

POWERNET LINE PRICING METHODOLOGY FOR THE ELECTRICITY INVERCARGILL LIMITED NETWORK AS AT 1 APRIL 2004

1. INTRODUCTION

- 1.1 PowerNet Limited (PNL) has a responsibility for the management of the network assets owned by Electricity Invercargill Limited (TPCL).
- 1.2 The total line charge is based on the following components:
- (a) Transmission Grid Asset Management costs (Trans Power)
 - (b) Subtransmission costs – 66,000 and 33,000V line and cables and 30 zone substations
 - (c) Distribution costs - 11,000, 400V networks and distribution substations
 - (d) PowerNet overheads, Board costs, and System Control costs
- 1.3 The derivation of the line charges is based on six consumer profile parameters. They are:
- (a) The Contract Capacity kVA (kW) of the installation
 - (b) The Winter Peak demand kVA (kW) (0700-1100 hours and 1700-2100 hours, each weekday between June and August inclusive)
 - (c) The Winter Peak energy MWh (0700-1100 hours and 1700-2100 hours, each weekday between May and September inclusive)
 - (d) The Winter Day energy MWh (0700-2300 hours, May to September inclusive)
 - (e) The Summer Day energy MWh (0700-2300 hours, October to April inclusive)
 - (f) The Total energy for the 12 month period MWh
- 1.4 The basis of allocation of Transpower and subtransmission costs is on the after diversity maximum demand for each customer during the periods of network maximum demand. Similarly the allocation of the distribution costs is on an after diversity distribution capacity of the customer's installation.

The PowerNet methodology takes into account the duration that the customer impacts on the peak loading hours of the network. This is achieved by allocating some of the Transmission, subtransmission and distribution costs based on the Winter Peak energy and the Winter Day energy.

This in effect reduces the charges for a customer who incurs just one half hour peak for the whole winter or is only impacting on the peak hours for part of the winter and increases the charges for those customers who are impacting regularly on the peak periods during the whole winter.

It has the effect of integrating the peak demand over a longer period.

- 1.5 The Winter Peak demands for the various customers and customer groups have a diversity factor applied to them, which reflects to some extent their impact on the total after diversity maximum demand on the network. These diversity factors, based on their peak demands, are as follows:

Up to 21kVA = 17%

Between 21kVA and 110kVA = ramp function from 17% - 37.5%

Between 110kVA and 2000kVA = ramp function from 37.5% - 75%

Above 2000kVA = 75%.

These diversity factors reflect the increased diversity of a large number of smaller customers compared to less diversity for the larger customers.

- 1.6 Similarly diversity factors are applied to the contract capacities of the various customers. These diversity factors are as follows:

For connections up to 16kVA = 25%

For connections between 16kVA and 100kVA = ramp function from 25% - 33%

For connections between 101kVA and 2000kVA = ramp function from 33% - 70%

For connections above 2000kVA = 70%.

These diversities reflect the differing impacts of the different sized customers on the local capacity of the reticulation system. There is an increased diversity between the smaller customers than with the large customers with respect to the capital investment in the local distribution network.

- 1.7 There are two defined types of consumers. They are as follows:

(a) Individual Consumers

These consumers have half-hour or time-of-use meters, including kVA maximum demand registers.

These consumers, through the half-hour or time-of-use metering, have individual profiles, which are used to calculate the line charges. Metering of these consumers includes kVA demand metering which provides the winter or seasonal peak demand and also the anytime peak demand. The latter figures are used in the calculation of line charges and to determine the contract capacity. For these consumers, the contract capacity is based on the next highest standard transformer size above their anytime demand or, alternatively, as per the original contract if growth is predicted and the network has been designed and built to supply the increased level.

(b) Group Consumers

For Group consumers, their individual meter readings or locations do not determine the initial line charges.

The bases for the different consumer groups are contract capacity and whether there is significant controllable load on the premises. The latter point qualifies the consumer for either an "all peak" or "with off peak" line charge. Different consumer groups are based on practical fuse sizes. The eligibility for a "with off peak" line charge is determined on the basis that at least 25% of the total energy consumption has to be separately metered and consumed between 23:00 and 07:00 hours or by an appropriate ripple controlled appliance, such as a water heater.

All domestic consumers are classed as single-phase irrespective of whether they are supplied two-phase or three-phase. This is due to the fact that for many of the consumers there was no choice in their method of supply and there are many older multi-phase domestic installations. All old domestic consumer installations are classed as "historic domestic".

The 8kVA domestic consumer requires a 32-amp circuit breaker to be installed on the main switchboard to control the complete installation. This capacity is only allowed for single-phase installations.

- 1.8 The costs of the subtransmission and distribution components of the line charges are split into two categories:

Supply
Maintenance

The "supply" part is based on the depreciation and required return on the assets, the latter using the companies weighted average cost of capital.

The “maintenance” part is based on the Works Programme for the current year.

Management costs for capital and maintenance work are allocated to Supply and Maintenance respectively.

1.9 The application of fixed and variable charges is not based on the derivation of the line charge but is an application of the line charge to the end-use consumer. The objectives behind the fixed and variable charges are as follows:

1. The 50:50 fixed: variable line charge is a compromise between a totally fixed charge which would benefit the large consumer within a load group and a totally variable charge which would benefit the small consumer within a load group.
2. As stated above, the fixed and variable charge allows the larger consumer in a load group to pay more which reflects to some extent their reduced diversity on the maximum demands seen at subtransmission and transmission level. Although the distribution network in the vicinity of the premises has to have enough capacity to supply the full capacity of the installation, the remainder of the network is designed to take into account the diversity between consumer demands. As a general rule, the less energy a consumer uses, the greater the diversity, hence the less capital investment required to supply. A totally fixed line charge does not take this into account so there would need to be more load sub-groups such as very small, small, medium, large and very large domestic consumers besides the existing All Peak and With Off Peak categories.
3. It is important to note that the variable charge is on daytime energy only, so domestic consumers with large night loads, such as storage or water heating, do not pay extra as this consumption is utilising network assets, the capacity of which is designed on the basis of and costs recovered by the peak load in daytime hours. This encourages better utilisation of the network and less capital investment.
4. Retailers may directly pass through a totally fixed charge to consumers.
5. It is a means whereby the line owner can share the risk of climatic variations and be responsive to changes in the local economy. It has been well received in the commercial market that when a consumer has a production downturn or invests in energy conservation measures, there is an immediate response through a reduction in the variable charges.
6. Consumers also have the opportunity to shift load to night time to receive immediate benefits.
7. If a consumer is expanding the business, the variable charges mean that the line owner can receive some immediate extra revenue and it can also cushion the increase in line charges for the following year.

The practical application of a variable component of the line charge for the group consumers resulted in a necessity for a uniform variable charge and individual fixed charges for each segment.

The variable charge component is based on daytime energy usage, ie between 07:00 and 23:00 hours. Hence, night time consumption does not contribute directly to the line charge account.

2. TRANSMISSION CHARGES

Transmission charges reflect the Trans Power grid asset management costs incurred by Electricity Invercargill Limited based on the Invercargill point of supply.

Trans Power transmission charges have two components:

- (a) Connection charge
- (b) Interconnection charge

2.1 Connection Charge

The Trans Power connection charge is based on the Trans Power local assets utilised to provide the supply.

In the case of the Invercargill point of supply the connection charge is split between The Power Company Limited and Electricity Invercargill Limited, each network connected to the transmission grid there.

The total connection charge for Invercargill is \$535,179. Electricity Invercargill's share is \$312,812.

The connection charges are applied to customers on the basis of the following allocation:

Winter Peak Demand	70%
Winter Peak Energy	20%
Winter Day Energy	10%

For individual customers this equates to:

- (a) \$3.74 per kVA Peak Demand.
- (b) \$1.73 per Winter Peak MWh.
- (c) \$0.54 per Winter Day MWh

After the revenue from the individual customers has been subtracted from the total the remaining group customer charges are as follows:

- (a) \$3.60 per kVA Peak Demand
- (b) \$1.89 per Winter Peak MWh
- (c) \$0.59 per Winter Day MWh

The difference in the two sets of rates above reflects the difference in losses and diversity factors between the large individual customers and the smaller customer groups.

2.2 Interconnection Charge

This charge is based on the average of the 12 highest peak demands at the Invercargill point of supply on a rolling 12-month basis.

Electricity Invercargill's share of the Invercargill interconnection charge of \$3,875,568 is \$2,596,630.

The interconnection charges are applied to customers on the basis of the following allocation:

Winter Peak Demand	60%
Winter Peak Energy	30%
Winter Day Energy	10%

For individual customers this equates to the following charges:

- (a) \$26.59 per kVA Winter Peak Demand.
- (b) \$21.59 per Winter Peak MWh.
- (c) \$4.85 per Winter Day MWh.

After the revenue from the individual customers has been subtracted from the total the remaining group customer charges are as follows:

	Per kVA Peak	Per Winter Peak	Per Winter Day
	Demand	MWh	MWh
Electricity Invercargill	\$26.29	\$24.17	\$5.05

The differences in the above rates reflect the differences in losses and diversity factors between the large individual customers and the small customer groups.

2.3 Trans Power Revenue for Individual Customers

The total Trans Power revenue for individual customers grouped by capacity is shown in the following table:

Consumer Capacity kVA	Number of Connections	Line Charge Revenue per Consumer Group	Average Line Charge
30	4	\$2,408	\$602
50	8	\$5,635	\$704
75	14	\$16,555	\$1,183
100	13	\$18,918	\$1,455
150	39	\$80,413	\$2,062
200	38	\$100,264	\$2,639
300	30	\$119,173	\$3,972
500	15	\$112,466	\$7,498
750	6	\$50,100	\$8,350
1000	2	\$22,245	\$11,123
1250	1	\$9,671	\$9,671
1750	1	\$40,079	\$40,079
2000	1	\$6,041	\$6,041

2.5 Trans Power Revenue for Group Customers

The total Trans Power revenue for group customers is shown in the following table.

Consumer Capacity	Code	Number of Connections	TransPower Charge	TransPower Revenue per Consumer Group
Domestic				
Small Domestic (8kVA 1 Phase) - All Peak	ND08P	5	\$65.77	\$328.83
Small Domestic (8kVA 1 Phase) - With Off Peak	ND08Q	224	\$55.02	\$12,323.59
Standard Domestic (20kVA 1 Phase) - All Peak	ND20P	386	\$131.53	\$50,771.38
Standard Domestic (20kVA 1 Phase) - With Off Peak	ND20Q	13045	\$110.03	\$1,435,367.87
10% Fixed Charge Option - All Peak	NDL20P	20	\$104.98	\$2,099.69
10% Fixed Charge Option - With Off Peak	NDL20Q	239	\$88.45	\$21,139.56
Non-Domestic Single Phase				
Street Lights (1 Phase)	NS001L	4470	\$3.25	\$14,506.28
1 kVA 1 Phase - All Peak	NS001P	272	\$70.03	\$19,046.92
8 kVA 1 Phase - All Peak	NS008P	106	\$65.77	\$6,971.20
8 kVA 1 Phase - With Off Peak	NS008Q	26	\$55.02	\$1,430.42
20 kVA 1 Phase - All Peak	NS020P	378	\$131.53	\$49,719.13
20 kVA 1 Phase - With Off Peak	NS020Q	175	\$110.03	\$19,255.61
Non-Domestic Three Phase				
15 kVA 3 Phase - All Peak	NT015P	39	\$123.31	\$4,809.14
15 kVA 3 Phase - With Off Peak	NT015Q	13	\$103.16	\$1,341.02
30 kVA 3 Phase - All Peak	NT030P	487	\$250.65	\$122,065.16
30 kVA 3 Phase - With Off Peak	NT030Q	162	\$210.37	\$34,079.93
50 kVA 3 Phase - All Peak	NT050P	265	\$554.78	\$147,016.32
50 kVA 3 Phase - With Off Peak	NT050Q	88	\$464.65	\$40,888.82
75 kVA 3 Phase - All Peak	NT075P	93	\$963.09	\$89,567.14
75 kVA 3 Phase - With Off Peak	NT075Q	12	\$808.33	\$9,699.92
100 kVA 3 Phase - All Peak	NT100P	41	\$1,533.35	\$62,867.50
100 kVA 3 Phase - With Off Peak	NT100Q	7	\$1,286.95	\$9,008.68
EIL Bluff				
Domestic				
Small Domestic (8kVA 1 Phase) - All Peak	BD08P	0	\$65.77	\$0.00
Small Domestic (8kVA 1 Phase) - With Off Peak	BD08Q	10	\$55.02	\$550.16
Standard Domestic (20kVA 1 Phase) - All Peak	BD20P	162	\$131.53	\$21,308.20

All Peak				
Standard Domestic (20kVA 1 Phase) - With Off Peak	BD20Q	664	\$110.03	\$73,061.27
10% Fixed Charge Option - All Peak	BDL20P	12	\$104.98	\$1,259.81
10% Fixed Charge Option - With Off Peak	BDL20Q	16	\$88.45	\$1,415.20
Non-Domestic Single Phase				
Street Lights (1 Phase)	BS001L	100	\$3.25	\$324.53
1 kVA 1 Phase - All Peak	BS001P	20	\$70.03	\$1,400.51
8 kVA 1 Phase - All Peak	BS008P	7	\$65.77	\$460.36
8 kVA 1 Phase - With Off Peak	BS008Q	2	\$55.02	\$110.03
20 kVA 1 Phase - All Peak	BS020P	35	\$131.53	\$4,603.62
20 kVA 1 Phase - With Off Peak	BS020Q	4	\$110.03	\$440.13
Non-Domestic Three Phase				
15 kVA 3 Phase - All Peak	BT015P	1	\$123.31	\$123.31
15 kVA 3 Phase - With Off Peak	BT015Q	1	\$103.16	\$103.16
30 kVA 3 Phase - All Peak	BT030P	39	\$250.65	\$9,775.24
30 kVA 3 Phase - With Off Peak	BT030Q	9	\$210.37	\$1,893.33
50 kVA 3 Phase - All Peak	BT050P	11	\$554.78	\$6,102.56
50 kVA 3 Phase - With Off Peak	BT050Q	5	\$464.65	\$2,323.23
75 kVA 3 Phase - All Peak	BT075P	10	\$963.09	\$9,630.88
75 kVA 3 Phase - With Off Peak	BT075Q	3	\$808.33	\$2,424.98
100 kVA 3 Phase - All Peak	BT100P	2	\$1,533.35	\$3,066.71
100 kVA 3 Phase - With Off Peak	BT100Q	0	\$1,286.95	\$0.00

3. SUBTRANSMISSION CHARGES

Subtransmission charges are based on the subtransmission costs (66kV and 33kV network) and the zone substation costs.

There are two components making up the subtransmission charges:

- (a) Supply charge
- (b) Maintenance charge

3.1 Supply Charge

The supply charge is based on the required return on the assets by the shareholder and depreciation.

All the costs of the subtransmission network and zone substations are averaged and the use charge allocated on the basis of the relative asset value compared to the total network asset value.

The supply charge for the EIL city area zone substations is \$740,740 and for the 33kV line and cables is \$336,700 giving a total supply charge for EIL City of \$1,077,440.

As EIL also wheels power for Bluff through The Power Company Limited 33kV line and Bluff zone substation there is a supply charge of \$249,772 for this zone substation and subtransmission lines.

The supply charge totalling \$1,077,440 for EIL City and \$249,772 for EIL Bluff is allocated across all customers on the following basis:

Winter Peak Demand	70%
Winter Peak energy	20%
Winter Day energy	10%

3.2 Maintenance Charge

The maintenance charges for the EIL city zone substations and subtransmission system total \$247,287 and for EIL Bluff total \$57,964.

The total subtransmission maintenance charges of \$305,251 are allocated across the customers on the following basis:

Total Energy	50%
Winter Peak Demand	50%

In this case the commercial customers incur a weighting compared to domestic customers of 1.5:1.0. This reflects the higher level of importance for commercial customers of the maintenance to the network. This weighted ratio only applies to the total energy components, i.e. 50% of the cost.

3.3 Subtransmission Charges for Individual Customers above 100 kVA

EIL City

(a)	Subtransmission Supply charge	\$13.64 per kVA Winter Peak Demand
(b)	Subtransmission Supply charge	\$6.64 per Winter Peak MWh
(c)	Subtransmission Supply charge	\$2.09 per Winter Day MWh
(d)	Subtransmission Maintenance charge	\$0.53 per Domestic Total MWh
(e)	Subtransmission Maintenance charge	\$0.53 per Commercial Total MWh
(f)	Subtransmission Maintenance charge	\$2.24 per kVA Winter Peak Demand

EIL Bluff

(a)	Subtransmission Supply charge	\$52.98 per kVA Winter Peak Demand
(b)	Subtransmission Supply charge	\$13.87 per Winter Peak MWh
(c)	Subtransmission Supply charge	\$4.41 per Winter Day MWh
(d)	Subtransmission Maintenance charge	\$1.02 per Domestic Total MWh
(e)	Subtransmission Maintenance charge	\$0.86 per Commercial Total MWh
(f)	Subtransmission Maintenance charge	\$8.78 per kVA Winter Peak Demand

3.4 Subtransmission Charges for Group Customers

After the revenue from the individual customers has been subtracted from the total the remaining group customer charges are as follows:

EIL City

(a)	Subtransmission Supply charge	\$13.18 per kVA Winter Peak Demand
(b)	Subtransmission Supply charge	\$7.21 per Winter Peak MWh
(c)	Subtransmission Supply charge	\$2.29 per Winter Day MWh
(d)	Subtransmission Maintenance charge	\$0.50 per Domestic Total MWh
(e)	Subtransmission Maintenance charge	\$0.50 per Commercial Total MWh
(f)	Subtransmission Maintenance charge	\$2.08 per kVA Winter Peak Demand

EIL Bluff

(a)	Subtransmission Supply charge	\$64.99 per kVA Winter Peak Demand
(b)	Subtransmission Supply charge	\$15.20 per Winter Peak MWh
(c)	Subtransmission Supply charge	\$4.90 per Winter Day MWh
(d)	Subtransmission Maintenance charge	\$1.05 per Domestic Total MWh
(e)	Subtransmission Maintenance charge	\$1.05 per Commercial Total MWh
(f)	Subtransmission Maintenance charge	\$7.09 per kVA Winter Peak Demand

4. DISTRIBUTION CHARGES

Distribution charges are based on the distribution costs which include 11,000 and 400V line and cables and distribution substations and transformers.

There are three components making up the distribution charges

- (a) Supply charge
- (b) Maintenance charge
- (c) Transformer charge

In calculating the distribution charges an allowance is made for the fact that customers above 150kVA have normally less use of the 400V network than smaller customers, i.e. they often have their own local transformer or exclusive supply cables from a transformer. The distribution charges are multiplied by a factor of 60% for both EIL City and EIL Bluff.

4.1 Supply Charge

The supply charge is based on the use charge which is the required return on the assets by the shareholder and depreciation.

All the costs of the distribution network are averaged and the supply charge is allocated on the basis of the relative asset value compared to the total network asset value.

The supply charges are as follows:

(a)	<i>Overhead lines, Underground Cables & Distribution Substations</i>	
	EIL City	\$4,848,480
	EIL Bluff	\$202,020

The supply charge is allocated across all customers on the following basis:

Contract Capacity	70%
Winter Peak Energy	20%
Winter Day Energy	10%

4.2 Maintenance Charge

The maintenance charges are as follows:

(a)	<i>Overhead lines, Underground Cables & Distribution Substations</i>	
	EIL City	\$741,861
	EIL Bluff	\$117,136

The maintenance portion is allocated across all customers on the following basis:

Total Energy	50%
Contract Capacity	50%

With respect to the maintenance charges, the commercial customers incur a weighting compared to domestic customers of 1.5:1.0. This reflects a higher level of importance for commercial customers of the maintenance to the network. This weighted ratio only applies to the total energy components, i.e. 50% of the cost.

4.3 Distribution Transformers

The transformer charges are as follows:

EIL Supply	\$606,060
EIL Maintenance	\$195,227

The transformer portion of the distribution charges is allocated across consumers on the following basis:

Number of transformers and transformer capacity	100%.
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4.4 Distribution Charges for Individual Customers

EIL City

(a) Distribution Supply charge	\$26.31 per kVA Contract Capacity
(b) Distribution Supply charge	\$29.90 per Winter Peak MWh
(c) Distribution Supply charge	\$5.77 per Winter Day MWh
(d) Distribution Maintenance charge	\$1.59 per Commercial Total MWh
(e) Distribution Maintenance charge	\$2.88 per kVA Contract Capacity

EIL Bluff

(a) Distribution Supply charge	\$15.71 per kVA Contract Capacity
(b) Distribution Supply charge	\$11.22 per Winter Peak MWh
(c) Distribution Supply charge	\$2.18 per Winter Day MWh
(d) Distribution Maintenance charge	\$2.06 per Commercial Total MWh
(e) Distribution Maintenance charge	\$6.51 per kVA Contract Capacity

Transformer Charges

(a) Distribution Transformer supply charge	\$288.39 per Transformer
(b) Distribution Transformer maintenance charge	\$503.16 per Transformer

The Transformer charge of \$288.39 per transformer is multiplied by a price ratio depending on the size of the transformer. The ratios for the different sized transformers are shown below.

Transformer Size	Ratio applied
15kVA Transformer	1.00
30kVA Transformer	1.44
50kVA Transformer	1.88
75kVA Transformer	2.30
100kVA Transformer	2.80
150kVA Transformer	3.50
200kVA Transformer	4.40
300kVA Transformer	5.16
500kVA Transformer	7.20
750kVA Transformer	8.80
1000kVA Transformer	9.96
1250kVA Transformer	13.20
1500kVA Transformer	15.60

4.5 Distribution Charges for Group Customers

After the revenue from the individual customers has been subtracted from the total the remaining group customer charges are as follows:

EIL City

(a)	Distribution Supply charge	\$29.16 per kVA Contract Capacity
(b)	Distribution Supply charge	\$44.43 per Winter Peak MWh
(c)	Distribution Supply charge	\$11.10 per Winter Day MWh
(d)	Distribution Maintenance charge	\$1.70 per Domestic Total MWh
(e)	Distribution Maintenance charge	\$1.70 per Commercial Total MWh
(f)	Distribution Maintenance charge	\$3.10 per kVA Contract Capacity
(g)	Distribution Transformer charge	\$4.47 per kVA Contract Capacity

EIL Bluff

(a)	Distribution Supply charge	\$16.46 per kVA Contract Capacity
(b)	Distribution Supply charge	\$24.78 per Winter Peak MWh
(c)	Distribution Supply charge	\$6.46 per Winter Day MWh
(d)	Distribution Maintenance charge	\$3.68 per Domestic Total MWh
(e)	Distribution Maintenance charge	\$3.68 per Commercial Total MWh
(f)	Distribution Maintenance charge	\$6.50 per kVA Contract Capacity
(g)	Distribution Transformer charge	\$4.47 per kVA Contract Capacity

The model applies a 2.5% discount for the single phase group customers compared to three phase customers of similar size. This is to reflect the reduced investment in network assets for single phase customers.

5. POWERNET OVERHEADS

The PowerNet overhead charges are based on those costs which cannot be allocated directly to either capital or maintenance.

These costs include the following:

- (a) Executive Management
- (b) Directors Fees
- (c) System Control
- (d) Miscellaneous overheads, e.g. buildings, rates, etc.

These charges are split equally over the total customer base.

The total overhead costs are \$750,097

The charge per customer is \$37.53

6. POWERNET CHARGES

6.1 PowerNet Revenue for Individual Customers

The total PowerNet revenue for individual customers grouped by capacity is shown in the following table.

Consumer Capacity kVA	Number of Connections	PowerNet Revenue per Consumer Group	Average PowerNet Charge
30	4	\$5,708	\$1,427
50	8	\$15,354	\$1,919
75	14	\$43,104	\$3,079
100	13	\$39,459	\$3,035
150	39	\$176,089	\$4,515
200	38	\$220,544	\$5,804
300	30	\$250,389	\$8,346
500	15	\$232,931	\$15,529
750	6	\$129,125	\$21,521
1000	2	\$58,769	\$29,385
1250	1	\$33,778	\$33,778
1750	1	\$87,912	\$87,912
2000	1	\$40,876	\$40,876

6.2 PowerNet Revenue for Group Customers

The total PowerNet revenue for group customers is shown in the following table.

Consumer Capacity	Code	Number of Connections	PowerNet Charge	PowerNet Revenue per Consumer Group
Domestic				
Small Domestic (8kVA 1 Phase) - All Peak	ND08P	5	\$242	\$1,208
Small Domestic (8kVA 1 Phase) - With Off Peak	ND08Q	224	\$211	\$47,354
Standard Domestic (20kVA 1 Phase) - All Peak	ND20P	386	\$446	\$172,087
Standard Domestic (20kVA 1 Phase) - With Off Peak	ND20Q	13045	\$385	\$5,025,796
10% Fixed Charge Option - All Peak	NDL20P	20	\$378	\$7,551
10% Fixed Charge Option - With Off Peak	NDL20Q	239	\$327	\$78,120
Non-Domestic Single Phase				
Street Lights (1 Phase)	NS001L	4470	\$16	\$69,837
1 kVA 1 Phase - All Peak	NS001P	272	\$193	\$52,419
8 kVA 1 Phase - All Peak	NS008P	106	\$242	\$25,618
8 kVA 1 Phase - With Off Peak	NS008Q	26	\$211	\$5,496
20 kVA 1 Phase - All Peak	NS020P	378	\$446	\$168,520
20 kVA 1 Phase - With Off Peak	NS020Q	175	\$385	\$67,422
Non-Domestic Three Phase				
15 kVA 3 Phase - All Peak	NT015P	39	\$420	\$16,392
15 kVA 3 Phase - With Off Peak	NT015Q	13	\$364	\$4,726
30 kVA 3 Phase - All Peak	NT030P	487	\$788	\$383,648
30 kVA 3 Phase - With Off Peak	NT030Q	162	\$676	\$109,558
50 kVA 3 Phase - All Peak	NT050P	265	\$1,555	\$412,027
50 kVA 3 Phase - With Off Peak	NT050Q	88	\$1,330	\$117,033
75 kVA 3 Phase - All Peak	NT075P	93	\$2,490	\$231,555
75 kVA 3 Phase - With Off Peak	NT075Q	12	\$2,126	\$25,512
100 kVA 3 Phase - All Peak	NT100P	41	\$3,031	\$124,272
100 kVA 3 Phase - With Off Peak	NT100Q	7	\$2,588	\$18,119
EIL Bluff				
Domestic				
Small Domestic (8kVA 1 Phase) - All Peak	BD08P	0	\$294	\$0
Small Domestic (8kVA 1 Phase) - With Off Peak	BD08Q	10	\$258	\$2,582
Standard Domestic (20kVA 1 Phase) - All Peak	BD20P	162	\$550	\$89,104

Standard Domestic (20kVA 1 Phase) - With Off Peak	BD20Q	664	\$479	\$317,929
10% Fixed Charge Option - All Peak	BDL20P	12	\$478	\$5,738
10% Fixed Charge Option - With Off Peak	BDL20Q	16	\$415	\$6,633
Non-Domestic Single Phase				
Street Lights (1 Phase)	BS001L	100	\$18	\$1,780
1 kVA 1 Phase - All Peak	BS001P	20	\$246	\$4,914
8 kVA 1 Phase - All Peak	BS008P	7	\$294	\$2,056
8 kVA 1 Phase - With Off Peak	BS008Q	2	\$258	\$516
20 kVA 1 Phase - All Peak	BS020P	35	\$550	\$19,251
20 kVA 1 Phase - With Off Peak	BS020Q	4	\$479	\$1,915
Non-Domestic Three Phase				
15 kVA 3 Phase - All Peak	BT015P	1	\$518	\$518
15 kVA 3 Phase - With Off Peak	BT015Q	1	\$451	\$451
30 kVA 3 Phase - All Peak	BT030P	39	\$1,017	\$39,649
30 kVA 3 Phase - With Off Peak	BT030Q	9	\$878	\$7,905
50 kVA 3 Phase - All Peak	BT050P	11	\$2,065	\$22,712
50 kVA 3 Phase - With Off Peak	BT050Q	5	\$1,783	\$8,914
75 kVA 3 Phase - All Peak	BT075P	10	\$3,478	\$34,783
75 kVA 3 Phase - With Off Peak	BT075Q	3	\$2,995	\$8,985
100 kVA 3 Phase - All Peak	BT100P	2	\$4,860	\$9,720
100 kVA 3 Phase - With Off Peak	BT100Q	0	\$4,189	\$0

7. TRANSMISSION GRID OPERATOR SERVICES COSTS

These costs which relate to frequency, voltage support and black start on the National Grid are for security of energy supply and not to transmission. Accordingly they are excluded from the transmission charges and are allocated each month to the retailers on the basis of each Retailer's total energy consumption for that month.

8. Loss Constraint Excess Payment

Loss Constraint Excess Payments are credits rebated by Transpower as a result of money received from the Clearing Manager for the Wholesale Electricity Market and are excluded from the Transmission Charges. The payments are allocated each month to the retailers on the basis of total energy consumption for the month in which the rebate applied.

9. TOTAL LINE CHARGE REVENUE

9.1 Fixed, Variable and Metering Charges

The total line charge is charged as a split fixed and variable charge. This allows PowerNet to share some of the risk with the Energy Trader. The fixed/variable split is approximately 50:50.

For the installations with ½ hour metering the total line charge is halved to establish the fixed charge per annum. The variable charge is calculated as the remaining charge divided by the number of Day MWh in the customer energy profile to give a variable charge in dollars per Day MWh.

In the case of all other installations the variable charge is a standard charge of \$47.99 per Day MWh. The fixed charge is then calculated as the difference between the total charge and the number of Day MWh for the installation times \$47.99. This method of calculating the fixed charge accounts for the fact that some installations have negative fixed charges.

The Variable Charge of \$47.99 per MWh of daytime sales equates to \$45.82 per MWh of daytime purchases at the grid exit point.

9.2 Line Charge Revenue for Individual Customers

The line charge revenue for individual customers grouped by capacity is shown in the following table.

Consumer Capacity kVA	Number of Connections	Line Charge Revenue per Consumer Group	Average Line Charge
30	4	\$8,116	\$2,029
50	8	\$20,989	\$2,624
75	14	\$59,659	\$4,261
100	13	\$58,377	\$4,491
150	39	\$256,503	\$6,577
200	38	\$320,808	\$8,442
300	30	\$369,562	\$12,319
500	15	\$345,397	\$23,026
750	6	\$179,224	\$29,871
1000	2	\$81,015	\$40,507
1250	1	\$43,448	\$43,448
1750	1	\$127,991	\$127,991
2000	1	\$46,917	\$46,917

9.3 Line Charge Revenue for Group Customers

The line charge revenue for group customers is shown in the following table.

Consumer Capacity	Code	Number of Connections	Fixed Charge per Day	Variable Charge per Day MWh Sales	Line Charge Revenue per Consumer Group
Domestic					
Small Domestic (8kVA 1 Phase) - All Peak	ND08P	5	\$0.43	\$47.99	\$1,537
Small Domestic (8kVA 1 Phase) - With Off Peak	ND08Q	224	\$0.29	\$47.99	\$59,677
Standard Domestic (20kVA 1 Phase) - All Peak	ND20P	386	\$0.79	\$47.99	\$222,858
Standard Domestic (20kVA 1 Phase) - With Off Peak	ND20Q	13045	\$0.54	\$47.99	\$6,461,164
10% Fixed Charge Option - All Peak	NDL20P	20	\$0.15	\$80.91	\$9,651
10% Fixed Charge Option - With Off Peak	NDL20Q	239	\$0.00	\$80.91	\$99,260
Non-Domestic Single Phase					
Street Lights (1 Phase)	NS001L	4470	\$0.05	\$47.99	\$84,344
1 kVA 1 Phase - All Peak	NS001P	272	\$0.30	\$47.99	\$71,466
8 kVA 1 Phase - All Peak	NS008P	106	\$0.43	\$47.99	\$32,589
8 kVA 1 Phase - With Off Peak	NS008Q	26	\$0.29	\$47.99	\$6,927
20 kVA 1 Phase - All Peak	NS020P	378	\$0.79	\$47.99	\$218,239
20 kVA 1 Phase - With Off Peak	NS020Q	175	\$0.54	\$47.99	\$86,677
Non-Domestic Three Phase					
15 kVA 3 Phase - All Peak	NT015P	39	\$0.65	\$47.99	\$21,201
15 kVA 3 Phase - With Off Peak	NT015Q	13	\$0.43	\$47.99	\$6,067
30 kVA 3 Phase - All Peak	NT030P	487	\$1.10	\$47.99	\$505,714
30 kVA 3 Phase - With Off Peak	NT030Q	162	\$0.75	\$47.99	\$143,638
50 kVA 3 Phase - All Peak	NT050P	265	\$2.25	\$47.99	\$559,043
50 kVA 3 Phase - With Off Peak	NT050Q	88	\$1.53	\$47.99	\$157,921
75 kVA 3 Phase - All Peak	NT075P	93	\$4.62	\$47.99	\$321,122
75 kVA 3 Phase - With Off Peak	NT075Q	12	\$3.36	\$47.99	\$35,212
100 kVA 3 Phase - All Peak	NT100P	41	\$5.62	\$47.99	\$187,139
100 kVA 3 Phase - With Off Peak	NT100Q	7	\$4.08	\$47.99	\$27,127
EIL Bluff					
Domestic					
Small Domestic (8kVA 1 Phase) - All Peak	BD08P	0	\$0.43	\$47.99	\$0
Small Domestic (8kVA 1 Phase) - With Off Peak	BD08Q	10	\$0.29	\$47.99	\$3,132
Standard Domestic (20kVA 1 Phase) - All Peak	BD20P	162	\$0.79	\$47.99	\$110,413

Standard Domestic (20kVA 1 Phase) - With Off Peak	BD20Q	664	\$0.54	\$47.99	\$390,990
10% Fixed Charge Option - All Peak	BDL20P	12	\$0.15	\$80.91	\$6,998
10% Fixed Charge Option - With Off Peak	BDL20Q	16	\$0.00	\$80.91	\$8,048
Non-Domestic Single Phase					
Street Lights (1 Phase)	BS001L	100	\$0.05	\$47.99	\$2,105
1 kVA 1 Phase - All Peak	BS001P	20	\$0.30	\$47.99	\$6,315
8 kVA 1 Phase - All Peak	BS008P	7	\$0.43	\$47.99	\$2,517
8 kVA 1 Phase - With Off Peak	BS008Q	2	\$0.29	\$47.99	\$626
20 kVA 1 Phase - All Peak	BS020P	35	\$0.79	\$47.99	\$23,855
20 kVA 1 Phase - With Off Peak	BS020Q	4	\$0.54	\$47.99	\$2,355
Non-Domestic Three Phase					
15 kVA 3 Phase - All Peak	BT015P	1	\$0.65	\$47.99	\$641
15 kVA 3 Phase - With Off Peak	BT015Q	1	\$0.43	\$47.99	\$554
30 kVA 3 Phase - All Peak	BT030P	39	\$1.10	\$47.99	\$49,424
30 kVA 3 Phase - With Off Peak	BT030Q	9	\$0.75	\$47.99	\$9,798
50 kVA 3 Phase - All Peak	BT050P	11	\$2.25	\$47.99	\$28,814
50 kVA 3 Phase - With Off Peak	BT050Q	5	\$1.53	\$47.99	\$11,237
75 kVA 3 Phase - All Peak	BT075P	10	\$4.62	\$47.99	\$44,414
75 kVA 3 Phase - With Off Peak	BT075Q	3	\$3.36	\$47.99	\$11,410
100 kVA 3 Phase - All Peak	BT100P	2	\$5.62	\$47.99	\$12,787
100 kVA 3 Phase - With Off Peak	BT100Q	0	\$4.08	\$47.99	\$0

10. LINE CHARGE TABLES

10.1 Line Charge Breakdown for Individual Customers

ICP Number	Contract Capacity kVA	Trans Power Charge	PowerNet Charge	Total Line Charge	Fixed Charge per annum	Variable Charge per Day MWh
880323NV-EBD	150	\$1,326	\$4,093	\$5,419	\$2,710	\$15.60
9003081NV-OFF	200	\$3,830	\$7,191	\$11,021	\$5,511	\$15.05
744600NV-667	200	\$1,194	\$4,007	\$5,201	\$4,182	\$47.99
740649NV-C13	75	\$1,272	\$3,108	\$4,379	\$2,190	\$18.55
900390NV-B86	300	\$4,422	\$7,894	\$12,316	\$1,532	\$47.99
880327NV-FB7	200	\$7,749	\$11,636	\$19,385	-\$18,267	\$47.99
8102959NV-5D5	300	\$3,145	\$8,018	\$11,163	\$5,582	\$17.11
900350NV-C69	100	\$2,320	\$3,857	\$6,176	\$3,088	\$15.42
810201NV-DAD	150	\$927	\$3,295	\$4,222	\$2,111	\$28.94
734355NV-C9C	300	\$2,040	\$6,387	\$8,427	-\$1,760	\$47.99
744773NV-6FE	75	\$993	\$2,788	\$3,780	-\$1,285	\$47.99
784100NV-DD5	30	\$396	\$1,195	\$1,591	\$795	\$15.51
850948NV-9C2	30	\$607	\$1,501	\$2,109	\$1,054	\$14.15
900327NV-4FE	50	\$1,157	\$2,829	\$3,987	\$1,993	\$13.87
740385NV-DE7	200	\$1,849	\$5,358	\$7,208	\$3,604	\$13.29
8509005NV-195	100	\$1,859	\$3,629	\$5,488	\$2,744	\$12.13
900360NV-B91	500	\$6,656	\$12,420	\$19,076	\$9,538	\$25.51
880344NV-C87	300	\$3,964	\$7,787	\$11,751	\$1,240	\$47.99
8305374NV-169	200	\$2,943	\$5,488	\$8,431	\$3,318	\$47.99
8803044NV-797	75	\$998	\$3,086	\$4,084	-\$2,123	\$47.99
7433294NV-FC6	150	\$1,978	\$4,015	\$5,993	\$1,359	\$47.99
743331NV-CBF	150	\$1,947	\$3,960	\$5,907	\$1,634	\$47.99
900330NV-399	500	\$12,074	\$21,535	\$33,609	\$16,805	\$10.63
7302788NV-6F7	150	\$1,739	\$4,081	\$5,820	-\$300	\$47.99

740373NV-C7F	200	\$2,764	\$5,607	\$8,371	\$4,186	\$24.62
721862NV-A61	50	\$1,192	\$2,685	\$3,878	\$1,939	\$17.63
8803601NV-E7B	150	\$3,770	\$6,439	\$10,208	-\$9,289	\$47.99
9003143NV-E91	30	\$209	\$729	\$938	\$469	\$49.37
8548111NV-903	75	\$1,461	\$3,435	\$4,896	-\$1,643	\$47.99
734326NV-501	200	\$2,746	\$5,956	\$8,702	\$651	\$47.99
734325NV-9C1	150	\$218	\$2,540	\$2,757	\$2,419	\$47.99
850920NV-426	50	\$519	\$1,635	\$2,154	\$1,077	\$20.18
9003114NV-B53	30	\$1,195	\$2,283	\$3,478	-\$3,724	\$47.99
734165NV-163	750	\$11,492	\$21,530	\$33,022	\$16,511	\$18.73
722703NV-43B	200	\$2,356	\$5,082	\$7,438	\$2,188	\$47.99
90030815NV-060	500	\$1,567	\$9,477	\$11,044	\$5,522	\$36.89
734846NV-9FF	50	\$298	\$1,242	\$1,540	\$1,014	\$47.99
900356NV-DE6	300	\$5,161	\$9,209	\$14,369	-\$5,047	\$47.99
8665558NV-6AF	200	\$2,823	\$5,428	\$8,251	\$292	\$47.99
8803767NV-900	150	\$1,391	\$3,914	\$5,305	-\$1,240	\$47.99
880360NV-0D8	150	\$4,009	\$7,506	\$11,515	-\$16,904	\$47.99
740394NV-B0F	200	\$2,121	\$5,470	\$7,591	-\$2,042	\$47.99
9003071NV-0E8	300	\$8,626	\$13,131	\$21,757	\$10,879	\$11.80
7302277NV-C3B	75	\$790	\$2,557	\$3,347	\$1,673	\$20.07
733379NV-6B7	50	\$227	\$1,239	\$1,466	\$733	\$32.00
8509026NV-000	500	\$4,446	\$11,802	\$16,248	\$8,124	\$19.30
7551948NV-7E0	300	\$3,765	\$8,163	\$11,928	\$5,964	\$19.43
7301627NV-AD2	100	\$1,544	\$2,999	\$4,543	\$2,272	\$19.52
9003385NV-2F6	150	\$2,557	\$5,086	\$7,643	\$3,822	\$14.14
9003117NV-793	300	\$3,819	\$8,786	\$12,604	\$6,302	\$15.62
7403085NV-205	200	\$2,121	\$5,500	\$7,621	\$3,810	\$18.35
900305NV-92E	750	\$4,136	\$15,687	\$19,823	\$9,911	\$34.91
744103NV-5A5	750	\$7,520	\$19,416	\$26,936	\$13,468	\$15.45
734318NV-162	300	\$1,111	\$5,809	\$6,919	\$3,460	\$21.06

734470NV-384	300	\$1,587	\$6,459	\$8,047	-\$2,608	\$47.99
754696NV-OEE	300	\$1,987	\$6,421	\$8,408	\$4,204	\$26.38
831121NV-B96	300	\$1,126	\$5,490	\$6,616	\$3,308	\$32.27
754690NV-161	150	\$1,395	\$3,198	\$4,594	\$4,068	\$47.99
9003083NV-07A	500	\$8,488	\$15,887	\$24,375	\$12,188	\$14.64
900313NV-20C	300	\$6,374	\$11,263	\$17,637	\$8,818	\$14.59
880314NV-48F	300	\$1,627	\$6,002	\$7,630	\$3,815	\$20.77
880363NV-C18	200	\$2,399	\$5,631	\$8,030	\$4,015	\$18.86
880302NV-FAD	150	\$4,918	\$7,674	\$12,592	\$6,296	\$12.47
8803047NV-B57	150	\$2,328	\$4,658	\$6,987	\$3,493	\$20.34
73015753NV-A0E	150	\$2,067	\$4,624	\$6,691	\$3,345	\$15.71
900337NV-E53	100	\$775	\$2,392	\$3,167	\$1,584	\$20.70
8803625NV-224	100	\$958	\$2,634	\$3,592	\$1,796	\$14.60
9003212NV-9DF	100	\$1,103	\$2,770	\$3,872	\$1,936	\$14.86
7301102NV-5CA	100	\$859	\$2,489	\$3,349	\$1,674	\$16.61
880308NV-D3C	75	\$1,694	\$3,870	\$5,564	\$2,782	\$14.42
8803164NV-3C6	75	\$1,644	\$3,726	\$5,370	\$2,685	\$17.32
8803165NV-F83	50	\$961	\$2,361	\$3,321	\$1,661	\$14.22
9003603NV-336	300	\$5,642	\$10,002	\$15,644	\$7,822	\$16.43
9003051NV-DBD	300	\$7,269	\$11,471	\$18,740	\$9,370	\$14.68
7757907NV-783	300	\$5,718	\$9,631	\$15,349	\$7,675	\$19.33
744610NV-CCA	150	\$1,293	\$3,314	\$4,606	\$2,707	\$47.99
880336NV-95F	300	\$10,552	\$14,893	\$25,445	-\$16,608	\$47.99
880303NV-3E8	300	\$2,655	\$7,094	\$9,749	\$4,874	\$17.16
880321NV-E38	200	\$3,354	\$6,838	\$10,192	\$5,096	\$13.49
8665382NV-F7A	150	\$4,995	\$7,194	\$12,189	-\$8,266	\$47.99
721876NV-1C6	200	\$1,083	\$4,311	\$5,394	\$2,697	\$25.69
750191NV-4A6	150	\$2,317	\$4,477	\$6,794	-\$40	\$47.99
880317NV-84F	300	\$2,115	\$6,276	\$8,391	\$4,196	\$26.22
9003244NV-058	300	\$5,777	\$10,767	\$16,544	\$8,272	\$13.28

7447592NV-D72	150	\$1,590	\$4,194	\$5,784	\$2,892	\$14.83
7350104NV-691	75	\$509	\$2,115	\$2,624	\$1,312	\$28.16
743312NV-D2A	150	\$2,690	\$4,591	\$7,281	\$1,258	\$47.99
8665408NV-7A3	150	\$1,997	\$3,702	\$5,699	\$3,363	\$47.99
9003243NV-D92	200	\$4,271	\$7,890	\$12,161	-\$7,687	\$47.99
880361NV-C9D	500	\$8,754	\$17,027	\$25,781	\$12,891	\$12.98
7302979NV-CAE	150	\$2,242	\$4,381	\$6,623	\$502	\$47.99
744655NV-320	200	\$1,658	\$5,120	\$6,778	\$3,389	\$18.62
880316NV-40A	300	\$2,731	\$7,108	\$9,839	\$4,920	\$24.60
900325NV-47B	500	\$13,632	\$23,036	\$36,669	\$18,334	\$10.65
8803034NV-2CA	200	\$1,855	\$5,245	\$7,101	\$3,550	\$16.04
9003573NV-568	200	\$4,224	\$6,743	\$10,967	-\$963	\$47.99
880375NV-73A	300	\$3,478	\$6,759	\$10,237	\$4,756	\$47.99
880309NV-179	300	\$2,336	\$6,933	\$9,270	-\$2,948	\$47.99
8144266NV-0A8	200	\$604	\$4,021	\$4,625	\$616	\$47.99
880329NV-C2C	1,000	\$20,682	\$40,026	\$60,708	\$30,354	\$17.15
7205085NV-6A2	100	\$1,699	\$3,367	\$5,066	-\$2,967	\$47.99
8305967NV-D0E	750	\$1,718	\$12,865	\$14,583	\$7,292	\$55.24
730158NV-F40	50	\$825	\$2,067	\$2,892	-\$878	\$47.99
7501996NV-A4D	150	\$1,001	\$3,694	\$4,695	-\$1,984	\$47.99
7341792NV-7BE	200	\$2,079	\$5,495	\$7,574	\$3,787	\$16.08
900381NV-D6E	200	\$2,502	\$4,882	\$7,384	\$4,969	\$47.99
9003235NV-940	500	\$9,042	\$15,634	\$24,675	\$12,338	\$21.84
880397NV-D05	2,000	\$6,041	\$40,876	\$46,917	\$23,459	\$54.81
880398NV-2DB	500	\$4,657	\$11,880	\$16,536	\$8,268	\$17.37
722709NV-6AA	500	\$2,099	\$8,990	\$11,090	\$5,545	\$79.21
724187NV-3BD	150	\$1,835	\$4,377	\$6,212	-\$1,761	\$47.99
744309NV-D33	300	\$718	\$5,353	\$6,071	\$964	\$47.99
754608NV-C92	50	\$455	\$1,296	\$1,752	\$1,050	\$47.99
760737NV-A1C	300	\$4,245	\$8,021	\$12,266	\$1,504	\$47.99

9003082NV-C3F	75	\$1,891	\$4,027	\$5,918	\$2,959	\$17.20
836516NV-9C5	200	\$725	\$3,940	\$4,666	\$1,803	\$47.99
9003995NV-251	300	\$3,299	\$7,568	\$10,867	-\$740	\$47.99
8803744NV-895	200	\$1,172	\$4,110	\$5,282	\$3,008	\$47.99
724195NV-995	150	\$1,604	\$3,535	\$5,139	\$3,081	\$47.99
731878NV-ABC	150	\$2,563	\$4,431	\$6,994	\$1,583	\$47.99
8305977NV-7A3	200	\$3,944	\$6,741	\$10,685	-\$467	\$47.99
825292NV-886	500	\$3,854	\$10,803	\$14,657	\$7,329	\$24.93
900384NV-021	500	\$10,804	\$17,884	\$28,688	\$14,344	\$16.62
900383NV-DEB	200	\$4,729	\$7,547	\$12,276	\$3,177	\$47.99
730262NV-92A	100	\$1,932	\$3,198	\$5,130	-\$24	\$47.99
7350005NV-3D0	75	\$909	\$2,483	\$3,392	\$488	\$47.99
734360NV-62B	75	\$2,047	\$4,535	\$6,582	-\$5,529	\$47.99
735249NV-D8B	200	\$2,006	\$5,593	\$7,600	\$146	\$47.99
9003053NV-D38	300	\$5,881	\$10,108	\$15,989	\$7,995	\$17.47
850908NV-B67	750	\$9,606	\$22,478	\$32,084	\$16,042	\$13.01
7501257NV-2E9	150	\$808	\$3,212	\$4,021	\$1,222	\$47.99
7350693NV-BBE	75	\$740	\$2,283	\$3,023	\$229	\$47.99
7447181NV-71E	75	\$601	\$2,401	\$3,003	\$1,501	\$17.62
900358NV-E7D	200	\$2,757	\$5,292	\$8,049	\$2,847	\$47.99
734460NV-929	200	\$2,517	\$6,230	\$8,747	-\$5,755	\$47.99
8425758NV-FE5	150	\$3,670	\$6,016	\$9,686	\$4,843	\$16.40
880330NV-8D0	200	\$3,342	\$6,611	\$9,953	-\$5,069	\$47.99
900351NV-02C	200	\$3,259	\$7,372	\$10,631	\$5,315	\$11.14
7341793NV-BFB	100	\$1,294	\$2,900	\$4,194	\$2,097	\$14.05
7406224NV-B78	100	\$2,414	\$3,815	\$6,229	\$3,114	\$15.00
734188NV-482	300	\$6,180	\$10,937	\$17,118	\$8,559	\$13.78
800449NV-3FB	75	\$1,005	\$2,692	\$3,697	-\$223	\$47.99
9003078NV-EB9	150	\$2,141	\$3,859	\$6,001	\$3,466	\$47.99
900308NV-675	1,250	\$9,671	\$33,778	\$43,448	\$21,724	\$31.70

8305981NV-63B	200	\$2,531	\$5,510	\$8,041	\$773	\$47.99
750123NV-691	200	\$3,242	\$6,670	\$9,912	\$4,956	\$14.00
9003165NV-24B	100	\$1,887	\$3,333	\$5,220	\$2,610	\$16.21
832431NV-6DE	1,000	\$1,564	\$18,743	\$20,307	\$10,154	\$64.26
900319NV-09D	200	\$3,480	\$6,656	\$10,135	-\$2,200	\$47.99
740630NV-71F	150	\$2,850	\$4,976	\$7,827	\$3,913	\$21.15
9003193NV-3D3	200	\$2,486	\$4,881	\$7,367	\$4,740	\$47.99
744586NV-1A1	150	\$1,888	\$3,686	\$5,574	\$2,997	\$47.99
744502NV-5E1	200	\$1,784	\$4,471	\$6,256	\$3,963	\$47.99
731881NV-4FA	200	\$3,107	\$5,781	\$8,888	\$1,202	\$47.99
8509025NV-CC0	500	\$9,953	\$18,723	\$28,676	\$14,338	\$11.10
8803032NV-345	150	\$1,642	\$4,306	\$5,948	\$2,974	\$15.90
931747NV-783	150	\$1,383	\$4,621	\$6,004	\$3,002	\$15.82
933534NV-759	200	\$827	\$4,700	\$5,527	\$2,764	\$13.14
931777NV-07B	750	\$15,627	\$37,149	\$52,776	\$26,388	\$12.71
931775NV-0FE	150	\$1,793	\$4,751	\$6,544	\$3,876	\$47.99
930503NV-F8B	150	\$667	\$3,211	\$3,878	\$1,939	\$30.97
930505NV-E04	100	\$274	\$2,077	\$2,351	\$2,065	\$47.99
920755NV-4EA	150	\$2,882	\$7,037	\$9,920	\$4,960	\$15.81
931776NV-C3E	150	\$2,321	\$5,701	\$8,023	\$581	\$47.99
930921NV-E57	200	\$1,830	\$5,537	\$7,367	\$2,981	\$47.99
931326NV-837	150	\$1,153	\$3,873	\$5,026	\$1,876	\$47.99
9406013NV-102	500	\$8,988	\$19,329	\$28,318	\$14,159	\$17.24
9406011NV-187	500	\$7,451	\$18,504	\$25,954	\$12,977	\$16.86
9408016NV-48D	1,750	\$40,079	\$87,912	\$127,991	\$63,996	\$16.97
931706NV-963	300	\$1,822	\$6,648	\$8,470	\$3,094	\$47.99
931760NV-71C	150	\$1,298	\$3,968	\$5,266	\$4,756	\$47.99
934525NV-5D1	150	\$1,219	\$3,898	\$5,117	\$2,250	\$47.99

10.2 Line Charge Breakdown for Group Customers

Consumer Capacity	Code	Number of Connections	TransPower Charge	PowerNet Charge	Fixed Charge per Day	Variable Charge per Day MWh Sales
Domestic						
Small Domestic (8kVA 1 Phase) - All Peak	ND08P	5	\$66	\$242	\$0.43	\$47.99
Small Domestic (8kVA 1 Phase) - With Off Peak	ND08Q	224	\$55	\$211	\$0.29	\$47.99
Standard Domestic (20kVA 1 Phase) - All Peak	ND20P	386	\$132	\$446	\$0.79	\$47.99
Standard Domestic (20kVA 1 Phase) - With Off Peak	ND20Q	13045	\$110	\$385	\$0.54	\$47.99
10% Fixed Charge Option - All Peak	NDL20P	20	\$105	\$377	\$0.15	\$80.91
10% Fixed Charge Option - With Off Peak	NDL20Q	239	\$88	\$327	\$0.00	\$80.91
Non-Domestic Single Phase						
Street Lights (1 Phase)	NS001L	4470	\$3	\$16	\$0.05	\$47.99
1 kVA 1 Phase - All Peak	NS001P	272	\$70	\$193	\$0.30	\$47.99
8 kVA 1 Phase - All Peak	NS008P	106	\$66	\$242	\$0.43	\$47.99
8 kVA 1 Phase - With Off Peak	NS008Q	26	\$55	\$211	\$0.29	\$47.99
20 kVA 1 Phase - All Peak	NS020P	378	\$132	\$446	\$0.79	\$47.99
20 kVA 1 Phase - With Off Peak	NS020Q	175	\$110	\$385	\$0.54	\$47.99
Non-Domestic Three Phase						
15 kVA 3 Phase - All Peak	NT015P	39	\$123	\$420	\$0.65	\$47.99
15 kVA 3 Phase - With Off Peak	NT015Q	13	\$103	\$363	\$0.43	\$47.99
30 kVA 3 Phase - All Peak	NT030P	487	\$251	\$787	\$1.10	\$47.99
30 kVA 3 Phase - With Off Peak	NT030Q	162	\$210	\$676	\$0.75	\$47.99
50 kVA 3 Phase - All Peak	NT050P	265	\$555	\$1,554	\$2.25	\$47.99
50 kVA 3 Phase - With Off Peak	NT050Q	88	\$465	\$1,329	\$1.53	\$47.99
75 kVA 3 Phase - All Peak	NT075P	93	\$963	\$2,489	\$4.62	\$47.99

75 kVA 3 Phase - With Off Peak	NT075Q	12	\$808	\$2,125	\$3.36	\$47.99
100 kVA 3 Phase - All Peak	NT100P	41	\$1,533	\$3,029	\$5.62	\$47.99
100 kVA 3 Phase - With Off Peak	NT100Q	7	\$1,287	\$2,587	\$4.08	\$47.99
EIL Bluff						
Domestic						
Small Domestic (8kVA 1 Phase) - All Peak	BD08P	0	\$66	\$294	\$0.43	\$47.99
Small Domestic (8kVA 1 Phase) - With Off Peak	BD08Q	10	\$55	\$258	\$0.29	\$47.99
Standard Domestic (20kVA 1 Phase) - All Peak	BD20P	162	\$132	\$550	\$0.79	\$47.99
Standard Domestic (20kVA 1 Phase) - With Off Peak	BD20Q	664	\$110	\$479	\$0.54	\$47.99
10% Fixed Charge Option - All Peak	BDL20P	12	\$105	\$478	\$0.15	\$80.91
10% Fixed Charge Option - With Off Peak	BDL20Q	16	\$88	\$415	\$0.00	\$80.91
Non-Domestic Single Phase						
Street Lights (1 Phase)	BS001L	100	\$3	\$18	\$0.05	\$47.99
1 kVA 1 Phase - All Peak	BS001P	20	\$70	\$246	\$0.30	\$47.99
8 kVA 1 Phase - All Peak	BS008P	7	\$66	\$294	\$0.43	\$47.99
8 kVA 1 Phase - With Off Peak	BS008Q	2	\$55	\$258	\$0.29	\$47.99
20 kVA 1 Phase - All Peak	BS020P	35	\$132	\$550	\$0.79	\$47.99
20 kVA 1 Phase - With Off Peak	BS020Q	4	\$110	\$479	\$0.54	\$47.99
Non-Domestic Three Phase						
15 kVA 3 Phase - All Peak	BT015P	1	\$123	\$518	\$0.65	\$47.99
15 kVA 3 Phase - With Off Peak	BT015Q	1	\$103	\$451	\$0.43	\$47.99
30 kVA 3 Phase - All Peak	BT030P	39	\$251	\$1,017	\$1.10	\$47.99
30 kVA 3 Phase - With Off Peak	BT030Q	9	\$210	\$878	\$0.75	\$47.99
50 kVA 3 Phase - All Peak	BT050P	11	\$555	\$2,065	\$2.25	\$47.99
50 kVA 3 Phase - With Off Peak	BT050Q	5	\$465	\$1,783	\$1.53	\$47.99
75 kVA 3 Phase - All Peak	BT075P	10	\$963	\$3,478	\$4.62	\$47.99

75 kVA 3 Phase - With Off Peak	BT075Q	3	\$808	\$2,995	\$3.36	\$47.99
100 kVA 3 Phase - All Peak	BT100P	2	\$1,533	\$4,860	\$5.62	\$47.99
100 kVA 3 Phase - With Off Peak	BT100Q	0	\$1,287	\$4,189	\$4.08	\$47.99