	20.213	*Prev yr * (1+RRA) * (1+RR) / (1+Prev RR)*
2	1501		*18.708*	19.909	*Sch 1500 * (1-1.5%)*
3	1510		*18.993*	20.213	*Sch 1500*
4	1511		*18.708*	19.909	*Sch 1500 * (1-1.5%)*
5					
	Demand ($/kW-month)				
	Demand Tier - 1				
7	1500			-	*Prev yr * (1+RRA) * (1+RR) / (1+Prev RR)*
8	1501			-	*Sch 1500 * (1-1.5%)*
9	1510			-	*Sch 1500*
10	1511			-	*Sch 1500 * (1-1.5%)*
11					
	Demand Tier - 2				
12	1500	4.510	4.62	4.925	*Prev yr * (1+RRA) * (1+RR) / (1+Prev RR)*
13	1501		*4.553*	4.851	*Sch 1500 * (1-1.5%)*
14	1510		*4.373*	4.675	*Sch 1500 - 0.25*
15	1511		*4.303*	4.601	*Sch 1500 * (1-1.5%) - 0.25*
16					
	Demand Tier - 3				
17	1500	8.660	8.88	9.450	*Prev yr * (1+RRA) * (1+RR) / (1+Prev RR)*
18	1501		*8.743*	9.308	*Sch 1500 * (1-1.5%)*
19	1510		*8.627*	9.200	*Sch 1500 - 0.25*
20	1511		*8.493*	9.058	*Sch 1500 * (1-1.5%) - 0.25*
21					
	Energy Part 2 (LRMC) Rate (cents/kWh)				
34	1500	6.680	6.847	9.891	*Inputs*
35	1501		6.744	9.743	*Sch 1500 * (1-1.5%)*
36	1510		6.847	9.891	*Sch 1500*
37	1511		6.744	9.743	*Sch 1500 * (1-1.5%)*
38					
39					
40	Rate Rider (RR)		2.50%	5.00%	
41	Annual RRA			3.91%	

1.3.4 Determine the Revenues from the Rates Components other than Tier-1 and Tier 2 Energy

The forecast revenues that result from the rates in Table 3 are shown in Table 4. These revenues are simply the product of the forecast period billing determinants from Table 2 and the rates from Table 3, expressed in millions of dollars.

Table 4 Target Revenue from Rate Components other than Tier 1 and Tier 2 Energy

		A		
	Revenues by component ($million)			
	Basic Charge Revenue		**F2013**	**Notes**
1	1500	$	1.115	*Accts*Charge/100/10^6*
2	1501	$	0.003	
3	1510	$	0.011	
4	1511	$	0.013	
5	Total Basic Charge	**$**	**1.142**	*Sum of 1500, 1501, 1510, 1511*
	Calibrated Demand			
	Demand Tier - 1 (kW)			
7	1500	$	-	*Demand * Charge / 10^6*
8	1501	$	-	
9	1510	$	-	
10	1511	$	-	
11	Total Demand Tier - 1	**$**	**-**	*Sum of 1500, 1501, 1510, 1511*
	Demand Tier - 2			
12	1500	$	19.667	*Demand * Charge / 10^6*
13	1501	$	0.073	
14	1510	$	0.293	
15	1511	$	0.374	
16	Total Demand Tier - 2	**$**	**20.407**	*Sum of 1500, 1501, 1510, 1511*
	Demand Tier - 3			
17	1500	$	0.212	*Demand * Charge / 10^6*
18	1501	$	-	
19	1510	$	0.044	
20	1511	$	0.202	
21	Total Demand Tier - 3	**$**	**0.458**	*Sum of 1500, 1501, 1510, 1511*
	Energy Part - 2			
34	1500	$	0.563	*kWh * Charge / 100 / 10^6*
35	1501	$	(0.001)	
36	1510	$	(0.016)	
37	1511	$	(0.027)	
38	**Total Energy Part -2**	**$**	**0.519**	*Sum of 1500, 1501, 1510, 1511*
39	**Total Revenue**	**$**	**22.526**	*Sum of Lines 5, 10, 15, 20, 31,36*

1.3.5 Determine the Tier 1 and Tier 2 Energy Rates to Collect the Residual Revenue

The tier 1 and tier 2 energy rates are set to maximize BC Hydro's movement toward flattened energy rates subject to maintaining revenue neutrality and not exceeding the four per cent bill impact threshold before CARC. The tier 1 and tier 2 energy rates are determined in BC Hydro's detailed account-specific rate model that calculates individual account bill impacts.

BC Hydro has included the Part 2 LRMC-based energy rate revenue impact as part of the residual revenue and the tier 1 and tier 2 rate flattening. This ensures that the combined bill impacts due to rate flattening and transfer to the two–part rate do not violate the 4 per cent before CARC maximum bill impact threshold at test year consumption. Note that although section 8 of the NSA does not contemplate the impact of the transfer of accounts to the two-part rate and its impact on rate flattening, BC Hydro's chosen approach is consistent with the pricing principles in the NSA and the LGS Rate Application. Section 8 of the NSA and the MGS pricing principles in the LGS Application (page 3-33) imply that the MGS rate flattening must have no more than 4 per cent maximum bill impact at test year consumption in F2013, F2014 and F2015.

The detailed rate model starts with tier 1 and tier 2 energy rates set equal to each other and at the level needed to maintain revenue neutrality. The detailed model then calculates the annual bill impact for all MGS accounts under the simple declining block MGS rate form (regardless of whether the account would actually be on the simple declining block or the two-part rate form). The model does this to assure that volatility impacts due to differences between actual usage and customer HBLs do not mask the bill impacts due to the rate changes.

If the detailed model determines that the maximum annual bill impact is greater than four per cent before CARC, then the tier-2 energy rate is reduced by one hundredth of a cent and the tier-1 energy rate is increased to maintain revenue neutrality. The process repeats until the maximum bill impact no longer exceeds the four per cent threshold.

The following steps outline the derivation of the F2013 MGS target revenue which is used in Table 5 to determine the residual revenue to be collected.

1. Target revenue is determined using the same general methodology used to determine forecast domestic revenue described in the Revenue Forecast section in Chapter 3 of the F2012-F2014 RRA. This is to ensure consistency between the F13 target revenue used here and the estimated F13 RRA rate increase and revenue used to derive it.
2. Total revenue under F11 rates is equal to the forecast F13 MGS kWh sales (3,382,402,002 kWh from Table 2) multiplied by the F11 MGS tariff rates approved by BCUC Order No. G-180-10.
3. The cumulative interim RRA increases between the F11 test year and the F13 target year, 8 per cent in F12 and 3.91 per cent in F13, are applied to the total revenue under F11 rates calculated in #1 above.
4. The interim rate rider for the target year is applied to the outcome of #2, resulting in the F13 target revenue.

These calculations are shown in the following table:

Table 5 F13 MGS Target Revenue

	F13 MGS Target Revenue			
			F13	Notes
1	Forecast kWh sales		3,382,402,002	
2				
	F13 TARGET REVENUE ($ million)			
4	Total Revenue under F11 rates		249.1	*Calculated MGS Revenue Forecast @F11 Tariff Rates*
5	F12 Interim Rate Increase (%)	8.00		
6	F13 Interim Rate Increase (%)	3.91		
7	F13 Total Target Revenue Excluding Rate Rider		279.5	*Row 4 x (1 + Row 5) x (1 + Row 6)*
8				
9	F13 Interim Rate Rider (%)	5.00		
10	F13 Rate Rider ($)		14.0	*Row 7 x Row 9*
11				
12	F13 Total Target Revenue Including Rate Rider		**$293.5**	*Row 7 + Row 10*

The target revenue including rate rider is $293.5 million for F2013 and is in line 1 in Table 6 below.

The F2013 CARC is based on the calculation used to determine the Net Bill Impact for F2013 (line 30) from Schedule 1, Appendix A of the Amended F12-F14 RRA (November 2011) but updated by using the 5 per cent rate rider approved by BCUC Order No. G-17-12. It is equal to 7.07 per cent, which is higher than the RRA increase of 3.91 per cent due to the April 2011 rate freeze.

Table 6 shows the calculation of the tier 1 energy rates, given the tier 2 energy rates determined by BC Hydro's detailed rate model. Subtracting the tier 2 energy revenue and the revenue from the other rate components (from line 39 of Table 4) from the target revenues including rate rider results in the residual revenue to be collected from the tier 1 energy rate. This is calculated in line 17 of Table 6.

Table 6 Calculation of Tier 1 Energy Rates with Rate Rider

			A F2013	Notes
	Calculation of Residual Revenue ($millions)			
1	Target Revenue	$	293.533	*Class Revenue Forecast from Table 5*
2	Revenue from other components	$	22.526	*Table 4, Line 39*
	Energy Tier - 2			
	Energy Tier - 2 kWh			
3	1500		1,053,619,453	*Table 2, Line 29*
4	1501		3,712,513	*Table 2, Line 30*
5	1510		14,641,550	*Table 2, Line 31*
6	1511		28,223,795	*Table 2, Line 32*
7	**Total Energy Tier -2 kWh**		**1,100,197,312**	*Sum of Sch1500 to 1511*
	Energy Tier-2 Rate (cents/kWh)			
8	1500		5.145	*From account-specific model*
9	1501		5.068	*Sch 1500 * (1-1.5%)*
10	1510		5.145	*Sch 1500*
11	1511		5.068	*Sch 1500 * (1-1.5%)*
	Energy Tier - 2 Revenue			
12	1500	$	54.209	*Line 3 * Line 8 / 100 / 10^6*
13	1501	$	0.188	*Line 4 * Line 9 / 100 / 10^6*
14	1510	$	0.753	*Line 5 * Line 10 / 100 / 10^6*
15	1511	$	1.430	*Line 6 * Line 11 / 100 / 10^6*
16	**Total Energy Tier -2 Revenue**	**$**	**56.581**	*Sum of Sch1500 to 1511*
17	Residual Revenue	*$*	*214.427*	*Line 1 - Line 2 - Line 16*
	Tier 1 Energy			
	Energy Tier - 1 kWh			
18	1500		*2,221,549,733*	*Table 2, Line 24*
19	1501		*5,631,899*	*Table 2, Line 25*
20	1510		*21,458,796*	*Table 2, Line 26*
21	1511		*28,322,464*	*Table 2, Line 27*
22	Total Energy Tier - 1		*2,276,962,893*	
	Proposed Schedule 1500 Tier 1 Rates			
23	Tier - 1 rate (cents/kWh)		*9.419*	*See note below*
	*Tier 1 Rate = Line 17 *100 * 10^6 / [Line 18 + Line 20 + (Line 19 + Line 21) * (1-1.5%)]*			

The calculation of the tier 1 rate uses the calibrated tier 1 energy billing determinants from Table 2 and the following formula:

Tier 1 Rate = Resid/ [Q1 + Q2 x (1-1.5%)]

Where Resid = Residual Revenue (line 17)

Q1 = Tier 1 sales for schedules 1500 and 1510

Q2 = Tier 1 sales for schedules 1501 and 1511

The resulting rates for all components are summarized in Table 7.

Table 7 MGS Rates including Rate Rider

		A	B	
Forecast Rates with Rate Rider				
	Basic Charge (cents per day)	Effective F12 w/ RR	**FY2013**	**Notes**
1	1500	18.993	20.213	*Table 3*
2	1501	18.708	19.909	*Table 3*
3	1510	18.993	20.213	*Table 3*
4	1511	18.708	19.909	*Table 3*
	Demand ($/kW-month)			
	Demand Tier - 1			
5	1500	-	-	
6	1501	-	-	
7	1510	-	-	
8	1511	-	-	
	Demand Tier - 2			
9	1500	4.623	4.925	*Table 3*
10	1501	4.553	4.851	*Table 3*
11	1510	4.373	4.675	*Table 3*
12	1511	4.303	4.601	*Table 3*
	Demand Tier - 3			
13	1500	8.877	9.450	*Table 3*
14	1501	8.743	9.308	*Table 3*
15	1510	8.627	9.200	*Table 3*
16	1511	8.493	9.058	*Table 3*
	Energy (cents/kWh)			
	Energy Tier - 1			
17	1500	8.938	9.419	*Table 6*
18	1501	8.804	9.278	*Sch 1500 * (1-1.5%)*
19	1510	8.938	9.419	*Sch 1500*
20	1511	8.804	9.278	*Sch 1500 * (1-1.5%)*
	Energy Tier - 2			
21	1500	4.551	5.145	*Table 6*
22	1501	4.483	5.068	*Sch 1500 * (1-1.5%)*
23	1510	4.551	5.145	*Sch 1500*
24	1511	4.483	5.068	*Sch 1500 * (1-1.5%)*
	Energy Part - 2			
25	1500		9.891	*Table 3*
26	1501		9.743	*Table 3*
27	1510		9.891	*Table 3*
28	1511		9.743	*Table 3*

Effective F12 w/RR are the tariff rates plus a 2.5% rate rider.

The target period revenue that would be collected from the MGS class under the calculated rates is summarized in Table 8. The table is derived by combining the billing determinants from Table 2 with the rates from Table 7.

Table 8 Calculated MGS Revenue

		A		
	Forecast Rate Revenues ($millions)			
	Basic Charge		**FY2013**	**Notes**
1	1500	$	1.1	*Acct Days*Charge/100/10^6*
2	1501	$	0.0	
3	1510	$	0.0	
4	1511	$	0.0	
5	Total Basic Charge	**$**	**1.1**	*Sum of 1500, 1501, 1510, 1511*
	Demand Revenue			
	Demand Tier - 1			
6	1500	$	-	*Demand * Charge / 10^6*
7	1501	$	-	
8	1510	$	-	
9	1511	$	-	
10	Total Demand Tier - 1	**$**	**-**	*Sum of 1500, 1501, 1510, 1511*
	Demand Tier - 2			
11	1500	$	20	*Demand * Charge / 10^6*
12	1501	$	0	
13	1510	$	0	
14	1511	$	0	
15	Total Demand Tier - 2	**$**	**20.4**	*Sum of 1500, 1501, 1510, 1511*
	Demand Tier - 3			
16	1500	$	0.2	*Demand * Charge / 10^6*
17	1501	$	-	
18	1510	$	0.0	
19	1511	$	0.2	
20	Total Demand Tier - 3	**$**	**0.5**	*Sum of 1500, 1501, 1510, 1511*
	Energy Revenue			
	Energy Tier - 1			
23	1500	$	209.3	*kWh * Charge/100 / 10^6*
24	1501	$	0.5	
25	1510	$	2.0	
26	1511	$	2.6	
27	Total Energy Tier - 1	**$**	**214.4**	*Sum of 1500, 1501, 1510, 1511*
	Energy Tier - 2			
28	1500	$	54.2	*kWh * Charge/100 / 10^6*
29	1501	$	0.2	
30	1510	$	0.8	
31	1511	$	1.4	
32	Total Energy Tier - 2	**$**	**56.6**	*Sum of 1500, 1501, 1510, 1511*
	Energy Part - 2			*Sum of rows 5, 10, 15, 20, 27, and 32*
33	1500	$	0.6	
34	1501	$	(0.0)	
35	1510	$	(0.0)	
36	1511	$	(0.0)	
37	Total Energy Part 2 (LRMC)	**$**	**0.5**	
38	**Total Revenue**	**$**	**293.5**	*Sum of rows 5, 10, 15, 20, 27, 32, and 37*
39	**Target Revenue**	**$**	**293.5**	*From Table 6*
	Difference		-	

1.3.6 Adjust Revenue for the Minimum Energy Charge

The MGS two-part rate includes a minimum energy charge provision. In cases when this provision is triggered, the revenue collected from that bill exceeds the revenues estimated in the pricing methodology above. The minimum energy charge, including rate rider, is 2.95 cents per kWh in F2013. In order to determine the amount of over-collection, BC Hydro calculates monthly bills for each account in the rate design subset using the rates from Table 7. By comparing the sum of the monthly account revenues with the target revenues, BC Hydro can calculate the over-collection. The over-collection is then increased by the calibration factor (refer to section 1.3.2) to reflect the fact that the rate design subset is smaller than the forecast MGS class for F2013. BC Hydro takes the calibrated over-collection and adjusts the target revenues downward to compensate.

Note that for F2013, any forecast over-collection is negligible, and too small to alter the initial rates. The adjusted rate steps are shown, however, because these steps may be needed in future years as the number of accounts on the two-part rate increases.

Table 9 Calculation of Part 1 Energy Rates Adjusted for Minimum Energy Charge

			A F2013	Notes
	Calculation of Residual Revenue ($millions)			
1	Target Revenue	$	293.5	*Class Revenue Forecast from Table 5*
1b	Min Energy Chg Overcollection	$	-	*From Detailed Account Model*
1c	Adjusted Target Revenue	$	293.5	*Line 1- Line 1b*
2	Revenue from other components	$	22.526	*Table 4, Line 37*
	Energy Tier - 2			
	Energy Tier - 2 kWh			
3	1500		1,053,619,453	*Table 2, Line 29*
4	1501		3,712,513	*Table 2, Line 30*
5	1510		14,641,550	*Table 2, Line 31*
6	1511		28,223,795	*Table 2, Line 32*
7	**Total Energy Tier -2 kWh**		**1,100,197,312**	*Sum of Sch1500 to 1511*
	Energy Tier-2 Rate (cents/kWh)			
8	1500		5.145	*Table 6*
9	1501		5.068	*Sch 1500 * (1-1.5%)*
10	1510		5.145	*Sch 1500*
11	1511		5.068	*Sch 1500 * (1-1.5%)*
	Energy Tier - 2 Revenue			
12	1500	$	54.209	*Line 3 * Line 8 / 100 / 10^6*
13	1501	$	0.188	*Line 4 * Line 9 / 100 / 10^6*
14	1510	$	0.753	*Line 5 * Line 10 / 100 / 10^6*
15	1511	$	1.430	*Line 6 * Line 11 / 100 / 10^6*
16	**Total Energy Tier -2 Revenue**	**$**	**56.581**	*Sum of Sch1500 to 1511*
17	Residual Revenue	*$*	*214.427*	*Line 1 - Line 2 - Line 16*
	Tier 1 Energy (kWh)			
	Energy Tier - 1 kWh			
18	1500		*2,221,549,733*	*Table 2, Line 24*
19	1501		*5,631,899*	*Table 2, Line 25*
20	1510		*21,458,796*	*Table 2, Line 26*
21	1511		*28,322,464*	*Table 2, Line 27*
22	Total Energy Tier - 1		*2,276,962,893*	
	Proposed Schedule 1500 Tier 1 Rates			
23	Tier - 1 rate (cents/kWh)		*9.419*	*See note below*

*Tier 1 Rate = Line 17 *100 * 10^6 / [Line 18 + Line 20 + (Line 19 + Line 21) * (1-1.5%)]*

Table 10 shows the rates. Since there is no over-collection due to the minimum energy charge, the Part 1 energy rates are not different from the rates shown in Table 7. When multiplied by the billing determinants in Table 2, the revenues that result are shown in Table 11

Table 10 MGS Rates (Adjusted for Minimum Energy Charges)

		A	B	
	Forecast Rates with Rate Rider			
	Basic Charge (cents per day)	Effective F12 w/ RR	**FY2013**	**Notes**
1	1500	18.993	20.213	*Table 3*
2	1501	18.708	19.909	*Table 3*
3	1510	18.993	20.213	*Table 3*
4	1511	18.708	19.909	*Table 3*
	Demand ($/kW-month)			
	Demand Tier - 1			
5	1500	-	-	
6	1501	-	-	
7	1510	-	-	
8	1511	-	-	
	Demand Tier - 2			
9	1500	4.623	4.925	*Table 3*
10	1501	4.553	4.851	*Table 3*
11	1510	4.373	4.675	*Table 3*
12	1511	4.303	4.601	*Table 3*
	Demand Tier - 3			
13	1500	8.877	9.450	*Table 3*
14	1501	8.743	9.308	*Table 3*
15	1510	8.627	9.200	*Table 3*
16	1511	8.493	9.058	*Table 3*
	Energy (cents/kWh)			
	Energy Tier - 1			
17	1500	8.938	9.419	*Table 7 & Table 9*
18	1501	8.804	9.278	*Sch 1500 * (1-1.5%)*
19	1510	8.938	9.419	*Sch 1500*
20	1511	8.804	9.278	*Sch 1500 * (1-1.5%)*
	Energy Tier - 2			
21	1500	4.551	5.145	*Table 7*
22	1501	4.483	5.068	*Sch 1500 * (1-1.5%)*
23	1510	4.551	5.145	*Sch 1500*
24	1511	4.483	5.068	*Sch 1500 * (1-1.5%)*
	Energy Part - 2			
25	1500		9.891	*Table 3*
26	1501		9.743	*Table 3*
27	1510		9.891	*Table 3*
28	1511		9.743	*Table 3*

Effective F12 w/RR are the tariff rates plus a 2.5% rate rider.

The target period revenue that would be collected from the MGS class under the calculated rates is summarized in Table 11. The table is derived by combining the billing determinants from Table 2 with the rates from Table 10.

Table 11 MGS Revenue from Adjusted Rates

		A		
	Forecast Rate Revenues ($millions)			
	Basic Charge	**FY2013**		**Notes**
1	1500	$	1.1	*Acct Days*Charge/100/10^6*
2	1501	$	0.0	
3	1510	$	0.0	
4	1511	$	0.0	
5	Total Basic Charge	**$**	**1.1**	*Sum of 1500, 1501, 1510, 1511*
	Demand Revenue			
	Demand Tier - 1			
6	1500	$	-	*Demand * Charge / 10^6*
7	1501	$	-	
8	1510	$	-	
9	1511	$	-	
10	Total Demand Tier - 1	**$**	**-**	*Sum of 1500, 1501, 1510, 1511*
	Demand Tier - 2			
11	1500	$	20	*Demand * Charge / 10^6*
12	1501	$	0	
13	1510	$	0	
14	1511	$	0	
15	Total Demand Tier - 2	**$**	**20.4**	*Sum of 1500, 1501, 1510, 1511*
	Demand Tier - 3			
16	1500	$	0.2	*Demand * Charge / 10^6*
17	1501	$	-	
18	1510	$	0.0	
19	1511	$	0.2	
20	Total Demand Tier - 3	**$**	**0.5**	*Sum of 1500, 1501, 1510, 1511*
	Energy Revenue			
	Energy Tier - 1			
23	1500	$	209.3	*kWh * Charge/100 / 10^6*
24	1501	$	0.5	
25	1510	$	2.0	
26	1511	$	2.6	
27	Total Energy Tier - 1	**$**	**214.4**	*Sum of 1500, 1501, 1510, 1511*
	Energy Tier - 2			
28	1500	$	54.2	*kWh * Charge/100 / 10^6*
29	1501	$	0.2	
30	1510	$	0.8	
31	1511	$	1.4	
32	Total Energy Tier - 2	**$**	**56.6**	*Sum of 1500, 1501, 1510, 1511*
	Energy Part - 2			
33	1500	$	0.6	*kWh * Charge/100 / 10^6*
34	1501	$	(0.0)	
35	1510	$	(0.0)	
36	1511	$	(0.0)	
37	Total Energy Part - 2	**$**	**0.5**	*Sum of 1500, 1501, 1510, 1511*
38	**Total Revenue**	**$**	**293.5**	*Sum of rows 5, 10, 15, 20, 27, 32, 37*
39	**Target Revenue**	**$**	**293.5**	*From Table 6*

1.4 Tariff Rates

The calculated MGS rates shown in Table 10 above include the effect of the rate rider in order to reflect the total revenues from the MGS class. The rate rider is applied after an initial bill is calculated based on the tariffs, and thus the rates calculated and shown in Table 10 are effective rates. Lines 9 to 15 in Table 12 convert the effective rates reported in Table 10 to tariff rates (i.e., as would be seen in the applicable rate schedules). Note that because the tariff rates shown in Table 12 are net of the rate rider, these tariff rates would not change it the rate rider were to differ from the values used in this Appendix. In other words, there would be no need to revise the tariff rates for a change in rate rider levels.

Consistent with the tariff, Table 12 only shows the rates for RS 1500 because the rates for RS 1501, 1510 and 1511 are simple derivations from RS 1500. The revenue from these tariff rates and the separate rate rider adjustment are the same as the class revenue collections in line 38 of Table 11.

Table 12 MGS Tariff Rates

		A	B	
	Compliance Filing Rates			
		F2012	**F2013**	**Notes**
	Schedule 1500 tariff rates plus rate rider			
1	**Basic Charge (cents per day)**	18.99	20.21	*Table 10 Line 1*
	Demand ($/kW-month)			
2	Demand Tier - 1	-	-	*Table 10 Line 5*
3	Demand Tier - 2	4.62	4.92	*Table 10 Line 9*
4	Demand Tier - 3	8.88	9.45	*Table 10 Line 13*
	Energy Part-1 Rate (cents/kWh)			
5	Energy Tier - 1	8.94	9.42	*Table 10 Line 17*
6	Energy Tier - 2	4.55	5.15	*Table 10 Line 21*
7	**Energy Part 2 (LRMC) Rate (cents/kW**	**N/A**	9.89	*Table 10 Line 25*
8	**Minimum Energy Charge (cents/kWh**	2.77	2.95	
9	Annual Rate Rider	*2.5%*	*5.0%*	
	Schedule 1500 tariff rates (that exclude the rate rider)			
10	**Basic Charge (cents per day)**	**18.53**	**19.25**	*Line 1 / (1 + Line 9)*
	Demand ($/kW-month)			
11	Demand Tier - 1		-	*Line 2 / (1 + Line 9)*
12	Demand Tier - 2	**4.51**	**4.69**	*Line 3 / (1 + Line 9)*
13	Demand Tier - 3	**8.66**	**9.00**	*Line 4 / (1 + Line 9)*
	Energy Part-1 Rate (cents/kWh)			
14	Energy Tier - 1	**8.72**	**8.97**	*Line 5 / (1 + Line 9)*
15	Energy Tier - 2	**4.44**	**4.90**	*Line 6 / (1 + Line 9)*
16	**Energy Part 2 (LRMC) Rate (cents/kW**	**N/A**	**9.42**	*Line 7 / (1 + Line 9)*
17	**Minimum Energy Charge (cents/kWh**	**2.70**	**2.81**	*Line 8 / (1 + Line 9)*

F2012 Rates are shown for comparison purposes. They are not derived in this analysis.

2 F2013 LGS Rate Calculation Methodology

2.1 Introduction

This section describes the methodology used to calculate the LGS rates for F2013 that reflect the 3.91 per cent interim rate increase approved by BCUC Order No. G-17-12. The methodology is consistent with the LGS pricing methodology to calculate revenue neutral rates outlined in Appendix O of BC Hydro's LGS Rate Application filed on October 16, 2009. The LGS pricing methodology is embedded in BC Hydro's LGS Rate Model which calculates the Part 1 energy rates.

2.2 Billing Data for the LGS Rate Model

The LGS Rate model uses F2011 billing data for the test year. This data consists of billing kW and kWh, calendarized on a monthly basis[4]. Raw LGS billing data is adjusted by eliminating accounts that 1) are missing kWh consumption or demand in any month of F2011, 2) have no HBL (April to September) or forecasted HBL (October to March) available in any month for F2013, 3) have non-zero kWh consumption coincident with zero kW demand in any month of F2011, 4) have negative kW demand in any tier in any month of F2011, or 5) have non-zero kW demand coincident with zero kW demand in a lower tier in any month of F2011. "New" accounts with service commencement dates in F2011 are not included in the LGS rate model since the behaviour of new accounts is difficult to predict, and their presence has a small effect on the rate calculation.

The F2011 billing determinants (i.e., energy consumption levels at tier 1 and tier 2 energy rates, associated MW of peak load, and days of service) are scaled and calibrated to match the total energy in the load forecast for F2013. The scaling and calibration adjustments are discussed in more detail in section 2.3.1.1 and section 2.3.2.

2.3 General Description of the LGS Pricing Methodology

Six steps are used in the LGS Rate Model to calculate the LGS rates and are summarized in this section. The term "billing determinants" as used in this appendix refers to account data, such as kWh consumed at the Part 1 (tier 1, tier 2) level, kWh consumed at the Part 2 level, etc. that are required to calculate an account's bill.

The following six steps summarize the calculation of revenue neutral rates:

1. Determine a full year of billing determinants from the April 2010 through March 2011 subset of account data, and scale the energy kWh and demand kW using the forecast sales growth percentage for the forecast period.

[4] BC Hydro calendarizes the billing data because the monthly billing periods do not correspond with the calendar months. BC Hydro does this by taking into account the number of days in each billing period that fall in a calendar month and by prorating the data accordingly.

2. Calibrate the billing determinants to match BC Hydro's March 2011 forecast of LGS sales for F2013.

3. Determine the forecast basic and demand rates based on the F2013 RRA rate increase and Rate Rider. The Part-2 LRMC-based energy rate is from the LGS Rate Application and approved by BCUC Order No. G-110-10.

4. Calculate the forecast revenues from the basic, demand, and part-2 LRMC-based energy rate.

5. Solve for the LGS Part 1 energy rates to collect the forecast target revenue less the forecast revenues from the basic, demand, and Part-2 LRMC-based energy rates. Maintain the ratio between the tier-1 and tier-2 part-1 energy rates. Effectively, the tier-1 and tier-2 energy rates are adjusted by the same percentage so that the forecast Part 1 energy target revenue is collected.

6. If necessary, calculate any differences between the target revenues and the total estimated revenues for all accounts due to the Minimum Energy Charge. Subtract that amount from the forecast target revenue used in step 5 then repeat step 5.

Each of these steps is described in more detail below.

2.3.1 Determine the Forecast Billing Determinants and HBLs

2.3.1.1 Determine Scaled Billing Determinants

The billing determinants are calculated using an account-specific rate calculation spreadsheet. The spreadsheet calculates billing determinants for each account in the LGS rate design account data set described in section 2.2. Two adjustments are made to the recorded billing data in calculating the forecast period rates. The first adjustment is to scale each account's monthly energy and demand to reflect forecast sales growth for the LGS class. These energy and demand values are referred to as "scaled." The scaling factor is (1) BC Hydro's March 2011 load forecast for F2013 for ELGS accounts[5]

[5] BC Hydro refers to ELGS accounts as "Existing Large General Service" accounts that take service under RS 1200, 1201, 1210 and 1211 and have monthly peak demand in excess of 35 kW.

that is net of rates and DSM, divided by (2) the total April 2010 through March 2011 sales for ELGS accounts. The scaling factor equals 1.00889 (14,306 GWh/14,180 GWh). Note that the ELGS sales in item (2) are tracked in BC Hydro's load forecast. BC Hydro used the load forecast for ELGS accounts (which include all accounts in the 15xx, 16xx and 12xx rate classes) because at this time, BC Hydro does not have enough information to produce separate load forecasts for each of these classes as the MGS and LGS rates were just implemented in January 2011.

Summarized below are each of the billing determinants, and their respective calculation methods. The totals of the billing determinants from this account subset are shown in Table 13.

Basic Charge

The billing determinant for the basic charge is the sum of the number of accounts in the rate design subset, multiplied by 365 days in the year.

Demand Charge

The LGS rate structure has separate charges in each month for demand of zero to 35 kW (tier 1); above 35 and up to 150 kW (tier 2); and over 150 kW (tier 3). Each account's April 2010 through March 2011 demand is scaled upward for sales growth in the forecast years then used to determine total class demand at tier 1, tier 2, and tier 3.

The scaled demand for each account is assigned to the appropriate tier as follows:

- if an account's peak scaled demand in a given monthly billing period is less than or equal to 35 kW all its scaled demand in that period is assigned to tier 1.
- if an account's peak scaled demand in a given monthly billing period is less than 150 kW, then 35 kW of demand is assigned to tier 1 in that period, and its total

scaled demand minus 35 kW (up to a max of 115 kW) is assigned to tier 2 in that period.

- if an account's peak scaled demand in a given monthly billing period is greater than or equal to 150 kW then 35 kW of demand is assigned to tier 1 in that period, 115 kW is assigned to tier 2 in that period, and its total scaled demand minus 150 kW is assigned to tier 3 in that period.

Each account's scaled demand for each tier is summed over each month in the period to determine the tier 1, tier 2, and tier 3 demand billing determinants for each period.

Metering and Transformation Discounts

Accounts on RS 1610 and 1611 are given a discount of 25¢ per billing period per kW of billing demand for supplying transformation from a primary potential to a secondary potential. In addition, accounts on RS 1601 and 1611 receive a 1.5 per cent reduction to their bill because their supply of electricity is metered at a primary potential. Demand loads for these rate schedules are tracked separately to allow proper assignment of the 25¢ per kW and 1.5 per cent discounts.

Tier 1 and Tier 2 Energy Usage

Tier 1 and tier 2 energy usage for the purposes of modelling and determining revenue neutral tier 1 and tier 2 rates are an account's HBLs for that period that include any adjustments for usage outside of the Price Limit Bands (refer to ***Part 2 LRMC-based Energy Usage*** section that follows). The HBLs are allocated to tier 1 and tier 2 as follows:

- if an account's HBL is at or below 14,800 kWh in a given monthly billing period, the HBL is assigned to tier 1.
- if an account's HBL in a given monthly billing period is greater than 14,800 kWh, then 14,800 kWh is assigned to tier 1, and the balance is assigned to tier 2 in that billing period.

- The allocated Tier 1 and Tier 2 HBL energy is then adjusted for usage outside of the Price Limit Bands, to reflect the net amount of Tier 1 and Tier 2 usage, as follows:
- If the scaled usage in a month is greater than 120 per cent of the scaled HBL, then tier 1 energy is increased by the larger of (1) 14,800 – 120 per cent x HBL, or (2)0. Tier 2 energy is also adjusted so that the sum of tier 1 plus tier 2 plus part-2 energy equals the scaled usage for the month.
- If the scaled usage in a month is less than 80 per cent of the scaled HBL, then tier 2 energy is reduced by the larger of (1) 80 per cent x HBL – 14,800, or (2)0. Tier 1 energy is also adjusted so that the sum of tier 1 plus tier 2 plus part-2 energy equals the scaled usage for the month.

Tier 1 and tier 2 energy are summed over the months in April 2012 through March 2013 to determine the total class energy at tier 1 and tier 2. Accounts on RS 1601 and 1611 are tracked separately to allow the 1.5 per cent bill reduction to be applied to those accounts.

Part 2 LRMC-based Energy Usage

Part 2 LRMC-based energy usage is the account's forecast period scaled energy usage in the month minus the account's scaled HBL for the corresponding month, up to and including the portion of energy within the price limit band. The Part 2 LRMC-based energy can be positive or negative. For the months April through September 2012, the HBLs are the average of initial HBL usage and the corresponding monthly usage in 2011. October through December HBLs are the average of the initial HBL and the forecasted October through December usage. January through March 2013 HBLs are the average of initial HBL, the corresponding actual usage in 2011, and the corresponding forecasted usage in 2012. This is the second part of the phase-in from initial HBLs to rolling three-year average HBLs.

Initial HBLs are equal to the average of each account's monthly usage in either calendar years 2005, 2006, and 2007, or from July 2007 to June 2010. The choice of the initial HBL is determined by whichever of the two options has higher historical consumption. In calculating the averages, zero or partial usage reads occurring prior to, or in the same month as an account's 'move in date' are excluded. In this way the averages are not biased downward for accounts that begin service after January 2005.

Actual usage data is available through September 2011. October 2011 to March 2012 usage, for the purpose of calculating HBLs, is a customer's October 2010 through March 2011 usage, multiplied by a scale factor to reflect forecast sales growth for the LGS class in F2012. The scaling factor used to estimate F12 consumption is the ELGS class's F12 forecast divided by the ELGS class's F11 actual usage. The scaling factor equals 1.0246 (14,529 GWh/14,180 GWh).

The scaling factor used to forecast the F2013 actual consumption by account, which is used to compare with the monthly HBLs to calculate part-2 consumption, is (1) BC Hydro's March 2011 load forecast for F2013 for ELGS accounts that is net of rates and DSM, divided by (2) the total April 2010 through March 2011 sales for ELGS accounts. The scaling factor equals 1.00889 (14,306 GWh/14,180 GWh).

The modelled billing determinants also reflect the 80:120 price limit band. The Price Limit Band limits the kWh billed or credited at the Part 2 rates to no more than 20 per cent of the HBL. Any usage outside the price limit bands are applied to the Part 1 tier 1 and tier-2 rates as described in the ***Tier 1 and Tier 2 Energy Usage*** section that was previous to this section.

Table 13 F2013 Scaled Billing Determinants

		A
	Account Subset Billing Determinants	
	Number of Accounts	**F2013**
1	1600	3,530
2	1601	84
3	1610	1,004
4	1611	943
5	Total Accounts	**5,561**
	Demand	
	Demand Tier - 1 (kW)	
7	1600	1,477,412
8	1601	35,094
9	1610	420,888
10	1611	395,125
11	Total Demand Tier 1	**2,328,518**
	Demand Tier - 2 (kW)	
12	1600	4,213,319
13	1601	101,305
14	1610	1,342,774
15	1611	1,254,299
16	Total Demand Tier 2	**6,911,696**
	Demand Tier - 3 (kW)	
17	1600	2,745,938
18	1601	147,203
19	1610	3,577,376
20	1611	8,437,290
21	Total Demand Tier 3	**14,907,807**
22	**Sum of Demand (kW)**	**24,148,022**
	Energy	
23	Energy Tier 1 kWh	
24	1600	616,988,276
25	1601	14,391,008
26	1610	177,251,530
27	1611	166,825,844
28	Total Energy Tier 1	**975,456,659**
	Energy Tier 2 kWh	
29	1600	2,778,902,872
30	1601	89,115,210
31	1610	1,984,508,189
32	1611	4,093,200,106
33	Total Energy Tier 2	**8,945,726,377**
	Energy Part 2 (LRMC) kWh	
34	1600	(49,770,242)
35	1601	(2,265,441)
36	1610	(38,652,287)
37	1611	(119,185,662)
38	Total Energy Part 2 (LRMC)	**(209,873,633)**
39	Total LGS Energy (kWh)	**9,711,309,403**

2.3.2 Calculate the Scaled and Calibrated Billing Determinants

A calibration step is required to adjust the scaled billing determinants to the forecast period billing determinants. The calibration step uniformly increases all billing

determinants upward to compensate for LGS accounts that were excluded from the rate design model because of incomplete data. The resulting billing determinants are referred to as “scaled and calibrated.”

The calibration factor is (1) BC Hydro’s March 2011 load forecast for F2013 for LGS accounts that is net of rates and DSM, divided by (2) the total April 2010 through March 2011 sales for LGS accounts in the rate design subset of accounts. The calibration factor equals 1.08144 (10,502 GWh/9,711 GWh). Table 14 shows the final scaled and calibrated forecast fiscal year billing determinants. The calibration factor is shown in row 40 of Table 14.

Table 14 Billing Determinants Scaled and Calibrated for Forecast Periods

		A	
	Total LGS Class Forecast Calibrated Billing Determinants		
	Account Days	**F2013**	**Notes**
1	1600	1,393,384	*Table 13 * Row 40*365*
2	1601	33,157	
3	1610	396,305	
4	1611	372,227	
5	Total Account Days	**2,195,074**	
	Calibrated Demand		
	Demand Tier - 1 (kW)		
7	1600	1,597,735	*Table 13 * Row 40*
8	1601	37,952	
9	1610	455,166	
10	1611	427,305	
11	Total Demand Tier 1	**2,518,158**	
	Demand Tier - 2 (kW)		
12	1600	4,556,461	
13	1601	109,556	
14	1610	1,452,132	
15	1611	1,356,452	
16	Total Demand Tier 2	**7,474,601**	
	Demand Tier - 3 (kW)		
17	1600	2,969,574	
18	1601	159,192	
19	1610	3,868,725	
20	1611	9,124,442	
21	Total Demand Tier 3	**16,121,934**	
22	**Sum of Demand (kW)**	**26,114,693**	
	Calibrated Energy		
23	Energy Tier 1 kWh		
24	1600	667,237,244	
25	1601	15,563,045	
26	1610	191,687,310	
27	1611	180,412,531	
28	Total Energy Tier 1	**1,054,900,129**	
	Energy Tier 2 kWh		
29	1600	3,005,223,219	
30	1601	96,372,961	
31	1610	2,146,131,175	
32	1611	4,426,559,892	
33	Total Energy Tier 2	**9,674,287,248**	
	Energy Part 2 (LRMC) kWh		
34	1600	(53,823,647)	
35	1601	(2,449,944)	
36	1610	(41,800,220)	
37	1611	(128,892,421)	
38	Total Energy Part 2 (LRMC)	**(226,966,232)**	
39	Total LGS Energy (kWh)	**10,502,221,145**	
40	Calibration Factor	1.081442338	

2.3.3 Determine the Basic, Demand, and Part-2 LRMC-based Energy Rates

To obtain the F2013 basic and demand rates with rate rider, BC Hydro applies the 3.91 per cent F2013 interim RRA increase to the F2012 (May 2011) basic and demand tariff rates and multiplies this by the F2013 5 per cent rate rider.

Table 15 shows the calculation of the F2013 basic and demand rates with rate rider. The table also shows the Part-2 energy rates with rate rider.

In F2013, as per Table 1-4 of the LGS Rate Application and approved by BCUC Order No. G-110-10, the Part 2 LRMC-based energy rate will be 9.42 cents/kWh without the rate rider. This equals 9.89 cents/kWh with the 5 per cent rate rider.

Table 15 Basic, Demand and Part 2 LRMC-based Energy Rates with Rate Rider

		A	B	C	
	Proposed Rates, other than Part-1 Energy				
		F2012 Tariff	**Effective F12**		
	Basic Charge (cents per day)	**Rates**	**w/ RR**	**F2013**	**Notes**
1	1600	18.530	18.99	20.213	*Prior Yr * (1+RRA) * (1+RR) / (1+PrevRR)*
2	1601		18.708	19.909	*Sch 1600 * (1-1.5%)*
3	1610		18.993	20.213	*Sch 1600*
4	1611		18.708	19.909	*Sch 1600 * (1-1.5%)*
	Demand ($/kW-month)				
	Demand Tier - 1 (kW)				
7	1600	-	-		*Prior Yr * (1+RRA) * (1+RR) / (1+PrevRR)*
8	1601				*Sch 1600 * (1-1.5%)*
9	1610				*Sch 1600*
10	1611				*Sch 1600 * (1-1.5%)*
	Demand Tier - 2 (kW)				
12	1600	4.510	4.62	4.925	*Prior Yr * (1+RRA) * (1+RR) / (1+PrevRR)*
13	1601		4.553	4.851	*Sch 1600 * (1-1.5%)*
14	1610		4.373	4.675	*Sch 1600 - 0.25*
15	1611		4.303	4.601	*Sch 1600 * (1-1.5%) - 0.25*
	Demand Tier - 3 (kW)				
17	1600	8.660	8.88	9.450	*Prior Yr * (1+RRA) * (1+RR) / (1+PrevRR)*
18	1601		8.743	9.308	*Sch 1600 * (1-1.5%)*
19	1610		8.627	9.200	*Sch 1600 - 0.25*
20	1611		8.493	9.058	*Sch 1600 * (1-1.5%) - 0.25*
21	**Energy Part 2 (LRMC) Rate (cents/kWh)**				
22	1600	6.680	6.85	9.8910	*Inputs*
23	1601		6.744	9.743	*Sch 1600 * (1-1.5%)*
24	1610		6.597	9.891	*Sch 1600*
25	1611		6.494	9.743	*Sch 1600 * (1-1.5%)*
26	Rate Rider (RR)		2.50%	5.00%	
27	RRA			3.91%	

2.3.4 Determine the Revenues from the Rates Components other than Tier 1 and Tier 2 Energy

The forecast revenues that result from the rates in Table 15 are shown in Table 16. These revenues are simply the product of the forecast period billing determinants from Table 14 and the rates from Table 15, expressed in millions of dollars.

Table 16 Forecast Revenue from Rate Components other than Part 1 Energy

		A	
	Proposed Rate Revenues, other than Part-1 Energy ($millions)		
	Basic Charge	**F2013**	**Notes**
1	1600	$ 0.3	*Acct Days*Charge/100/10^6*
2	1601	$ 0.0	
3	1610	$ 0.1	
4	1611	$ 0.1	
5	Total Basic Charge	**$ 0.4**	*Sum of 1600, 1601, 1610, 1611*
	Demand		
	Demand Tier - 1		
7	1600	$ -	*Demand * Charge / 10^6*
8	1601	$ -	
9	1610	$ -	
10	1611	$ -	
11	Total Demand Tier-1	**$ -**	*Sum of 1600, 1601, 1610, 1611*
	Demand Tier - 2		
12	1600	$ 22.4	*Demand * Charge / 10^6*
13	1601	$ 0.5	
14	1610	$ 6.8	
15	1611	$ 6.2	
16	Total Demand Tier 2	**$ 36.0**	*Sum of 1600, 1601, 1610, 1611*
	Demand Tier - 3		
17	1600	$ 28.1	*Demand * Charge / 10^6*
18	1601	$ 1.5	
19	1610	$ 35.6	
20	1611	$ 82.7	
21	Total Demand Tier 3	**$ 147.8**	*Sum of 1600, 1601, 1610, 1611*
	Energy Part 2 (LRMC) Rate		
22	1600	$ (5.3)	*Energy *Charge / 100 / 10^6*
23	1601	$ (0.2)	
24	1610	$ (4.1)	
25	1611	$ (12.6)	
26	Total Part 2 (LRMC) Energy	**$ (22.3)**	*Sum of 1600, 1601, 1610, 1611*
27	Subtotal	**$ 162.0**	*Sum of rows 5, 11, 16, 21, and 26*

2.3.5 Calculate the Tier 1 and Tier 2 Energy Rates to Collect the Residual Revenue

BC Hydro designs the new rates to maintain the original ratio "beta" that existed between these rates in F2012 (tier 2/tier 1 = "beta"). BC Hydro also derives the rates so that the Tier 1 and Tier 2 energy revenues after application of the 1.5 per cent primary discount collect the residual revenue that is needed to maintain revenue neutrality. Table 18 shows the calculation of the Tier 1 and Tier 2 energy rates. The residual revenue to be collected from the Tier 1 and Tier 2 energy rates is the total F2013 LGS target revenue less the revenue from the other rate components (from Table 16). The residual revenue is shown on line 3 of Table 18.The following steps outline the derivation of the F2013 LGS target revenue which is used in Table 18 to determine the residual revenue to be collected.

1. Target revenue is determined using the same general methodology used to determine forecast domestic revenue described in the Revenue Forecast section in Chapter 3 of the F2012-F2014 RRA. This is to ensure consistency so that the F13 target revenue used here is consistent with the estimated F13 RRA rate increase and revenue used to derive it.
2. Total revenue under F11 rates is equal to the forecast F13 LGS kWh sales (10,502,221,145 kWh from Table 14) multiplied by the F11 LGS tariff rates approved by BCUC Order No. G-180-10.
3. The cumulative interim RRA increases between the F11 test year and the F13 target year, 8 per cent in F12 and 3.91 per cent in F13, are applied to the total revenue under F11 rates calculated in #1 above.
4. The interim rate rider for the target year is applied to the outcome of #2, resulting in the F13 target revenue.

These calculations are shown in the following table.

Table 17 F2013 LGS Target Revenue

	F13 LGS Target Revenue			
			F13	Notes
1	Forecast kWh sales		10,502,221,145	
2				
	F13 TARGET REVENUE ($ million)			
3	Total Revenue under F11 rates		612.9	*Calculated LGS Revenue Forecast @F11 Tariff Rates*
4	F12 Interim Rate Increase (%)	8.00		
5	F13 Interim Rate Increase (%)	3.91		
6	F13 Total Target Revenue Excluding Rate Rider		687.8	*Row 3 x (1 + Row 4) x (1 + Row 5)*
7	F13 Interim Rate Rider (%)	5.00		
8	F13 Rate Rider ($)		34.4	*Row 6 x Row 7*
9	F13 Total Target Revenue Including Rate Rider		$722.2	*Row 6 + Row 8*

Table 18 Calculation of Tier 1 and Tier 2 Energy Rates with Rate Rider (Before Minimum Energy Charge Adjustment)

			A F2013	Notes
	Calculation of Residual Revenue ($millions)			
1	Target Revenue	$	722.2	*Class Revenue Forecast*
2	Revenue from other components	$	162.0	*Table 16, Line 27*
3	Residual Revenue (Line 1 - Line 2)	$	560.2	
	Part-one Energy using Baseline quantities (kWh)			
	Energy Tier 1 kWh			
4	1600		667,237,244	*Table 14, Line 24*
5	1601		15,563,045	*Table 14, Line 25*
6	1610		191,687,310	*Table 14, Line 26*
7	1611		180,412,531	*Table 14, Line 27*
8	Total Energy Tier 1		1,054,900,129	
	Energy Tier 2 kWh			
9	1600		3,005,223,219	*Table 14, Line 29*
10	1601		96,372,961	*Table 14, Line 30*
11	1610		2,146,131,175	*Table 14, Line 31*
12	1611		4,426,559,892	*Table 14, Line 32*
13	Total Energy Tier 2		9,674,287,248	
	F12 Rates with Rate Rider (cents per kWh)			
14	Tier-1	9.07		*F12 Tariff w/ RR*
15	Tier-2	4.37		*F12 Tariff w/ RR*
16	beta (Tier2 / Tier 1)	0.481		
	Proposed Schedule 1600 Part one Rates			
17	Tier 1 rate (cents/kWh)		9.870	*See note below*
18	Tier 2 Rate (cents/kWh)		4.751	*See note below*

*Tier 1 Rate = Line 3 * 10^6 / (Line 8 - (Line 5 + Line 7) * 1.5% + beta *(Line 13 -(Line 10 + Line 12) * 1.5%))*100*

*Tier 2 Rate = Tier 1 Rate * beta*

The Tier 1 and Tier 2 energy rates are set to collect the Residual Revenue (the LGS class target revenue less the revenues forecast to be collected from the other LGS rate components). The design of these energy rates maintains the F2012 ratio of the tier-2 rate to the tier-1 rate. This allows the tier-1 rate to be derived directly, and the tier-2 rate to be calculated as the tier-1 rate multiplied by the existing tier rate ratio.

The calculation of the tier 1 rate uses the following formula:

T1 Rate = Residual Revenue/(Q1 – QP1 x 1.5% + beta x (Q2 – QP2 x 1.5%))

Where:

Q1 = Total Tier 1 sales

QP1 = Tier 1 sales for schedules 1601 and 1611

Beta = F2012 Tier 2 rate/F2012 Tier 1 rate

Q2 = Total Tier 2 sales

QP2 = Tier 2 sales for schedules 1601 and 1611

Residual Revenue is from line 3 of Table 18.

Once the tier-1 rate is calculated, the tier-2 rate is set at the tier-1 rate multiplied by beta. The resulting rates for all elements for F13 are summarized in Table 19.

Table 19 LGS F2013 Rates with Rate Rider (Before Minimum Energy Charge Adjustment)

	Basic Charge (cents per day)	F2013	Notes
1	1600	20.213	*From Table 15*
2	1601	19.909	*From Table 15*
3	1610	20.213	*From Table 15*
4	1611	19.909	*From Table 15*
	Demand ($/kW-month)		
	Demand Tier - 1		
7	1600	-	*From Table 15*
8	1601	-	*From Table 15*
9	1610	-	*From Table 15*
10	1611	-	*From Table 15*
	Demand Tier - 2		
12	1600	4.925	*From Table 15*
13	1601	4.851	*From Table 15*
14	1610	4.675	*From Table 15*
15	1611	4.601	*From Table 15*
	Demand Tier - 3		
17	1600	9.450	*From Table 15*
18	1601	9.308	*From Table 15*
19	1610	9.200	*From Table 15*
20	1611	9.058	*From Table 15*
	Energy (cents per kWh)		
23	Energy Tier 1		
24	1600	9.870	*From Table 18*
25	1601	9.722	*Sch 1600 * (1-1.5%)*
26	1610	9.870	*Sch 1600*
27	1611	9.722	*Sch 1600 * (1-1.5%)*
	Energy Tier 2		
29	1600	4.751	*From Table 18*
30	1601	4.680	*Sch 1600 * (1-1.5%)*
31	1610	4.751	*Sch 1600*
32	1611	4.680	*Sch 1600 * (1-1.5%)*
34	**Energy Part 2 (LRMC) Rate (cents/kWh)**		
35	1600	9.891	*From Table 15*
36	1601	9.743	*Sch 1600 * (1-1.5%)*
37	1610	9.891	*Sch 1600*
38	1611	9.743	*Sch 1600 * (1-1.5%)*
39			

The modelled forecast period revenue that would be collected from the LGS class is summarized in Table 20. The table is derived by combining the billing determinants from Table 14 with the rates from Table 19.

Table 20 Modelled LGS Revenue (Before Minimum Energy Adjustment)

	Basic Charge		F2013	Notes
1	1600	$	0.3	*Acct Days*Charge/100/10^6*
2	1601	$	0.0	
3	1610	$	0.1	
4	1611	$	0.1	
5	Total Basic Charge	**$**	**0.4**	*Sum of 1600, 1601, 1610, 1611*
	Demand			
	Demand Tier - 1			
7	1600	$	-	*Demand * Charge / 10^6*
8	1601	$	-	
9	1610	$	-	
10	1611	$	-	
11	Total Demand Tier-1	**$**	-	*Sum of 1600, 1601, 1610, 1611*
	Demand Tier - 2			
12	1600	$	22.4	*Demand * Charge / 10^6*
13	1601	$	0.5	
14	1610	$	6.8	
15	1611	$	6.2	
16	Total Demand Tier 2	**$**	**36.0**	*Sum of 1600, 1601, 1610, 1611*
	Demand Tier - 3			
17	1600	$	28.1	*Demand * Charge / 10^6*
18	1601	$	1.5	
19	1610	$	35.6	
20	1611	$	82.7	
21	Total Demand Tier 3	**$**	**147.8**	*Sum of 1600, 1601, 1610, 1611*
	Energy			
23	Energy Tier 1			
24	1600	$	65.9	*kWh * Charge/100 / 10^6*
25	1601	$	1.5	
26	1610	$	18.9	
27	1611	$	17.5	
28	Total Energy Tier 1	**$**	**103.8**	*Sum of 1600, 1601, 1610, 1611*
	Energy Tier 2			
29	1600	$	142.8	*kWh * Charge/100 / 10^6*
30	1601	$	4.5	
31	1610	$	102.0	
32	1611	$	207.1	
33	Total Energy Tier 2	**$**	**456.4**	*Sum of 1600, 1601, 1610, 1611*
34	**Part 2 (LRMC) Energy**			
35	1600	$	(5.3)	*kWh * Charge/100 / 10^6*
36	1601	$	(0.2)	
37	1610	$	(4.1)	
38	1611	$	(12.6)	
39	Total Part 2 (LRMC) Energy	**$**	**(22.3)**	*Sum of 1600, 1601, 1610, 1611*
40	**Total Revenue**	**$**	**722.20**	*Sum of rows 5, 11, 16, 21, 28, 33 and 39*
41	**Target Revenue**	**$**	**722.20**	*From Table 18*

2.3.6 Adjust Revenue for the Minimum Energy Charge

The LGS Rate includes a minimum energy charge provision. In cases when this provision is triggered, the revenue collected from that bill exceeds the revenues estimated in the pricing methodology above. The minimum energy charge, including rate rider, is 2.95 cents per kWh in F2013. In order to determine the amount of over-collection, BC Hydro calculates monthly bills for each account in the rate design subset using the rates from Table 19. By comparing the sum of the monthly account revenues with the target revenues, BC Hydro can calculate the over-collection. The over-collection is then increased by the calibration factor (refer to section 2.3.2) to reflect the fact that the rate design subset is smaller than the forecast LGS class for F2013. BC Hydro takes the calibrated over-collection and adjusts the target revenues downward to compensate. Table 21 shows the original target revenue in line 1, the calibrated over- collection in line 1b, and the adjusted target revenue in line 1c. The other calculations are the same as in Table 18, and result in the Tier 1 and Tier 2 rates shown in lines 17 and 18 of Table 21.

Table 21 Calculation of Tier 1 and Tier 2 Energy Rates Adjusted for Minimum Energy Charge

		A	B	
			F2013	Notes
	Calculation of Residual Revenue ($millions)			
1	Target Revenue	$	722.2	*Table 18*
1b	Min Energy Chg Overcollection	$	1.74	*From LGS Model*
1c	Adjusted Target Revenue	$	720.5	*Line 1- Line 1b*
2	Revenue from other components	$	162.0	*Table 16 Line 27*
3	Residual Revenue	$	558.49	*Line 1c - Line 2*
	Net Tier 1 and Tier 2 Energy incorporating Baseline and Part 2 quantities outside of the price limit band (kWh)			
	Energy Tier 1 kWh			
4	1600		667,237,244	*Table 14, Line 24*
5	1601		15,563,045	*Table 14, Line 25*
6	1610		191,687,310	*Table 14, Line 26*
7	1611		180,412,531	*Table 14, Line 27*
8	Total Energy Tier 1		1,054,900,129	
	Energy Tier 2 kWh			
9	1600		3,005,223,219	*Table 14, Line 29*
10	1601		96,372,961	*Table 14, Line 30*
11	1610		2,146,131,175	*Table 14, Line 31*
12	1611		4,426,559,892	*Table 14, Line 32*
13	Total Energy Tier 2		9,674,287,248	
	F12 Rates with Rate Rider (cents per kWh)			
14	Tier-1	9.07		*F12 Tariff w/ RR*
15	Tier-2	4.37		*F12 Tariff w/ RR*
16	beta (Tier2 / Tier 1)	0.481		
	Proposed Schedule 1600 Part one Rates			
17	Tier 1 rate (cents/kWh)		9.839	*See note below*
18	Tier 2 Rate (cents/kWh)		4.736	*See note below*

*Tier 1 Rate = Line 3 * 10^6 / (Line 8 - (Line 5 + Line 7) * 1.5% + beta *(Line 13 -(Line 10 + Line 12) * 1.5%))*100*

*Tier 2 Rate = Tier 1 Rate * beta*

Table 22 shows the adjusted rates. Only the Part 1 energy rates differ from the rates shown in Table 19. When multiplied by the billing determinants in Table 14, the revenues that result are shown in Table 23.

Table 22 LGS Rates (Adjusted for Minimum Energy Charges)

		A	
	Adjusted Forecast Rates		
	Basic Charge (cents per day)	**F2013**	**Notes**
1	1600	20.213	*From Table 15*
2	1601	19.909	*From Table 15*
3	1610	20.213	*From Table 15*
4	1611	19.909	*From Table 15*
	Demand ($/kW-month)		
	Demand Tier - 1		
7	1600	-	*From Table 15*
8	1601	-	*From Table 15*
9	1610	-	*From Table 15*
10	1611	-	*From Table 15*
	Demand Tier - 2		
12	1600	4.925	*From Table 15*
13	1601	4.851	*From Table 15*
14	1610	4.675	*From Table 15*
15	1611	4.601	*From Table 15*
	Demand Tier - 3		
17	1600	9.450	*From Table 15*
18	1601	9.308	*From Table 15*
19	1610	9.200	*From Table 15*
20	1611	9.058	*From Table 15*
	Energy (cents per kWh)		
23	Energy Tier 1		
24	1600	9.839	*From Table 21*
25	1601	9.692	*Sch 1600 * (1-1.5%)*
26	1610	9.839	*Sch 1600*
27	1611	9.692	*Sch 1600 * (1-1.5%)*
	Energy Tier 2		
29	1600	4.736	*From Table 21*
30	1601	4.665	*Sch 1600 * (1-1.5%)*
31	1610	4.736	*Sch 1600*
32	1611	4.665	*Sch 1600 * (1-1.5%)*
34	**Energy Part 2 (LRMC) Rate (cents/kWh)**		
35	1600	9.891	*From Table 15*
36	1601	9.743	*Sch 1600 * (1-1.5%)*
37	1610	9.891	*Sch 1600*
38	1611	9.743	*Sch 1600 * (1-1.5%)*

Table 23 shows the revenues collected from the adjusted forecast period rates. Row 41 shows the adjustment for the additional revenues collected through the Minimum Energy Charge, based on the initial rates from Table 19.

Table 23 LGS Revenue from Adjusted Rates

		A		
	Adjusted Rate Revenues ($millions)			
	Basic Charge		**F2013**	**Notes**
1	1600	$	0.3	*Acct Days*Charge/100/10^6*
2	1601	$	0.0	
3	1610	$	0.1	
4	1611	$	0.1	
5	Total Basic Charge	**$**	**0.4**	*Sum of 1600, 1601, 1610, 1611*
	Demand			
	Demand Tier - 1			
7	1600	$	-	*Demand * Charge / 10^6*
8	1601	$	-	
9	1610	$	-	
10	1611	$	-	
11	Total Demand Tier-1	**$**	**-**	*Sum of 1600, 1601, 1610, 1611*
	Demand Tier - 2			
12	1600	$	22.4	*Demand * Charge / 10^6*
13	1601	$	0.5	
14	1610	$	6.8	
15	1611	$	6.2	
16	Total Demand Tier 2	**$**	**36.0**	*Sum of 1600, 1601, 1610, 1611*
	Demand Tier - 3			
17	1600	$	28.1	*Demand * Charge / 10^6*
18	1601	$	1.5	
19	1610	$	35.6	
20	1611	$	82.7	
21	Total Demand Tier 3	**$**	**147.8**	*Sum of 1600, 1601, 1610, 1611*
	Energy			
23	Energy Tier 1			
24	1600	$	65.7	*kWh * Charge/100 / 10^6*
25	1601	$	1.5	
26	1610	$	18.9	
27	1611	$	17.5	
28	Total Energy Tier 1	**$**	**103.5**	*Sum of 1600, 1601, 1610, 1611*
	Energy Tier 2			
29	1600	$	142.3	*kWh * Charge/100 / 10^6*
30	1601	$	4.5	
31	1610	$	101.6	
32	1611	$	206.5	
33	Total Energy Tier 2	**$**	**455.0**	*Sum of 1600, 1601, 1610, 1611*
34	**Part 2 (LRMC) Energy**			
35	1600	$	(5.3)	*kWh * Charge/100 / 10^6*
36	1601	$	(0.2)	
37	1610	$	(4.1)	
38	1611	$	(12.6)	
39	Total Part 2 (LRMC) Energy	**$**	**(22.3)**	*Sum of 1600, 1601, 1610, 1611*
40	**Total Revenue**	**$**	**720.5**	*Sum of rows 5, 11, 16, 21, 28, 33,and 39*
41	Estimated Min Energy Chg Rev	$	1.74	*From Table 21*
42	**Total Revenue w/ Min Charge**	**$**	**722.2**	*Line 40 + line 41*
43	**Target Revenue**	**$**	**722.2**	*Table 18*

2.4 Tariff Rates

The LGS rates shown in Table 22 above include the effect of the rate rider that is forecast to be in effect. BC Hydro refers to these rates that include the effect of the rate rider as effective rates. Lines 9 through 15 in Table 24 convert the effective rates reported in Table 22 to the LGS tariff rates (i.e., as would be seen in the applicable rate schedules). As is the current practice, the actual rate rider and any rate rider credits would be applied to total charges before taxes and levies in determining customer bills. Note that because the tariff rates shown in Table 24 are net of the rate rider, these tariff rates would not change it the rate rider were to differ from value used in this Appendix. In other words, there would be no need to revise the tariff rates for a change in rate rider levels.

Consistent with the tariff, this table only shows the rates for RS 1600 because the rates for schedules 1601, 1610 and 1611 are simple derivations from RS 1600.

Table 24 Forecast LGS Tariff Rates

		A	B	F
	Compliance Rates			
		F2012	**F2013**	**Notes**
	Schedule 1600 effective rates including rate rider			
1	**Basic Charge (cents per day)**	18.99	20.21	*Table 22 Line 1*
	Demand ($/kW-month)			
2	Demand Tier - 1	-	-	*Table 22 Line 7*
3	Demand Tier - 2	4.62	4.92	*Table 22 Line 12*
4	Demand Tier - 3	8.88	9.45	*Table 22 Line 17*
	Energy Part-1 Rate (cents/kWh)			
5	Energy Tier - 1	9.07	9.8394	*Table 22 Line 24*
6	Energy Tier - 2	4.37	4.7362	*Table 22 Line 29*
7	**Energy Part 2 (LRMC) Rate (cents/kWh)**	6.85	9.89	*Table 22 Line 35*
8	**Minimum Energy Charge (cents/kWh)**	2.77	2.95	*Table 22 Line 35*
9	Annual Rate Rider	*2.5%*	*5.0%*	
	Schedule 1600 tariff rates (that exclude the rate rider)			
10	**Basic Charge (cents per day)**	**18.53**	**19.25**	*Line 1 / (1 + Line 9)*
	Demand ($/kW-month)			
11	Demand Tier - 1	-	-	*Line 2 / (1 + Line 9)*
12	Demand Tier - 2	**4.51**	**4.69**	*Line 3 / (1 + Line 9)*
13	Demand Tier - 3	**8.66**	**9.00**	*Line 4 / (1 + Line 9)*
	Energy Part-1 Rate (cents/kWh)			
14	Energy Tier - 1	**8.85**	**9.37**	*Line 5 / (1 + Line 9)*
15	Energy Tier - 2	**4.26**	**4.51**	*Line 6 / (1 + Line 9)*
16	**Energy Part 2 (LRMC) Rate (cents/kWh)**	**6.68**	**9.42**	*Line 7 / (1 + Line 9)*
17	**Minimum Energy Charge (cents/kWh)**	**2.70**	**2.81**	*Line 8 / (1 + Line 9)*

F2012 rates are not derived in this anaylsis. They are shown for comparative purposes.

3 F2013 Residential Inclining Block (RIB) Rate Calculation Methodology

This section describes the methodology used to calculate the F2013 RIB rates that are revenue neutral on a forecast basis. The rate calculation methodology follows the pricing principles that were approved by BCUC Order No. G-45-11.

3.1 Pricing Principle Approved by Order No. G-45-11

The following are the steps used to calculate the RIB rates that arise from the pricing principle approved by BCUC Order No. G-45-11:

A. Step-1 is calculated residually, while the Step-2 rate is increased such that a bill impact threshold, defined as the higher of the class average rate change (CARC) or 10 per cent, is realized by the most adversely impacted residential customer.

B. In the event that A) results in a Step-1 rate that would increase by less than the annual rate of inflation as set out by the BC Ministry of Finance, the Step-1 rate will be increased by the annual rate of inflation and the Step-2 rate will be calculated residually.

C. The Basic Charge is increased by BC Hydro's RRA rate increase.

3.2 Billing Determinants

F2011 residential billing data (April 2010 through March 2011) is used for modelling and rate-setting, and consists of all residential accounts that have been billed at any time within F2011. Since there was a rate freeze for the month of April 2011, BC Hydro calendarized[6] the billing data to measure the annual bill impact for the most adversely impacted customer, by applying April 2011 rates to each customer's calendarized April consumption, and then May 2011 rates to each customer's remaining consumption in the fiscal year.

The forecasted F2013 residential kWh sales net of DSM by step is based on BC Hydro's March 2011 Energy Sales Load forecast, as follows:

Total kWh: 17,636 GWh
kWh in Step-1: 10,463 GWh
kWh in Step-2: 7,173 GWh

The ratio used for allocating kWh sales to Step-1 and Step-2 is 1.46 (Step-1 kWh/Step-2 kWh). This is the same ratio used in BC Hydro's 2008 RIB Rate Application and approved by BCUC Order No. G-124-08. The ratio is based on two

[6] BC Hydro calendarizes the billing data because the monthly billing periods do not correspond with the calendar months. BC Hydro does this by taking into account the number of days in each billing period that fall in a calendar month and by prorating the data accordingly.

years of historic billing data (F2006 and F2007), and was used to determine the volume and percentage of load that would have been consumed under each of the Step-1 and Step-2 rates if the RIB rate had been in place in those years. BC Hydro has continued to use the load from F2006 and F2007 because:

1. BC Hydro's Load forecast is weather normalized, and the F2006 and F2007 years had "normal" weather, as defined by comparing the heating degree days for F2006/F2007 to that of the weather normalized heating degree days.
2. As of the end of F2011, the RIB rate has been in place for 2.5 years, and load from this period did not have "normal" weather.
3. Conservation estimates due to rate structures are proportionally allocated to Step-1 and Step-2 forecasted consumption; hence, the percentages of load in Step-1 and Step-2 are unchanged from year to year in BC Hydro's rate model. Given the estimated demand response compared to the overall residential load is relatively small, this allocation methodology should not result in any significant differences in revenue requirement.

The highest consuming customer in F2011 was used to determine the most adversely impacted customer. For the purpose of this calculation, the consumption used is the actual annual billed consumption for this customer in F2011. Furthermore, the consumption is calendarized, so that intra-fiscal rate changes can be applied, such as the rate freeze in April 2011, if applicable.

The highest consuming customer's bill impact is computed by dividing the customer's estimated F2013 annual bill by the customer's F2012 estimated annual bill, using the customer's F2011 calendarized consumption and each year's respective rates. The details are as follows:

F2013 bill impact = F2013 estimated annual bill / F2012 estimated annual bill

where

F2013 estimated annual bill = (F2013 Step-1 rate x F2011 Step-1 annual consumption + F2013 Step-2 rate x F2011 Step-2 annual consumption + Basic Charge x 365 days) x (F2013 Rate Rider+1)

F2012 estimated annual bill = (April 2011 Step-1 rate x April 2011 calendarized Step-1 consumption + April 2011 Step-2 rate x April 2011 calendarized Step-2 consumption + April 2011 Basic Charge x 30 days + May 2011 Step-1 rate x May 2011 to March 2012 calendarized Step-1 consumption + May 2011 Step-2 rate x May 2011 to March 2012 calendarized Step-2 consumption + May 2011 Basic Charge x 335 days) x (F2012 Rate Rider+1)

3.3 RRA Increases and CARC

The F2012 RRA increase of 8 per cent was approved on an interim basis by BCUC Order No. G-72-11 issued on April 21, 2011.

The F2013 RRA increase and CARC used to determine the rates are based on the F2013 RRA increase and rate rider approved on an interim basis by BCUC Order No. G-17-12 issued on February 15, 2012. The values for F2013 are as follows.

F2013 interim RRA increase: 3.91 per cent

F2013 Rate Rider: 5 per cent
F2013 CARC: 7.07 per cent

The F2013 CARC is based on the calculation used to determine the Net Bill Impact for F2013 (line 30) from Schedule 1, Appendix A of the Amended F12-F14 RRA filed in November 2011 but updated by using the 5 per cent rate rider approved on an interim basis by BCUC Order No. G-17-12 issued on February 15, 2012. The CARC for F2013 takes into account the F2013 RRA increase, Rate Rider, and the rate freeze in April 2011.

3.4 Target Revenue

Target revenue is determined by using the same general methodology used to determine forecast domestic revenue described in the Revenue Forecast section in Chapter 3 of the Amended F12-F14 RRA. This ensures consistency so that the F2013 target revenue used to calculate rates is consistent with the estimated F2013 RRA rate increase and revenue used to derive it.

The target revenue is computed using the F2011 RIB rate approved by BCUC Order No. G-180-10 as the base, which is the latest approved rate, and the March 2011 load forecast net of DSM submitted with the Amended F12-F14 RRA in November 2011. The steps are as follows:

I. "Total revenue under F2011 rates" is equal to the sum of (a) forecast F2013 RIB rate kWh load (10,463,374,685 kWh for Step-1 and 7,172,577,745 kWh for Step-2) multiplied by the F2011 RIB Step-1 and Step-2 rates and (b) forecasted number of RIB rate customer accounts multiplied by the F2011 RIB Basic Charge multiplied by 365 days.

II. The proposed cumulative RRA increases between the F2011 test year and the F2013 target year, 8 per cent in F2012 and 3.91 per cent in F2013, are applied to the total revenue under F2011 rates calculated in I. above.

III. The proposed rate rider for the target year is applied to the outcome of II, resulting in the F2013 target revenue. These calculations are shown in Table 25.

Table 25 Target Revenue Calculation

Step	Description	Value	Unit	Source
A	Forecast F2013 RIB Step-2 Load	7,172,577,745	kWh	March 2011 Load Forecast/Revenue Finance
B	Forecast F2013 RIB Step-1 Load	10,463,374,685	kWh	March 2011 Load Forecast/Revenue Finance
C	Forecast Customer Accounts	1,693,809	Accounts	March 2011 Load Forecast
D	April 1, 2010 RIB Step-1 rate (F2011)	6.27	cents/kWh	Approved Tariff
E	April 1, 2010 RIB Step-2 rate (F2011)	8.78	cents/kWh	Approved Tariff
F	April 1, 2010 RIB Basic Charge (F2011)	0.1341	$/day	Approved Tariff
G	Step-1 Revenue under F2011 RIB Rate	656,053,593	$	D * B/100
H	Step-2 Revenue under F2011 RIB Rate	629,752,326	$	E * A/100
I	Basic Charge Revenue under F2011 RIB rate	82,906,022	$	C * F * 365
J	Total Revenue under F2011 RIB rate Excluding Rate Rider	1,368,711,941	$	G + H + I
K	F2012 interim RRA increase	8.0%		Amended F12-F14 RRA Nov 2011
L	F2013 interim RRA increase	3.91%		Amended F12-F14 RRA Nov 2011
M	Total F2011 Revenue Escalated by F2012 and F2013 RRA increase	1,536,006,864	$	J * (1 + K) * (1 + L)
N	F2013 Rate Rider	5%		Approved on interim basis by BCUC Order G-17-12
O	F2013 Total Rate Rider Revenue	76,800,343	$	M * N
P	**Total F2013 Target Revenue**	**1,612,807,207**	**$**	**M + O**

3.5 Rate Computation

3.5.1 Basic Charge

The Basic Charge computation follows the pricing principles outlined in section 3.1.

Basic Charge = F2011 Basic Charge * (F2012 RRA + 1) * (F2013 RRA + 1)

Basic Charge = $0.1341/day * (8% + 1) * (3.91% + 1) = $0.1505/day

3.5.2 Step-1 and Step-2 Rates

The Step-1 and Step-2 rate computation follows the pricing principles outlined in section 3.1.

The outcome of each rate step computation is as follows:

A. Step-1 is calculated residually, while the Step-2 rate is increased such that a bill impact threshold, defined as the higher of CARC or 10 per cent, is realized by the most adversely impacted customer.

   Outcome:

   The CARC for F2013 is 7.07 per cent, which is lower than 10 per cent. Thus, the bill impact threshold is set at 10 per cent.

   The most adversely affected customer would experience a bill impact of 10 per cent at the following tariff rates:

   Step-1 rate: 6.77 cents/kWh
   Step-2 rate: 10.25 cents/kWh
   Basic Charge: $0.1505/day

   This Step-1 rate is only 1.43 per cent above the F2012 Step-1 tariff rate of 6.67 cents/kWh, which is below the F2013 rate of inflation of 2.0 per cent as set out by the Ministry of Finance. Thus, these rates do not meet the pricing principle.

B. Since A) results in a Step-1 rate that increase by less than the annual rate of inflation as set out by the B.C. Ministry of Finance, the Step-1 rate is increased by the annual rate of inflation and the Step-2 rate is calculated residually.

Outcome:

The resulting F2013 RIB rate (excluding rate rider) is as follows:

Step-1 rate: 6.80 cents/kWh

Step-2 rate: 10.19 cents/kWh

Basic Charge: $0.1505 /day

The computation details are shown in Table 26.

Table 26 Computation of F2013 RIB Rate

Step	Description	Value	Unit	Source
A	Inflation Rate	2.00%		Consistent with Amended F12-F14 RRA; originally sourced from page 61 of 2011 B.C. Budget released in May 2011
B	Rate Rider F2013	5%		
C	F2013 RRA increase over May 1, 2011 Rates	3.91%		Amended F12-F14 RRA
D	**May - March F2012 Interim Rates**			
E	May 1, 2011 RIB Step-1 rate (F2012)	6.67	cents/kWh	Tariff
F	May 1, 2011 RIB Step-2 rate (F2012)	9.62	cents/kWh	Tariff
G	May 1, 2011 RIB Basic Charge (F2012)	0.1448	$/day	Tariff
H	RIB Step-1 rate (F2013)	6.80	cents/kWh	E * (1 + A)
I	RIB Basic Charge (F2013)	0.1505	$/day	G * (1 + C)
J	**Total F2013 Target Revenue**	**1,612,807,207**	$	Refer to section 3.4, Table 25, Step P
K	Forecast F2013 RIB Step-2 Load	7,172,577,745	kWh	March 2011 Load Forecast
L	Forecast F2013 RIB Step-1 Load	10,463,374,685	kWh	March 2011 Load Forecast
M	Forecast Customer Accounts	1,693,809	Accounts	March 2011 Load Forecast
N	RIB Step-1 revenue	747,458,495	$	H * (1 + B) * L / 100
O	RIB Basic Charge revenue	97,672,546	$	I * (1 + B) * M * 365
P	RIB Step-2 revenue (Residual)	767,676,167	$	J - N - O
Q	RIB Step-2 rate, with Rate Rider	10.70	cents/kWh	P/K * 100
R	RIB Step-2 rate	10.19	cents/kWh	Q/(1 + B)
	Resulting F2013 Rate, where Step-1 increases by the inflation rate			
S	**RIB Step-1 rate**	**6.80**	**cents/kWh**	**H**
T	**RIB Step-2 rate**	**10.19**	**cents/kWh**	**R**
U	**RIB Basic Charge**	**0.1505**	**$/day**	**I**

3.6 Revenue Neutrality

Using the rates calculated via the rate calculation methodology described above, this section shows that the rates are revenue neutral on a forecast basis using the F2013 forecast load. This is done by comparing the revenue under the F2013 RIB rates and the revenue target, as shown in the following table.

Table 27 Revenue Neutrality

Step	Description	Value	Unit	Source
A	Forecast F2013 RIB Step-2 Load	7,172,577,745	kWh	March 2011 Load Forecast
B	Forecast F2013 RIB Step-1 Load	10,463,374,685	kWh	March 2011 Load Forecast
C	Forecast Customer Accounts	1,693,809	Accounts	March 2011 Load Forecast
	RIB Rate			
D	Step-1 rate (rounded to 1/100 of a cent)	6.80	cents/kWh	Refer to section 3.5.2, Table 2, Step S
E	Step-2 rate (rounded to 1/100 of a cent)	10.19	cents/kWh	Refer to section 3.5.2, Table 2, Step T
F	Basic Charge (rounded to 1/100 of a cent)	0.1505	$/day	Refer to section 3.5.2, Table 2, Step U
G	Rate Rider	5%		Approved on an interim basis by BCUC Order No. G-17-12
H	Step-1 rate revenue (excludes Rate Rider)	711,509,479	$	D*B/100
I	Step-2 rate revenue (excludes Rate Rider)	730,885,672	$	E*A/100
J	Basic Charge revenue (excludes Rate Rider)	93,045,163	$	F*C*365
K	Rate Rider Revenue	76,772,016	$	(H+I+J)*G
L	Total F2013 Revenue	1,612,212,329	$	H+I+J+K
M	F2013 Target Revenue	1,612,807,207	$	Refer to section 3.4 Table 25, Step P
N	Variance due to Rounding at the 3rd decimal place	594,878	$	M-L
O	Variance %	0.0369%		N/M*100%

4 F2013 TSR Stepped Rate (RS 1823) and Corix Rate (RS 26xx) Calculation Methodologies

This section describes the methodology BC Hydro has used to calculate the F2013 TSR RS 1823 and Corix RS 26xx rates.

RS 1823 – Transmission Service – Stepped Rate (**TSR Stepped Rate**)

BCUC Order No. G-79-05 approved the Negotiated Settlement package for BC Hydro's Transmission Service Rate Application which includes the pricing principles for the TSR Stepped Rate.

The TSR Stepped Rate is a two-tiered rate. The Tier 1 rate is derived from the fixed LRMC-based Tier 2 rate and the 90:10 Tier 1 and Tier 2 pricing split to achieve revenue and customer bill neutrality when customer load precisely matches the customer CBL. The Tier 2 rate is 7.36 cents/kWh. The Tier 1 rate is calculated using the following formula, which uses the RS 1827 – Transmission Service – Rate for Exempt Customers, as the "base rate".

Tier 1 rate = [base rate - (10% x Tier 2 rate)]/90%

F2013 base rate = F2013 RS 1827 = 0.03533 x 1.0391 = 0.03671

F2013 Tier 1 rate = [0.03671 – (10% x 0.0736)]/90%

= [0.03671 – 0.00736]/90%

= 0.03261

RS 26xx – Large General Service Rate for Distribution Utilities (**Corix Rate)**

BC Hydro's letter filed on August 25, 2011 responded to BCUC Order No. G-36-11 and established the pricing principles for the Corix Rate. It resolved Corix's October 13, 2010 application for an exemption from service under BC Hydro RS 1600/1601/1610/1611 (RS 16XX–LGS).

RS 26XX is, with respect to pricing, identical in all ways to RS 16XX, except that the energy rate in the Energy Charge section has been replaced with the following formula (in F2012 pricing) to meet the pricing criteria of BCUC Order No. G-36-11:

Energy rate = [(LRMC-based LGS Part 2 energy rate) x 0.05] + [4.36 cents/kWh x 0.95] – [0.33 cents/kWh]

Under the negotiated energy rate formula:

- the LRMC-based LGS Part 2 energy rate reflects BC Hydro's LRMC of new energy supply;
- the 5 per cent weighting of the LRMC-based rate component of the formula reflects Corix's anticipated long term growth rate;
- 4.36 cents/kWh reflects BC Hydro's embedded cost of Heritage Power, being the average energy rate Corix would have paid under the old RS 1200/1201/1210/1211;
- 0.33 cents/kWh reflects, in F2012, BC Hydro's avoided costs of serving Corix's customers, estimated on an incremental cost basis and accounting for incremental avoided revenues; and
- The price elements of the rate formula – the 4.36 and 0.33 cents/kWh, in F2012 pricing – are subject to the F2013 interim rate increase of 3.91 per cent in F2013.

Therefore, the F2013 energy rates for RS 26xx are as follows:

Embedded Cost Rate (cents/kWh) = 4.36 x 1.0391 = 4.53

Discount (cents/kWh) = -0.33 x 1.0391 = -.34

Part 2 Energy Rate cents/kWh = 9.42 (same as RS 16xx LRMC-based Part 2 energy rate)