

POWERNET LIMITED LINE PRICING METHODOLOGY FOR THE ELECTRICITY INVERCARGILL LIMITED NETWORK AS AT 1 APRIL 2009

1. INTRODUCTION

- 1.1 PowerNet Limited (PNL) has a responsibility for the management of the network assets owned by Electricity Invercargill Limited (EIL).
- 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 seven 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.
 - (g) Coincident Peak demand with Transpowers 100 highest peaks for the lower South Island (kVA), half hour metered customers only
- 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 2009 is \$62.86 million. The overall Use Charge of \$8.18 million is made up of the depreciation of \$2.44 million, ownership costs of \$0.85 million and a gross return or net profit before tax of \$4.89 million. The latter equating to 7.8% 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 Non Half Hour Metered | Contract Capacity kVA | Peak Demand Reading kVA | Total Energy Reading MWh | Winter Peak Reading MWh | Winter Day Reading MWh | Summer Day Reading MWh |
|-------------------------------------|-----------------------------|----------------------------------|-----------------------------------|----------------------------------|---------------------------------|---------------------------------|
| 722703NV-43B | 200 | 180 | 135 | 20 | 46 | 55 |
| 724187NV-3BD | 150 | 75 | 285 | 44 | 88 | 125 |
| 730158NV-F40 | 50 | 46 | 118 | 23 | 46 | 42 |
| 730262NV-92A | 100 | 100 | 32 | 7 | 14 | 11 |
| 7302979NV-CAE | 150 | 192 | 290 | 64 | 117 | 100 |
| 731881NV-4FA | 200 | 190 | 208 | 36 | 69 | 86 |
| 734325NV-9C1 | 150 | 60 | 76 | 14 | 28 | 29 |
| 734326NV-501 | 200 | 90 | 192 | 41 | 108 | 32 |
| 734355NV-C9C | 300 | 176 | 381 | 45 | 90 | 181 |
| 734360NV-62B | 75 | 75 | 346 | 45 | 93 | 139 |
| 734470NV-384 | 300 | 180 | 91 | 17 | 35 | 33 |
| 734846NV-9FF | 50 | 40 | 89 | 1.9 | 4.1 | 3.8 |
| 7350005NV-3D0 | 75 | 58 | 99 | 16 | 35 | 24 |
| 7350693NV-BBE | 75 | 68 | 55 | 12 | 24 | 17 |
| 735249NV-D8B | 200 | 100 | 128 | 25 | 49 | 37 |
| 740394NV-B0F | 200 | 140 | 252 | 42 | 87 | 102 |
| 743312NV-D2A | 150 | 150 | 139 | 26 | 54 | 50 |
| 7433294NV-FC6 | 150 | 120 | 280 | 50 | 112 | 98 |
| 743331NV-CBF | 150 | 120 | 168 | 40 | 84 | 42 |
| 744502NV-5E1 | 200 | 160 | 62 | 11 | 24 | 22 |
| 744586NV-1A1 | 150 | 143 | 72 | 12 | 24 | 29 |
| 744592NV-A06 | 200 | 120 | 71 | 15 | 31 | 27 |
| 744610NV-CCA | 150 | 150 | 155 | 30 | 63 | 54 |
| 7501257NV-2E9 | 150 | 53 | 89 | 17.1 | 38 | 27 |
| 750191NV-4A6 | 150 | 90 | 211 | 60 | 122 | 71 |
| 7501996NV-A4D | 150 | 36 | 186 | 20 | 52 | 66 |
| 754608NV-C92 | 50 | 10 | 1 | 1 | 1 | 1 |
| 754690NV-161 | 150 | 150 | 46 | 7 | 13 | 4 |
| 800449NV-3FB | 75 | 70 | 95 | 21 | 41 | 30 |
| 836516NV-9C5 | 200 | 32 | 52 | 8 | 16 | 25 |
| 8541431NVDF3 | 150 | 120 | 77 | 15 | 31 | 26 |
| 8665382NV-F7A | 150 | 230 | 547 | 68 | 154 | 186 |
| 8665408NV-7A3 | 150 | 150 | 98 | 21 | 44 | 30 |
| 8803044NV-797 | 75 | 75 | 70 | 8 | 13 | 28 |
| 880327NV-FB7 | 300 | 331 | 1266 | 171 | 448 | 507 |
| 880336NV-95F | 300 | 332 | 1013 | 165 | 353 | 422.1 |
| 880344NV-C87 | 300 | 195 | 710 | 92 | 254 | 256 |
| 8803601NV-E7B | 150 | 141 | 521 | 55 | 134 | 233 |
| 880360NV-0D8 | 150 | 100 | 315 | 60 | 112 | 113 |
| 880375NV-73A | 300 | 196 | 192 | 16 | 54 | 129 |
| 8803767NV-900 | 150 | 107 | 339 | 43 | 105 | 136 |
| 9003193NV-3D3 | 200 | 190 | 69 | 12 | 23 | 29 |
| 900319NV-09D | 200 | 200 | 597 | 140 | 270 | 170 |
| 9003243NV-D92 | 200 | 203 | 812 | 81 | 244 | 261 |
| 900356NV-DE6 | 300 | 240 | 434 | 65 | 129 | 196 |
| 9003573NV-568 | 200 | 235 | 303 | 61 | 129 | 162 |
| 900358NV-E7D | 200 | 190 | 157 | 30 | 58 | 59 |
| 900390NV-B86 | 300 | 270 | 307 | 56 | 110 | 120 |
| 9003995NV-251 | 300 | 125 | 415 | 52 | 127 | 148 |
| 930505NV-E04 | 150 | 117 | 408 | 61 | 124 | 168 |
| 930921NV-E57 | 200 | 150 | 109 | 16 | 38 | 44 |
| 931326NV-837 | 150 | 115 | 73 | 11 | 26 | 27 |
| 931706NV-963 | 30 | 10 | 1 | 1 | 1 | 1 |
| 931760NV-71C | 150 | 120 | 94 | 18 | 36 | 34 |
| 931775NV-0FE | 150 | 130 | 55 | 7 | 14 | 28 |
| 931776NV-C3E | 150 | 128 | 172 | 25 | 53 | 75 |
| 934525NV-5D1 | 150 | 65 | 116 | 17 | 42 | 30 |



| ICP Number Half Hour Metered | Contract Capacity kVA | Coincident Peak Demand Reading kVA | Peak Demand Reading kVA | Total Energy Reading MWh | Winter Peak Reading MWh | Winter Day Reading MWh | Summer Day Reading MWh |
|---------------------------------|-----------------------------|--|----------------------------------|-----------------------------------|----------------------------------|---------------------------------|---------------------------------|
| 7205085NV-6A2 | 100 | 60 | 105 | 256 | 30 | 61 | 84 |
| 721862NV-A61 | 50 | 24 | 39 | 183 | 19 | 50 | 83 |
| 721876NV-1C6 | 200 | 20 | 61 | 100 | 11 | 29 | 64 |
| 722709NV-6AA | 500 | 5 | 12 | 32 | 3 | 8 | 10 |
| 7229001NV-OAF | 200 | 37 | 81 | 143 | 22 | 46 | 70 |
| 724179NV-031 | 100 | 10 | 47 | 45 | 10 | 22 | 18 |
| 7301102NV-5CA | 100 | 12 | 31 | 90 | 11 | 29 | 34 |
| 7301164NV-BB5 | 150 | 28 | 63 | 261 | 50 | 103 | 108 |
| 73015753NV-A0E | 150 | 37 | 98 | 316 | 45 | 118 | 123 |
| 7301627NV-AD2 | 100 | 27 | 75 | 143 | 24 | 65 | 50 |
| 7301908NV-756 | 75 | 37 | 76 | 283 | 38 | 111 | 131 |
| 7302313NV-BC5 | 75 | 13 | 75 | 41 | 9 | 19 | 17 |
| 7302953NV-36A | 300 | 52 | 73 | 279 | 34 | 90 | 117 |
| 7317032NV-617 | 200 | 83 | 154 | 387 | 61 | 164 | 173 |
| 734110NV-971 | 300 | 71 | 137 | 320 | 54 | 133 | 175 |
| 7341266NV-3A6 | 150 | 18 | 35 | 127 | 17 | 48 | 64 |
| 7341272NV-801 | 150 | 29 | 60 | 156 | 24 | 66 | 60 |
| 7341276NV-90B | 200 | 33 | 66 | 209 | 29 | 76 | 105 |
| 734165NV-163 | 750 | 177 | 275 | 920 | 133 | 366 | 510 |
| 7341792NV-7BE | 200 | 43 | 73 | 273 | 31 | 98 | 125 |
| 7341793NV-BFB | 100 | 32 | 61 | 149 | 21 | 59 | 71 |
| 734188NV-482 | 300 | 145 | 219 | 1139 | 134 | 370 | 494 |
| 734318NV-162 | 300 | 48 | 188 | 259 | 32 | 91 | 103 |
| 734460NV-929 | 200 | 83 | 107 | 533 | 68 | 166 | 202 |
| 734802NV-A50 | 150 | 82 | 136 | 344 | 50 | 155 | 108 |
| 7403085NV-205 | 200 | 63 | 107 | 342 | 49 | 109 | 144 |
| 740373NV-C7F | 200 | 65 | 133 | 267 | 43 | 100 | 114 |
| 740385NV-DE7 | 200 | 67 | 127 | 362 | 43 | 124 | 195 |
| 740630NV-71F | 150 | 68 | 137 | 272 | 55 | 112 | 107 |
| 740649NV-C13 | 75 | 31 | 67 | 126 | 22 | 50 | 63 |
| 7406951NV-064 | 50 | 19 | 39 | 116 | 15 | 41 | 42 |
| 744103NV-5A5 | 750 | 180 | 235 | 1064 | 136 | 367 | 490 |
| 744608NV-473 | 300 | 103 | 167 | 554 | 66 | 180 | 259 |
| 744655NV-320 | 200 | 54 | 75 | 372 | 44 | 120 | 141 |
| 7447181NV-71E | 75 | 17 | 26 | 106 | 13 | 36 | 50 |
| 7447592NV-D72 | 150 | 30 | 56 | 125 | 17 | 46 | 57 |
| 754696NV-0EE | 100 | 48 | 68 | 343 | 43 | 117 | 66 |
| 7551948NV-7E0 | 300 | 81 | 145 | 444 | 74 | 173 | 146 |
| 760735NV-A99 | 150 | 29 | 87 | 123 | 22 | 51 | 46 |
| 760737NV-A1C | 500 | 116 | 356 | 583 | 130 | 261 | 203 |
| 7757907NV-783 | 300 | 148 | 272 | 539 | 93 | 235 | 194 |
| 7757994NV-4A4 | 200 | 40 | 154 | 210 | 44 | 99 | 75 |
| 784100NV-DD5 | 30 | 11 | 15 | 70 | 10 | 26 | 30 |
| 810201NV-DAD | 150 | 26 | 68 | 103 | 21 | 44 | 42 |
| 8102959NV-5D5 | 300 | 110 | 252 | 557 | 90 | 207 | 188 |
| 8144266NV-OA8 | 200 | 44 | 129 | 354 | 25 | 103 | 124 |
| 825292NV-886 | 500 | 115 | 361 | 734 | 145 | 340 | 299 |
| 8305375NV-D2C | 100 | 7 | 32 | 41 | 8 | 19 | 16 |
| 8305967NV-DOE | 750 | 31 | 401 | 183 | 30 | 78 | 61 |
| 8305981NV-63B | 500 | 188 | 357 | 839 | 153 | 389 | 233 |
| 831121NV-B96 | 300 | 20 | 73 | 117 | 16 | 43 | 47 |
| 832431NV-6DE | 1000 | 40 | 117 | 589 | 32 | 80 | 70 |
| 835083NV-C88 | 300 | 50 | 250 | 140 | 45 | 98 | 40 |
| 8425758NV-FE5 | 150 | 69 | 127 | 402 | 56 | 146 | 139 |
| 8509006NV-D55 | 150 | 49 | 64 | 322 | 38 | 107 | 146 |
| 8509025NV-CC0 | 300 | 140 | 200 | 822 | 104 | 293 | 438 |
| 8509026NV-000 | 500 | 91 | 156 | 587 | 72 | 215 | 321 |
| 850908NV-B67 | 750 | 277 | 324 | 2030 | 222 | 607 | 852 |
| 850948NV-9C2 | 30 | 15 | 23 | 91 | 13 | 33 | 41 |
| 8509962NV-AA6 | 75 | 9 | 27 | 80 | 10 | 29 | 36 |
| 8548111NV-903 | 75 | 64 | 64 | 160 | 27 | 67 | 84 |
| 8665558NV-6AF | 200 | 42 | 102 | 242 | 35 | 83 | 91 |
| 880302NV-FAD | 150 | 48 | 81 | 366 | 45 | 129 | 174 |
| 8803032NV-345 | 150 | 43 | 82 | 218 | 34 | 86 | 80 |
| 880303NV-3E8 | 300 | 47 | 90 | 353 | 41 | 121 | 172 |
| 8803047NV-B57 | 150 | 37 | 111 | 206 | 32 | 88 | 64 |
| 880308NV-D3C | 75 | 32 | 76 | 259 | 29 | 87 | 124 |
| 880309NV-179 | 300 | 71 | 103 | 438 | 56 | 147 | 179 |



| ICP Number Half Hour Metered | Contract Capacity kVA | Coincident Peak Demand Reading kVA | Peak Demand Reading kVA | Total Energy Reading MWh | Winter Peak Reading MWh | Winter Day Reading MWh | Summer Day Reading MWh |
|---------------------------------|-----------------------------|--|----------------------------------|-----------------------------------|----------------------------------|---------------------------------|---------------------------------|
| 880314NV-48F | 300 | 44 | 92 | 331 | 45 | 127 | 115 |
| 8803164NV-3C6 | 75 | 43 | 75 | 235 | 39 | 98 | 102 |
| 8803165NV-F83 | 50 | 24 | 44 | 135 | 18 | 45 | 63 |
| 880316NV-40A | 300 | 49 | 89 | 294 | 45 | 104 | 83 |
| 880317NV-84F | 300 | 64 | 118 | 246 | 38 | 90 | 108 |
| 880321NV-E38 | 200 | 36 | 106 | 376 | 47 | 137 | 195 |
| 880323NV-EBD | 150 | 0 | 33 | 115 | 17 | 43 | 39 |
| 8803283NV-7B5 | 150 | 96 | 160 | 534 | 57 | 147 | 248 |
| 8803298NV-3CC | 500 | 119 | 230 | 508 | 83 | 183 | 266 |
| 880329NV-C2C | 1000 | 428 | 744 | 3111 | 336 | 772 | 1335 |
| 880330NV-8D0 | 200 | 111 | 175 | 463 | 65 | 141 | 221 |
| 880361NV-C9D | 500 | 219 | 306 | 1473 | 179 | 467 | 621 |
| 8803625NV-224 | 100 | 16 | 39 | 139 | 16 | 48 | 64 |
| 880363NV-C18 | 200 | 49 | 112 | 246 | 35 | 104 | 101 |
| 880397NV-D05 | 1000 | 59 | 94 | 386 | 41 | 113 | 163 |
| 880398NV-2DB | 500 | 35 | 237 | 220 | 14 | 39 | 115 |
| 9003051NV-DBD | 300 | 158 | 293 | 927 | 152 | 396 | 344 |
| 9003053NV-D38 | 300 | 96 | 317 | 813 | 91 | 214 | 283 |
| 900305NV-92E | 750 | 89 | 149 | 1002 | 64 | 155 | 192 |
| 900306NV-5EE | 750 | 50 | 251 | 392 | 65 | 168 | 131 |
| 9003071NV-0E8 | 300 | 174 | 360 | 1123 | 137 | 432 | 582 |
| 90030815NV-060 | 500 | 26 | 72 | 494 | 20 | 53 | 83 |
| 9003081NV-OFF | 200 | 92 | 139 | 407 | 61 | 146 | 191 |
| 9003082NV-C3F | 75 | 53 | 94 | 238 | 37 | 89 | 121 |
| 9003083NV-07A | 500 | 138 | 354 | 1001 | 139 | 360 | 400 |
| 900308NV-675 | 1250 | 118 | 323 | 950 | 93 | 279 | 318 |
| 9003114NV-B53 | 50 | 22 | 41 | 119 | 14 | 46 | 63 |
| 9003117NV-793 | 300 | 110 | 241 | 857 | 93 | 220 | 285 |
| 900313NV-20C | 300 | 49 | 160 | 588 | 102 | 281 | 126 |
| 9003212NV-9DF | 100 | 24 | 56 | 189 | 25 | 72 | 78 |
| 9003235NV-940 | 500 | 206 | 373 | 1365 | 190 | 471 | 458 |
| 9003244NV-058 | 300 | 100 | 146 | 816 | 98 | 243 | 354 |
| 900325NV-47B | 500 | 352 | 414 | 2593 | 302 | 797 | 1098 |
| 900327NV-4FE | 50 | 25 | 38 | 214 | 21 | 57 | 83 |
| 900330NV-399 | 500 | 290 | 347 | 2192 | 238 | 649 | 929 |
| 900337NV-E53 | 100 | 10 | 43 | 97 | 9 | 29 | 29 |
| 9003385NV-2F6 | 150 | 38 | 90 | 307 | 39 | 117 | 134 |
| 900342NV-641 | 100 | 80 | 141 | 398 | 61 | 145 | 178 |
| 9003503NV-035 | 200 | 38 | 105 | 228 | 40 | 89 | 59 |
| 900350NV-C69 | 100 | 46 | 87 | 223 | 37 | 88 | 88 |
| 900351NV-02C | 200 | 88 | 112 | 920 | 81 | 231 | 316 |
| 9003603NV-336 | 300 | 158 | 251 | 858 | 117 | 297 | 341 |
| 900383NV-DEB | 500 | 40 | 221 | 215 | 50 | 114 | 64 |
| 900384NV-021 | 500 | 198 | 327 | 1060 | 161 | 397 | 414 |
| 920755NV-4EA | 150 | 70 | 130 | 615 | 65 | 167 | 253 |
| 930503NV-F8B | 100 | 17 | 50 | 83 | 10 | 28 | 34 |
| 931749NV-418 | 300 | 150 | 250 | 367 | 28 | 75 | 182 |
| 931777NV-07B | 750 | 361 | 542 | 2972 | 281 | 784 | 1227 |
| 933534NV-759 | 200 | 72 | 161 | 380 | 29 | 75 | 260 |
| 9406011NV-187 | 500 | 198 | 331 | 1359 | 139 | 357 | 576 |
| 9406013NV-102 | 500 | 250 | 361 | 1497 | 246 | 535 | 649 |
| 9408016NV-48D | 1750 | 658 | 1409 | 5942 | 631 | 1732 | 2364 |



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 | 15 | 22 | 84 | 16 | 35 | 32 |
| Small Domestic (8kVA 1 Phase) - With Off Peak | ND08Q | 178 | 219 | 999 | 140 | 369 | 370 |
| Standard Domestic (20kVA 1 Phase) - All Peak | ND20P | 562 | 1626 | 6308 | 1182 | 2588 | 2384 |
| Standard Domestic (20kVA 1 Phase) - With Off Peak | ND20Q | 11390 | 28012 | 127842 | 17974 | 47213 | 47358 |
| 10% Fixed Charge Option - All Peak | NDL20P | 123 | 356 | 614 | 115 | 252 | 232 |
| 10% Fixed Charge Option - With Off Peak | NDL20Q | 1851 | 4552 | 9234 | 1298 | 3410 | 3421 |
| 10% Fixed Charge Option (8kVA 1 Phase) - All Peak | NDL08P | 2 | 3 | 10 | 2 | 4 | 4 |
| 10% Fixed Charge Option (8kVA 1 Phase) - With Off Peak | NDL08Q | 33 | 41 | 165 | 23 | 61 | 61 |
| Non-Domestic Single Phase | | | | | | | |
| Street Lights (1 Phase) | NS001L | 4221 | 317 | 963 | 181 | 395 | 364 |
| 1 kVA 1 Phase - All Peak | NS001P | 34 | 34 | 310 | 58 | 127 | 117 |
| 8 kVA 1 Phase - All Peak | NS008P | 152 | 220 | 853 | 160 | 350 | 322 |
| 8 kVA 1 Phase - With Off Peak | NS008Q | 15 | 18 | 84 | 12 | 31 | 31 |
| 20 kVA 1 Phase - All Peak | NS020P | 324 | 937 | 3637 | 682 | 1492 | 1375 |
| 20 kVA 1 Phase - With Off Peak | NS020Q | 123 | 303 | 1381 | 194 | 510 | 511 |
| Non-Domestic Three Phase | | | | | | | |
| 15 kVA 3 Phase - All Peak | NT015P | 52 | 141 | 547 | 103 | 225 | 207 |
| 15 kVA 3 Phase - With Off Peak | NT015Q | 7 | 16 | 74 | 10 | 27 | 27 |
| 30 kVA 3 Phase - All Peak | NT030P | 483 | 2975 | 8208 | 1539 | 3368 | 3103 |
| 30 kVA 3 Phase - With Off Peak | NT030Q | 146 | 764 | 2481 | 349 | 916 | 919 |
| 50 kVA 3 Phase - All Peak | NT050P | 262 | 3332 | 11489 | 2154 | 4714 | 4343 |
| 50 kVA 3 Phase - With Off Peak | NT050Q | 80 | 865 | 3508 | 493 | 1296 | 1300 |
| 75 kVA 3 Phase - All Peak | NT075P | 100 | 2367 | 6529 | 1224 | 2679 | 2468 |
| 75 kVA 3 Phase - With Off Peak | NT075Q | 16 | 322 | 1045 | 147 | 386 | 387 |
| 100 kVA 3 Phase - All Peak | NT100P | 56 | 2110 | 5822 | 1091 | 2389 | 2201 |
| 100 kVA 3 Phase - With Off Peak | NT100Q | 8 | 256 | 832 | 117 | 307 | 308 |
| EIL Bluff | | | | | | | |
| Domestic | | | | | | | |
| Small Domestic (8kVA 1 Phase) - All Peak | BD08P | 3 | 4 | 17 | 3 | 7 | 83 |
| Small Domestic (8kVA 1 Phase) - With Off Peak | BD08Q | 5 | 6 | 28 | 4 | 10 | 52 |
| Standard Domestic | BD20P | 137 | 396 | 1538 | 288 | 631 | 104743 |



| 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 |
|---|--------|-----------------------|--------------------------------|------------------------|-----------------------|----------------------|----------------------|
| (20kVA 1 Phase) - All Peak | | | | | | | |
| Standard Domestic (20kVA 1 Phase) - With Off Peak | BD20Q | 598 | 1471 | 6712 | 944 | 2479 | 1487273 |
| 10% Fixed Charge Option - All Peak | BDL20P | 44 | 127 | 219 | 41 | 90 | 3963 |
| 10% Fixed Charge Option - With Off Peak | BDL20Q | 91 | 224 | 454 | 64 | 168 | 15256 |
| 10% Fixed Charge Option (8kVA 1 Phase) - All Peak | BDL08P | 1 | 1 | 5 | 1 | 2 | 2 |
| 10% Fixed Charge Option (8kVA 1 Phase) - With Off Peak | BDL08Q | 3 | 4 | 15 | 2 | 6 | 17 |
| Non-Domestic Single Phase | | | | | | | |
| Street Lights (1 Phase) | BS001L | 352 | 26 | 80 | 15 | 33 | 11602 |
| 1 kVA 1 Phase - All Peak | BS001P | 1 | 1 | 9 | 2 | 4 | 4 |
| 8 kVA 1 Phase - All Peak | BS008P | 9 | 13 | 51 | 9 | 21 | 249 |
| 8 kVA 1 Phase - With Off Peak | BS008Q | 0 | 0 | 0 | 0 | 0 | 0 |
| 20 kVA 1 Phase - All Peak | BS020P | 29 | 84 | 325 | 61 | 134 | 22172 |
| 20 kVA 1 Phase - With Off Peak | BS020Q | 2 | 5 | 22 | 3 | 8 | 4974 |
| Non-Domestic Three Phase | | | | | | | |
| 15 kVA 3 Phase - All Peak | BT015P | 3 | 8 | 32 | 6 | 13 | 39 |
| 15 kVA 3 Phase - With Off Peak | BT015Q | 1 | 2 | 11 | 1 | 4 | 4 |
| 30 kVA 3 Phase - All Peak | BT030P | 37 | 228 | 629 | 118 | 258 | 9546 |
| 30 kVA 3 Phase - With Off Peak | BT030Q | 7 | 37 | 119 | 17 | 44 | 308 |
| 50 kVA 3 Phase - All Peak | BT050P | 12 | 153 | 526 | 99 | 216 | 2591 |
| 50 kVA 3 Phase - With Off Peak | BT050Q | 4 | 43 | 175 | 25 | 65 | 259 |
| 75 kVA 3 Phase - All Peak | BT075P | 8 | 189 | 522 | 98 | 214 | 1715 |
| 75 kVA 3 Phase - With Off Peak | BT075Q | 1 | 20 | 65 | 9 | 24 | 24 |
| 100 kVA 3 Phase - All Peak | BT100P | 4 | 151 | 416 | 78 | 171 | 683 |
| 100 kVA 3 Phase - With Off Peak | BT100Q | 1 | 32 | 104 | 15 | 38 | 38 |



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 \$1,127,231. Electricity Invercargill's share of the connection charge is \$758,438.

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) \$8.38 per kVA Peak Demand.
- (b) \$3.60 per Winter Peak MWh.
- (c) \$1.20 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) \$8.08 per kVA Peak Demand
- (b) \$3.93 per Winter Peak MWh
- (c) \$1.31 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 coincident 100 highest peak demands recorded for Transpower's lower south island region during the assessment period 1 September to 31 August each year at the Invercargill grid exit point.

Electricity Invercargill's share of the Invercargill interconnection charge of \$4,901,954 is \$3,284,309.



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

Half Hour Metered:

Coincident peak with lower south island region 100%

Non Half Hour Metered:

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

For individual non half hour metered customers this equates to the following charges:

- (a) \$31.11 per kVA Winter Peak Demand.
- (b) \$23.37 per Winter Peak MWh.
- (c) \$5.19 per Winter Day MWh.

For individual Half Hour Metered customers this equates to the following charges:

| Point of Supply | Per kVA Coincident Peak Demand |
|-----------------|--------------------------------|
| Invercargill | \$70.94 |

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 | \$27.10 | \$23.32 | \$5.20 |

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 | 3 | \$5,599 | \$1,866 |
| 50 | 8 | \$27,507 | \$3,438 |
| 75 | 14 | \$76,675 | \$5,477 |
| 100 | 14 | \$75,945 | \$5,425 |
| 150 | 42 | \$346,939 | \$8,260 |
| 200 | 34 | \$354,959 | \$10,440 |
| 300 | 33 | \$551,114 | \$16,700 |
| 500 | 17 | \$508,492 | \$29,911 |
| 750 | 7 | \$268,353 | \$38,336 |
| 1000 | 3 | \$130,454 | \$43,485 |
| 1250 | 1 | \$44,172 | \$44,172 |
| 1750 | 1 | \$203,180 | \$203,180 |



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 | 15 | \$88 | \$1,322.55 |
| Small Domestic (8kVA 1 Phase) - With Off Peak | ND08Q | 178 | \$74 | \$13,085.13 |
| Standard Domestic (20kVA 1 Phase) - All Peak | ND20P | 562 | \$176 | \$99,102.99 |
| Standard Domestic (20kVA 1 Phase) - With Off Peak | ND20Q | 11390 | \$147 | \$1,674,602.56 |
| 10% Fixed Charge Option - All Peak | NDL20P | 123 | \$135 | \$16,658.02 |
| 10% Fixed Charge Option - With Off Peak | NDL20Q | 1851 | \$114 | \$210,723.59 |
| 10% Fixed Charge Option (8kVA 1 Phase) - All Peak | NDL08P | 2 | \$84 | \$168.16 |
| 10% Fixed Charge Option (8kVA 1 Phase) - With Off Peak | NDL08Q | 33 | \$70 | \$2,316.40 |
| Non-Domestic Single Phase | | | | |
| Street Lights (1 Phase) | NS001L | 4221 | \$4 | \$17,556.18 |
| 1 kVA 1 Phase - All Peak | NS001P | 34 | \$95 | \$3,242.84 |
| 8 kVA 1 Phase - All Peak | NS008P | 152 | \$88 | \$13,401.83 |
| 8 kVA 1 Phase - With Off Peak | NS008Q | 15 | \$74 | \$1,102.68 |
| 20 kVA 1 Phase - All Peak | NS020P | 324 | \$176 | \$57,134.11 |
| 20 kVA 1 Phase - With Off Peak | NS020Q | 123 | \$147 | \$18,083.94 |
| Non-Domestic Three Phase | | | | |
| 15 kVA 3 Phase - All Peak | NT015P | 52 | \$165 | \$8,596.57 |
| 15 kVA 3 Phase - With Off Peak | NT015Q | 7 | \$138 | \$964.84 |
| 30 kVA 3 Phase - All Peak | NT030P | 483 | \$330 | \$159,460.38 |
| 30 kVA 3 Phase - With Off Peak | NT030Q | 146 | \$276 | \$40,337.81 |
| 50 kVA 3 Phase - All Peak | NT050P | 262 | \$739 | \$193,642.98 |
| 50 kVA 3 Phase - With Off Peak | NT050Q | 80 | \$617 | \$49,363.05 |
| 75 kVA 3 Phase - All Peak | NT075P | 100 | \$1,269 | \$126,855.32 |
| 75 kVA 3 Phase - With Off Peak | NT075Q | 16 | \$1,062 | \$16,985.66 |
| 100 kVA 3 Phase - All Peak | NT100P | 56 | \$2,020 | \$113,102.77 |
| 100 kVA 3 Phase - With Off Peak | NT100Q | 8 | \$1,690 | \$13,521.63 |
| EIL Bluff | | | | |
| Domestic | | | | |
| Small Domestic (8kVA 1 Phase) - All Peak | BD08P | 3 | \$88 | \$264.51 |
| Small Domestic (8kVA 1 Phase) - With Off Peak | BD08Q | 5 | \$74 | \$367.56 |
| Standard Domestic (20kVA 1 Phase) - All Peak | BD20P | 137 | \$176 | \$24,158.56 |
| Standard Domestic (20kVA 1 Phase) - With Off Peak | BD20Q | 598 | \$147 | \$87,920.31 |
| 10% Fixed Charge Option - All Peak | BDL20P | 44 | \$135 | \$5,958.97 |
| 10% Fixed Charge Option - With Off Peak | BDL20Q | 91 | \$114 | \$10,359.72 |
| 10% Fixed Charge Option (8kVA 1 Phase) - All Peak | BDL08P | 1 | \$84 | \$84.08 |
| 10% Fixed Charge Option (8kVA 1 Phase) - With Off Peak | BDL08Q | 3 | \$70 | \$210.58 |
| Non-Domestic Single Phase | | | | |
| Street Lights (1 Phase) | BS001L | 352 | \$4.16 | \$1,464.05 |
| 1 kVA 1 Phase - All Peak | BS001P | 1 | \$95.38 | \$95.38 |
| 8 kVA 1 Phase - All Peak | BS008P | 9 | \$88.17 | \$793.53 |
| 8 kVA 1 Phase - With Off Peak | BS008Q | 0 | \$73.51 | \$0.00 |
| 20 kVA 1 Phase - All Peak | BS020P | 29 | \$176.34 | \$5,113.86 |
| 20 kVA 1 Phase - With Off Peak | BS020Q | 2 | \$147.02 | \$294.05 |
| Non-Domestic Three Phase | | | | |
| 15 kVA 3 Phase - All Peak | BT015P | 3 | \$165 | \$495.96 |
| 15 kVA 3 Phase - With Off Peak | BT015Q | 1 | \$138 | \$137.83 |
| 30 kVA 3 Phase - All Peak | BT030P | 37 | \$330 | \$12,215.39 |
| 30 kVA 3 Phase - With Off Peak | BT030Q | 7 | \$276 | \$1,934.00 |
| 50 kVA 3 Phase - All Peak | BT050P | 12 | \$739 | \$8,869.14 |
| 50 kVA 3 Phase - With Off Peak | BT050Q | 4 | \$617 | \$2,468.15 |
| 75 kVA 3 Phase - All Peak | BT075P | 8 | \$1,269 | \$10,148.43 |
| 75 kVA 3 Phase - With Off Peak | BT075Q | 1 | \$1,062 | \$1,061.60 |
| 100 kVA 3 Phase - All Peak | BT100P | 4 | \$2,020 | \$8,078.77 |
| 100 kVA 3 Phase - With Off Peak | BT100Q | 1 | \$1,690 | \$1,690.20 |



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 \$878,460 and for the 33kV line and cables is \$399,300 giving a total supply charge for EIL City of \$1,277,760.

As EIL also wheels power for Bluff through The Power Company Limited 33kV line and Bluff zone substation there is a supply charge of \$425,737 for this zone substation and subtransmission lines.

The supply charge totalling \$1,277,760 for EIL City and \$425,737 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 \$264,387 and for EIL Bluff total \$53,482.

The total subtransmission maintenance charges of \$317,869 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 | \$15.08 per kVA Winter Peak Demand |
| (b) | Subtransmission Supply charge | \$6.67 per Winter Peak MWh |
| (c) | Subtransmission Supply charge | \$2.23 per Winter Day MWh |
| (e) | Subtransmission Maintenance charge | \$0.51 per Commercial Total MWh |
| (f) | Subtransmission Maintenance charge | \$2.23 per kVA Winter Peak Demand |

EIL Bluff

- | | | |
|-----|------------------------------------|------------------------------------|
| (a) | Subtransmission Supply charge | \$64.30 per kVA Winter Peak Demand |
| (b) | Subtransmission Supply charge | \$28.48 per Winter Peak MWh |
| (c) | Subtransmission Supply charge | \$8.76 per Winter Day MWh |
| (e) | Subtransmission Maintenance charge | \$1.73 per Commercial Total MWh |
| (f) | Subtransmission Maintenance charge | \$6.01 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 | \$14.66 per kVA Winter Peak Demand |
| (b) | Subtransmission Supply charge | \$7.26 per Winter Peak MWh |
| (c) | Subtransmission Supply charge | \$2.43 per Winter Day MWh |
| (d) | Subtransmission Maintenance charge | \$0.52 per Domestic Total MWh |
| (e) | Subtransmission Maintenance charge | \$0.52 per Commercial Total MWh |
| (f) | Subtransmission Maintenance charge | \$2.10 per kVA Winter Peak Demand |

EIL Bluff

- | | | |
|-----|------------------------------------|------------------------------------|
| (a) | Subtransmission Supply charge | \$75.63 per kVA Winter Peak Demand |
| (b) | Subtransmission Supply charge | \$39.03 per Winter Peak MWh |
| (c) | Subtransmission Supply charge | \$12.55 per Winter Day MWh |
| (d) | Subtransmission Maintenance charge | \$0.69 per Domestic Total MWh |
| (e) | Subtransmission Maintenance charge | \$0.69 per Commercial Total MWh |
| (f) | Subtransmission Maintenance charge | \$3.85 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 | \$5,749,920 |
| EIL Bluff | \$239,580 |

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 | \$793,161 |
| EIL Bluff | \$125,236 |

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 | \$718,740 |
| EIL Maintenance | \$208,727 |

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

Number of transformers and transformer capacity 100%.

4.4 Distribution Charges for Individual Customers

EIL City

| | | |
|-----|---------------------------------|-----------------------------------|
| (a) | Distribution Supply charge | \$31.20 per kVA Contract Capacity |
| (b) | Distribution Supply charge | \$30.02 per Winter Peak MWh |
| (c) | Distribution Supply charge | \$6.02 per Winter Day MWh |
| (d) | Distribution Maintenance charge | \$1.54 per Commercial Total MWh |
| (e) | Distribution Maintenance charge | \$3.07 per kVA Contract Capacity |

EIL Bluff

| | | |
|-----|---------------------------------|-----------------------------------|
| (a) | Distribution Supply charge | \$18.63 per kVA Contract Capacity |
| (b) | Distribution Supply charge | \$16.74 per Winter Peak MWh |
| (c) | Distribution Supply charge | \$3.26 per Winter Day MWh |
| (d) | Distribution Maintenance charge | \$2.68 per Commercial Total MWh |
| (e) | Distribution Maintenance charge | \$6.96 per kVA Contract Capacity |

Transformer Charges

| | | |
|-----|---|--------------------------|
| (a) | Distribution Transformer supply charge | \$295.08 per Transformer |
| (b) | Distribution Transformer maintenance charge | \$473.3 per Transformer |



The Transformer charge of \$295.09 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 | \$33.02 per kVA Contract Capacity |
| (b) | Distribution Supply charge | \$35.37 per Winter Peak MWh |
| (c) | Distribution Supply charge | \$11.79 per Winter Day MWh |
| (d) | Distribution Maintenance charge | \$1.80 per Domestic Total MWh |
| (e) | Distribution Maintenance charge | \$1.80 per Commercial Total MWh |
| (f) | Distribution Maintenance charge | \$3.16 per kVA Contract Capacity |
| (g) | Distribution Transformer charge | \$5.27 per kVA Contract Capacity |

EIL Bluff

| | | |
|-----|---------------------------------|-----------------------------------|
| (a) | Distribution Supply charge | \$18.37 per kVA Contract Capacity |
| (b) | Distribution Supply charge | \$19.53 per Winter Peak MWh |
| (c) | Distribution Supply charge | \$6.79 per Winter Day MWh |
| (d) | Distribution Maintenance charge | \$3.71 per Domestic Total MWh |
| (e) | Distribution Maintenance charge | \$3.71 per Commercial Total MWh |
| (f) | Distribution Maintenance charge | \$6.32 per kVA Contract Capacity |
| (g) | Distribution Transformer charge | \$5.27 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 \$37.65.

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 | \$621 | \$2,744 | \$113 | \$3,478 |
| 50 | \$2,907 | \$13,670 | \$301 | \$16,879 |
| 75 | \$8,998 | \$36,744 | \$527 | \$46,269 |
| 100 | \$10,699 | \$31,783 | \$527 | \$43,009 |
| 150 | \$69,089 | \$144,776 | \$1,581 | \$215,446 |
| 200 | \$53,981 | \$157,029 | \$1,280 | \$212,290 |
| 300 | \$83,641 | \$229,018 | \$1,242 | \$313,901 |
| 500 | \$96,371 | \$198,721 | \$640 | \$295,731 |
| 750 | \$57,736 | \$114,433 | \$264 | \$172,433 |
| 1000 | \$13,300 | \$74,040 | \$113 | \$87,453 |
| 1250 | \$3,931 | \$30,116 | \$38 | \$34,084 |
| 1750 | \$102,462 | \$42,748 | \$38 | \$145,247 |



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 | 15 | \$568 | \$3,679 | \$565 | \$4,812 |
| Small Domestic (8kVA 1 Phase) - With Off Peak | ND08Q | 178 | \$5,769 | \$35,072 | \$6,702 | \$47,543 |
| Standard Domestic (20kVA 1 Phase) - All Peak | ND20P | 562 | \$42,576 | \$281,662 | \$21,159 | \$345,397 |
| Standard Domestic (20kVA 1 Phase) - With Off Peak | ND20Q | 11390 | \$738,347 | \$4,697,382 | \$428,837 | \$5,864,566 |
| 10% Fixed Charge Option - All Peak | NDL20P | 123 | \$7,454 | \$18,870 | \$4,631 | \$30,955 |
| 10% Fixed Charge Option - With Off Peak | NDL20Q | 1851 | \$95,700 | \$201,141 | \$69,691 | \$366,532 |
| 10% Fixed Charge Option (8kVA 1 Phase) - All Peak | NDL08P | 2 | \$73 | \$341 | \$75 | \$489 |
| 10% Fixed Charge Option (8kVA 1 Phase) - With Off Peak | NDL08Q | 33 | \$1,026 | \$3,897 | \$1,242 | \$6,165 |
| Non-Domestic Single Phase | | | | | | |
| Street Lights (1 Phase) | NS001L | 4221 | \$7,645 | \$125,207 | \$3,731 | \$136,582 |
| 1 kVA 1 Phase - All Peak | NS001P | 34 | \$1,324 | \$11,272 | \$1,280 | \$13,876 |
| 8 kVA 1 Phase - All Peak | NS008P | 152 | \$5,758 | \$37,284 | \$5,723 | \$48,764 |
| 8 kVA 1 Phase - With Off Peak | NS008Q | 15 | \$486 | \$2,956 | \$565 | \$4,006 |
| 20 kVA 1 Phase - All Peak | NS020P | 324 | \$24,545 | \$162,382 | \$12,199 | \$199,126 |
| 20 kVA 1 Phase - With Off Peak | NS020Q | 123 | \$7,973 | \$50,727 | \$4,631 | \$63,331 |
| Non-Domestic Three Phase | | | | | | |
| 15 kVA 3 Phase - All Peak | NT015P | 52 | \$3,693 | \$22,565 | \$1,958 | \$28,216 |
| 15 kVA 3 Phase - With Off Peak | NT015Q | 7 | \$425 | \$2,438 | \$264 | \$3,127 |
| 30 kVA 3 Phase - All Peak | NT030P | 483 | \$69,799 | \$312,829 | \$18,185 | \$400,813 |
| 30 kVA 3 Phase - With Off Peak | NT030Q | 146 | \$18,029 | \$77,742 | \$5,497 | \$101,267 |
| 50 kVA 3 Phase - All Peak | NT050P | 262 | \$83,748 | \$432,087 | \$9,864 | \$525,700 |
| 50 kVA 3 Phase - With Off Peak | NT050Q | 80 | \$21,871 | \$112,365 | \$3,012 | \$137,247 |
| 75 kVA 3 Phase - All Peak | NT075P | 100 | \$55,527 | \$275,709 | \$3,765 | \$335,002 |
| 75 kVA 3 Phase - With Off Peak | NT075Q | 16 | \$7,592 | \$37,652 | \$602 | \$45,846 |
| 100 kVA 3 Phase - All Peak | NT100P | 56 | \$49,507 | \$206,472 | \$2,108 | \$258,088 |
| 100 kVA 3 Phase - With Off Peak | NT100Q | 8 | \$6,043 | \$25,884 | \$301 | \$32,229 |
| EIL Bluff | | | | | | |
| Domestic | | | | | | |
| Small Domestic (8kVA 1 Phase) - All Peak | BD08P | 3 | \$527 | \$323 | \$113 | \$962 |



**LINE PRICING METHODOLOGY FOR
THE ELECTRICITY INVERCARGILL LIMITED NETWORK AS AT 1 APRIL 2009**

| Consumer Capacity | Code | Number of Connections | Sub transmission Charge | Distribution Charge | PowerNet Overheads | Total PowerNet Revenue |
|--|-------------|------------------------------|--------------------------------|----------------------------|---------------------------|-------------------------------|
| Small Domestic (8kVA 1 Phase) - With Off Peak | BD08Q | 5 | \$743 | \$405 | \$188 | \$1,335 |
| Standard Domestic (20kVA 1 Phase) - All Peak | BD20P | 137 | \$48,116 | \$30,924 | \$5,158 | \$84,198 |
| Standard Domestic (20kVA 1 Phase) - With Off Peak | BD20Q | 598 | \$177,613 | \$107,775 | \$22,515 | \$307,903 |
| 10% Fixed Charge Option - All Peak | BDL20P | 44 | \$12,489 | -\$3,073 | \$1,657 | \$11,073 |
| 10% Fixed Charge Option - With Off Peak | BDL20Q | 91 | \$21,894 | -\$7,301 | \$3,426 | \$18,020 |
| 10% Fixed Charge Option (8kVA 1 Phase) - All Peak | BDL08P | 1 | \$169 | \$38 | \$38 | \$245 |
| 10% Fixed Charge Option (8kVA 1 Phase) - With Off Peak | BDL08Q | 3 | \$429 | \$19 | \$113 | \$560 |
| Non-Domestic Single Phase | | | | | | |
| Street Lights (1 Phase) | BS001L | 352 | \$2,966 | \$7,910 | \$514 | \$11,390 |
| 1 kVA 1 Phase - All Peak | BS001P | 1 | \$178 | \$192 | \$38 | \$408 |
| 8 kVA 1 Phase - All Peak | BS008P | 9 | \$1,580 | \$968 | \$339 | \$2,887 |
| 8 kVA 1 Phase - With Off Peak | BS008Q | 0 | \$0 | \$0 | \$0 | \$0 |
| 20 kVA 1 Phase - All Peak | BS020P | 29 | \$10,185 | \$6,546 | \$1,092 | \$17,823 |
| 20 kVA 1 Phase - With Off Peak | BS020Q | 2 | \$594 | \$360 | \$75 | \$1,030 |
| Non-Domestic Three Phase | | | | | | |
| 15 kVA 3 Phase - All Peak | BT015P | 3 | \$988 | \$527 | \$113 | \$1,628 |
| 15 kVA 3 Phase - With Off Peak | BT015Q | 1 | \$278 | \$131 | \$38 | \$447 |
| 30 kVA 3 Phase - All Peak | BT030P | 37 | \$24,907 | \$4,404 | \$1,393 | \$30,704 |
| 30 kVA 3 Phase - With Off Peak | BT030Q | 7 | \$3,989 | \$602 | \$264 | \$4,855 |
| 50 kVA 3 Phase - All Peak | BT050P | 12 | \$17,813 | \$5,813 | \$452 | \$24,078 |
| 50 kVA 3 Phase - With Off Peak | BT050Q | 4 | \$5,023 | \$1,688 | \$151 | \$6,862 |
| 75 kVA 3 Phase - All Peak | BT075P | 8 | \$20,693 | \$5,806 | \$301 | \$26,800 |
| 75 kVA 3 Phase - With Off Peak | BT075Q | 1 | \$2,190 | \$638 | \$38 | \$2,865 |
| 100 kVA 3 Phase - All Peak | BT100P | 4 | \$16,473 | \$1,811 | \$151 | \$18,435 |
| 100 kVA 3 Phase - With Off Peak | BT100Q | 1 | \$3,486 | \$505 | \$38 | \$4,029 |



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 is 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 \$54.71 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 \$54.71. This method of calculating the fixed charge accounts for the fact that some installations have negative fixed charges.

The Variable Charge of \$54.71 per MWh of daytime sales equates to \$52.24 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 | \$5,599 | \$1,866 |
| 50 | 8 | \$27,507 | \$3,438 |
| 75 | 14 | \$76,675 | \$5,477 |
| 100 | 14 | \$75,945 | \$5,425 |
| 150 | 42 | \$346,939 | \$8,260 |
| 200 | 34 | \$354,959 | \$10,440 |
| 300 | 33 | \$551,114 | \$16,700 |
| 500 | 17 | \$508,492 | \$29,911 |
| 750 | 7 | \$268,353 | \$38,336 |
| 1000 | 3 | \$130,454 | \$43,485 |
| 1250 | 1 | \$44,172 | \$44,172 |
| 1750 | 1 | \$203,180 | \$203,180 |

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 | 15 | \$0.4873 | \$52.24 | \$6,134.79 |
| Small Domestic (8kVA 1 Phase) - With Off Peak | ND08Q | 178 | \$0.3390 | \$52.24 | \$60,628.55 |
| Standard Domestic (20kVA 1 Phase) - All Peak | ND20P | 562 | \$0.9005 | \$52.24 | \$444,499.95 |
| Standard Domestic (20kVA 1 Phase) - With Off Peak | ND20Q | 11390 | \$0.6251 | \$52.24 | \$7,539,168.36 |
| 10% Fixed Charge Option - All Peak | NDL20P | 123 | \$0.1500 | \$84.51 | \$47,613.00 |
| 10% Fixed Charge Option - With Off Peak | NDL20Q | 1851 | \$0.0000 | \$84.51 | \$577,255.40 |
| 10% Fixed Charge Option (8kVA 1 Phase) - All Peak | NDL08P | 2 | \$0.1500 | \$69.65 | \$657.32 |
| 10% Fixed Charge Option (8kVA 1 Phase) - With Off Peak | NDL08Q | 33 | \$0.0000 | \$69.65 | \$8,481.81 |
| Non-Domestic Single Phase | | | | | |
| Street Lights (1 Phase) | NS001L | 4221 | \$0.0743 | \$52.24 | \$154,138.43 |
| 1 kVA 1 Phase - All Peak | NS001P | 34 | \$0.3496 | \$52.24 | \$17,119.19 |
| 8 kVA 1 Phase - All Peak | NS008P | 152 | \$0.4873 | \$52.24 | \$62,165.85 |
| 8 kVA 1 Phase - With Off Peak | NS008Q | 15 | \$0.3390 | \$52.24 | \$5,109.15 |
| 20 kVA 1 Phase - All Peak | NS020P | 324 | \$0.9005 | \$52.24 | \$256,259.76 |
| 20 kVA 1 Phase - With Off Peak | NS020Q | 123 | \$0.6251 | \$52.24 | \$81,415.08 |
| Non-Domestic Three Phase | | | | | |
| 15 kVA 3 Phase - All Peak | NT015P | 52 | \$0.7523 | \$52.24 | \$36,812.98 |
| 15 kVA 3 Phase - With Off Peak | NT015Q | 7 | \$0.4873 | \$52.24 | \$4,091.53 |
| 30 kVA 3 Phase - All Peak | NT030P | 483 | \$1.2607 | \$52.24 | \$560,273.35 |
| 30 kVA 3 Phase - With Off Peak | NT030Q | 146 | \$0.8581 | \$52.24 | \$141,605.27 |
| 50 kVA 3 Phase - All Peak | NT050P | 262 | \$2.5744 | \$52.24 | \$719,342.80 |
| 50 kVA 3 Phase - With Off Peak | NT050Q | 80 | \$1.7480 | \$52.24 | \$186,610.27 |
| 75 kVA 3 Phase - All Peak | NT075P | 100 | \$5.2864 | \$52.24 | \$461,856.84 |
| 75 kVA 3 Phase | NT075Q | 16 | \$3.8457 | \$52.24 | \$62,831.34 |



| Consumer Capacity | Code | Number of Connections | Fixed Charge per Day | Variable Charge per Day MWh Sales | Line Charge Revenue per Consumer Group |
|--|--------|-----------------------|----------------------|-----------------------------------|--|
| - With Off Peak | | | | | |
| 100 kVA 3 Phase - All Peak | NT100P | 56 | \$6.4305 | \$52.24 | \$371,190.51 |
| 100 kVA 3 Phase - With Off Peak | NT100Q | 8 | \$4.6614 | \$52.24 | \$45,750.24 |
| EIL Bluff | | | | | |
| Domestic | | | | | |
| Small Domestic (8kVA 1 Phase) - All Peak | BD08P | 3 | \$0.4873 | \$52.24 | \$1,226.96 |
| Small Domestic (8kVA 1 Phase) - With Off Peak | BD08Q | 5 | \$0.3390 | \$52.24 | \$1,703.05 |
| Standard Domestic (20kVA 1 Phase) - All Peak | BD20P | 137 | \$0.9005 | \$52.24 | \$108,356.75 |
| Standard Domestic (20kVA 1 Phase) - With Off Peak | BD20Q | 598 | \$0.6251 | \$52.24 | \$395,822.89 |
| 10% Fixed Charge Option - All Peak | BDL20P | 44 | \$0.1500 | \$84.51 | \$17,032.29 |
| 10% Fixed Charge Option - With Off Peak | BDL20Q | 91 | \$0.0000 | \$84.51 | \$28,379.38 |
| 10% Fixed Charge Option (8kVA 1 Phase) - All Peak | BDL08P | 1 | \$0.1500 | \$69.65 | \$328.66 |
| 10% Fixed Charge Option (8kVA 1 Phase) - With Off Peak | BDL08Q | 3 | \$0.0000 | \$69.65 | \$771.07 |
| Non-Domestic Single Phase | | | | | |
| Street Lights (1 Phase) | BS001L | 352 | \$0.0743 | \$52.24 | \$12,854.00 |
| 1 kVA 1 Phase - All Peak | BS001P | 1 | \$0.3496 | \$52.24 | \$503.51 |
| 8 kVA 1 Phase - All Peak | BS008P | 9 | \$0.4873 | \$52.24 | \$3,680.87 |
| 8 kVA 1 Phase - With Off Peak | BS008Q | 0 | \$0.3390 | \$52.24 | \$0.00 |
| 20 kVA 1 Phase - All Peak | BS020P | 29 | \$0.9005 | \$52.24 | \$22,936.83 |
| 20 kVA 1 Phase - With Off Peak | BS020Q | 2 | \$0.6251 | \$52.24 | \$1,323.82 |
| Non-Domestic Three Phase | | | | | |
| 15 kVA 3 Phase - All Peak | BT015P | 3 | \$0.7523 | \$52.24 | \$2,123.83 |
| 15 kVA 3 Phase - With Off Peak | BT015Q | 1 | \$0.4873 | \$52.24 | \$584.50 |
| 30 kVA 3 Phase - All Peak | BT030P | 37 | \$1.2607 | \$52.24 | \$42,919.49 |
| 30 kVA 3 Phase - With Off Peak | BT030Q | 7 | \$0.8581 | \$52.24 | \$6,789.29 |
| 50 kVA 3 Phase - All Peak | BT050P | 12 | \$2.5744 | \$52.24 | \$32,947.00 |
| 50 kVA 3 Phase - With Off Peak | BT050Q | 4 | \$1.7480 | \$52.24 | \$9,330.51 |
| 75 kVA 3 Phase - All Peak | BT075P | 8 | \$5.2864 | \$52.24 | \$36,948.55 |
| 75 kVA 3 Phase - With Off Peak | BT075Q | 1 | \$3.8457 | \$52.24 | \$3,926.96 |
| 100 kVA 3 Phase - All Peak | BT100P | 4 | \$6.4305 | \$52.24 | \$26,513.61 |
| 100 kVA 3 Phase - With Off Peak | BT100Q | 1 | \$4.6614 | \$52.24 | \$5,718.78 |



10. LINE CHARGE TABLES

10.1 Line Charge Breakdown for Individual Customers

| ICP Number | Contract Capacity kVA | Trans Power Charge | Subtransmission Charge | Distribution Charge | PowerNet Charge | Total Line Charge | Fixed Charge per annum | Variable Charge per Day MWh |
|----------------|-----------------------|--------------------|------------------------|---------------------|-----------------|-------------------|------------------------|-----------------------------|
| 880323NV-EBD | 150 | \$144 | \$339 | \$2,985 | \$38 | \$3,506 | \$1,753 | \$21.38 |
| 9003081NV-OFF | 200 | \$7,309 | \$1,762 | \$5,227 | \$38 | \$14,336 | \$7,168 | \$21.23 |
| 8803298NV-3CC | 500 | \$9,651 | \$2,676 | \$10,178 | \$38 | \$22,542 | \$11,271 | \$25.13 |
| 740649NV-C13 | 75 | \$2,479 | \$620 | \$2,538 | \$38 | \$5,674 | \$2,837 | \$25.24 |
| 900390NV-B86 | 300 | \$6,056 | \$2,482 | \$6,147 | \$38 | \$14,723 | \$2,199 | \$52.24 |
| 880327NV-FB7 | 300 | \$12,197 | \$4,928 | \$10,098 | \$38 | \$27,260 | (\$24,730) | \$52.24 |
| 8102959NV-5D5 | 300 | \$8,690 | \$2,027 | \$7,266 | \$38 | \$18,021 | \$9,011 | \$22.85 |
| 900350NV-C69 | 100 | \$3,715 | \$1,008 | \$2,704 | \$38 | \$7,464 | \$3,732 | \$21.28 |
| 810201NV-DAD | 150 | \$2,114 | \$589 | \$3,044 | \$38 | \$5,785 | \$2,893 | \$33.80 |
| 7341266NV-3A6 | 150 | \$1,440 | \$384 | \$3,017 | \$38 | \$4,879 | \$2,439 | \$21.79 |
| 734802NV-A50 | 150 | \$6,572 | \$1,676 | \$4,128 | \$38 | \$12,412 | \$6,206 | \$23.64 |
| 734355NV-C9C | 300 | \$3,273 | \$1,366 | \$5,974 | \$38 | \$10,651 | (\$4,062) | \$52.24 |
| 784100NV-DD5 | 30 | \$863 | \$196 | \$1,061 | \$38 | \$2,158 | \$1,079 | \$19.24 |
| 850948NV-9C2 | 30 | \$1,178 | \$268 | \$1,218 | \$38 | \$2,702 | \$1,351 | \$18.12 |
| 900327NV-4FE | 50 | \$1,977 | \$507 | \$2,184 | \$38 | \$4,705 | \$2,353 | \$16.77 |
| 8803283NV-7B5 | 150 | \$7,657 | \$1,965 | \$4,395 | \$38 | \$14,054 | \$7,027 | \$17.80 |
| 740385NV-DE7 | 200 | \$5,290 | \$1,248 | \$4,824 | \$38 | \$11,399 | \$5,700 | \$17.92 |
| 9003503NV-035 | 200 | \$3,230 | \$1,181 | \$4,515 | \$38 | \$8,964 | \$4,482 | \$30.34 |
| 8509006NV-D55 | 150 | \$3,853 | \$902 | \$3,746 | \$38 | \$8,538 | \$4,269 | \$16.88 |
| 880344NV-C87 | 300 | \$6,721 | \$2,729 | \$7,628 | \$38 | \$17,116 | (\$10,665) | \$52.24 |
| 8803044NV-797 | 75 | \$935 | \$429 | \$1,749 | \$38 | \$3,151 | \$926 | \$52.24 |
| 7433294NV-FC6 | 150 | \$3,529 | \$1,388 | \$3,907 | \$38 | \$8,862 | (\$2,585) | \$52.24 |
| 743331NV-CBF | 150 | \$3,124 | \$1,216 | \$3,541 | \$38 | \$7,919 | \$1,033 | \$52.24 |
| 900330NV-399 | 500 | \$23,222 | \$6,343 | \$15,922 | \$38 | \$45,524 | \$22,762 | \$14.42 |
| 740373NV-C7F | 200 | \$5,270 | \$1,454 | \$4,648 | \$38 | \$11,409 | \$5,705 | \$26.60 |
| 721862NV-A61 | 50 | \$1,892 | \$466 | \$2,031 | \$38 | \$4,427 | \$2,213 | \$16.61 |
| 8803601NV-E7B | 150 | \$4,216 | \$1,780 | \$4,296 | \$38 | \$10,330 | (\$9,608) | \$52.24 |
| 8548111NV-903 | 75 | \$4,847 | \$687 | \$2,833 | \$38 | \$8,405 | \$4,203 | \$27.88 |
| 734326NV-501 | 200 | \$2,616 | \$987 | \$4,573 | \$38 | \$8,214 | \$547 | \$52.24 |
| 734325NV-9C1 | 150 | \$721 | \$272 | \$2,845 | \$38 | \$3,875 | \$771 | \$52.24 |
| 9003114NV-B53 | 50 | \$1,741 | \$402 | \$1,762 | \$38 | \$3,942 | \$1,971 | \$18.05 |
| 734165NV-163 | 750 | \$14,295 | \$3,915 | \$16,577 | \$38 | \$34,824 | \$17,412 | \$19.89 |
| 8541431NVDF3 | 150 | \$2,320 | \$967 | \$2,873 | \$38 | \$6,198 | \$3,090 | \$52.24 |
| 722703NV-43B | 200 | \$2,995 | \$1,261 | \$3,963 | \$38 | \$8,257 | \$2,760 | \$52.24 |
| 90030815NV-060 | 500 | \$2,110 | \$786 | \$8,712 | \$38 | \$11,646 | \$5,823 | \$42.74 |
| 734846NV-9FF | 50 | \$330 | \$192 | \$1,081 | \$38 | \$1,640 | \$1,210 | \$52.24 |
| 900356NV-DE6 | 300 | \$6,075 | \$2,504 | \$6,477 | \$38 | \$15,094 | (\$2,574) | \$52.24 |
| 8665558NV-6AF | 200 | \$3,478 | \$1,119 | \$4,427 | \$38 | \$9,062 | \$4,531 | \$26.11 |
| 8803767NV-900 | 150 | \$2,466 | \$991 | \$3,830 | \$38 | \$7,325 | (\$5,786) | \$52.24 |
| 880360NV-0D8 | 150 | \$3,243 | \$1,233 | \$4,091 | \$38 | \$8,606 | (\$3,650) | \$52.24 |



| ICP Number | Contract Capacity kVA | Trans Power Charge | Subtransmission Charge | Distribution Charge | PowerNet Charge | Total Line Charge | Fixed Charge per annum | Variable Charge per Day MWh |
|----------------|-----------------------|--------------------|------------------------|---------------------|-----------------|-------------------|------------------------|-----------------------------|
| 740394NV-BOF | 200 | \$2,694 | \$1,061 | \$4,565 | \$38 | \$8,358 | (\$1,929) | \$52.24 |
| 9003071NV-0E8 | 300 | \$14,518 | \$4,905 | \$9,393 | \$38 | \$28,854 | \$14,427 | \$14.23 |
| 8509026NV-000 | 500 | \$7,410 | \$2,190 | \$10,204 | \$38 | \$19,841 | \$9,921 | \$18.52 |
| 7551948NV-7E0 | 300 | \$6,615 | \$1,948 | \$6,789 | \$38 | \$15,390 | \$7,695 | \$24.12 |
| 7301627NV-AD2 | 100 | \$2,251 | \$738 | \$2,340 | \$38 | \$5,366 | \$2,683 | \$23.39 |
| 9003385NV-2F6 | 150 | \$3,191 | \$1,136 | \$3,779 | \$38 | \$8,143 | \$4,072 | \$16.23 |
| 9003117NV-793 | 300 | \$9,127 | \$3,082 | \$7,656 | \$38 | \$19,903 | \$9,951 | \$19.69 |
| 7403085NV-205 | 200 | \$5,064 | \$1,355 | \$4,847 | \$38 | \$11,304 | \$5,652 | \$22.32 |
| 900305NV-92E | 750 | \$7,149 | \$2,183 | \$14,796 | \$38 | \$24,165 | \$12,083 | \$34.78 |
| 900306NV-5EE | 750 | \$4,770 | \$2,657 | \$14,275 | \$38 | \$21,740 | \$10,870 | \$36.32 |
| 744103NV-5A5 | 750 | \$14,364 | \$3,694 | \$16,761 | \$38 | \$34,856 | \$17,428 | \$20.34 |
| 734318NV-162 | 300 | \$3,680 | \$665 | \$5,672 | \$38 | \$10,054 | \$5,027 | \$25.83 |
| 734470NV-384 | 300 | \$948 | \$361 | \$5,063 | \$38 | \$6,409 | \$2,704 | \$52.24 |
| 754696NV-0EE | 100 | \$3,817 | \$978 | \$2,918 | \$38 | \$7,750 | \$3,875 | \$21.11 |
| 831121NV-B96 | 300 | \$1,692 | \$607 | \$5,101 | \$38 | \$7,437 | \$3,719 | \$41.54 |
| 754690NV-161 | 150 | \$2,265 | \$976 | \$2,653 | \$38 | \$5,931 | \$5,000 | \$52.24 |
| 9003083NV-07A | 500 | \$11,851 | \$4,624 | \$12,173 | \$38 | \$28,686 | \$14,343 | \$18.85 |
| 900313NV-20C | 300 | \$4,605 | \$2,518 | \$7,769 | \$38 | \$14,929 | \$7,465 | \$18.38 |
| 880314NV-48F | 300 | \$3,653 | \$1,218 | \$6,060 | \$38 | \$10,968 | \$5,484 | \$22.64 |
| 880363NV-C18 | 200 | \$4,050 | \$1,270 | \$4,526 | \$38 | \$9,884 | \$4,942 | \$24.07 |
| 880302NV-FAD | 150 | \$3,892 | \$1,143 | \$3,973 | \$38 | \$9,046 | \$4,523 | \$14.89 |
| 8803047NV-B57 | 150 | \$3,166 | \$1,188 | \$3,472 | \$38 | \$7,864 | \$3,932 | \$25.79 |
| 73015753NV-A0E | 150 | \$3,174 | \$1,248 | \$3,884 | \$38 | \$8,343 | \$4,172 | \$17.33 |
| 900337NV-E53 | 100 | \$853 | \$335 | \$1,940 | \$38 | \$3,165 | \$1,582 | \$27.35 |
| 7301164NV-BB5 | 150 | \$2,385 | \$909 | \$3,854 | \$38 | \$7,185 | \$3,593 | \$17.03 |
| 8803625NV-224 | 100 | \$1,314 | \$423 | \$2,160 | \$38 | \$3,935 | \$1,967 | \$17.49 |
| 9003212NV-9DF | 100 | \$1,987 | \$655 | \$2,436 | \$38 | \$5,116 | \$2,558 | \$17.00 |
| 7301102NV-5CA | 100 | \$970 | \$279 | \$1,954 | \$38 | \$3,241 | \$1,620 | \$25.99 |
| 7301908NV-756 | 75 | \$3,067 | \$1,013 | \$3,584 | \$38 | \$7,701 | \$3,851 | \$15.88 |
| 880308NV-D3C | 75 | \$2,652 | \$890 | \$3,157 | \$38 | \$6,737 | \$3,368 | \$16.00 |
| 8803164NV-3C6 | 75 | \$3,473 | \$951 | \$3,456 | \$38 | \$7,918 | \$3,959 | \$19.81 |
| 8803165NV-F83 | 50 | \$1,893 | \$445 | \$1,883 | \$38 | \$4,259 | \$2,129 | \$19.65 |
| 9003603NV-336 | 300 | \$12,727 | \$3,454 | \$8,311 | \$38 | \$24,529 | \$12,265 | \$19.21 |
| 9003051NV-DBD | 300 | \$13,102 | \$4,222 | \$9,285 | \$38 | \$26,647 | \$13,324 | \$18.01 |
| 7757907NV-783 | 300 | \$11,952 | \$3,189 | \$7,398 | \$38 | \$22,577 | \$11,288 | \$26.35 |
| 7757994NV-4A4 | 200 | \$3,569 | \$1,573 | \$4,598 | \$38 | \$9,778 | \$4,889 | \$28.08 |
| 744610NV-CCA | 150 | \$2,861 | \$1,154 | \$3,297 | \$38 | \$7,349 | \$971 | \$52.24 |
| 880336NV-95F | 300 | \$11,446 | \$4,550 | \$9,402 | \$38 | \$25,437 | (\$16,748) | \$52.24 |
| 880303NV-3E8 | 300 | \$3,842 | \$1,184 | \$6,013 | \$38 | \$11,077 | \$5,538 | \$18.89 |
| 880321NV-E38 | 200 | \$3,174 | \$1,420 | \$4,957 | \$38 | \$9,589 | \$4,794 | \$14.44 |
| 8665382NV-F7A | 150 | \$6,133 | \$2,559 | \$4,595 | \$38 | \$13,324 | (\$5,179) | \$52.24 |
| 721876NV-1C6 | 200 | \$1,617 | \$449 | \$3,720 | \$38 | \$5,824 | \$2,912 | \$31.43 |
| 750191NV-4A6 | 150 | \$3,299 | \$1,196 | \$4,031 | \$38 | \$8,564 | (\$1,977) | \$52.24 |
| 880317NV-84F | 300 | \$5,121 | \$1,289 | \$5,736 | \$38 | \$12,184 | \$6,092 | \$30.86 |
| 9003244NV-058 | 300 | \$8,117 | \$2,431 | \$7,781 | \$38 | \$18,366 | \$9,183 | \$15.38 |



| ICP Number | Contract Capacity kVA | Trans Power Charge | Subtransmission Charge | Distribution Charge | PowerNet Charge | Total Line Charge | Fixed Charge per annum | Variable Charge per Day MWh |
|---------------|-----------------------|--------------------|------------------------|---------------------|-----------------|-------------------|------------------------|-----------------------------|
| 7447592NV-D72 | 150 | \$2,349 | \$502 | \$3,014 | \$38 | \$5,904 | \$2,952 | \$28.45 |
| 743312NV-D2A | 150 | \$3,195 | \$1,317 | \$3,186 | \$38 | \$7,736 | \$2,069 | \$52.24 |
| 8665408NV-7A3 | 150 | \$3,019 | \$1,248 | \$3,033 | \$38 | \$7,339 | \$3,300 | \$52.24 |
| 9003243NV-D92 | 200 | \$6,552 | \$2,768 | \$6,291 | \$38 | \$15,648 | (\$11,852) | \$52.24 |
| 880361NV-C9D | 500 | \$17,640 | \$4,914 | \$13,646 | \$38 | \$36,238 | \$18,119 | \$16.65 |
| 7302979NV-CAE | 150 | \$5,141 | \$2,030 | \$4,148 | \$38 | \$11,356 | (\$474) | \$52.24 |
| 744655NV-320 | 200 | \$4,281 | \$1,074 | \$4,844 | \$38 | \$10,237 | \$5,118 | \$19.59 |
| 7341276NV-90B | 200 | \$2,663 | \$740 | \$4,282 | \$38 | \$7,723 | \$3,861 | \$21.36 |
| 7341272NV-801 | 150 | \$2,333 | \$623 | \$3,217 | \$38 | \$6,211 | \$3,105 | \$24.62 |
| 880316NV-40A | 300 | \$3,966 | \$1,117 | \$5,941 | \$38 | \$11,062 | \$5,531 | \$29.64 |
| 900325NV-47B | 500 | \$28,251 | \$7,788 | \$17,840 | \$38 | \$53,916 | \$26,958 | \$14.23 |
| 8509962NV-AA6 | 75 | \$746 | \$251 | \$2,026 | \$38 | \$3,061 | \$1,530 | \$23.81 |
| 7317032NV-617 | 200 | \$6,746 | \$1,904 | \$5,286 | \$38 | \$13,973 | \$6,987 | \$20.69 |
| 9003573NV-568 | 200 | \$5,900 | \$2,377 | \$5,063 | \$38 | \$13,378 | (\$2,456) | \$52.24 |
| 880375NV-73A | 300 | \$3,745 | \$1,634 | \$5,217 | \$38 | \$10,634 | \$705 | \$52.24 |
| 880309NV-179 | 300 | \$5,675 | \$1,484 | \$6,411 | \$38 | \$13,608 | \$6,804 | \$20.89 |
| 8144266NV-0A8 | 200 | \$3,705 | \$1,354 | \$4,472 | \$38 | \$9,569 | \$4,784 | \$21.02 |
| 880329NV-C2C | 1000 | \$35,309 | \$11,492 | \$32,235 | \$38 | \$79,074 | \$39,537 | \$18.76 |
| 7406951NV-064 | 50 | \$1,513 | \$383 | \$1,759 | \$38 | \$3,693 | \$1,846 | \$22.23 |
| 7205085NV-6A2 | 100 | \$4,687 | \$996 | \$2,424 | \$38 | \$8,145 | \$4,072 | \$28.08 |
| 8305967NV-D0E | 750 | \$3,828 | \$3,426 | \$13,210 | \$38 | \$20,501 | \$10,250 | \$74.00 |
| 730158NV-F40 | 50 | \$1,193 | \$477 | \$1,999 | \$38 | \$3,707 | (\$1,089) | \$52.24 |
| 7501996NV-A4D | 150 | \$1,078 | \$444 | \$3,133 | \$38 | \$4,692 | (\$1,729) | \$52.24 |
| 7341792NV-7BE | 200 | \$3,430 | \$887 | \$4,454 | \$38 | \$8,809 | \$4,404 | \$19.77 |
| 9003235NV-940 | 500 | \$17,024 | \$5,482 | \$13,724 | \$38 | \$36,267 | \$18,134 | \$19.52 |
| 7229001NV-OAF | 200 | \$2,948 | \$721 | \$3,995 | \$38 | \$7,701 | \$3,851 | \$33.27 |
| 880397NV-D05 | 1000 | \$4,659 | \$1,132 | \$22,638 | \$38 | \$28,466 | \$14,233 | \$51.50 |
| 880398NV-2DB | 500 | \$3,362 | \$1,916 | \$8,311 | \$38 | \$13,627 | \$6,813 | \$44.45 |
| 722709NV-6AA | 500 | \$390 | \$86 | \$7,848 | \$38 | \$8,361 | \$4,181 | \$236.81 |
| 724187NV-3BD | 150 | \$2,425 | \$950 | \$3,729 | \$38 | \$7,141 | (\$4,442) | \$52.24 |
| 754608NV-C92 | 50 | \$89 | \$37 | \$971 | \$38 | \$1,134 | \$1,025 | \$52.24 |
| 760737NV-A1C | 500 | \$10,152 | \$4,145 | \$11,264 | \$38 | \$25,598 | \$12,799 | \$27.58 |
| 9003082NV-C3F | 75 | \$4,243 | \$1,083 | \$3,351 | \$38 | \$8,715 | \$4,357 | \$20.79 |
| 836516NV-9C5 | 200 | \$493 | \$196 | \$3,588 | \$38 | \$4,315 | \$2,086 | \$52.24 |
| 9003995NV-251 | 300 | \$3,848 | \$1,581 | \$6,254 | \$38 | \$11,720 | (\$3,249) | \$52.24 |
| 835083NV-C88 | 300 | \$4,628 | \$2,259 | \$5,775 | \$38 | \$12,700 | \$6,350 | \$46.02 |
| 825292NV-886 | 500 | \$10,238 | \$4,523 | \$11,933 | \$38 | \$26,732 | \$13,366 | \$20.91 |
| 900384NV-021 | 500 | \$16,099 | \$4,616 | \$12,704 | \$38 | \$33,457 | \$16,728 | \$20.63 |
| 7302313NV-BC5 | 75 | \$1,160 | \$490 | \$1,884 | \$38 | \$3,572 | \$1,786 | \$49.61 |
| 900383NV-DEB | 500 | \$3,842 | \$2,134 | \$9,131 | \$38 | \$15,144 | \$7,572 | \$42.48 |
| 730262NV-92A | 100 | \$1,506 | \$683 | \$1,784 | \$38 | \$4,011 | \$2,647 | \$52.24 |
| 7350005NV-3D0 | 75 | \$1,040 | \$438 | \$2,138 | \$38 | \$3,653 | \$433 | \$52.24 |
| 734360NV-62B | 75 | \$2,292 | \$973 | \$3,632 | \$38 | \$6,935 | (\$5,678) | \$52.24 |
| 735249NV-D8B | 200 | \$2,271 | \$914 | \$4,044 | \$38 | \$7,266 | \$2,575 | \$52.24 |
| 9003053NV-D38 | 300 | \$8,415 | \$3,644 | \$7,553 | \$38 | \$19,650 | \$9,825 | \$19.74 |



| ICP Number | Contract Capacity kVA | Trans Power Charge | Subtransmission Charge | Distribution Charge | PowerNet Charge | Total Line Charge | Fixed Charge per annum | Variable Charge per Day MWh |
|---------------|-----------------------|--------------------|------------------------|---------------------|-----------------|-------------------|------------------------|-----------------------------|
| 850908NV-B67 | 750 | \$22,111 | \$5,887 | \$19,900 | \$38 | \$47,937 | \$23,968 | \$16.43 |
| 734110NV-971 | 300 | \$5,778 | \$1,639 | \$6,220 | \$38 | \$13,674 | \$6,837 | \$22.20 |
| 7501257NV-2E9 | 150 | \$1,141 | \$443 | \$2,943 | \$38 | \$4,564 | \$1,017 | \$52.24 |
| 7350693NV-BBE | 75 | \$798 | \$328 | \$1,897 | \$38 | \$3,060 | \$823 | \$52.24 |
| 7447181NV-71E | 75 | \$1,331 | \$298 | \$2,202 | \$38 | \$3,869 | \$1,934 | \$22.40 |
| 900358NV-E7D | 200 | \$3,822 | \$1,580 | \$4,182 | \$38 | \$9,621 | \$3,248 | \$52.24 |
| 734460NV-929 | 200 | \$6,552 | \$1,575 | \$5,528 | \$38 | \$13,693 | \$6,846 | \$18.62 |
| 724179NV-031 | 100 | \$854 | \$312 | \$1,865 | \$38 | \$3,069 | \$1,534 | \$38.87 |
| 8425758NV-FE5 | 150 | \$5,624 | \$1,652 | \$4,246 | \$38 | \$11,559 | \$5,779 | \$20.30 |
| 7302953NV-36A | 300 | \$4,066 | \$886 | \$5,705 | \$38 | \$10,695 | \$5,347 | \$25.83 |
| 880330NV-8D0 | 200 | \$8,785 | \$2,056 | \$5,317 | \$38 | \$16,195 | \$8,098 | \$22.36 |
| 900351NV-02C | 200 | \$7,113 | \$2,140 | \$6,345 | \$38 | \$15,635 | \$7,818 | \$14.29 |
| 7341793NV-BFB | 100 | \$2,540 | \$610 | \$2,281 | \$38 | \$5,469 | \$2,734 | \$21.06 |
| 734188NV-482 | 300 | \$11,820 | \$3,606 | \$9,115 | \$38 | \$24,578 | \$12,289 | \$14.23 |
| 800449NV-3FB | 75 | \$1,342 | \$548 | \$2,296 | \$38 | \$4,224 | \$350 | \$52.24 |
| 900308NV-675 | 1250 | \$10,088 | \$3,931 | \$30,116 | \$38 | \$44,172 | \$22,086 | \$36.97 |
| 8305981NV-63B | 500 | \$15,483 | \$4,698 | \$12,343 | \$38 | \$32,561 | \$16,281 | \$26.18 |
| 832431NV-6DE | 1000 | \$3,032 | \$676 | \$19,168 | \$38 | \$22,913 | \$11,457 | \$76.00 |
| 8305375NV-D2C | 100 | \$596 | \$217 | \$1,825 | \$38 | \$2,675 | \$1,338 | \$38.40 |
| 760735NV-A99 | 150 | \$2,415 | \$779 | \$3,104 | \$38 | \$6,335 | \$3,167 | \$32.54 |
| 900319NV-09D | 200 | \$7,284 | \$2,675 | \$7,080 | \$38 | \$17,076 | (\$6,946) | \$52.24 |
| 740630NV-71F | 150 | \$5,542 | \$1,569 | \$3,978 | \$38 | \$11,126 | \$5,563 | \$25.40 |
| 9003193NV-3D3 | 200 | \$3,196 | \$1,366 | \$3,691 | \$38 | \$8,291 | \$5,462 | \$52.24 |
| 744586NV-1A1 | 150 | \$2,463 | \$1,046 | \$2,796 | \$38 | \$6,342 | \$3,458 | \$52.24 |
| 744502NV-5E1 | 200 | \$2,313 | \$980 | \$3,673 | \$38 | \$7,004 | \$4,497 | \$52.24 |
| 744592NV-A06 | 200 | \$2,320 | \$964 | \$3,769 | \$38 | \$7,091 | \$3,930 | \$52.24 |
| 731881NV-4FA | 200 | \$4,026 | \$1,661 | \$4,364 | \$38 | \$10,088 | \$1,653 | \$52.24 |
| 8509025NV-CC0 | 300 | \$11,223 | \$2,974 | \$8,065 | \$38 | \$22,300 | \$11,150 | \$15.25 |
| 8803032NV-345 | 150 | \$3,367 | \$730 | \$3,508 | \$38 | \$7,642 | \$3,821 | \$23.10 |
| 900342NV-641 | 100 | \$6,477 | \$1,798 | \$3,448 | \$38 | \$11,760 | \$5,880 | \$18.20 |
| 744608NV-473 | 300 | \$8,241 | \$2,144 | \$6,799 | \$38 | \$17,221 | \$8,611 | \$19.61 |
| 933534NV-759 | 200 | \$5,795 | \$6,331 | \$4,002 | \$38 | \$16,166 | \$8,083 | \$24.09 |
| 931777NV-07B | 750 | \$29,403 | \$35,975 | \$18,914 | \$38 | \$84,330 | \$42,165 | \$20.96 |
| 931749NV-418 | 300 | \$11,650 | \$9,013 | \$4,945 | \$38 | \$25,646 | \$12,823 | \$49.89 |
| 931775NV-0FE | 150 | \$2,191 | \$3,838 | \$2,360 | \$38 | \$8,427 | \$6,146 | \$52.24 |
| 930503NV-F8B | 100 | \$1,370 | \$1,666 | \$1,706 | \$38 | \$4,779 | \$2,390 | \$38.42 |
| 930505NV-E04 | 150 | \$3,896 | \$6,241 | \$3,636 | \$38 | \$13,810 | (\$2,073) | \$52.24 |
| 920755NV-4EA | 150 | \$5,755 | \$7,468 | \$4,106 | \$38 | \$17,367 | \$8,683 | \$20.65 |
| 931776NV-C3E | 150 | \$2,812 | \$4,725 | \$2,789 | \$38 | \$10,364 | \$3,403 | \$52.24 |
| 930921NV-E57 | 200 | \$2,119 | \$3,580 | \$3,366 | \$38 | \$9,103 | \$4,639 | \$52.24 |
| 931326NV-837 | 150 | \$1,407 | \$2,368 | \$2,449 | \$38 | \$6,261 | \$3,375 | \$52.24 |
| 9406013NV-102 | 500 | \$20,026 | \$21,079 | \$12,150 | \$38 | \$53,293 | \$26,646 | \$22.50 |
| 9406011NV-187 | 500 | \$16,011 | \$18,374 | \$10,637 | \$38 | \$45,059 | \$22,529 | \$24.13 |
| 9408016NV-48D | 1750 | \$57,933 | \$102,462 | \$42,748 | \$38 | \$203,180 | \$101,590 | \$24.80 |
| 931706NV-963 | 30 | \$80 | \$157 | \$465 | \$38 | \$739 | \$321 | \$52.24 |



| ICP Number | Contract Capacity kVA | Trans Power Charge | Subtransmission Charge | Distribution Charge | PowerNet Charge | Total Line Charge | Fixed Charge per annum | Variable Charge per Day MWh |
|--------------|-----------------------|--------------------|------------------------|---------------------|-----------------|-------------------|------------------------|-----------------------------|
| 931760NV-71C | 150 | \$2,222 | \$3,706 | \$2,564 | \$38 | \$8,529 | \$4,715 | \$52.24 |
| 934525NV-5D1 | 150 | \$1,354 | \$2,200 | \$2,605 | \$38 | \$6,196 | \$2,267 | \$52.24 |



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 | 15 | \$1,323 | \$568 | \$3,679 | \$565 | \$0.4873 | \$52.24 |
| Small Domestic (8kVA 1 Phase) - With Off Peak | ND08Q | 178 | \$13,085 | \$5,769 | \$35,072 | \$6,702 | \$0.3390 | \$52.24 |
| Standard Domestic (20kVA 1 Phase) - All Peak | ND20P | 562 | \$99,103 | \$42,576 | \$281,662 | \$21,159 | \$0.9005 | \$52.24 |
| Standard Domestic (20kVA 1 Phase) - With Off Peak | ND20Q | 11390 | \$1,674,603 | \$738,347 | \$4,697,382 | \$428,837 | \$0.6251 | \$52.24 |
| 10% Fixed Charge Option - All Peak | NDL20P | 123 | \$16,658 | \$7,454 | \$18,870 | \$4,631 | \$0.1500 | \$84.51 |
| 10% Fixed Charge Option - With Off Peak | NDL20Q | 1851 | \$210,724 | \$95,700 | \$201,141 | \$69,691 | \$0.0000 | \$84.51 |
| 10% Fixed Charge Option (8kVA 1 Phase) - All Peak | NDL08P | 2 | \$168 | \$73 | \$341 | \$75 | \$0.1500 | \$69.65 |
| 10% Fixed Charge Option (8kVA 1 Phase) - With Off Peak | NDL08Q | 33 | \$2,316 | \$1,026 | \$3,897 | \$1,242 | \$0.0000 | \$69.65 |
| Non-Domestic Single Phase | | | | | | | | |
| Street Lights (1 Phase) | NS001L | 4221 | \$17,556 | \$7,645 | \$125,207 | \$3,731 | \$0.0743 | \$52.24 |
| 1 kVA 1 Phase - All Peak | NS001P | 34 | \$3,243 | \$1,324 | \$11,272 | \$1,280 | \$0.3496 | \$52.24 |
| 8 kVA 1 Phase - All Peak | NS008P | 152 | \$13,402 | \$5,758 | \$37,284 | \$5,723 | \$0.4873 | \$52.24 |
| 8 kVA 1 Phase - With Off Peak | NS008Q | 15 | \$1,103 | \$486 | \$2,956 | \$565 | \$0.3390 | \$52.24 |
| 20 kVA 1 Phase - All Peak | NS020P | 324 | \$57,134 | \$24,545 | \$162,382 | \$12,199 | \$0.9005 | \$52.24 |
| 20 kVA 1 Phase - With Off Peak | NS020Q | 123 | \$18,084 | \$7,973 | \$50,727 | \$4,631 | \$0.6251 | \$52.24 |
| Non-Domestic Three Phase | | | | | | | | |
| 15 kVA 3 Phase - All Peak | NT015P | 52 | \$8,597 | \$3,693 | \$22,565 | \$1,958 | \$0.7523 | \$52.24 |
| 15 kVA 3 Phase - With Off Peak | NT015Q | 7 | \$965 | \$425 | \$2,438 | \$264 | \$0.4873 | \$52.24 |
| 30 kVA 3 Phase - All Peak | NT030P | 483 | \$159,460 | \$69,799 | \$312,829 | \$18,185 | \$1.2607 | \$52.24 |
| 30 kVA 3 Phase - With Off Peak | NT030Q | 146 | \$40,338 | \$18,029 | \$77,742 | \$5,497 | \$0.8581 | \$52.24 |
| 50 kVA 3 Phase - All Peak | NT050P | 262 | \$193,643 | \$83,748 | \$432,087 | \$9,864 | \$2.5744 | \$52.24 |
| 50 kVA 3 Phase - With Off Peak | NT050Q | 80 | \$49,363 | \$21,871 | \$112,365 | \$3,012 | \$1.7480 | \$52.24 |
| 75 kVA 3 Phase - All Peak | NT075P | 100 | \$126,855 | \$55,527 | \$275,709 | \$3,765 | \$5.2864 | \$52.24 |
| 75 kVA 3 Phase - With Off Peak | NT075Q | 16 | \$16,986 | \$7,592 | \$37,652 | \$602 | \$3.8457 | \$52.24 |
| 100 kVA 3 Phase - All Peak | NT100P | 56 | \$113,103 | \$49,507 | \$206,472 | \$2,108 | \$6.4305 | \$52.24 |
| 100 kVA 3 Phase - With Off Peak | NT100Q | 8 | \$13,522 | \$6,043 | \$25,884 | \$301 | \$4.6614 | \$52.24 |
| EIL Bluff | | | | | | | | |
| Domestic | | | | | | | | |
| Small Domestic (8kVA 1 Phase) - All Peak | BD08P | 3 | \$265 | \$527 | \$323 | \$113 | \$0.4873 | \$52.24 |
| Small Domestic (8kVA 1 Phase) - With Off Peak | BD08Q | 5 | \$368 | \$743 | \$405 | \$188 | \$0.3390 | \$52.24 |
| Standard Domestic (20kVA 1 | BD20P | 137 | \$24,159 | \$48,116 | \$30,924 | \$5,158 | \$0.9005 | \$52.24 |



| 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 |
|--|--------|-----------------------|-------------------|-------------------------|---------------------|--------------------|----------------------|-----------------------------------|
| Phase) - All Peak | | | | | | | | |
| Standard Domestic (20kVA 1 Phase) - With Off Peak | BD20Q | 598 | \$87,920 | \$177,613 | \$107,775 | \$22,515 | \$0.6251 | \$52.24 |
| 10% Fixed Charge Option - All Peak | BDL20P | 44 | \$5,959 | \$12,489 | -\$3,073 | \$1,657 | \$0.1500 | \$84.51 |
| 10% Fixed Charge Option - With Off Peak | BDL20Q | 91 | \$10,360 | \$21,894 | -\$7,301 | \$3,426 | \$0.0000 | \$84.51 |
| 10% Fixed Charge Option (8kVA 1 Phase) - All Peak | BDL08P | 1 | \$84 | \$169 | \$38 | \$38 | \$0.1500 | \$69.65 |
| 10% Fixed Charge Option (8kVA 1 Phase) - With Off Peak | BDL08Q | 3 | \$211 | \$429 | \$19 | \$113 | \$0.0000 | \$69.65 |
| Non-Domestic Single Phase | | | | | | | | |
| Street Lights (1 Phase) | BS001L | 352 | \$1,464.05 | \$2,965.94 | \$7,910.32 | \$513.68 | \$0.0743 | \$52.24 |
| 1 kVA 1 Phase - All Peak | BS001P | 1 | \$95.38 | \$178.09 | \$192.39 | \$37.65 | \$0.3496 | \$52.24 |
| 8 kVA 1 Phase - All Peak | BS008P | 9 | \$793.53 | \$1,580.47 | \$968.02 | \$338.85 | \$0.4873 | \$52.24 |
| 8 kVA 1 Phase - With Off Peak | BS008Q | 0 | \$0.00 | \$0.00 | \$0.00 | \$0.00 | \$0.3390 | \$52.24 |
| 20 kVA 1 Phase - All Peak | BS020P | 29 | \$5,113.86 | \$10,185.24 | \$6,545.87 | \$1,091.86 | \$0.9005 | \$52.24 |
| 20 kVA 1 Phase - With Off Peak | BS020Q | 2 | \$294.05 | \$594.02 | \$360.45 | \$75.30 | \$0.6251 | \$52.24 |
| Non-Domestic Three Phase | | | | | | | | |
| 15 kVA 3 Phase - All Peak | BT015P | 3 | \$496 | \$988 | \$527 | \$113 | \$0.7523 | \$52.24 |
| 15 kVA 3 Phase - With Off Peak | BT015Q | 1 | \$138 | \$278 | \$131 | \$38 | \$0.4873 | \$52.24 |
| 30 kVA 3 Phase - All Peak | BT030P | 37 | \$12,215 | \$24,907 | \$4,404 | \$1,393 | \$1.2607 | \$52.24 |
| 30 kVA 3 Phase - With Off Peak | BT030Q | 7 | \$1,934 | \$3,989 | \$602 | \$264 | \$0.8581 | \$52.24 |
| 50 kVA 3 Phase - All Peak | BT050P | 12 | \$8,869 | \$17,813 | \$5,813 | \$452 | \$2.5744 | \$52.24 |
| 50 kVA 3 Phase - With Off Peak | BT050Q | 4 | \$2,468 | \$5,023 | \$1,688 | \$151 | \$1.7480 | \$52.24 |
| 75 kVA 3 Phase - All Peak | BT075P | 8 | \$10,148 | \$20,693 | \$5,806 | \$301 | \$5.2864 | \$52.24 |
| 75 kVA 3 Phase - With Off Peak | BT075Q | 1 | \$1,062 | \$2,190 | \$638 | \$38 | \$3.8457 | \$52.24 |
| 100 kVA 3 Phase - All Peak | BT100P | 4 | \$8,079 | \$16,473 | \$1,811 | \$151 | \$6.4305 | \$52.24 |
| 100 kVA 3 Phase - With Off Peak | BT100Q | 1 | \$1,690 | \$3,486 | \$505 | \$38 | \$4.6614 | \$52.24 |