

POWERNET LIMITED LINE PRICING METHODOLOGY FOR THE ELECTRICITY INVERCARGILL LIMITED NETWORK AS AT 1 APRIL 2006

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 (Transpower)
- (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
- (e) EIL Use Charge comprising depreciation, return of investment and other costs of ownership

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:

1. Supply

The “supply” part is based on the depreciation of the network assets, other ownership costs and required return on the assets, the latter using the companies weighted average cost of capital.

The estimated carrying value of EIL’s network at 1 April 2006 is \$47.50 million. The overall Use Charge of \$7.58 million is made up of the depreciation of \$1.80 million, ownership costs of \$0.53 million and a gross return or net profit before tax of \$5.25 million. The latter equating to 11.1% of the carrying value of the assets.

2. Maintenance

The “maintenance” part is based on the Maintenance 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, i.e. between 07:00 and 23:00 hours. Hence, night time consumption does not contribute directly to the line charge account.

The profile parameters for determining the line charges for the individual customers are:

ICP Number	Contract Capacity kVA	Peak Demand Reading kVA	Total Energy Reading MWh	Winter Peak Reading MWh	Winter Day Reading MWh	Summer Day Reading MWh
880323NV-EBD	150	54	294	34	87	108
9003081NV-OFF	200	129	420	59	150	190
740649NV-C13	75	69	142	25	55	69
900390NV-B86	300	270	303	39	98	128
880327NV-FB7	300	258	1080	138	362	454
8102959NV-5D5	300	239	583	96	223	194
900350NV-C69	100	84	232	35	89	91
810201NV-DAD	150	71	98	20	41	40
7341266NV-3A6	150	100	136	16	49	71
734355NV-C9C	300	150	393	38	99	177
784100NV-DD5	30	16	61	8	22	28
850948NV-9C2	30	21	82	12	32	37
900327NV-4FE	50	43	231	25	67	83
8803283NV-7B5	150	150	540	60	180	252
740385NV-DE7	200	134	379	44	133	204
9003503NV-035	200	120	300	40	100	140
8509006NV-D55	150	61	302	35	98	139
900360NV-B91	500	386	299	35	136	160
880344NV-C87	300	186	242	32	85	107
8305374NV-169	200	190	158	35	82	76
8803044NV-797	75	75	120	20	34	53
7433294NV-FC6	150	120	123	22	48	49
743331NV-CBF	150	120	109	21	47	43
900330NV-399	500	333	2223	242	654	952
740373NV-C7F	200	113	304	43	104	129
721862NV-A61	50	37	164	19	50	72
8803601NV-E7B	150	143	574	63	159	251



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ICP Number	Contract Capacity kVA	Peak Demand Reading kVA	Total Energy Reading MWh	Winter Peak Reading MWh	Winter Day Reading MWh	Summer Day Reading MWh
8548111NV-903	75	68	179	28	68	77
734326NV-501	200	86	183	38	101	32
734325NV-9C1	150	60	9	2	4	5
850920NV-426	50	36	82	9	30	38
9003114NV-B53	50	48	112	13	45	57
734165NV-163	750	262	946	156	374	512
8541431NVDF3	150	120	188	35	62	60
722703NV-43B	200	180	118	17	45	55
90030815NV-060	500	54	577	20	52	98
734846NV-9FF	50	40	67	3	6	5
900356NV-DE6	300	240	437	77	179	258
866558NV-6AF	200	87	233	33	98	86
8803767NV-900	150	140	462	67	159	180
880360NV-0D8	150	100	889	105	245	372
740394NV-B0F	200	140	259	54	126	132
9003071NV-0E8	300	339	1003	123	393	518
7302277NV-C3B	75	17	40	5	14	21
733379NV-6B7	50	6	25	2	6	11
8509026NV-000	500	163	608	75	237	321
7551948NV-7E0	300	159	456	76	179	148
7301627NV-AD2	100	77	148	24	63	52
9003385NV-2F6	150	101	282	40	115	130
9003117NV-793	300	227	755	78	183	254
7403085NV-205	200	100	294	42	106	116
900305NV-92E	750	143	993	55	141	185
900306NV-5EE	750	550	350	66	177	146
744103NV-5A5	750	257	1097	149	377	507
734318NV-162	300	152	268	31	86	108
734470NV-384	300	120	270	58	135	102
754696NV-0EE	300	7	172	2	39	14
831121NV-B96	300	87	140	18	48	58
754690NV-161	150	128	19	5	7	8
9003083NV-07A	500	246	1225	140	382	508
900313NV-20C	300	205	684	110	271	206
880314NV-48F	300	168	288	35	127	161
880363NV-C18	200	108	274	41	118	105
880302NV-FAD	150	113	536	71	205	221
8803047NV-B57	150	94	206	31	84	68
73015753NV-A0E	150	79	253	36	94	97
900337NV-E53	100	43	110	11	31	34
8803625NV-224	100	44	143	17	49	66
9003212NV-9DF	100	47	181	22	63	77
7301102NV-5CA	100	33	107	13	35	40
880308NV-D3C	75	72	239	29	82	113
8803164NV-3C6	75	71	199	31	80	85
8803165NV-F83	50	44	140	18	47	67
9003603NV-336	300	219	652	97	243	260
9003051NV-DBD	300	295	862	135	345	342
7757907NV-783	300	292	524	89	227	188
744610NV-CCA	150	120	454	22	52	314
880336NV-95F	300	372	1019	160	360	414
880303NV-3E8	300	92	304	41	113	141
880321NV-E38	200	111	396	54	151	191
8665382NV-F7A	150	230	566	79	185	160
721876NV-1C6	200	61	98	11	27	63
750191NV-4A6	150	86	214	36	84	85
880317NV-84F	300	109	213	30	75	88
9003244NV-058	300	160	766	111	273	359
7447592NV-D72	150	74	241	34	88	119
7350104NV-691	75	31	47	8	22	21
743312NV-D2A	150	150	152	31	66	60
8665408NV-7A3	150	150	67	15	35	33
9003243NV-D92	200	144	738	72	215	244
880361NV-C9D	500	299	1404	169	448	595
7302979NV-CAE	150	192	196	43	88	77
744655NV-320	200	80	381	48	126	142



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ICP Number	Contract Capacity kVA	Peak Demand Reading kVA	Total Energy Reading MWh	Winter Peak Reading MWh	Winter Day Reading MWh	Summer Day Reading MWh
7341276NV-90B	200	150	232	27	81	110
7341272NV-801	150	100	119	18	50	51
880316NV-40A	300	98	294	45	107	81
900325NV-47B	500	392	2475	293	768	1056
8803034NV-2CA	200	61	200	30	79	99
7317032NV-617	200	150	500	80	200	250
9003573NV-568	200	235	300	55	127	162
880375NV-73A	300	181	153	19	57	86
880309NV-179	300	107	440	58	148	178
8144266NV-0A8	200	27	124	14	37	50
880329NV-C2C	1000	662	2704	301	725	1161
7205085NV-6A2	100	50	216	40	90	78
8305967NV-D0E	750	80	156	25	72	50
730158NV-F40	50	46	152	15	36	80
7501996NV-A4D	150	37	199	22	56	69
7341792NV-7BE	200	72	286	35	103	131
900381NV-D6E	200	190	20	4	8	11
9003235NV-940	500	356	1002	96	315	295
880397NV-D05	1000	52	238	23	63	100
880398NV-2DB	500	16	64	5	14	33
722709NV-6AA	500	88	233	25	80	127
724187NV-3BD	150	75	244	38	80	115
754608NV-C92	50	50	31	0	0	0
760737NV-A1C	300	275	349	77	168	119
9003082NV-C3F	75	64	176	25	66	89
836516NV-9C5	200	32	59	8	19	29
9003995NV-251	300	149	488	56	143	165
724195NV-995	150	128	57	12	25	18
731878NV-ABC	150	150	129	26	62	66
8305977NV-7A3	200	190	285	54	122	111
825292NV-886	500	243	350	70	185	127
900384NV-021	500	358	1090	172	419	421
900383NV-DEB	500	400	811	81	176	110
730262NV-92A	100	100	131	25	57	51
7350005NV-3D0	75	50	88	14	33	24
734360NV-62B	75	75	331	39	91	130
735249NV-D8B	200	100	179	26	62	58
9003053NV-D38	300	286	769	96	229	263
850908NV-B67	750	308	1751	198	530	740
734110NV-971	300	250	359	43	152	188
7501257NV-2E9	150	78	89	18	39	25
7350693NV-BBE	75	68	75	10	24	17
7447181NV-71E	75	25	95	11	39	47
900358NV-E7D	200	190	131	31	72	59
734460NV-929	200	108	526	50	164	184
724179NV-031	100	80	40	8	22	15
8425758NV-FE5	150	134	355	57	148	124
7302953NV-36A	300	200	408	46	140	160
880330NV-8D0	200	165	426	64	129	206
900351NV-02C	200	101	772	68	189	259
7341793NV-BFB	100	60	153	22	63	69
7406224NV-B78	100	114	209	38	81	104
734188NV-482	300	225	918	126	321	380
800449NV-3FB	75	54	100	19	43	39
900308NV-675	1250	200	932	91	275	313
8305981NV-63B	200	73	128	21	56	54
750123NV-691	200	50	20	3	5	10
832431NV-6DE	1000	635	668	40	94	75
900319NV-09D	200	180	398	88	204	191
740630NV-71F	150	162	225	44	98	98
9003193NV-3D3	200	190	69	13	30	39
744586NV-1A1	150	143	61	11	27	35
744502NV-5E1	200	160	63	14	33	30
744592NV-A06	200	120	69	12	29	29
731881NV-4FA	200	190	207	42	98	109
8509025NV-CC0	300	177	663	103	283	340



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ICP Number	Contract Capacity kVA	Peak Demand Reading kVA	Total Energy Reading MWh	Winter Peak Reading MWh	Winter Day Reading MWh	Summer Day Reading MWh
8803032NV-345	150	91	221	36	89	80
900342NV-641	100	119	334	51	121	159
744608NV-473	300	206	606	78	205	276
933534NV-759	200	11	270	17	42	190
931777NV-07B	750	464	2369	226	611	989
931775NV-0FE	150	130	64	11	26	38
930503NV-F8B	150	36	79	10	26	32
930505NV-E04	100	38	12	1	2	4
920755NV-4EA	150	123	589	47	130	279
931776NV-C3E	150	128	200	37	87	113
930921NV-E57	200	150	133	24	56	77

The profile parameters for determining the line charges for the Group customers are:

Consumer Capacity	Code	Number of Connections	After Diversity Peak Demand kW	Total Energy Group MWh	Winter Peak Group MWh	Winter Day Group MWh	Summer Day Group MWh
Domestic							
Small Domestic (8kVA 1 Phase) - All Peak	ND08P	5	7	27	3	9	10
Small Domestic (8kVA 1 Phase) - With Off Peak	ND08Q	224	267	1188	114	358	441
Standard Domestic (20kVA 1 Phase) - All Peak	ND20P	386	1081	4095	524	1372	1552
Standard Domestic (20kVA 1 Phase) - With Off Peak	ND20Q	13045	31065	138377	13284	41721	51396
10% Fixed Charge Option - All Peak	NDL20P	20	56	94	12	32	36
10% Fixed Charge Option - With Off Peak	NDL20Q	239	569	1127	108	340	419
10% Fixed Charge Option (8kVA 1 Phase) - All Peak	NDL08P	0	0	0	0	0	0
10% Fixed Charge Option (8kVA 1 Phase) - With Off Peak	NDL08Q	0	0	0	0	0	0
Non-Domestic Single Phase							
Street Lights (1 Phase)	NS001L	4470	335	996	127	334	377
1 kVA 1 Phase - All Peak	NS001P	272	272	2423	310	812	918
8 kVA 1 Phase - All Peak	NS008P	106	148	562	72	188	213
8 kVA 1 Phase - With Off Peak	NS008Q	26	31	138	13	42	51
20 kVA 1 Phase - All Peak	NS020P	378	1059	4010	513	1343	1520
20 kVA 1 Phase - With Off Peak	NS020Q	175	417	1856	178	560	689
Non-Domestic Three Phase							
15 kVA 3 Phase - All Peak	NT015P	39	102	388	50	130	147
15 kVA 3 Phase - With Off Peak	NT015Q	13	29	129	12	39	48
30 kVA 3 Phase - All Peak	NT030P	487	2905	7821	1001	2620	2964
30 kVA 3 Phase - With Off Peak	NT030Q	162	821	2602	250	784	966
50 kVA 3 Phase - All Peak	NT050P	265	3263	10982	1406	3679	4162
50 kVA 3 Phase - With Off Peak	NT050Q	88	921	3647	350	1100	1355
75 kVA 3 Phase - All Peak	NT075P	93	2131	5739	735	1923	2175
75 kVA 3 Phase - With Off Peak	NT075Q	12	234	741	71	223	275
100 kVA 3 Phase - All Peak	NT100P	41	1496	4028	516	1349	1527
100 kVA 3 Phase - With Off Peak	NT100Q	7	217	688	66	207	255
EIL Bluff							
Domestic							
Small Domestic (8kVA 1 Phase) - All Peak	BD08P	1	1	5	1	2	2
Small Domestic (8kVA 1 Phase) - With Off Peak	BD08Q	10	12	53	5	16	20



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Consumer Capacity	Code	Number of Connections	After Diversity Peak Demand kW	Total Energy Group MWh	Winter Peak Group MWh	Winter Day Group MWh	Summer Day Group MWh
Phase) - With Off Peak							
Standard Domestic (20kVA 1 Phase) - All Peak	BD20P	162	454	1718	220	576	651
Standard Domestic (20kVA 1 Phase) - With Off Peak	BD20Q	664	1581	7043	676	2124	2616
10% Fixed Charge Option - All Peak	BDL20P	12	34	57	7	19	21
10% Fixed Charge Option - With Off Peak	BDL20Q	16	38	75	7	23	28
10% Fixed Charge Option (8kVA 1 Phase) - All Peak	BDL08P	0	0	0	0	0	0
10% Fixed Charge Option (8kVA 1 Phase) - With Off Peak	BDL08Q	0	0	0	0	0	0
Non-Domestic Single Phase							
Street Lights (1 Phase)	BS001L	100	8	22	3	7	8
1 kVA 1 Phase - All Peak	BS001P	20	20	178	23	60	68
8 kVA 1 Phase - All Peak	BS008P	7	10	37	5	12	14
8 kVA 1 Phase - With Off Peak	BS008Q	2	2	11	1	3	4
20 kVA 1 Phase - All Peak	BS020P	35	98	371	48	124	141
20 kVA 1 Phase - With Off Peak	BS020Q	4	10	42	4	13	16
Non-Domestic Three Phase							
15 kVA 3 Phase - All Peak	BT015P	1	3	10	1	3	4
15 kVA 3 Phase - With Off Peak	BT015Q	1	2	10	1	3	4
30 kVA 3 Phase - All Peak	BT030P	39	233	626	80	210	237
30 kVA 3 Phase - With Off Peak	BT030Q	9	46	145	14	44	54
50 kVA 3 Phase - All Peak	BT050P	13	160	539	69	180	204
50 kVA 3 Phase - With Off Peak	BT050Q	5	52	207	20	62	77
75 kVA 3 Phase - All Peak	BT075P	10	229	617	79	207	234
75 kVA 3 Phase - With Off Peak	BT075Q	3	58	185	18	56	69
100 kVA 3 Phase - All Peak	BT100P	2	73	196	25	66	74
100 kVA 3 Phase - With Off Peak	BT100Q	1	31	98	9	30	36



2. TRANSMISSION CHARGES

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

Transpower transmission charges have two components:

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

2.1 Connection Charge

The Transpower connection charge is based on the Transpower 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 \$45,036. Electricity Invercargill's share is \$29,742.

The connection charges which include the Transpower EVA credits 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) \$0.36 per kVA Peak Demand.
- (b) \$0.16 per Winter Peak MWh.
- (c) \$0.05 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) \$0.33 per kVA Peak Demand
- (b) \$0.18 per Winter Peak MWh
- (c) \$0.06 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 \$5,125,828 is \$3,504,016.

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) \$35.88 per kVA Winter Peak Demand.
- (b) \$29.13 per Winter Peak MWh.
- (c) \$6.10 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 Demand	Per Winter Peak MWh	Per Winter Day MWh
Electricity Invercargill	\$33.53	\$31.28	\$6.53

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 Transpower Revenue for Individual Customers

The total Transpower 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	2	\$3,912	\$1,956
50	9	\$25,807	\$2,867
75	13	\$58,754	\$4,520
100	13	\$64,040	\$4,926
150	41	\$315,085	\$7,685
200	38	\$345,880	\$9,102
300	34	\$506,279	\$14,891
500	15	\$368,887	\$24,592
750	7	\$222,150	\$31,736
1000	3	\$111,215	\$37,072
1250	1	\$39,751	\$39,751
1750	1	\$114,312	\$114,312



2.4 Transpower Revenue for Group Customers

The total Transpower 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	\$76	\$380.12
Small Domestic (8kVA 1 Phase) - With Off Peak	ND08Q	224	\$64	\$14,227.74
Standard Domestic (20kVA 1 Phase) - All Peak	ND20P	386	\$152	\$58,690.08
Standard Domestic (20kVA 1 Phase) - With Off Peak	ND20Q	13045	\$127	\$1,657,150.37
10% Fixed Charge Option - All Peak	NDL20P	20	\$120	\$2,405.62
10% Fixed Charge Option - With Off Peak	NDL20Q	239	\$101	\$24,200.73
10% Fixed Charge Option (8kVA 1 Phase) - All Peak	NDL08P	0	\$76	\$0.00
10% Fixed Charge Option (8kVA 1 Phase) - With Off Peak	NDL08Q	0	\$64	\$0.00
Non-Domestic Single Phase				
Street Lights (1 Phase)	NS001L	4470	\$4	\$16,718.73
1 kVA 1 Phase - All Peak	NS001P	272	\$82	\$22,272.41
8 kVA 1 Phase - All Peak	NS008P	106	\$76	\$8,058.48
8 kVA 1 Phase - With Off Peak	NS008Q	26	\$64	\$1,651.43
20 kVA 1 Phase - All Peak	NS020P	378	\$152	\$57,473.71
20 kVA 1 Phase - With Off Peak	NS020Q	175	\$127	\$22,230.84
Non-Domestic Three Phase				
15 kVA 3 Phase - All Peak	NT015P	39	\$143	\$5,559.21
15 kVA 3 Phase - With Off Peak	NT015Q	13	\$119	\$1,548.22
30 kVA 3 Phase - All Peak	NT030P	487	\$289	\$140,522.40
30 kVA 3 Phase - With Off Peak	NT030Q	162	\$242	\$39,191.76
50 kVA 3 Phase - All Peak	NT050P	265	\$640	\$169,695.11
50 kVA 3 Phase - With Off Peak	NT050Q	88	\$536	\$47,140.26
75 kVA 3 Phase - All Peak	NT075P	93	\$1,109	\$103,110.43
75 kVA 3 Phase - With Off Peak	NT075Q	12	\$930	\$11,154.86
100 kVA 3 Phase - All Peak	NT100P	41	\$1,765	\$72,373.57
100 kVA 3 Phase - With Off Peak	NT100Q	7	\$1,480	\$10,359.94
EIL Bluff				
Domestic				
Small Domestic (8kVA 1 Phase) - All Peak	BD08P	1	\$76	\$76.02
Small Domestic (8kVA 1 Phase) - With Off Peak	BD08Q	10	\$64	\$635.17
Standard Domestic (20kVA 1 Phase) - All Peak	BD20P	162	\$152	\$24,631.59
Standard Domestic (20kVA 1 Phase) - With Off Peak	BD20Q	664	\$127	\$84,350.16
10% Fixed Charge Option - All Peak	BDL20P	12	\$120	\$1,443.37
10% Fixed Charge Option - With Off Peak	BDL20Q	16	\$101	\$1,620.13
10% Fixed Charge Option (8kVA 1 Phase) - All Peak	BDL08P	0	\$76	\$0.00
10% Fixed Charge Option (8kVA 1 Phase) - With Off Peak	BDL08Q	0	\$64	\$0.00
Non-Domestic Single Phase				
Street Lights (1 Phase)	BS001L	100	\$3.74	\$374.02
1 kVA 1 Phase - All Peak	BS001P	20	\$81.88	\$1,637.68
8 kVA 1 Phase - All Peak	BS008P	7	\$76.02	\$532.16
8 kVA 1 Phase - With Off Peak	BS008Q	2	\$63.52	\$127.03
20 kVA 1 Phase - All Peak	BS020P	35	\$152.05	\$5,321.64
20 kVA 1 Phase - With Off Peak	BS020Q	4	\$127.03	\$508.13
Non-Domestic Three Phase				
15 kVA 3 Phase - All Peak	BT015P	1	\$143	\$142.54
15 kVA 3 Phase - With Off Peak	BT015Q	1	\$119	\$119.09
30 kVA 3 Phase - All Peak	BT030P	39	\$289	\$11,253.33
30 kVA 3 Phase - With Off Peak	BT030Q	9	\$242	\$2,177.32
50 kVA 3 Phase - All Peak	BT050P	13	\$640	\$8,324.67
50 kVA 3 Phase - With Off Peak	BT050Q	5	\$536	\$2,678.42
75 kVA 3 Phase - All Peak	BT075P	10	\$1,109	\$11,087.14
75 kVA 3 Phase - With Off Peak	BT075Q	3	\$930	\$2,788.71
100 kVA 3 Phase - All Peak	BT100P	2	\$1,765	\$3,530.42
100 kVA 3 Phase - With Off Peak	BT100Q	1	\$1,480	\$1,479.99

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 \$798,490 and for the 33kV line and cables is \$362,950 giving a total supply charge for EIL City of \$1,161,440.

As EIL also wheels power for Bluff through The Power Company Limited 33kV line and Bluff zone substation there is a supply charge of \$313,414 for this zone substation and subtransmission lines.

The supply charge totalling \$1,161,440 for EIL City and \$313,414 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 \$57,237.

The total subtransmission maintenance charges of \$304,524 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	\$14.70 per kVA Winter Peak Demand
(b)	Subtransmission Supply charge	\$7.16 per Winter Peak MWh
(c)	Subtransmission Supply charge	\$2.25 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	\$66.48 per kVA Winter Peak Demand
(b)	Subtransmission Supply charge	\$17.41 per Winter Peak MWh
(c)	Subtransmission Supply charge	\$5.53 per Winter Day MWh
(d)	Subtransmission Maintenance charge	\$1.01 per Domestic Total MWh
(e)	Subtransmission Maintenance charge	\$1.01 per Commercial Total MWh
(f)	Subtransmission Maintenance charge	\$8.67 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	\$14.12 per kVA Winter Peak Demand
(b)	Subtransmission Supply charge	\$7.88 per Winter Peak MWh
(c)	Subtransmission Supply charge	\$2.50 per Winter Day MWh
(d)	Subtransmission Maintenance charge	\$0.49 per Domestic Total MWh
(e)	Subtransmission Maintenance charge	\$0.50 per Commercial Total MWh
(f)	Subtransmission Maintenance charge	\$2.06 per kVA Winter Peak Demand

EIL Bluff

(a)	Subtransmission Supply charge	\$76.95 per kVA Winter Peak Demand
(b)	Subtransmission Supply charge	\$18.80 per Winter Peak MWh
(c)	Subtransmission Supply charge	\$6.04 per Winter Day MWh
(d)	Subtransmission Maintenance charge	\$1.20 per Domestic Total MWh
(e)	Subtransmission Maintenance charge	\$1.20 per Commercial Total MWh
(f)	Subtransmission Maintenance charge	\$7.06 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) *Overhead lines, Underground Cables & Distribution Substations*

EIL City	\$5,226,480
EIL Bluff	\$217,770

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) *Overhead lines, Underground Cables & Distribution Substations*

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	\$653,310
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	\$28.36 per kVA Contract Capacity
(b)	Distribution Supply charge	\$32.23 per Winter Peak MWh
(c)	Distribution Supply charge	\$6.22 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	\$16.94 per kVA Contract Capacity
(b)	Distribution Supply charge	\$12.10 per Winter Peak MWh
(c)	Distribution Supply charge	\$2.35 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	\$310.87 per Transformer
(b)	Distribution Transformer maintenance charge	\$503.16 per Transformer

The Transformer charge of \$310.87 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	\$31.25 per kVA Contract Capacity
(b)	Distribution Supply charge	\$47.61 per Winter Peak MWh
(c)	Distribution Supply charge	\$11.90 per Winter Day MWh
(d)	Distribution Maintenance charge	\$1.69 per Domestic Total MWh
(e)	Distribution Maintenance charge	\$1.69 per Commercial Total MWh
(f)	Distribution Maintenance charge	\$3.08 per kVA Contract Capacity
(g)	Distribution Transformer charge	\$4.58 per kVA Contract Capacity

EIL Bluff

(a)	Distribution Supply charge	\$18.01 per kVA Contract Capacity
(b)	Distribution Supply charge	\$27.12 per Winter Peak MWh
(c)	Distribution Supply charge	\$7.07 per Winter Day MWh
(d)	Distribution Maintenance charge	\$3.80 per Domestic Total MWh
(e)	Distribution Maintenance charge	\$3.80 per Commercial Total MWh
(f)	Distribution Maintenance charge	\$6.71 per kVA Contract Capacity
(g)	Distribution Transformer charge	\$4.58 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	Subtransmission Charge	Distribution Charge	PowerNet Overhead Charge	Total PowerNet Charge
30	\$444	\$2,269	\$75	\$2,789
50	\$3,183	\$14,965	\$338	\$18,486
75	\$7,250	\$33,482	\$488	\$41,219
100	\$9,953	\$31,144	\$488	\$41,585
150	\$59,171	\$144,411	\$1,539	\$205,121
200	\$52,218	\$176,474	\$1,426	\$230,119
300	\$81,626	\$236,916	\$1,276	\$319,818
500	\$70,862	\$169,128	\$563	\$240,553
750	\$44,189	\$109,747	\$263	\$154,199
1000	\$12,041	\$72,078	\$113	\$84,231
1250	\$3,041	\$29,818	\$38	\$32,897
1750	\$45,680	\$33,310	\$38	\$79,027

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	Sub transmission Charge	Distribution Charge	PowerNet Overheads	Total PowerNet Revenue
Domestic						
Small Domestic (8kVA 1 Phase) - All Peak	ND08P	5	\$167	\$1,038	\$188	\$1,393
Small Domestic (8kVA 1 Phase) - With Off Peak	ND08Q	224	\$6,419	\$36,530	\$8,408	\$51,357
Standard Domestic (20kVA 1 Phase) - All Peak	ND20P	386	\$25,798	\$164,939	\$14,488	\$205,225
Standard Domestic (20kVA 1 Phase) - With Off Peak	ND20Q	13045	\$747,677	\$4,506,356	\$489,643	\$5,743,676
10% Fixed Charge Option - All Peak	NDL20P	20	\$1,098	\$2,449	\$751	\$4,297
10% Fixed Charge Option - With Off Peak	NDL20Q	239	\$11,206	\$18,782	\$8,971	\$38,960
10% Fixed Charge Option (8kVA 1 Phase) - All Peak	NDL08P	0	\$0	\$0	\$0	\$0
10% Fixed Charge Option (8kVA 1 Phase) - With Off Peak	NDL08Q	0	\$0	\$0	\$0	\$0
Non-Domestic Single Phase						
Street Lights (1 Phase)	NS001L	4470	\$7,443	\$121,160	\$3,939	\$132,541
1 kVA 1 Phase - All Peak	NS001P	272	\$9,311	\$76,285	\$10,209	\$95,805
8 kVA 1 Phase - All Peak	NS008P	106	\$3,542	\$22,012	\$3,979	\$29,533
8 kVA 1 Phase - With Off Peak	NS008Q	26	\$745	\$4,240	\$976	\$5,961
20 kVA 1 Phase - All Peak	NS020P	378	\$25,263	\$161,520	\$14,188	\$200,972
20 kVA 1 Phase - With Off Peak	NS020Q	175	\$10,030	\$60,453	\$6,569	\$77,052
Non-Domestic Three Phase						
15 kVA 3 Phase - All Peak	NT015P	39	\$2,444	\$14,295	\$1,464	\$18,203
15 kVA 3 Phase - With Off Peak	NT015Q	13	\$699	\$3,738	\$488	\$4,924
30 kVA 3 Phase - All Peak	NT030P	487	\$62,861	\$265,228	\$18,279	\$346,369
30 kVA 3 Phase - With Off Peak	NT030Q	162	\$17,898	\$71,054	\$6,081	\$95,033
50 kVA 3 Phase - All Peak	NT050P	265	\$75,064	\$366,996	\$9,947	\$452,007
50 kVA 3 Phase - With Off Peak	NT050Q	88	\$21,362	\$102,206	\$3,303	\$126,871
75 kVA 3 Phase - All Peak	NT075P	93	\$46,125	\$218,711	\$3,491	\$268,327
75 kVA 3 Phase - With Off Peak	NT075Q	12	\$5,094	\$23,771	\$450	\$29,316
100 kVA 3 Phase - All Peak	NT100P	41	\$32,376	\$126,370	\$1,539	\$160,285



**LINE PRICING METHODOLOGY FOR
THE ELECTRICITY INVERCARGILL LIMITED NETWORK AS AT 1 APRIL 2006**

Consumer Capacity	Code	Number of Connections	Sub transmission Charge	Distribution Charge	PowerNet Overheads	Total PowerNet Revenue
100 kVA 3 Phase - With Off Peak	NT100Q	7	\$4,731	\$18,708	\$263	\$23,702
EIL Bluff						
Domestic						
Small Domestic (8kVA 1 Phase) - All Peak	BD08P	1	\$143	\$98	\$38	\$279
Small Domestic (8kVA 1 Phase) - With Off Peak	BD08Q	10	\$1,225	\$692	\$375	\$2,293
Standard Domestic (20kVA 1 Phase) - All Peak	BD20P	162	\$46,474	\$33,576	\$6,081	\$86,131
Standard Domestic (20kVA 1 Phase) - With Off Peak	BD20Q	664	\$162,743	\$104,691	\$24,923	\$292,357
10% Fixed Charge Option - All Peak	BDL20P	12	\$3,099	\$2,487	\$450	\$6,037
10% Fixed Charge Option - With Off Peak	BDL20Q	16	\$3,521	\$2,523	\$601	\$6,644
10% Fixed Charge Option (8kVA 1 Phase) - All Peak	BDL08P	0	\$0	\$0	\$0	\$0
10% Fixed Charge Option (8kVA 1 Phase) - With Off Peak	BDL08Q	0	\$0	\$0	\$0	\$0
Non-Domestic Single Phase						
Street Lights (1 Phase)	BS001L	100	\$738.24	\$2,081.41	\$145.48	\$2,965
1 kVA 1 Phase - All Peak	BS001P	20	\$2,545.47	\$3,748.35	\$750.70	\$7,045
8 kVA 1 Phase - All Peak	BS008P	7	\$1,004.07	\$683.46	\$262.74	\$1,950
8 kVA 1 Phase - With Off Peak	BS008Q	2	\$245.09	\$138.38	\$75.07	\$459
20 kVA 1 Phase - All Peak	BS020P	35	\$10,040.67	\$7,254.10	\$1,313.72	\$18,608
20 kVA 1 Phase - With Off Peak	BS020Q	4	\$980.38	\$630.67	\$150.14	\$1,761
Non-Domestic Three Phase						
15 kVA 3 Phase - All Peak	BT015P	1	\$269	\$160	\$38	\$467
15 kVA 3 Phase - With Off Peak	BT015Q	1	\$230	\$111	\$38	\$379
30 kVA 3 Phase - All Peak	BT030P	39	\$22,585	\$3,690	\$1,464	\$27,738
30 kVA 3 Phase - With Off Peak	BT030Q	9	\$4,447	\$495	\$338	\$5,280
50 kVA 3 Phase - All Peak	BT050P	13	\$16,065	\$5,621	\$488	\$22,174
50 kVA 3 Phase - With Off Peak	BT050Q	5	\$5,276	\$1,745	\$188	\$7,209
75 kVA 3 Phase - All Peak	BT075P	10	\$22,251	\$6,226	\$375	\$28,852
75 kVA 3 Phase - With Off Peak	BT075Q	3	\$5,696	\$1,521	\$113	\$7,329
100 kVA 3 Phase - All Peak	BT100P	2	\$7,085	\$658	\$75	\$7,819
100 kVA 3 Phase - With Off Peak	BT100Q	1	\$3,023	\$326	\$38	\$3,386



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 \$51.64 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 \$51.64. This method of calculating the fixed charge accounts for the fact that some installations have negative fixed charges.

The Variable Charge of \$51.64 per MWh of daytime sales equates to \$49.31 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	3	\$7,061	\$2,354
50	8	\$21,648	\$2,706
75	13	\$58,954	\$4,535
100	12	\$55,363	\$4,614
150	40	\$287,601	\$7,190
200	37	\$326,504	\$8,824
300	31	\$410,823	\$13,252
500	15	\$352,228	\$23,482
750	6	\$180,913	\$30,152
1000	3	\$111,310	\$37,103
1250	1	\$38,598	\$38,598
1750	1	\$143,663	\$143,663



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	\$0.46	\$51.64	\$1,773.17
Small Domestic (8kVA 1 Phase) - With Off Peak	ND08Q	224	\$0.32	\$51.64	\$65,585.01
Standard Domestic (20kVA 1 Phase) - All Peak	ND20P	386	\$0.85	\$51.64	\$263,915.13
Standard Domestic (20kVA 1 Phase) - With Off Peak	ND20Q	13045	\$0.59	\$51.64	\$7,400,825.87
10% Fixed Charge Option - All Peak	NDL20P	20	\$0.15	\$87.24	\$6,703.04
10% Fixed Charge Option - With Off Peak	NDL20Q	239	\$0.00	\$87.24	\$63,160.26
10% Fixed Charge Option (8kVA 1 Phase) - All Peak	NDL08P	0	\$0.15	\$70.50	\$0.00
10% Fixed Charge Option (8kVA 1 Phase) - With Off Peak	NDL08Q	0	\$0.00	\$70.50	\$0.00
Non-Domestic Single Phase					
Street Lights (1 Phase)	NS001L	4470	\$0.07	\$51.64	\$149,259.94
1 kVA 1 Phase - All Peak	NS001P	272	\$0.33	\$51.64	\$118,077.75
8 kVA 1 Phase - All Peak	NS008P	106	\$0.46	\$51.64	\$37,591.20
8 kVA 1 Phase - With Off Peak	NS008Q	26	\$0.32	\$51.64	\$7,612.55
20 kVA 1 Phase - All Peak	NS020P	378	\$0.85	\$51.64	\$258,445.38
20 kVA 1 Phase - With Off Peak	NS020Q	175	\$0.59	\$51.64	\$99,282.83
Non-Domestic Three Phase					
15 kVA 3 Phase - All Peak	NT015P	39	\$0.71	\$51.64	\$23,152.50
15 kVA 3 Phase - With Off Peak	NT015Q	13	\$0.46	\$51.64	\$6,472.46
30 kVA 3 Phase - All Peak	NT030P	487	\$1.19	\$51.64	\$482,892.14
30 kVA 3 Phase - With Off Peak	NT030Q	162	\$0.81	\$51.64	\$134,224.27
50 kVA 3 Phase - All Peak	NT050P	265	\$2.43	\$51.64	\$621,701.89
50 kVA 3 Phase - With Off Peak	NT050Q	88	\$1.65	\$51.64	\$172,033.44
75 kVA 3 Phase - All Peak	NT075P	93	\$4.99	\$51.64	\$371,437.14
75 kVA 3 Phase - With Off Peak	NT075Q	12	\$3.63	\$51.64	\$40,470.57
100 kVA 3 Phase - All Peak	NT100P	41	\$6.07	\$51.64	\$226,983.69
100 kVA 3 Phase - With Off Peak	NT100Q	7	\$4.40	\$51.64	\$34,062.18
EIL Bluff					
Domestic					
Small Domestic (8kVA 1 Phase) - All Peak	BD08P	1	\$0.46	\$51.64	\$354.63
Small Domestic (8kVA 1 Phase) - With Off Peak	BD08Q	10	\$0.32	\$51.64	\$2,927.90
Standard Domestic (20kVA 1 Phase) - All Peak	BD20P	162	\$0.85	\$51.64	\$110,762.31
Standard Domestic (20kVA 1 Phase) - With Off Peak	BD20Q	664	\$0.59	\$51.64	\$376,707.43
10% Fixed Charge Option - All Peak	BDL20P	12	\$0.15	\$87.24	\$4,021.82
10% Fixed Charge Option - With Off Peak	BDL20Q	16	\$0.00	\$87.24	\$4,228.30
10% Fixed Charge Option (8kVA 1 Phase) - All Peak	BDL08P	0	\$0.15	\$70.50	\$0.00
10% Fixed Charge Option (8kVA 1 Phase) - With Off Peak	BDL08Q	0	\$0.00	\$70.50	\$0.00
Non-Domestic Single Phase					
Street Lights (1 Phase)	BS001L	100	\$0.07	\$51.64	\$3,339.15
1 kVA 1 Phase - All Peak	BS001P	20	\$0.33	\$51.64	\$8,682.19
8 kVA 1 Phase - All Peak	BS008P	7	\$0.46	\$51.64	\$2,482.44
8 kVA 1 Phase - With Off Peak	BS008Q	2	\$0.32	\$51.64	\$585.58
20 kVA 1 Phase - All Peak	BS020P	35	\$0.85	\$51.64	\$23,930.13
20 kVA 1 Phase - With Off Peak	BS020Q	4	\$0.59	\$51.64	\$2,269.32
Non-Domestic Three Phase					
15 kVA 3 Phase - All Peak	BT015P	1	\$0.71	\$51.64	\$609.28
15 kVA 3 Phase - With Off Peak	BT015Q	1	\$0.46	\$51.64	\$497.88
30 kVA 3 Phase - All Peak	BT030P	39	\$1.19	\$51.64	\$38,991.29
30 kVA 3 Phase - With Off Peak	BT030Q	9	\$0.81	\$51.64	\$7,456.90
50 kVA 3 Phase - All Peak	BT050P	13	\$2.43	\$51.64	\$30,498.58



LINE PRICING METHODOLOGY FOR
THE ELECTRICITY INVERCARGILL LIMITED NETWORK AS AT 1 APRIL 2006

Consumer Capacity	Code	Number of Connections	Fixed Charge per Day	Variable Charge per Day MWh Sales	Line Charge Revenue per Consumer Group
50 kVA 3 Phase - With Off Peak	BT050Q	5	\$1.65	\$51.64	\$9,886.98
75 kVA 3 Phase - All Peak	BT075P	10	\$4.99	\$51.64	\$39,939.48
75 kVA 3 Phase - With Off Peak	BT075Q	3	\$3.63	\$51.64	\$10,117.64
100 kVA 3 Phase - All Peak	BT100P	2	\$6.07	\$51.64	\$11,349.18
100 kVA 3 Phase - With Off Peak	BT100Q	1	\$4.40	\$51.64	\$4,866.03



10. LINE CHARGE TABLES

10.1 Line Charge Breakdown for Individual Customers

ICP Number	Contract Capacity kVA	Transpower Charge	Subtransmission Charge	Distribution Charge	PowerNet Overhead Charge	Total Line Charge	Fixed Charge per annum	Variable Charge per Day MWh
880323NV-EBD	150	\$1,818	\$758	\$3,723	\$38	\$6,337	\$3,169	\$3,169
9003081NV-OFF	200	\$4,180	\$1,762	\$5,427	\$38	\$11,406	\$5,703	\$5,703
740649NV-C13	75	\$1,702	\$694	\$2,790	\$38	\$5,224	\$2,612	\$2,612
900390NV-B86	300	\$5,349	\$2,417	\$5,939	\$38	\$13,742	\$2,137	\$11,605
880327NV-FB7	300	\$9,489	\$4,030	\$9,459	\$38	\$23,015	(\$18,895)	\$41,910
8102959NV-5D5	300	\$5,426	\$2,165	\$7,689	\$38	\$15,317	\$7,658	\$7,658
900350NV-C69	100	\$2,437	\$1,008	\$2,806	\$38	\$6,289	\$3,144	\$3,144
810201NV-DAD	150	\$1,496	\$615	\$3,096	\$38	\$5,245	\$2,622	\$2,622
7341266NV-3A6	150	\$2,000	\$897	\$3,103	\$38	\$6,039	\$3,019	\$3,019
734355NV-C9C	300	\$2,809	\$1,258	\$6,017	\$38	\$10,122	(\$4,030)	\$14,152
784100NV-DD5	30	\$466	\$186	\$1,034	\$38	\$1,724	\$862	\$862
850948NV-9C2	30	\$657	\$259	\$1,235	\$38	\$2,188	\$1,094	\$1,094
900327NV-4FE	50	\$1,441	\$607	\$2,481	\$38	\$4,567	\$2,283	\$2,283
8803283NV-7B5	150	\$4,710	\$2,056	\$4,776	\$38	\$11,580	\$5,790	\$5,790
740385NV-DE7	200	\$3,226	\$1,387	\$5,070	\$38	\$9,721	\$4,860	\$4,860
9003503NV-035	200	\$3,262	\$1,409	\$4,784	\$38	\$9,492	\$4,746	\$4,746
8509006NV-D55	150	\$2,074	\$875	\$3,784	\$38	\$6,771	\$3,385	\$3,385
900360NV-B91	500	\$7,737	\$3,561	\$9,050	\$38	\$20,386	\$10,193	\$10,193
880344NV-C87	300	\$3,959	\$1,771	\$5,707	\$38	\$11,476	\$1,615	\$9,861
8305374NV-169	200	\$3,935	\$1,695	\$4,483	\$38	\$10,150	\$2,034	\$8,116
8803044NV-797	75	\$1,398	\$584	\$2,355	\$38	\$4,374	(\$66)	\$4,440
7433294NV-FC6	150	\$2,399	\$1,046	\$3,182	\$38	\$6,664	\$1,677	\$4,987
743331NV-CBF	150	\$2,361	\$1,028	\$3,141	\$38	\$6,567	\$1,969	\$4,598
900330NV-399	500	\$15,185	\$6,545	\$16,573	\$38	\$38,340	\$19,170	\$19,170
740373NV-C7F	200	\$3,265	\$1,390	\$4,858	\$38	\$9,551	\$4,775	\$4,775
721862NV-A61	50	\$1,111	\$461	\$2,094	\$38	\$3,703	\$1,852	\$1,852
8803601NV-E7B	150	\$4,542	\$1,990	\$4,776	\$38	\$11,347	(\$9,688)	\$21,034
8548111NV-903	75	\$1,851	\$757	\$3,019	\$38	\$5,665	(\$1,786)	\$7,451
734326NV-501	200	\$2,433	\$959	\$4,636	\$38	\$8,065	\$1,192	\$6,874
734325NV-9C1	150	\$284	\$126	\$2,551	\$38	\$3,000	\$2,534	\$465
850920NV-426	50	\$705	\$302	\$1,544	\$38	\$2,589	\$1,294	\$1,294
9003114NV-B53	50	\$1,042	\$445	\$1,808	\$38	\$3,332	\$1,666	\$1,666
734165NV-163	750	\$10,080	\$4,114	\$17,012	\$38	\$31,243	\$15,622	\$15,622
8541431NVDF3	150	\$2,894	\$1,227	\$3,523	\$38	\$7,681	\$1,407	\$6,274
722703NV-43B	200	\$2,772	\$1,255	\$3,990	\$38	\$8,055	\$2,918	\$5,137
90030815NV-060	500	\$1,238	\$754	\$8,743	\$38	\$10,773	\$5,386	\$5,386
734846NV-9FF	50	\$370	\$191	\$1,113	\$38	\$1,711	\$1,135	\$576
900356NV-DE6	300	\$6,523	\$2,759	\$7,044	\$38	\$16,363	(\$6,086)	\$22,449



LINE PRICING METHODOLOGY FOR
THE ELECTRICITY INVERCARGILL LIMITED NETWORK AS AT 1 APRIL 2006

ICP Number	Contract Capacity kVA	Transpower Charge	Subtransmission Charge	Distribution Charge	PowerNet Overhead Charge	Total Line Charge	Fixed Charge per annum	Variable Charge per Day MWh
8665558NV-6AF	200	\$2,450	\$1,031	\$4,582	\$38	\$8,101	\$4,050	\$4,050
8803767NV-900	150	\$3,846	\$1,568	\$4,730	\$38	\$10,182	(\$7,238)	\$17,420
880360NV-0D8	150	\$5,243	\$2,177	\$6,154	\$38	\$13,611	(\$18,031)	\$31,642
740394NV-B0F	200	\$3,232	\$1,265	\$5,083	\$38	\$9,618	(\$3,645)	\$13,263
9003071NV-0E8	300	\$10,710	\$4,647	\$9,257	\$38	\$24,652	\$12,326	\$12,326
7302277NV-C3B	75	\$318	\$134	\$1,768	\$38	\$2,258	\$1,129	\$1,129
733379NV-6B7	50	\$128	\$57	\$1,080	\$38	\$1,302	\$651	\$651
8509026NV-000	500	\$5,646	\$2,408	\$10,453	\$38	\$18,545	\$9,273	\$9,273
7551948NV-7E0	300	\$5,234	\$2,158	\$7,048	\$38	\$14,478	\$7,239	\$7,239
7301627NV-AD2	100	\$1,848	\$771	\$2,429	\$38	\$5,086	\$2,543	\$2,543
9003385NV-2F6	150	\$3,032	\$1,277	\$3,921	\$38	\$8,267	\$4,134	\$4,134
9003117NV-793	300	\$6,359	\$2,850	\$7,394	\$38	\$16,640	\$8,320	\$8,320
7403085NV-205	200	\$2,986	\$1,259	\$4,830	\$38	\$9,112	\$4,556	\$4,556
900305NV-92E	750	\$4,235	\$2,138	\$14,411	\$38	\$20,822	\$10,411	\$10,411
900306NV-5EE	750	\$11,978	\$5,391	\$14,099	\$38	\$31,505	\$15,753	\$15,753
744103NV-5A5	750	\$9,834	\$4,126	\$17,051	\$38	\$31,049	\$15,525	\$15,525
734318NV-162	300	\$1,569	\$645	\$5,727	\$38	\$7,978	\$3,989	\$3,989
734470NV-384	300	\$2,467	\$874	\$6,376	\$38	\$9,753	(\$2,450)	\$12,203
754696NV-0EE	300	\$332	\$218	\$4,941	\$38	\$5,529	\$2,764	\$2,764
831121NV-B96	300	\$1,772	\$780	\$5,219	\$38	\$7,809	\$3,904	\$3,904
754690NV-161	150	\$1,734	\$804	\$2,624	\$38	\$5,200	\$4,429	\$771
9003083NV-07A	500	\$9,466	\$4,076	\$12,751	\$38	\$26,330	\$13,165	\$13,165
900313NV-20C	300	\$7,361	\$3,028	\$8,218	\$38	\$18,646	\$9,323	\$9,323
880314NV-48F	300	\$4,018	\$1,780	\$5,967	\$38	\$11,803	\$5,902	\$5,902
880363NV-C18	200	\$3,224	\$1,358	\$4,848	\$38	\$9,468	\$4,734	\$4,734
880302NV-FAD	150	\$4,597	\$1,914	\$5,060	\$38	\$11,608	\$5,804	\$5,804
8803047NV-B57	150	\$2,467	\$1,042	\$3,568	\$38	\$7,115	\$3,557	\$3,557
73015753NV-A0E	150	\$2,360	\$981	\$3,733	\$38	\$7,111	\$3,555	\$3,555
900337NV-E53	100	\$817	\$362	\$2,038	\$38	\$3,255	\$1,627	\$1,627
8803625NV-224	100	\$1,117	\$470	\$2,249	\$38	\$3,873	\$1,936	\$1,936
9003212NV-9DF	100	\$1,397	\$578	\$2,440	\$38	\$4,453	\$2,226	\$2,226
7301102NV-5CA	100	\$817	\$339	\$2,099	\$38	\$3,293	\$1,646	\$1,646
880308NV-D3C	75	\$2,033	\$862	\$3,242	\$38	\$6,174	\$3,087	\$3,087
8803164NV-3C6	75	\$2,053	\$839	\$3,212	\$38	\$6,142	\$3,071	\$3,071
8803165NV-F83	50	\$1,120	\$467	\$1,986	\$38	\$3,611	\$1,805	\$1,805
9003603NV-336	300	\$7,082	\$2,978	\$7,853	\$38	\$17,951	\$8,975	\$8,975
9003051NV-DBD	300	\$9,921	\$4,147	\$9,116	\$38	\$23,222	\$11,611	\$11,611
7757907NV-783	300	\$7,991	\$3,402	\$7,527	\$38	\$18,957	\$9,479	\$9,479
744610NV-CCA	150	\$2,087	\$1,076	\$3,542	\$38	\$6,743	(\$11,961)	\$18,704
880336NV-95F	300	\$11,987	\$5,053	\$9,760	\$38	\$26,837	(\$12,933)	\$39,770
880303NV-3E8	300	\$2,853	\$1,200	\$6,037	\$38	\$10,128	\$5,064	\$5,064
880321NV-E38	200	\$3,801	\$1,598	\$5,321	\$38	\$10,759	\$5,379	\$5,379
8665382NV-F7A	150	\$6,457	\$2,780	\$5,149	\$38	\$14,424	(\$3,303)	\$17,727



LINE PRICING METHODOLOGY FOR
THE ELECTRICITY INVERCARGILL LIMITED NETWORK AS AT 1 APRIL 2006

ICP Number	Contract Capacity kVA	Transpower Charge	Subtransmission Charge	Distribution Charge	PowerNet Overhead Charge	Total Line Charge	Fixed Charge per annum	Variable Charge per Day MWh
721876NV-1C6	200	\$1,027	\$459	\$3,796	\$38	\$5,320	\$2,660	\$2,660
750191NV-4A6	150	\$2,425	\$996	\$3,655	\$38	\$7,114	(\$1,576)	\$8,689
880317NV-84F	300	\$2,703	\$1,171	\$5,607	\$38	\$9,519	\$4,760	\$4,760
9003244NV-058	300	\$6,699	\$2,751	\$8,322	\$38	\$17,809	\$8,905	\$8,905
7447592NV-D72	150	\$2,187	\$908	\$3,664	\$38	\$6,797	\$3,398	\$3,398
7350104NV-691	75	\$569	\$231	\$1,928	\$38	\$2,765	\$1,383	\$1,383
743312NV-D2A	150	\$3,264	\$1,407	\$3,435	\$38	\$8,144	\$1,662	\$6,482
8665408NV-7A3	150	\$2,667	\$1,197	\$2,951	\$38	\$6,853	\$3,394	\$3,459
9003243NV-D92	200	\$5,139	\$2,274	\$6,230	\$38	\$13,681	(\$9,906)	\$23,586
880361NV-C9D	500	\$11,478	\$4,913	\$13,681	\$38	\$30,110	\$15,055	\$15,055
7302979NV-CAE	150	\$4,340	\$1,856	\$3,771	\$38	\$10,004	\$1,514	\$8,490
744655NV-320	200	\$2,868	\$1,200	\$5,097	\$38	\$9,203	\$4,601	\$4,601
7341276NV-90B	200	\$3,266	\$1,468	\$4,420	\$38	\$9,192	\$4,596	\$4,596
7341272NV-801	150	\$2,036	\$896	\$3,111	\$38	\$6,080	\$3,040	\$3,040
880316NV-40A	300	\$3,042	\$1,261	\$6,075	\$38	\$10,416	\$5,208	\$5,208
900325NV-47B	500	\$18,235	\$7,745	\$18,152	\$38	\$44,170	\$22,085	\$22,085
8803034NV-2CA	200	\$1,828	\$743	\$4,430	\$38	\$7,039	\$3,520	\$3,520
7317032NV-617	200	\$5,327	\$2,189	\$6,064	\$38	\$13,617	\$6,808	\$6,808
9003573NV-568	200	\$5,556	\$2,397	\$5,138	\$38	\$13,127	(\$1,701)	\$14,829
880375NV-73A	300	\$3,384	\$1,547	\$5,285	\$38	\$10,254	\$9,916	\$7,338
880309NV-179	300	\$3,808	\$1,603	\$6,600	\$38	\$12,048	(\$4,699)	\$16,747
8144266NV-0A8	200	\$754	\$317	\$3,913	\$38	\$5,022	\$555	\$4,467
880329NV-C2C	1000	\$23,646	\$10,443	\$31,532	\$38	\$65,658	\$32,829	\$32,829
7205085NV-6A2	100	\$2,016	\$758	\$2,784	\$38	\$5,595	(\$3,049)	\$8,644
8305967NV-D0E	750	\$1,980	\$826	\$12,788	\$38	\$15,632	\$7,816	\$7,816
730158NV-F40	50	\$1,001	\$440	\$1,862	\$38	\$3,340	(\$2,602)	\$5,942
7501996NV-A4D	150	\$1,179	\$499	\$3,291	\$38	\$5,007	(\$1,414)	\$6,421
7341792NV-7BE	200	\$2,269	\$958	\$4,692	\$38	\$7,957	\$3,979	\$3,979
900381NV-D6E	200	\$2,695	\$1,273	\$3,518	\$38	\$7,523	\$6,500	\$1,024
9003235NV-940	500	\$9,862	\$4,460	\$11,526	\$38	\$25,885	\$12,942	\$12,942
880397NV-D05	1000	\$1,373	\$600	\$21,698	\$38	\$23,709	\$11,854	\$11,854
880398NV-2DB	500	\$308	\$143	\$7,817	\$38	\$8,305	\$4,153	\$4,153
722709NV-6AA	500	\$2,159	\$955	\$8,587	\$38	\$11,739	\$5,870	\$5,870
724187NV-3BD	150	\$2,251	\$919	\$3,702	\$38	\$6,910	(\$3,099)	\$10,009
754608NV-C92	50	\$405	\$214	\$995	\$38	\$1,651	\$1,651	\$0
760737NV-A1C	300	\$7,028	\$2,959	\$6,909	\$38	\$16,933	\$2,151	\$14,782
9003082NV-C3F	75	\$1,701	\$705	\$2,917	\$38	\$5,360	\$2,680	\$2,680
836516NV-9C5	200	\$513	\$215	\$3,674	\$38	\$4,439	\$1,976	\$2,463
9003995NV-251	300	\$4,358	\$1,909	\$6,594	\$38	\$12,898	(\$2,928)	\$15,826
724195NV-995	150	\$1,935	\$865	\$2,853	\$38	\$5,692	\$3,477	\$2,215
731878NV-ABC	150	\$3,117	\$1,358	\$3,312	\$38	\$7,823	\$1,244	\$6,579
8305977NV-7A3	200	\$4,801	\$2,033	\$5,095	\$38	\$11,966	(\$36)	\$12,002
825292NV-886	500	\$6,451	\$2,713	\$9,902	\$38	\$19,103	\$9,552	\$9,552



**LINE PRICING METHODOLOGY FOR
THE ELECTRICITY INVERCARGILL LIMITED NETWORK AS AT 1 APRIL 2006**

ICP Number	Contract Capacity kVA	Transpower Charge	Subtransmission Charge	Distribution Charge	PowerNet Overhead Charge	Total Line Charge	Fixed Charge per annum	Variable Charge per Day MWh
900384NV-021	500	\$12,399	\$5,177	\$13,298	\$38	\$30,912	\$15,456	\$15,456
900383NV-DEB	500	\$9,383	\$4,314	\$10,507	\$38	\$24,241	\$12,121	\$12,121
730262NV-92A	100	\$2,246	\$955	\$2,405	\$38	\$5,644	\$97	\$5,547
7350005NV-3D0	75	\$940	\$385	\$2,128	\$38	\$3,490	\$555	\$2,935
734360NV-62B	75	\$2,293	\$961	\$3,629	\$38	\$6,921	(\$4,423)	\$11,343
735249NV-D8B	200	\$2,319	\$1,004	\$4,272	\$38	\$7,632	\$1,460	\$6,172
9003053NV-D38	300	\$8,082	\$3,535	\$7,907	\$38	\$19,560	\$9,780	\$9,780
850908NV-B67	750	\$12,883	\$5,538	\$19,157	\$38	\$37,616	\$18,808	\$18,808
734110NV-971	300	\$5,686	\$2,548	\$6,285	\$38	\$14,556	\$7,278	\$7,278
7501257NV-2E9	150	\$1,549	\$651	\$3,043	\$38	\$5,281	\$1,984	\$3,298
7350693NV-BBE	75	\$783	\$336	\$1,933	\$38	\$3,089	\$977	\$2,112
7447181NV-71E	75	\$712	\$294	\$2,205	\$38	\$3,249	\$1,624	\$1,624
900358NV-E7D	200	\$3,781	\$1,637	\$4,353	\$38	\$9,808	\$3,065	\$6,744
734460NV-929	200	\$3,521	\$1,554	\$5,439	\$38	\$10,551	(\$7,333)	\$17,883
724179NV-031	100	\$1,197	\$536	\$1,887	\$38	\$3,658	\$1,829	\$1,829
8425758NV-FE5	150	\$4,199	\$1,747	\$4,415	\$38	\$10,398	\$5,199	\$5,199
7302953NV-36A	300	\$4,875	\$2,177	\$6,333	\$38	\$13,423	\$6,711	\$6,711
880330NV-8D0	200	\$4,703	\$1,997	\$5,432	\$38	\$12,170	(\$5,016)	\$17,186
900351NV-02C	200	\$4,177	\$1,877	\$6,085	\$38	\$12,177	\$6,088	\$6,088
7341793NV-BFB	100	\$1,551	\$640	\$2,406	\$38	\$4,634	\$2,317	\$2,317
7406224NV-B78	100	\$3,004	\$1,259	\$2,799	\$38	\$7,100	\$3,550	\$3,550
734188NV-482	300	\$8,397	\$3,519	\$8,930	\$38	\$20,883	\$10,442	\$10,442
800449NV-3FB	75	\$1,182	\$468	\$2,356	\$38	\$4,043	(\$175)	\$4,218
900308NV-675	1250	\$6,854	\$3,041	\$29,818	\$38	\$39,751	\$19,875	\$19,875
8305981NV-63B	200	\$1,647	\$690	\$4,112	\$38	\$6,486	\$829	\$5,657
750123NV-691	200	\$539	\$247	\$3,494	\$38	\$4,316	\$3,548	\$769
832431NV-6DE	1000	\$1,965	\$998	\$18,848	\$38	\$21,848	\$10,924	\$10,924
900319NV-09D	200	\$5,459	\$2,142	\$6,112	\$38	\$13,751	(\$6,573)	\$20,323
740630NV-71F	150	\$3,970	\$1,681	\$3,858	\$38	\$9,547	\$4,774	\$4,774
9003193NV-3D3	200	\$3,061	\$1,402	\$3,812	\$38	\$8,313	\$4,766	\$3,547
744586NV-1A1	150	\$2,323	\$1,056	\$2,854	\$38	\$6,271	\$3,134	\$3,137
744502NV-5E1	200	\$2,323	\$1,034	\$3,844	\$38	\$7,239	\$3,976	\$3,263
744592NV-A06	200	\$2,126	\$959	\$3,796	\$38	\$6,919	\$3,952	\$2,967
731881NV-4FA	200	\$4,210	\$1,799	\$4,715	\$38	\$10,762	\$125	\$10,638
8509025NV-CC0	300	\$6,831	\$2,800	\$8,127	\$38	\$17,795	\$8,897	\$8,897
8803032NV-345	150	\$2,089	\$835	\$3,686	\$38	\$6,647	\$3,324	\$3,324
900342NV-641	100	\$3,697	\$1,544	\$3,311	\$38	\$8,589	\$4,295	\$4,295
744608NV-473	300	\$6,160	\$2,659	\$7,328	\$38	\$16,185	\$8,093	\$8,093
933534NV-759	200	\$743	\$1,107	\$3,569	\$38	\$5,456	\$2,728	\$2,728
931777NV-07B	750	\$16,961	\$22,057	\$15,228	\$38	\$54,283	\$27,141	\$27,141
931775NV-0FE	150	\$2,230	\$2,950	\$2,437	\$38	\$7,654	\$4,362	\$3,292
930503NV-F8B	150	\$682	\$831	\$2,447	\$38	\$3,997	\$1,999	\$1,999
930505NV-E04	100	\$312	\$733	\$1,490	\$38	\$2,573	\$2,266	\$307



LINE PRICING METHODOLOGY FOR
THE ELECTRICITY INVERCARGILL LIMITED NETWORK AS AT 1 APRIL 2006

ICP Number	Contract Capacity kVA	Transpower Charge	Subtransmission Charge	Distribution Charge	PowerNet Overhead Charge	Total Line Charge	Fixed Charge per annum	Variable Charge per Day MWh
920755NV-4EA	150	\$3,661	\$4,977	\$3,504	\$38	\$12,180	\$6,090	\$6,090
931776NV-C3E	150	\$3,228	\$3,881	\$2,871	\$38	\$10,018	(\$229)	\$10,247
930921NV-E57	200	\$2,341	\$2,878	\$3,460	\$38	\$8,716	\$1,875	\$6,841



10.2 Line Charge Breakdown for Group Customers

Consumer Capacity	Code	Number of Connections	TransPower Charge	Sub transmission Charge	Distribution Charge	PowerNet Overheads	Fixed Charge per Day	Variable Charge per Day MWh Sales
Domestic								
Small Domestic (8kVA 1 Phase) - All Peak	ND08P	5	\$380	\$167	\$1,038	\$188	\$0.46	\$51.64
Small Domestic (8kVA 1 Phase) - With Off Peak	ND08Q	224	\$14,228	\$6,419	\$36,530	\$8,408	\$0.32	\$51.64
Standard Domestic (20kVA 1 Phase) - All Peak	ND20P	386	\$58,690	\$25,798	\$164,939	\$14,488	\$0.85	\$51.64
Standard Domestic (20kVA 1 Phase) - With Off Peak	ND20Q	13045	\$1,657,150	\$747,677	\$4,506,356	\$489,643	\$0.59	\$51.64
10% Fixed Charge Option - All Peak	NDL20P	20	\$2,406	\$1,098	\$2,449	\$751	\$0.15	\$87.24
10% Fixed Charge Option - With Off Peak	NDL20Q	239	\$24,201	\$11,206	\$18,782	\$8,971	\$0.00	\$87.24
10% Fixed Charge Option (8kVA 1 Phase) - All Peak	NDL08P	0	\$0	\$0	\$0	\$0	\$0.15	\$70.50
10% Fixed Charge Option (8kVA 1 Phase) - With Off Peak	NDL08Q	0	\$0	\$0	\$0	\$0	\$0.00	\$70.50
Non-Domestic Single Phase								
Street Lights (1 Phase)	NS001L	4470	\$16,719	\$7,443	\$121,160	\$3,939	\$0.07	\$51.64
1 kVA 1 Phase - All Peak	NS001P	272	\$22,272	\$9,311	\$76,285	\$10,209	\$0.33	\$51.64
8 kVA 1 Phase - All Peak	NS008P	106	\$8,058	\$3,542	\$22,012	\$3,979	\$0.46	\$51.64
8 kVA 1 Phase - With Off Peak	NS008Q	26	\$1,651	\$745	\$4,240	\$976	\$0.32	\$51.64
20 kVA 1 Phase - All Peak	NS020P	378	\$57,474	\$25,263	\$161,520	\$14,188	\$0.85	\$51.64
20 kVA 1 Phase - With Off Peak	NS020Q	175	\$22,231	\$10,030	\$60,453	\$6,569	\$0.59	\$51.64
Non-Domestic Three Phase								
15 kVA 3 Phase - All Peak	NT015P	39	\$5,559	\$2,444	\$14,295	\$1,464	\$0.71	\$51.64
15 kVA 3 Phase - With Off Peak	NT015Q	13	\$1,548	\$699	\$3,738	\$488	\$0.46	\$51.64
30 kVA 3 Phase - All Peak	NT030P	487	\$140,522	\$62,861	\$265,228	\$18,279	\$1.19	\$51.64
30 kVA 3 Phase - With Off Peak	NT030Q	162	\$39,192	\$17,898	\$71,054	\$6,081	\$0.81	\$51.64
50 kVA 3 Phase - All Peak	NT050P	265	\$169,695	\$75,064	\$366,996	\$9,947	\$2.43	\$51.64
50 kVA 3 Phase - With Off Peak	NT050Q	88	\$47,140	\$21,362	\$102,206	\$3,303	\$1.65	\$51.64
75 kVA 3 Phase - All Peak	NT075P	93	\$103,110	\$46,125	\$218,711	\$3,491	\$4.99	\$51.64
75 kVA 3 Phase - With Off Peak	NT075Q	12	\$11,155	\$5,094	\$23,771	\$450	\$3.63	\$51.64
100 kVA 3 Phase - All Peak	NT100P	41	\$72,374	\$32,376	\$126,370	\$1,539	\$6.07	\$51.64
100 kVA 3 Phase - With Off Peak	NT100Q	7	\$10,360	\$4,731	\$18,708	\$263	\$4.40	\$51.64
EIL Bluff								
Domestic								
Small Domestic (8kVA 1 Phase) - All Peak	BD08P	1	\$76	\$143	\$98	\$38	\$0.46	\$51.64
Small Domestic (8kVA 1 Phase) - With Off Peak	BD08Q	10	\$635	\$1,225	\$692	\$375	\$0.32	\$51.64
Standard Domestic (20kVA 1 Phase) - All Peak	BD20P	162	\$24,632	\$46,474	\$33,576	\$6,081	\$0.85	\$51.64
Standard Domestic (20kVA 1 Phase) - With Off Peak	BD20Q	664	\$84,350	\$162,743	\$104,691	\$24,923	\$0.59	\$51.64
10% Fixed Charge Option - All Peak	BDL20P	12	\$1,443	\$3,099	\$2,487	\$450	\$0.15	\$87.24
10% Fixed Charge Option - With Off Peak	BDL20Q	16	\$1,620	\$3,521	\$2,523	\$601	\$0.00	\$87.24



LINE PRICING METHODOLOGY FOR
THE ELECTRICITY INVERCARGILL LIMITED NETWORK AS AT 1 APRIL 2006

Consumer Capacity	Code	Number of Connections	TransPower Charge	Sub transmission Charge	Distribution Charge	PowerNet Overheads	Fixed Charge per Day	Variable Charge per Day MWh Sales
10% Fixed Charge Option (8kVA 1 Phase) - All Peak	BDL08P	0	\$0	\$0	\$0	\$0	\$0.15	\$70.50
10% Fixed Charge Option (8kVA 1 Phase) - With Off Peak	BDL08Q	0	\$0	\$0	\$0	\$0	\$0.00	\$70.50
Non-Domestic Single Phase								
Street Lights (1 Phase)	BS001L	100	\$374.02	\$738.24	\$2,081.41	\$145.48	\$0.07	\$51.64
1 kVA 1 Phase - All Peak	BS001P	20	\$1,637.68	\$2,545.47	\$3,748.35	\$750.70	\$0.33	\$51.64
8 kVA 1 Phase - All Peak	BS008P	7	\$532.16	\$1,004.07	\$683.46	\$262.74	\$0.46	\$51.64
8 kVA 1 Phase - With Off Peak	BS008Q	2	\$127.03	\$245.09	\$138.38	\$75.07	\$0.32	\$51.64
20 kVA 1 Phase - All Peak	BS020P	35	\$5,321.64	\$10,040.67	\$7,254.10	\$1,313.72	\$0.85	\$51.64
20 kVA 1 Phase - With Off Peak	BS020Q	4	\$508.13	\$980.38	\$630.67	\$150.14	\$0.59	\$51.64
Non-Domestic Three Phase								
15 kVA 3 Phase - All Peak	BT015P	1	\$143	\$269	\$160	\$38	\$0.71	\$51.64
15 kVA 3 Phase - With Off Peak	BT015Q	1	\$119	\$230	\$111	\$38	\$0.46	\$51.64
30 kVA 3 Phase - All Peak	BT030P	39	\$11,253	\$22,585	\$3,690	\$1,464	\$1.19	\$51.64
30 kVA 3 Phase - With Off Peak	BT030Q	9	\$2,177	\$4,447	\$495	\$338	\$0.81	\$51.64
50 kVA 3 Phase - All Peak	BT050P	13	\$8,325	\$16,065	\$5,621	\$488	\$2.43	\$51.64
50 kVA 3 Phase - With Off Peak	BT050Q	5	\$2,678	\$5,276	\$1,745	\$188	\$1.65	\$51.64
75 kVA 3 Phase - All Peak	BT075P	10	\$11,087	\$22,251	\$6,226	\$375	\$4.99	\$51.64
75 kVA 3 Phase - With Off Peak	BT075Q	3	\$2,789	\$5,696	\$1,521	\$113	\$3.63	\$51.64
100 kVA 3 Phase - All Peak	BT100P	2	\$3,530	\$7,085	\$658	\$75	\$6.07	\$51.64
100 kVA 3 Phase - With Off Peak	BT100Q	1	\$1,480	\$3,023	\$326	\$38	\$4.40	\$51.64