

POWERNET LIMITED LINE PRICING METHODOLOGY FOR THE POWER COMPANY LIMITED NETWORK AS AT 1 APRIL 2010

1. INTRODUCTION

- 1.1 PowerNet Limited (PNL) has a responsibility for the management of the network assets owned by The Power Company Limited (TPCL).
- 1.2 The total line charge is based on the following components:
 - (a) Transmission Grid Asset Management costs. (Transpower)
 - (b) Sub transmission 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) TPCL use charge comprising depreciation, return on 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 week day between June and August inclusive)
 - (c) The Winter Peak energy MWh. (0700-1100 hours and 1700-2100 hours, each week day 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 connection charges and sub transmission 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, sub transmission 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:

1kVA = 100%

2kVA to 110kVA = ramp function from 13.75% to 39%

Between 110kVA and 3000kVA = ramp function from 40% - 95%

Above 3000kVA = 95%.

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 50kVA = 30%

For connections between 51kVA and 100kVA = 30% - 75%

For connections between 101kVA and 2500kVA = ramp function from 75% - 95%

For connections above 2500kVA = 95%.

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.

In most cases these installations have contract capacities in excess of 100kVA. Due to their size, these consumers have a higher impact on the network design and operation and therefore their geographic location is taken into account when calculating their individual line charges. This also provides a signal for future investment and through the correct pricing discourages network bypass. In the case of these consumers, there are also individual calculated or estimated loss factors.

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.

Irrigation Installations and Embedded Networks

Irrigation installations and embedded networks are a sub group of individual consumers. An "Irrigation Installation" is a connected customer's installation, which is used solely for pumping water commercially for irrigating farmland. An "Embedded Network" is an electricity distribution network that is owned by someone other than The Power Company Limited and is connected to The Power Company's network via a registered Network Supply Point. The embedded network must be metered with a compliant half hour meter at the NSP. Due to the uncertain nature of electricity consumption in both irrigation installations and embedded networks this sub group of installations will have their line charges calculated in the same way as individual customers, but will have the total line charge recovered with a fully fixed line charge.

(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.

The group consumer segments are divided into two areas taking into account the types of reticulation involved in their supply. These distinct groupings are classed as urban and rural.

The urban areas are defined areas within Southland including all the small townships and city areas.

The remaining areas are classified as rural and there is a price cap on the fixed charge component of the line charge.

1.8 The costs of the sub transmission 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 the cost of capital required to fund the assets. The Power Company Limited requires a “Use Charge (lease charge) for its assets from PowerNet (the asset manager). This Use Charge includes the allowance for depreciation for its assets and its required gross return. This is not the net return on investment but the gross return before expenses and tax. As the company is owned by a consumer trust, the required gross return is presently comparatively low as most of the consumer shareholders receive an implicit benefit in the way of reduced line charges.

The estimated carrying value of The Power Company network at 1 April 2010 is \$275.42 million. The Use Charge of \$26.178 million is represented by depreciation of \$11.965 million, asset write downs of \$0.75 million ownership costs of \$1.232 million and a gross return or net profit before tax of \$12.23 million, the later equating to 4.4% of the carrying value of the assets.

Asset Impairment and Future Pricing

Prior to threshold based regulation, with consumer trust stewardship, the Company had the ability to increase prices if or when required for capital or increased maintenance expenditure due to major growth, unexpected events or renewing equipment reaching the end of its life cycle.

Operating within the confines of the price path regulation has restricted the ability of the company to respond to these influences when required.

The rate of return on the lines business assets for The Power Company Limited is one of the lowest in the country and is below the Company’s Weighted Average Cost of Capital (WACC). The continued operation of the company at these low returns runs the risk of eroding the asset base over time, could result in value impairment (audit requirements under NZIAS 36) and would not be in the long term interest of the consumers.

Five years ago the Company embarked on a five year programme to improve its return on assets towards WACC at the end of the five years through improving operational efficiency and increasing line charge rates. The Company will then have discretion over the use of this increased return to be used for expanding the business of the Company, meeting operational and capital requirements, debt reduction or as a discount to its consumers.

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. Due to the uncertain and variable consumption levels of irrigation supplies and embedded networks, the line charges for these consumer groups are recovered by a 100% fixed line charge.
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 sub transmission 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
1015827TP-5C5	150	98.1	148	26	52	56
110146TP-A8C	200	138	160	17	43	101
110197TP-B8B	150	125	148	23	55	75
112267TP-BDF	150	80	49	9	31	11
116195TP-ECE	150	150	337	50	105	190
118447TP-ECC	150	135	130	18	41	62
118468TP-C47	100	91	255	38	99	97
1186119TP-9E7	200	295	269	46	122	141
118615TP-C46	200	145	318	43	106	126
141990TP-498	150	150	38	3	4	31
142817TP-7FC	150	135	91	18	36	32
157641TP-7B1	150	135	54	9.5	20	32
180710TP-2C9	150	150	51	9	18	24
184621TP-6F0	50	45	63	14	33	21
184687TP-F60	150	135	155	31	62	54
190101TP-AC6	150	135	117	22	41	45
192519TP-D3E	150	121	122	5	10	12
221318TP-720	150	135	73	16	33	20
240375TP-473	150	150	337	60	167	125
240526TP-6BD	150	82	248	24	63	108
241126TP-B1C	150	150.01	239	41	98	41
300360TP-C68	75	22	1	1	1	1
313732TP-2E5	200	212	251	28	62	166
314914TP-C54	200	284	280	31	96	170
373002TP-847	200	100	115	14	29	67

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
389990TP-5F0	150	59	189	14	32	101
389997TP-83A	200	86	179	18	43	86
391396TP-B94	150	100	81	17	34	35
396517TP-0FD	50	18	32	5	13	12
4004001TP-401	150	54	68	12.3	32	27
400440TP-B34	100	40	130	14	35	44
400495TP-B39	200	95	360	16	38	67
404955TP-F5E	100	71	116	21	52	45
405190TP-453	150	74	218	23	59	109
405350TP-9BB	150	90	256	24	70	119
405508TP-5A1	200	127	534	61	170	198
405769TP-C13	200	99	238	22	70	90
416731TP-C0E	150	78	139	22.6	57	52
4182832TP-1BD	200	192	421	65	180	160
4182836TP-0B7	150	189	233	35	77	92
482070TP-CA8	300	300	55	8	16	35
502013TP-4D1	150	100	51	5	13	25
517704TP-375	150	136	130	21	43	56
525441TP-DF0	150	135.1	42	6.1	15	16
5290993TP-D4F	150	63	87	17	39	33
543645TP-165	30	10.1	20	3	6	8
549325TP-5D0	500	128.1	720	87	236	261
549615TP-72D	150	80	311	43	113	102
5672985TP-1EF	100	84	67	10	27	26
5791154TP-B14	150	150	238	45	99	100
5791985TP-A1E	150	136	108	20.1	42	42
595728TP-15B	500	240	111	21	49	50
615269TP-92F	300	265	260	49	107	140
624606TP-58C	150	150	144	14	31	76
625837TP-99A	150	151	212	41	100	104
632751TP-46B	150	29	49	8.2	22.1	16
6438485TP-221	200	57	135	14.1	42	52
656382TP-D30	100	10	1	1	1	1
800113TP-837	100	18.5	85	7.6	22	35
800118TP-6E3	150	150	20	3	6	8
8001275TP-A4C	75	75	116	15	31	56
800128TP-11B	100	100	36	7	15	17
8001305TP-615	30	43	60	10	19	25
8001505TP-013	300	122	465	55	136	209

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
800150TP-652	100	90	134	30	60	65
800151TP-A17	100	35	116	14	32	56
8001611TP-8B7	30	24	67	3	7	35
800167TP-C60	150	10	1	1	1	1
8001708TP-54F	100	50	10	2.5	7	2
8001875TP-046	200	10	1.1	1.1	1	1

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
100109TP-F16	100	46	121	183	33	81	64
116167TP-E5C	150	19	39	130	19	49	38
1164012TP-00A	300	65	186	586	85	224	155
1186118TP-5A2	200	68	99	327	41	109	112
141326TP-DAF	200	60	109	507	47	132	216
141806TP-3F4	150	1	10	130	1	2	86
141924TP-720	200	12	105	80	1	1	53
1421365TP-AF8	150	80	66	150	4	11	95
150910TP-893	500	16	136	423	22	60	229
150912TP-816	750	0	228	315	8	22	169
150925TP-224	150	62	86	397	46	130	139
150931TP-983	500	154	294	297	46	109	176
166724TP-C86	500	246	429	1709	204	556	624
176630TP-6C4	150	35	82	244	30	80	86
177096TP-8F2	150	76	172	350	58	143	128
181750TP-1CC	200	100	150	300	98	165	220
181911TP-927	75	42	129	578	35	96	136
1819179TP-7AE	150	61	103	284	37	110	144
1819183TP-528	150	21	38	86	13	33	33
1819727TP-A3B	100	13	54	114	14	43	56
181975TP-7DD	150	49	96	372	46	145	187
182010TP-E8B	100	71	118	359	61	145	144
185015TP-7A4	200	10	79	64	13	31	23
186250TP-0A9	750	47	169	229	50	131	36
192534TP-F30	150	31	70	149	22	62	73
192544TP-A6D	300	244	328	1494	212	549	616
204735TP-7C2	100	34	111	151	28	67	50

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
235545TP-814	200	76	128	513	74	189	215
244381TP-3EE	50	1	10	86	1	2	57
249945TP-521	150	42	59	216	16	39	125
249946TP-9E1	150	10	47	151	7	18	120
249967TP-8F1	100	50	50	136	15	40	75
250351TP- OCD	300	80	148	596	70	189	228
304798TP-4EA	300	25	164	117	25	68	46
315340TP-EFC	500	29	600	508	46	146	180
318907TP-1B9	100	0	56	69	2	7	45
3193735TP-319	200	1	66	214	10	20	143
319705TP-697	150	0	70	102	1	1	69
319736TP-DAF	200	1	96	119	2	2	81
331280TP-F5A	150	0	40	75	1	1	49
333040TP-1F2	200	1	54	276	1	3	182
333049TP-FA3	150	3	56	195	5	14	119
3330508TP-D6D	300	1	50	132	1	1	103
3330513TP-914	150	9	75	137	1	1	93
333060TP-CA7	150	10	60	228	16	45	128
362484TP-9C2	200	149	243	458	66	178	198
364828TP-B0F	150	2	28	23	4	10	6
3764605TP-D7E	300	150	161	300	40	110	150
382896TP-29B	200	0	60	107	2	2	73
389999TP-BA1	300	11	89	107	8	18	56
391339TP-C55	50	10	18	68	8	20	28
401815TP-3DF	300	110	180	906	112	300	414
403101TP-231	150	55	143	397	77	163	132
405386TP-576	150	9	88	51	9	25	17
405545TP-85F	150	30	100	224	26	79	136
418284TP-E36	500	207	417	392	87	180	202
424510TP-575	500	192	237	448	76	145	221
4245295TP-206	150	21	57	76	15	39	28
426599TP-D2E	500	169	220	1005	121	328	432
427512TP-710	150	6	51	39	7	21	15
4370715TP-029	500	106	238	180	35	75	105
437074TP-48B	1000	40	40	36	6	12	16
437078TP-795	1000	144	376	600	87	175	250
437081TP-9D3	200	65	75	80	15	35	40
444030TP-F7D	200	87	182	361	63	159	119

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
482021TP-8E5	150	22	60	156	23	57	54
482074TP-DA2	200	33	49	54	9	22	29
520373TP-2AF	1500	276	535	566	123	208	331
521003TP-551	75	1	10	1	1	1	1
522002TP-BF4	150	96	126	225	36	84	114
530906TP-856	300	86	229	454	79	162	191
5552033TP-EA2	3000	444	1807	7806	504	1469	3567
5552049TP-96E	300	110	221	972	79	194	455
5552055TP-0DD	2000	950	1379	6794	682	1717	3062
555205TP-2E0	100	36	70	200	16	44	71
5552249TP-369	300	200	250	500	60	160	150
556467TP-973	1000	377	368	1696	155	437	740
564570TP-57C	50	12	28	104	11	33	45
5678995TP-502	200	42	109	398	44	150	130
568266TP-ADC	500	144	495	1577	157	387	451
5682737TP-04F	300	13	91	234	13	22	33
5684239TP-311	150	20	71	185	24	45	39
568791TP-204	100	36	65	278	30	88	120
569639TP-0AB	150	10	75	54	10	26	26
569640TP-BA7	200	28	239	110	16	42	36
5791016TP-030	50	19	36	142	15	43	61
5791226TP-DCF	300	78	167	461	61	160	168
579184TP-AA1	100	14	90	237	20	35	37
589190TP-49A	150	47	127	186	33	77	67
612680TP-5A5	100	26	46	116	9	25	63
613920TP-315	100	20	45	46	10	22	20
617670TP-292	750	119	233	457	62	145	197
6204404TP-0E5	1000	355	519	1714	295	582	672
6204405TP-CA0	300	155	198	548	95	189	213
6204407TP-C25	500	334	367	1641	219	547	550
6204408TP-3FB	750	442	462	2239	305	725	811
620456TP-103	750	171	301	812	145	296	320
624649TP-8F7	500	0	172	406	5	12	237
632798TP-DD5	100	20	140	224	23	65	81
633604TP-988	200	22	123	189	9	23	105
634528TP-0A0	30	9	9	54	4	9	27
637250TP-A0B	750	3	394	564	120	331	22
6375055TP-7DC	500	7	280	430	19	54	241

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
6438465TP-89B	500	94	266	603	105	243	251
643847TP-B5F	500	47	94	212	35	81	91
643886TP-0F5	200	51	141	65	13	30	34
657599TP-EEF	100	20	55	137	22	51	50
690224TP-CD4	150	25	41	138	19	52	40
8001011TP-EB1	300	109	218	253	35	96	100
8001015TP-FBB	300	174	270	1185	154	360	480
800103TP-29A	300	96	216	506	51	119	229
8001045TP-7B3	500	256	350	1088	120	263	556
800104TP-F50	500	344	561	2337	280	723	983
800105TP-315	10000	3975	10625	42096	3669	9273	20107
800107TP-390	200	69	205	693	45	114	367
800114TP-5FD	500	197	286	1673	158	435	683
800116TP-578	3000	1249	1356	6014	645	1708	17717
800117TP-93D	750	500	600	2577	276	731	1079
800120TP-30F	200	13	221	111	18	67	41
800121TP-F4A	2000	1167	1803	6160	704	1910	2541
8001245TP-DB4	500	193	520	258	35	90	161
800125TP-E40	2000	1258	1577	4275	625	1348	2167
800127TP-EC5	300	24	60	164	21	55	57
800130TP-9A2	300	260	328	1713	213	569	707
8001315TP-CB8	2250	683	1082	4627	336	806	2503
800131TP-5E7	2500	564	1023	2342	380	707	989
8001320TP-60F	300	58	139	223	39	88	96
800132TP-927	100	34	36	279	28	79	110
800133TP-562	4500	0	85	41	3	8	19
800134TP-8A8	5000	1803	4621	17514	1846	4478	7991
8001365TP-9E5	750	285	558	2423	246	655	1074
800139TP-7F3	300	89	215	452	72	159	205
800146TP-D70	22000	10916	16507	69214	3801	10682	35573
800147TP-135	150	75	104	463	61	149	193
800149TP-2AE	300	220	304	1624	219	527	635
800152TP-6D7	1250	727	1042	4039	328	787	2140
800153TP-A92	500	104	193	302	46	125	159
800155TP-B1D	300	302	313	2523	249	705	977
800158TP-446	3500	200	200	120	15	40	60
800161TP-DEF	500	101	165	503	36	80	278
800163TP-D6A	300	58	151	364	48	105	153

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
800164TP-0A0	500	130	293	906	121	280	384
800166TP-025	200	66	121	295	28	79	139
8001695TP-CF7	500	227	444	2291	205	523	1085
800169TP-FFB	150	76	114	520	50	134	223
800170TP-B07	750	279	451	1252	105	245	591
800171TP-742	1500	330	250	360	60	125	175
8001801TP-411	1000	536	893	4204	542	1411	1414
8001815TP-FB6	1000	746	1041	3409	614	1213	1237
800181TP-755	500	152	276	611	95	207	260
800186TP-A9F	1250	550	1200	2000	120	300	1600

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
TPC Urban							
Domestic							
Small Domestic (8kVA 1 Phase) - All Peak	UD08P	62	64	264	43	95	94
Small Domestic (8kVA 1 Phase) - With Off Peak	UD08Q	296	261	1263	153	409	440
Standard Domestic (20kVA 1 Phase) - All Peak	UD20P	1,104	2867	11774	1901	4237	4186
Standard Domestic (20kVA 1 Phase) - With Off Peak	UD20Q	10,926	24119	116525	14111	37739	40598
10% Fixed Charge Option - All Peak	UDL20P	413	1073	2447	395	881	870
10% Fixed Charge Option - With Off Peak	UDL20Q	2,569	5671	15221	1843	4930	5303
10% Fixed Charge Option (8kVA 1 Phase) - All Peak	UDL08P	18	19	68	8	25	24
10% Fixed Charge Option (8kVA 1 Phase) - With Off Peak	UDL08Q	75	66	284	34	92	99
Non-Domestic Single Phase							
Street Lights (1 Phase)	US001L	3,143	801	2581	417	929	918
1 kVA 1 Phase - All Peak	US001P	42	42	406	66	146	144
8 kVA 1 Phase - All Peak	US008P	181	188	772	125	278	275
8 kVA 1 Phase - With Off Peak	US008Q	20	18	85	10	28	30
20 kVA 1 Phase - All Peak	US020P	389	1010	4149	670	1493	1475
20 kVA 1 Phase - With Off Peak	US020Q	132	291	1408	170	456	490
Non-Domestic Three Phase							
15 kVA 3 Phase - All Peak	UT015P	82	160	656	106	236	233
15 kVA 3 Phase - With Off Peak	UT015Q	9	15	72	9	23	25
30 kVA 3 Phase - All Peak	UT030P	588	2756	8048	1299	2896	2861

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
30 kVA 3 Phase - With Off Peak	UT030Q	109	434	1492	181	483	520
50 kVA 3 Phase - All Peak	UT050P	299	3124	11404	1841	4104	4054
50 kVA 3 Phase - With Off Peak	UT050Q	93	826	3547	430	1149	1236
75 kVA 3 Phase - All Peak	UT075P	96	1979	5780	933	2080	2055
75 kVA 3 Phase - With Off Peak	UT075Q	23	403	1385	168	448	482
100 kVA 3 Phase - All Peak	UT100P	11	375	1095	177	394	389
100 kVA 3 Phase - With Off Peak	UT100Q	2	58	199	24	64	69
TPC Rural							
Domestic							
Small Domestic (8kVA 1 Phase) - All Peak	RD08P	103	107	439	71	158	156
Small Domestic (8kVA 1 Phase) - With Off Peak	RD08Q	146	129	623	75	202	217
Standard Domestic (20kVA 1 Phase) - All Peak	RD20P	1,164	3023	12414	2004	4467	4413
Standard Domestic (20kVA 1 Phase) - With Off Peak	RD20Q	6,842	15104	72970	8837	23632	25423
10% Fixed Charge Option - All Peak	RDL20P	238	618	1410	228	507	501
10% Fixed Charge Option - With Off Peak	RDL20Q	756	1669	4479	542	1451	1561
10% Fixed Charge Option (8kVA 1 Phase) - All Peak	RDL08P	16	17	61	7	22	22
10% Fixed Charge Option (8kVA 1 Phase) - With Off Peak	RDL08Q	9	8	34	4	11	12
Non-Domestic Single Phase							
Street Lights (1 Phase)	RS001L	517	132	425	69	153	151
1 kVA 1 Phase - All Peak	RS001P	134	134	1295	209	466	460
8 kVA 1 Phase - All Peak	RS008P	911	946	3886	628	1398	1382
8 kVA 1 Phase - With Off Peak	RS008Q	24	21	102	12	33	36
20 kVA 1 Phase - All Peak	RS020P	2,029	5269	21639	3494	7787	7693

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
20 kVA 1 Phase - With Off Peak	RS020Q	215	475	2293	278	743	799
Non-Domestic Three Phase							
15 kVA 3 Phase - All Peak	RT015P	247	481	1976	319	711	702
15 kVA 3 Phase - With Off Peak	RT015Q	11	18	88	11	28	31
30 kVA 3 Phase - All Peak	RT030P	2,249	10541	30781	4970	11076	10943
30 kVA 3 Phase - With Off Peak	RT030Q	329	1311	4503	545	1458	1569
50 kVA 3 Phase - All Peak	RT050P	413	4315	15752	2543	5668	5600
50 kVA 3 Phase - With Off Peak	RT050Q	604	5364	23037	2790	7461	8026
75 kVA 3 Phase - All Peak	RT075P	62	1278	3733	603	1343	1327
75 kVA 3 Phase - With Off Peak	RT075Q	21	368	1264	153	409	441
100 kVA 3 Phase - All Peak	RT100P	20	682	1991	321	716	708
100 kVA 3 Phase - With Off Peak	RT100Q	7	203	697	84	226	243

2. TRANSMISSION CHARGES

Transmission charges reflect the Transpower grid asset management costs incurred by The Power Company Ltd based on the four points of supply and also include the equivalent costs of the Pioneer Generation point of supply at Monowai Power Station in Western Southland, the Meridian Wind Farm at White Hill and the Mataura Industrial Park Hydro generation at Mataura.

The five points of supply are:

- (a) Gore
- (b) Edendale
- (c) Invercargill
- (d) North Makarewa
- (e) Monowai, White Hill, Mataura

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 charges for each point of supply are:

	Connection
(a) Gore	\$549,675
(b) Edendale	\$244,040
(c) Invercargill	\$367,406
(d) North Makarewa	\$702,206

The total connection charge for Invercargill is \$1,113,974. The Power Company's share is \$367,406.

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

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

For individual customers this equates to:

Point of Supply	Per kVA Peak Demand	Per Winter Peak MWh	Per Winter Day MWh
Gore	\$10.73	\$5.69	\$1.93
Edendale	\$7.58	\$6.13	\$1.94
Invercargill (TPCL)	\$7.63	\$3.83	\$1.31
North Makarewa	\$8.16	\$4.16	\$1.41

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
All Points of Supply	\$8.75	\$4.58	\$1.55

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 100 highest coincident peak demands at each point of supply with that recorded for Transpower's lower south island region during the period 1 September to 31 August each year.

The total interconnection charges for each point of supply are:

(a)	Gore	\$1,660,746
(b)	Edendale	\$1,111,311
(c)	Invercargill	\$1,639,078
(d)	North Makarewa	\$1,687,357
(e)	Monowai, White Hill, Matura	\$1,158,866

The Power Company's share of the Invercargill interconnection charge of \$5,203,423 is \$1,639,078.

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:

Point of Supply	Per kVA Peak Demand	Per Winter Peak MWh	Per Winter Day MWh
Gore	\$27.78	\$25.78	\$5.83
Edendale	\$29.57	\$41.89	\$8.84
Invercargill (TPCL)	\$29.17	\$25.62	\$5.82
North Makarewa	\$28.36	\$14.99	\$3.40

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

Point of Supply	Per kVA Coincident Peak Demand
Gore	\$69.12
Edendale	\$69.12
Invercargill (TPCL)	\$69.12
North Makarewa	\$69.12

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
All Points of Supply	\$27.39	\$25.11	\$5.65

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	4	\$1,847	\$462
50	6	\$4,650	\$775
75	4	\$5,311	\$1,328
100	24	\$47,231	\$1,968
150	66	\$171,620	\$2,600
200	34	\$121,029	\$3,560
300	27	\$236,148	\$8,746
500	25	\$289,540	\$11,582
750	9	\$151,001	\$16,778
1000	6	\$176,248	\$29,375
1250	2	\$104,531	\$52,265
1500	2	\$45,744	\$22,872
2000	3	\$270,444	\$90,148
2250	1	\$55,167	\$55,167
2500	1	\$45,515	\$45,515

Consumer Capacity kVA	Number of Connections	Line Charge Revenue per Consumer Group	Average Line Charge
3000	2	\$141,704	\$70,852
3500	1	\$14,861	\$14,861
4500	1	\$320	\$320
5000	1	\$193,518	\$193,518
10000	1	\$381,174	\$381,174
22000	1	\$1,031,939	\$1,031,939

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
TPC Urban				
Domestic				
Small Domestic (8kVA 1 Phase) - All Peak	UD08P	62	\$64	\$3,974
Small Domestic (8kVA 1 Phase) - With Off Peak	UD08Q	296	\$53	\$15,830
Standard Domestic (20kVA 1 Phase) - All Peak	UD20P	1,104	\$160	\$176,887
Standard Domestic (20kVA 1 Phase) - With Off Peak	UD20Q	10,926	\$134	\$1,460,787
10% Fixed Charge Option - All Peak	UDL20P	413	\$131	\$53,991
10% Fixed Charge Option - With Off Peak	UDL20Q	2,569	\$110	\$281,911
10% Fixed Charge Option (8kVA 1 Phase) - All Peak	UDL08P	18	\$58	\$1,039
10% Fixed Charge Option (8kVA 1 Phase) - With Off Peak	UDL08Q	75	\$51	\$3,831
Non-Domestic Single Phase				
Street Lights (1 Phase)	US001L	3,143	\$14	\$45,028
1 kVA 1 Phase - All Peak	US001P	42	\$96	\$4,043
8 kVA 1 Phase - All Peak	US008P	181	\$64	\$11,600
8 kVA 1 Phase - With Off Peak	US008Q	20	\$53	\$1,070
20 kVA 1 Phase - All Peak	US020P	389	\$160	\$62,327
20 kVA 1 Phase - With Off Peak	US020Q	132	\$134	\$17,648
Non-Domestic Three Phase				
15 kVA 3 Phase - All Peak	UT015P	82	\$120	\$9,854
15 kVA 3 Phase - With Off Peak	UT015Q	9	\$100	\$902

Consumer Capacity	Code	Number of Connections	Transpower Charge	Transpower Revenue per Consumer Group
30 kVA 3 Phase - All Peak	UT030P	588	\$255	\$149,675
30 kVA 3 Phase - With Off Peak	UT030Q	109	\$213	\$23,235
50 kVA 3 Phase - All Peak	UT050P	299	\$615	\$183,869
50 kVA 3 Phase - With Off Peak	UT050Q	93	\$514	\$47,783
75 kVA 3 Phase - All Peak	UT075P	96	\$1,120	\$107,500
75 kVA 3 Phase - With Off Peak	UT075Q	23	\$938	\$21,568
100 kVA 3 Phase - All Peak	UT100P	11	\$1,851	\$20,363
100 kVA 3 Phase - With Off Peak	UT100Q	2	\$1,550	\$3,100
TPC Rural				
Domestic				
Small Domestic (8kVA 1 Phase) - All Peak	RD08P	103	\$64	\$6,601
Small Domestic (8kVA 1 Phase) - With Off Peak	RD08Q	146	\$53	\$7,808
Standard Domestic (20kVA 1 Phase) - All Peak	RD20P	1,164	\$160	\$186,500
Standard Domestic (20kVA 1 Phase) - With Off Peak	RD20Q	6,842	\$134	\$914,763
10% Fixed Charge Option - All Peak	RDL20P	238	\$131	\$31,114
10% Fixed Charge Option - With Off Peak	RDL20Q	756	\$110	\$82,960
10% Fixed Charge Option (8kVA 1 Phase) - All Peak	RDL08P	16	\$58	\$923
10% Fixed Charge Option (8kVA 1 Phase) - With Off Peak	RDL08Q	9	\$51	\$460
Non-Domestic Single Phase				
Street Lights (1 Phase)	RS001L	517	\$14	\$7,407
1 kVA 1 Phase - All Peak	RS001P	134	\$96	\$12,899
8 kVA 1 Phase - All Peak	RS008P	911	\$64	\$58,385
8 kVA 1 Phase - With Off Peak	RS008Q	24	\$53	\$1,284

Consumer Capacity	Code	Number of Connections	Transpower Charge	Transpower Revenue per Consumer Group
20 kVA 1 Phase - All Peak	RS020P	2,029	\$160	\$325,093
20 kVA 1 Phase - With Off Peak	RS020Q	215	\$134	\$28,745
Non-Domestic Three Phase				
15 kVA 3 Phase - All Peak	RT015P	247	\$120	\$29,681
15 kVA 3 Phase - With Off Peak	RT015Q	11	\$100	\$1,103
30 kVA 3 Phase - All Peak	RT030P	2,249	\$255	\$572,480
30 kVA 3 Phase - With Off Peak	RT030Q	329	\$213	\$70,133
50 kVA 3 Phase - All Peak	RT050P	413	\$615	\$253,973
50 kVA 3 Phase - With Off Peak	RT050Q	604	\$514	\$310,332
75 kVA 3 Phase - All Peak	RT075P	62	\$1,120	\$69,427
75 kVA 3 Phase - With Off Peak	RT075Q	21	\$938	\$19,693
100 kVA 3 Phase - All Peak	RT100P	20	\$1,851	\$37,023
100 kVA 3 Phase - With Off Peak	RT100Q	7	\$1,550	\$10,852

3. SUBTRANSMISSION CHARGES

Sub transmission charges are based on the sub transmission costs (66kV and 33kV network) and the zone substation costs.

There are two components making up the sub transmission charges:

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

3.1 Supply Charge

The sub transmission network was broken up into its constituent components including every line and every zone substation. These components were categorised, i.e. 66,000 and 33,000V, indoor and outdoor, size, number of transformers, circuit breakers, length of line etc.

Values for these sub transmission network components were based on the replacement value costs. These values were then amended by the ratio of the overall replacement cost to the asset value of the network. The appropriate share of the supply charge was allocated to each zone substation on this basis.

The share of the sub transmission lines by each zone substation was determined using the superposition theorem and calculating load flows through the interconnected mesh network.

The total supply charge for all the TPCL zone substations is \$11,899,990.

The supply charge for TPCL is allocated across all customers connected to each zone substation on the following basis:

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

3.2 Maintenance Charge

The sub transmission maintenance charges for TPC total \$1,973,375

These maintenance charges 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 2:1. 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 component, i.e. 50% of the cost.

3.3 Total Sub transmission Charges

The total sub transmission charges allocated to each zone substation are shown in the following table.

Zone Substation	Total Supply Charge	Total Maintenance Charge
Awarua	\$209,262	\$35,438
Bluff	\$441,245	\$67,931
Centre Bush	\$266,685	\$45,163
Conical Hills	\$428,542	\$51,838
Dipton	\$170,605	\$28,892
Edendale	\$222,626	\$37,701
Glenham	\$146,824	\$24,864
Gorge Road	\$169,939	\$28,779
Hillside	\$437,445	\$74,081
Kelso	\$300,261	\$50,849
Kennington	\$129,296	\$21,896
Lumsden	\$438,207	\$74,210
Makarewa	\$265,098	\$44,894
Manapouri	\$0	\$0
Mataura	\$317,642	\$53,792
Monowai	\$345,404	\$58,494
Mossburn	\$467,569	\$60,909
NZMP	\$270,993	\$39,515
North Gore	\$252,598	\$42,777
Ohai	\$518,796	\$92,481
Orawia	\$572,147	\$101,992
Otatara	\$182,492	\$30,905
Otautau	\$583,416	\$98,801
Pullar	\$496,040	\$84,003
Riversdale	\$404,203	\$68,451
Riverton	\$505,515	\$85,608
Seaward Bush	\$332,691	\$56,341
South Gore	\$235,244	\$39,838
Te Anau	\$1,112,545	\$188,408
Tokanui	\$212,481	\$35,983
Underwood	\$523,614	\$88,673
Waikiwi	\$323,588	\$54,799
Waikaka	\$0	\$0
Winton	\$588,688	\$99,693
ICC46	\$28,287	\$5,377

3.4 Sub transmission Charges for Individual Customers above 100 kVA

The sub transmission charges relating to each zone substation are shown in the following table.

Zone Substation	Supply Charge per kVA Winter Peak Demand	Supply Charge per Winter Peak MWh	Supply Charge per Winter Day MWh	Maintenance Charge per Domestic Total MWh	Maintenance Charge per Commercial Total MWh	Maintenance Charge per kVA Winter Peak Demand
Awarua	\$41.19	\$46.63	\$18.37	\$0.73	\$1.46	\$4.98
Bluff	\$65.94	\$29.20	\$8.98	\$1.05	\$2.10	\$7.25
Centre Bush	\$77.77	\$45.79	\$15.21	\$1.96	\$3.91	\$9.41
Conical Hills	\$65.79	\$43.45	\$14.60	\$1.81	\$3.61	\$5.68
Dipton	\$108.01	\$99.86	\$30.82	\$4.15	\$8.30	\$13.07
Edendale	\$28.29	\$16.48	\$5.48	\$0.54	\$1.08	\$3.42
Glenham	\$80.44	\$55.47	\$18.65	\$2.74	\$5.49	\$9.73
Gorge Road	\$79.87	\$49.36	\$16.47	\$2.11	\$4.22	\$9.66
Hillside	\$401.53	\$216.60	\$70.71	\$10.20	\$20.39	\$48.57
Kelso	\$55.79	\$26.14	\$8.82	\$1.20	\$2.41	\$6.75
Kennington	\$24.56	\$13.11	\$5.42	\$0.42	\$0.84	\$2.97
Lumsden	\$111.74	\$54.66	\$17.79	\$2.25	\$4.51	\$13.52
Makarewa	\$37.77	\$19.45	\$6.47	\$0.63	\$1.26	\$4.57
Manapouri	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00
Mataura	\$28.55	\$21.84	\$7.46	\$0.52	\$1.04	\$3.45
Monowai	\$1,179.06	\$594.09	\$192.18	\$27.53	\$55.06	\$142.62
Mossburn	\$212.48	\$128.40	\$42.52	\$3.98	\$7.96	\$19.77
NZMP	\$12.03	\$10.18	\$6.34	\$0.15	\$0.29	\$1.25
North Gore	\$24.19	\$9.57	\$3.16	\$0.42	\$0.85	\$2.93
Ohai	\$191.29	\$81.06	\$26.63	\$3.89	\$7.79	\$24.36
Orawia	\$158.08	\$77.74	\$26.32	\$3.78	\$7.56	\$20.13
Otatara	\$39.89	\$17.64	\$6.14	\$1.01	\$2.01	\$4.82
Otautau	\$94.90	\$46.37	\$15.92	\$2.20	\$4.40	\$11.48
White Hill	\$612.39	\$2,559.54	\$512.31	\$30.52	\$61.05	\$74.08
Riversdale	\$77.75	\$40.83	\$13.45	\$1.71	\$3.43	\$9.40
Riverton	\$86.86	\$35.50	\$11.78	\$1.68	\$3.35	\$10.51
Seaward Bush	\$27.71	\$11.05	\$3.52	\$0.44	\$0.87	\$3.35
South Gore	\$20.46	\$9.52	\$3.14	\$0.37	\$0.75	\$2.47
Te Anau	\$152.81	\$64.44	\$20.80	\$2.58	\$5.16	\$18.48
Tokanui	\$171.64	\$110.23	\$33.79	\$5.22	\$10.44	\$20.76
Underwood	\$20.69	\$20.58	\$6.85	\$0.45	\$0.90	\$2.50
Waikiwi	\$21.61	\$8.32	\$2.83	\$0.38	\$0.76	\$2.61
Waikaka	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00
Winton	\$40.94	\$18.71	\$6.06	\$0.72	\$1.44	\$4.95

3.5 Sub transmission 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:

	Supply Charge per kVA Winter Peak Demand	Supply Charge per Winter Peak MWh	Supply Charge per Winter Day MWh	Maintenance Charge per Domestic Total MWh	Maintenance Charge Per Commercial Total MWh	Maintenance Charge per kVA Winter Peak Demand
Group Consumers	\$57.08	\$30.25	\$10.52	\$1.08	\$2.17	\$5.76

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.

All individual customers have location based distribution charges. These customers pay their distribution charges based on four factors - the radial distance from the zone substation, the contract capacity of the installation and the number and size of transformers used to supply them.

The group customers have non locational distribution charges. For these customers the costs of the distribution network are averaged. These customers are identified as belonging to one of two groups, Urban and Rural.

The urban customers are located in the following areas:

- (a) Invercargill
- (b) Gore
- (c) Te Anau
- (d) Winton
- (e) Maitua
- (f) Riverton
- (g) Otautau
- (h) Tuatapere
- (i) Ohai
- (j) Nightcaps
- (k) Mossburn
- (l) Lumsden
- (m) Riversdale
- (n) Manapouri
- (o) Tapanui
- (p) Edendale
- (q) Wyndham
- (r) Wallacetown
- (s) Otatara

The remaining customers are classified as rural.

There are three components making up the distribution charges

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

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.

The total supply charge for TPCL totals \$19,412,121.

The non locational supply charges are allocated across customers on the following basis:

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

4.2 Maintenance Charge

The maintenance charges for TPCL total \$3,302,628.

The maintenance portion of the non-locational distribution charges is allocated across customers on the following basis:

Total Energy	50%
Contract Capacity	50%

4.3 Transformer Charge

The supply and maintenance transformer charges for TPCL total \$6,099,962.

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

Number of transformers and transformer capacity 100%.

4.4 Locational Individual Distribution Charges

(a)	Distribution Supply charge	\$2.51 per kVA km Urban
(b)	Distribution Supply charge	\$0.55 per kVA km Rural
(c)	Distribution Transformer charge	\$409 per Transformer
(d)	Distribution Maintenance charge	\$1,313 per km Urban
(e)	Distribution Maintenance charge	\$543 per km Rural
(f)	Distribution Transformer charge	\$550 per Transformer for capacity >=75kVA
(g)	Distribution Transformer charge	\$34 per Transformer for capacity <75kVA

The Transformer charge of \$409 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

In calculating the distribution maintenance charges an allowance is made for the fact that customers above 150kVA have 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 line portion of the distribution maintenance charges is multiplied by a factor of 70%.

Individual commercial customers incur a weighting on the transformer portion of the maintenance charge of 5:1. This reflects the importance of the maintenance to the network for commercial customers.

4.4 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:

TPC Urban

(a)	Distribution Supply charge	\$11.76 per kVA Contract Capacity
(b)	Distribution Supply charge	\$29.28 per Winter Peak MWh
(c)	Distribution Supply charge	\$9.55 per Winter Day MWh
(d)	Distribution Maintenance charge	\$0.72 per Domestic Total MWh
(e)	Distribution Maintenance charge	\$1.44 per Commercial Total MWh
(f)	Distribution Maintenance charge	\$0.75 per kVA Contract Capacity
(g)	Distribution Transformer charge	\$15.02 per kVA AD Transformer capacity

TPC Rural

(a)	Distribution Supply charge	\$67.24 per kVA Contract Capacity
(b)	Distribution Supply charge	\$114.83 per Winter Peak MWh
(c)	Distribution Supply charge	\$40.01 per Winter Day MWh
(d)	Distribution Maintenance charge	\$5.00 per Domestic Total MWh
(e)	Distribution Maintenance charge	\$9.99 per Commercial Total MWh
(f)	Distribution Maintenance charge	\$8.46 per kVA Contract Capacity
(g)	Distribution Transformer charge	\$15.02 per kVA AD Transformer capacity

The model applies an 8% discount for rural single phase group customers and a 10% discount for urban 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.

With respect to the maintenance charges for group customers the commercial customers incur a weighting to domestic customers of 2:1. This represents a higher level of importance for commercial customers of the maintenance to the network. This weighted ratio only applies to the total energy component i.e. 50% of the charge.

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 \$2,003,459

The charge per customer is \$58.65

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	Sub transmission Charge	Distribution Charge	PowerNet Overhead Charge	Total PowerNet Charge
30	\$2,331.07	\$6,120.06	\$234.58	\$8,685.72
50	\$5,620.18	\$5,916.94	\$351.87	\$11,889.00
75	\$9,202.25	\$5,026.12	\$234.58	\$14,462.95
100	\$63,295.07	\$53,413.49	\$1,407.49	\$118,116.05
150	\$209,551.76	\$178,744.76	\$3,870.60	\$392,167.12
200	\$215,467.03	\$100,106.89	\$1,993.95	\$317,567.86
300	\$207,835.60	\$94,382.55	\$1,583.43	\$303,801.58
500	\$1,399,217.21	\$108,212.41	\$1,466.14	\$1,508,895.76
750	\$181,979.94	\$38,277.87	\$527.81	\$220,785.62
1000	\$147,395.52	\$44,696.21	\$351.87	\$192,443.60
1250	\$62,163.57	\$13,779.76	\$117.29	\$76,060.62
1500	\$53,373.90	\$573.20	\$117.29	\$54,064.40
2000	\$247,449.05	\$28,026.45	\$175.94	\$275,651.44
2250	\$34,085.43	\$19,275.28	\$58.65	\$53,419.36
2500	\$25,531.69	\$11.23	\$58.65	\$25,601.56
3000	\$179,387.39	\$23,987.36	\$117.29	\$203,492.04
3500	\$7,500.14	\$752.48	\$58.65	\$8,311.27
4500	\$1,025.94	\$1,238.04	\$58.65	\$2,322.62
5000	\$238,937.25	\$2,062.33	\$58.65	\$241,058.22
10000	\$391,500.15	\$3,406.12	\$58.65	\$394,964.92
22000	\$333,663.87	\$2.00	\$58.65	\$333,724.52

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
TPC Urban						
Domestic						
Small Domestic (8kVA 1 Phase) - All Peak	UD08P	62	\$6,178.14	\$14,614.00	\$3,636.02	\$24,428.16
Small Domestic (8kVA 1 Phase) - With Off Peak	UD08Q	296	\$25,112.91	\$47,188.59	\$17,359.07	\$89,660.57
Standard Domestic (20kVA 1 Phase) - All Peak	UD20P	1,104	\$275,026.98	\$546,860.31	\$64,744.62	\$886,631.91
Standard Domestic (20kVA 1 Phase) - With Off Peak	UD20Q	10,926	\$2,317,429.67	\$4,233,781.64	\$640,760.64	\$7,191,971.95
10% Fixed Charge Option - All Peak	UDL20P	413	\$87,119.02	\$44,673.97	\$24,220.59	\$156,013.58
10% Fixed Charge Option - With Off Peak	UDL20Q	2,569	\$461,124.98	\$201,730.49	\$150,660.27	\$813,515.73
10% Fixed Charge Option (8kVA 1 Phase) - All Peak	UDL08P	18	\$1,670.56	\$1,466.37	\$1,055.62	\$4,192.55
10% Fixed Charge Option (8kVA 1 Phase) - With Off Peak	UDL08Q	75	\$6,118.52	\$2,276.14	\$4,398.41	\$12,793.07
Non-Domestic Single Phase						
Street Lights (1 Phase)	US001L	3,143	\$73,955.48	\$115,998.46	\$3,686.46	\$193,640.40
1 kVA 1 Phase - All Peak	US001P	42	\$6,347.50	\$13,751.82	\$2,463.11	\$22,562.43
8 kVA 1 Phase - All Peak	US008P	181	\$18,036.19	\$42,663.44	\$10,614.83	\$71,314.46
8 kVA 1 Phase - With Off Peak	US008Q	20	\$1,696.82	\$3,188.42	\$1,172.91	\$6,058.15
20 kVA 1 Phase - All Peak	US020P	389	\$96,907.15	\$192,689.00	\$22,813.10	\$312,409.25
20 kVA 1 Phase - With Off Peak	US020Q	132	\$27,997.50	\$51,149.48	\$7,741.20	\$86,888.18
Non-Domestic Three Phase						
15 kVA 3 Phase - All Peak	UT015P	82	\$16,030.89	\$31,553.34	\$4,808.93	\$52,393.16
15 kVA 3 Phase - With Off Peak	UT015Q	9	\$1,509.63	\$2,500.56	\$527.81	\$4,538.00
30 kVA 3 Phase - All Peak	UT030P	588	\$246,727.99	\$329,197.76	\$34,483.55	\$610,409.30

Consumer Capacity	Code	Number of Connections	Sub transmission Charge	Distribution Charge	PowerNet Overheads	Total PowerNet Revenue
30 kVA 3 Phase - With Off Peak	UT030Q	109	\$39,167.87	\$44,260.63	\$6,392.36	\$89,820.86
50 kVA 3 Phase - All Peak	UT050P	299	\$300,539.92	\$426,440.95	\$17,535.00	\$744,515.87
50 kVA 3 Phase - With Off Peak	UT050Q	93	\$80,150.03	\$105,928.91	\$5,454.03	\$191,532.97
75 kVA 3 Phase - All Peak	UT075P	96	\$177,205.71	\$288,445.67	\$5,629.97	\$471,281.35
75 kVA 3 Phase - With Off Peak	UT075Q	23	\$36,357.72	\$51,300.54	\$1,348.85	\$89,007.11
100 kVA 3 Phase - All Peak	UT100P	11	\$33,566.19	\$62,134.51	\$645.10	\$96,345.79
100 kVA 3 Phase - With Off Peak	UT100Q	2	\$5,226.39	\$8,564.17	\$117.29	\$13,907.84
TPC Rural						
Domestic						
Small Domestic (8kVA 1 Phase) - All Peak	RD08P	103	\$10,263.69	\$27,680.44	\$6,040.49	\$43,984.61
Small Domestic (8kVA 1 Phase) - With Off Peak	RD08Q	146	\$12,386.77	\$27,416.09	\$8,562.24	\$48,365.10
Standard Domestic (20kVA 1 Phase) - All Peak	RD20P	1,164	\$289,974.10	\$659,003.82	\$68,263.35	\$1,017,241.27
Standard Domestic (20kVA 1 Phase) - With Off Peak	RD20Q	6,842	\$1,451,203.90	\$2,941,437.59	\$401,252.45	\$4,793,893.94
10% Fixed Charge Option - All Peak	RDL20P	238	\$50,204.18	\$25,744.32	\$13,957.63	\$89,906.13
10% Fixed Charge Option - With Off Peak	RDL20Q	756	\$135,698.90	\$73,161.83	\$44,335.99	\$253,196.73
10% Fixed Charge Option (8kVA 1 Phase) - All Peak	RDL08P	16	\$1,484.94	\$1,303.44	\$938.33	\$3,726.71
10% Fixed Charge Option (8kVA 1 Phase) - With Off Peak	RDL08Q	9	\$734.22	\$437.39	\$527.81	\$1,699.42
Non-Domestic Single Phase						
Street Lights (1 Phase)	RS001L	517	\$12,165.12	\$21,515.17	\$606.39	\$34,286.69
1 kVA 1 Phase - All Peak	RS001P	134	\$20,251.53	\$43,874.85	\$7,858.50	\$71,984.88
8 kVA 1 Phase - All Peak	RS008P	911	\$90,778.83	\$244,824.05	\$53,426.04	\$389,028.93
8 kVA 1 Phase - With Off Peak	RS008Q	24	\$2,036.18	\$4,506.75	\$1,407.49	\$7,950.43
20 kVA 1 Phase - All Peak	RS020P	2,029	\$505,461.72	\$1,148,727.45	\$118,991.70	\$1,773,180.87
20 kVA 1 Phase - With Off Peak	RS020Q	215	\$45,601.99	\$92,430.44	\$12,608.78	\$150,641.22

Consumer Capacity	Code	Number of Connections	Sub transmission Charge	Distribution Charge	PowerNet Overheads	Total PowerNet Revenue
Non-Domestic Three Phase						
15 kVA 3 Phase - All Peak	RT015P	247	\$48,288.18	\$107,873.86	\$14,485.44	\$170,647.47
15 kVA 3 Phase - With Off Peak	RT015Q	11	\$1,845.10	\$3,523.99	\$645.10	\$6,014.19
30 kVA 3 Phase - All Peak	RT030P	2,249	\$943,692.60	\$1,471,406.31	\$131,893.71	\$2,546,992.61
30 kVA 3 Phase - With Off Peak	RT030Q	329	\$118,222.28	\$156,878.50	\$19,294.37	\$294,395.15
50 kVA 3 Phase - All Peak	RT050P	413	\$415,127.04	\$668,985.63	\$24,220.59	\$1,108,333.26
50 kVA 3 Phase - With Off Peak	RT050Q	604	\$520,544.29	\$770,640.89	\$35,421.88	\$1,326,607.06
75 kVA 3 Phase - All Peak	RT075P	62	\$114,445.36	\$226,383.66	\$3,636.02	\$344,465.04
75 kVA 3 Phase - With Off Peak	RT075Q	21	\$33,196.18	\$55,959.44	\$1,231.56	\$90,387.18
100 kVA 3 Phase - All Peak	RT100P	20	\$61,029.43	\$137,047.96	\$1,172.91	\$199,250.30
100 kVA 3 Phase - With Off Peak	RT100Q	7	\$18,292.36	\$35,790.27	\$410.52	\$54,493.15

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 \$74.67 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 \$74.67. This method of calculating the fixed charge accounts for the fact that some installations have negative fixed charges.

The Variable Charge of \$74.67 per MWh of daytime sales equates to \$65.01 per MWh of daytime purchases at the grid exit point.

For rural group customers with capacities less than 75kVA the fixed line charge is capped at 15% higher than the equivalent urban charge, for capacities greater than or equal to 75kVA the cap is set at 20%.

9.2 Line Charge Revenue for Individual Customers

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

Consumer Capacity kVA	Number of Connections	Line Charge Revenue per Consumer Group	Average Line Charge
30	4	\$10,533	\$2,633
50	6	\$16,539	\$2,757
75	4	\$19,774	\$4,943
100	24	\$165,347	\$6,889
150	66	\$563,787	\$8,542
200	34	\$438,597	\$12,900
300	27	\$539,950	\$19,998
500	25	\$1,798,435	\$71,937
750	9	\$371,787	\$41,310
1000	6	\$368,691	\$61,449
1250	2	\$180,591	\$90,296
1500	2	\$99,809	\$49,904
2000	3	\$546,096	\$182,032
2250	1	\$108,587	\$108,587
2500	1	\$71,117	\$71,117
3000	2	\$433,536	\$216,768
3500	1	\$23,172	\$23,172
4500	1	\$2,643	\$2,643
5000	1	\$434,576	\$434,576
10000	1	\$776,139	\$776,139
22000	1	\$1,365,664	\$1,365,664

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 Purchases	Line Charge Revenue per Consumer Group
TPC Urban					
Domestic					
Small Domestic (8kVA 1 Phase) - All Peak	UD08P	62	\$0.71	\$65.01	\$28,402
Small Domestic (8kVA 1 Phase) - With Off Peak	UD08Q	296	\$0.47	\$65.01	\$105,490
Standard Domestic (20kVA 1 Phase) - All Peak	UD20P	1,104	\$1.28	\$65.01	\$1,063,518
Standard Domestic (20kVA 1 Phase) - With Off Peak	UD20Q	10,926	\$0.89	\$65.01	\$8,652,759
10% Fixed Charge Option - All Peak	UDL20P	413	\$0.15	\$107.05	\$210,005
10% Fixed Charge Option - With Off Peak	UDL20Q	2,569	\$0.00	\$107.05	\$1,095,427
10% Fixed Charge Option (8kVA 1 Phase) - All Peak	UDL08P	18	\$0.15	\$86.95	\$5,231
10% Fixed Charge Option (8kVA 1 Phase) - With Off Peak	UDL08Q	75	\$0.00	\$86.95	\$16,624
Non-Domestic Single Phase					
Street Lights (1 Phase)	US001L	3,143	\$0.10	\$65.01	\$238,668
1 kVA 1 Phase - All Peak	US001P	42	\$0.50	\$65.01	\$26,606
8 kVA 1 Phase - All Peak	US008P	181	\$0.71	\$65.01	\$82,915
8 kVA 1 Phase - With Off Peak	US008Q	20	\$0.47	\$65.01	\$7,128
20 kVA 1 Phase - All Peak	US020P	389	\$1.28	\$65.01	\$374,736
20 kVA 1 Phase - With Off Peak	US020Q	132	\$0.89	\$65.01	\$104,536
Non-Domestic Three Phase					
15 kVA 3 Phase - All Peak	UT015P	82	\$1.06	\$65.01	\$62,246.89
15 kVA 3 Phase - With Off Peak	UT015Q	9	\$0.70	\$65.01	\$5,440.46
30 kVA 3 Phase - All Peak	UT030P	588	\$1.80	\$65.01	\$760,083.96
30 kVA 3 Phase - With Off Peak	UT030Q	109	\$1.20	\$65.01	\$113,056.28

Consumer Capacity	Code	Number of Connections	Fixed Charge per Day	Variable Charge per Day MWh Purchases	Line Charge Revenue per Consumer Group
50 kVA 3 Phase - All Peak	UT050P	299	\$3.65	\$65.01	\$928,385.03
50 kVA 3 Phase - With Off Peak	UT050Q	93	\$2.48	\$65.01	\$239,315.87
75 kVA 3 Phase - All Peak	UT075P	96	\$8.85	\$65.01	\$578,781.13
75 kVA 3 Phase - With Off Peak	UT075Q	23	\$5.96	\$65.01	\$110,575.48
100 kVA 3 Phase - All Peak	UT100P	11	\$16.39	\$65.01	\$116,708.33
100 kVA 3 Phase - With Off Peak	UT100Q	2	\$11.38	\$65.01	\$17,008.28
TPC Rural					
Domestic					
Small Domestic (8kVA 1 Phase) - All Peak	RD08P	103	\$0.80	\$65.01	\$50,585.81
Small Domestic (8kVA 1 Phase) - With Off Peak	RD08Q	146	\$0.54	\$65.01	\$56,173.08
Standard Domestic (20kVA 1 Phase) - All Peak	RD20P	1,164	\$1.47	\$65.01	\$1,203,741.22
Standard Domestic (20kVA 1 Phase) - With Off Peak	RD20Q	6,842	\$1.01	\$65.01	\$5,708,657.37
10% Fixed Charge Option - All Peak	RDL20P	238	\$0.15	\$107.05	\$121,019.70
10% Fixed Charge Option - With Off Peak	RDL20Q	756	\$0.05	\$107.05	\$336,156.90
10% Fixed Charge Option (8kVA 1 Phase) - All Peak	RDL08P	16	\$0.15	\$86.95	\$4,649.86
10% Fixed Charge Option (8kVA 1 Phase) - With Off Peak	RDL08Q	9	\$0.05	\$86.95	\$2,159.17
Non-Domestic Single Phase					
Street Lights (1 Phase)	RS001L	517	\$0.12	\$65.01	\$41,693.46
1 kVA 1 Phase - All Peak	RS001P	134	\$0.50	\$65.01	\$84,884.27
8 kVA 1 Phase - All Peak	RS008P	911	\$0.80	\$65.01	\$447,414.31
8 kVA 1 Phase - With Off Peak	RS008Q	24	\$0.54	\$65.01	\$9,233.93
20 kVA 1 Phase - All Peak	RS020P	2,029	\$1.47	\$65.01	\$2,098,273.99
20 kVA 1 Phase - With Off Peak	RS020Q	215	\$1.01	\$65.01	\$179,386.34

Consumer Capacity	Code	Number of Connections	Fixed Charge per Day	Variable Charge per Day MWh Purchases	Line Charge Revenue per Consumer Group
Non-Domestic Three Phase					
15 kVA 3 Phase - All Peak	RT015P	247	\$1.20	\$65.01	\$200,328.84
15 kVA 3 Phase - With Off Peak	RT015Q	11	\$0.81	\$65.01	\$7,117.20
30 kVA 3 Phase - All Peak	RT030P	2,249	\$2.06	\$65.01	\$3,119,472.75
30 kVA 3 Phase - With Off Peak	RT030Q	329	\$1.40	\$65.01	\$364,527.75
50 kVA 3 Phase - All Peak	RT050P	413	\$4.18	\$65.01	\$1,362,306.38
50 kVA 3 Phase - With Off Peak	RT050Q	604	\$2.86	\$65.01	\$1,636,939.02
75 kVA 3 Phase - All Peak	RT075P	62	\$10.62	\$65.01	\$413,891.98
75 kVA 3 Phase - With Off Peak	RT075Q	21	\$7.15	\$65.01	\$110,080.03
100 kVA 3 Phase - All Peak	RT100P	20	\$19.68	\$65.01	\$236,273.09
100 kVA 3 Phase - With Off Peak	RT100Q	7	\$13.66	\$65.01	\$65,344.66

10. LINE CHARGE TABLES

10.1 Line Charge Breakdown for Individual Customers

ICP Number	Contract Capacity kVA	Trans Power Charge	Sub transmission Charge	Distribution Charge	PowerNet Charge	Total Line Line Charge	Fixed Charge per annum	Variable Charge per Day MWh
396517TP-0FD	50	\$324	\$493	\$2,028	\$59	\$2,904.00	\$1,028.64	\$65.01
800105TP-315	10000	\$381,174	\$391,500	\$3,406	\$59	\$776,138.97	\$388,069.49	\$13.21
800116TP-578	3000	\$97,740	\$64,367	\$744	\$59	\$162,908.59	\$81,454.29	\$4.19
800117TP-93D	750	\$38,834	\$24,498	\$186	\$59	\$63,576.43	\$31,788.22	\$17.56
800134TP-8A8	5000	\$193,518	\$238,937	\$2,062	\$59	\$434,576.37	\$217,288.19	\$17.43
8001365TP-9E5	750	\$24,929	\$20,242	\$268	\$59	\$45,497.62	\$22,748.81	\$13.16
800127TP-EC5	300	\$1,891	\$2,447	\$2,941	\$59	\$7,337.59	\$3,668.80	\$32.76
800139TP-7F3	300	\$7,758	\$5,737	\$2,758	\$59	\$16,312.75	\$8,156.37	\$22.41
800107TP-390	200	\$5,757	\$4,123	\$2,951	\$59	\$12,889.64	\$6,444.82	\$13.40
800118TP-6E3	150	\$2,319	\$2,710	\$2,455	\$59	\$7,542.89	\$6,497.21	\$65.01
800128TP-11B	100	\$1,622	\$2,711	\$2,437	\$59	\$6,828.96	\$4,434.31	\$65.01
8001275TP-A4C	75	\$1,460	\$2,399	\$1,883	\$59	\$5,800.88	(\$675.00)	\$65.01
118447TP-ECC	150	\$2,998	\$2,578	\$2,304	\$59	\$7,938.62	\$256.57	\$65.01
800146TP-D70	22000	\$1,031,939	\$333,664	\$2	\$59	\$1,365,663.95	\$1,365,663.95	\$0.00
502013TP-4D1	150	\$1,574	\$771	\$2,438	\$59	\$4,841.26	\$2,014.62	\$65.01
403101TP-231	150	\$4,744	\$19,474	\$1,253	\$59	\$25,530.20	\$25,530.20	\$0.00
382896TP-29B	200	\$141	\$2,506	\$3,062	\$59	\$5,767.80	\$5,767.80	\$0.00
304798TP-4EA	300	\$2,473	\$4,081	\$4,241	\$59	\$10,853.30	\$5,426.65	\$47.60
800186TP-A9F	1250	\$44,801	\$40,213	\$12,410	\$59	\$97,483.49	\$48,741.75	\$25.65
244381TP-3EE	50	\$119	\$322	\$1,938	\$59	\$2,437.26	\$2,437.26	\$0.00
8001708TP-54F	100	\$528	\$868	\$2,871	\$59	\$4,326.21	\$3,642.87	\$65.01

ICP Number	Contract Capacity kVA	Trans Power Charge	Sub transmission Charge	Distribution Charge	PowerNet Charge	Total Line Line Charge	Fixed Charge per annum	Variable Charge per Day MWh
1819183TP-528	150	\$1,669	\$475	\$4,239	\$59	\$6,441.59	\$3,220.79	\$48.80
333040TP-1F2	200	\$157	\$2,997	\$3,447	\$59	\$6,659.26	\$6,659.26	\$0.00
482021TP-8E5	150	\$1,758	\$1,635	\$2,672	\$59	\$6,123.76	\$3,061.88	\$27.58
437081TP-9D3	200	\$4,768	\$3,785	\$2,599	\$59	\$11,210.65	\$5,605.33	\$74.74
643886TP-0F5	200	\$4,083	\$2,891	\$2,690	\$59	\$9,722.34	\$4,861.17	\$75.96
391396TP-B94	150	\$1,608	\$7,463	\$3,541	\$59	\$12,670.34	\$7,501.01	\$65.01
100109TP-F16	100	\$3,886	\$5,154	\$2,903	\$59	\$12,001.03	\$6,000.51	\$41.38
800158TP-446	3500	\$14,861	\$7,500	\$752	\$59	\$23,172.27	\$11,586.14	\$115.86
8001315TP-CB8	2250	\$55,167	\$34,085	\$19,275	\$59	\$108,586.54	\$54,293.27	\$16.41
437074TP-48B	1000	\$2,864	\$1,391	\$8,711	\$59	\$13,024.44	\$6,512.22	\$232.58
437078TP-795	1000	\$11,827	\$26,641	\$10,179	\$59	\$48,705.49	\$24,352.75	\$57.30
4370715TP-029	500	\$8,350	\$14,011	\$5,766	\$59	\$28,185.42	\$14,092.71	\$78.29
800155TP-B1D	300	\$24,924	\$9,399	\$4,870	\$59	\$39,251.82	\$19,625.91	\$11.67
1421365TP-AF8	150	\$5,758	\$2,365	\$3,732	\$59	\$11,913.83	\$11,913.83	\$0.00
8001875TP-046	200	\$74	\$89	\$3,107	\$59	\$3,328.85	\$3,178.96	\$65.01
185015TP-7A4	200	\$1,034	\$795	\$2,949	\$59	\$4,836.07	\$2,418.03	\$44.78
5678995TP-502	200	\$3,496	\$1,915	\$2,426	\$59	\$7,895.33	\$3,947.66	\$14.10
800133TP-562	4500	\$320	\$1,026	\$1,238	\$59	\$2,643.06	\$1,321.53	\$48.95
141326TP-DAF	200	\$5,115	\$6,384	\$3,071	\$59	\$14,628.79	\$7,314.39	\$21.02
800163TP-D6A	300	\$4,804	\$17,193	\$3,749	\$59	\$25,805.48	\$12,902.74	\$50.01
444030TP-F7D	200	\$7,066	\$5,951	\$2,834	\$59	\$15,909.44	\$7,954.72	\$28.61
427512TP-710	150	\$554	\$823	\$2,588	\$59	\$4,024.17	\$2,012.08	\$55.89
549615TP-72D	150	\$2,889	\$1,437	\$2,067	\$59	\$6,451.56	(\$9,680.75)	\$65.01
240526TP-6BD	150	\$2,254	\$1,352	\$4,206	\$59	\$7,870.45	(\$4,865.32)	\$65.01
8001505TP-013	300	\$4,726	\$2,716	\$6,055	\$59	\$13,555.79	(\$12,170.64)	\$65.01

ICP Number	Contract Capacity kVA	Trans Power Charge	Sub transmission Charge	Distribution Charge	PowerNet Charge	Total Line Line Charge	Fixed Charge per annum	Variable Charge per Day MWh
5290993TP-D4F	150	\$1,386	\$712	\$2,159	\$59	\$4,316.65	(\$1,089.90)	\$65.01
221318TP-720	150	\$2,865	\$1,800	\$3,101	\$59	\$7,824.41	\$3,829.41	\$65.01
8001815TP-FB6	1000	\$60,228	\$49,422	\$7,907	\$59	\$117,615.26	\$61,250.63	\$24.00
8001801TP-411	1000	\$44,919	\$45,940	\$7,907	\$59	\$98,824.50	\$49,412.25	\$17.49
800181TP-755	500	\$12,071	\$9,107	\$5,137	\$59	\$26,374.16	\$13,187.08	\$28.24
5552033TP-EA2	3000	\$43,964	\$115,021	\$23,244	\$59	\$270,627.54	\$270,627.54	\$0.00
314914TP-C54	200	\$5,588	\$23,688	\$3,461	\$59	\$32,795.35	\$12,991.22	\$65.01
4004001TP-401	150	\$787	\$3,672	\$2,364	\$59	\$6,882.08	\$2,451.57	\$65.01
5672985TP-1EF	100	\$1,465	\$2,412	\$1,476	\$59	\$5,411.76	\$1,437.98	\$65.01
612680TP-5A5	100	\$1,938	\$1,353	\$3,309	\$59	\$6,658.54	\$3,329.27	\$37.83
3193735TP-319	200	\$270	\$4,029	\$3,107	\$59	\$7,464.49	\$7,464.49	\$0.00
318907TP-1B9	100	\$136	\$1,123	\$2,626	\$59	\$3,943.19	\$3,943.19	\$0.00
141806TP-3F4	150	\$89	\$682	\$2,694	\$59	\$3,523.38	\$3,523.38	\$0.00
313732TP-2E5	200	\$4,087	\$11,019	\$2,900	\$59	\$18,064.94	\$1,161.72	\$65.01
249946TP-9E1	150	\$872	\$1,976	\$2,579	\$59	\$5,486.07	\$2,743.03	\$19.88
249967TP-8F1	100	\$3,682	\$1,889	\$2,503	\$59	\$8,132.66	\$8,132.66	\$0.00
362484TP-9C2	200	\$11,680	\$7,794	\$1,303	\$59	\$20,834.62	\$10,417.31	\$27.71
404955TP-F5E	100	\$1,736	\$2,687	\$1,876	\$59	\$6,358.64	(\$923.26)	\$65.01
405545TP-85F	150	\$2,595	\$10,442	\$2,513	\$59	\$15,608.77	\$7,804.38	\$36.30
405508TP-5A1	200	\$3,910	\$19,334	\$2,846	\$59	\$26,149.05	(\$1,380.66)	\$65.01
405350TP-9BB	150	\$1,752	\$8,867	\$2,303	\$59	\$12,980.37	(\$1,097.31)	\$65.01
800153TP-A92	500	\$8,468	\$3,201	\$7,148	\$59	\$18,876.44	\$9,438.22	\$33.23
8001305TP-615	30	\$746	\$1,166	\$1,955	\$59	\$3,925.62	\$638.72	\$65.01
116195TP-ECE	150	\$4,750	\$2,763	\$3,620	\$59	\$11,192.02	(\$10,766.01)	\$65.01
5791985TP-A1E	150	\$2,923	\$1,701	\$2,326	\$59	\$7,008.50	\$713.25	\$65.01

ICP Number	Contract Capacity kVA	Trans Power Charge	Sub transmission Charge	Distribution Charge	PowerNet Charge	Total Line Line Charge	Fixed Charge per annum	Variable Charge per Day MWh
110146TP-A8C	200	\$3,040	\$2,657	\$3,383	\$59	\$9,139.11	(\$1,550.19)	\$65.01
241126TP-B1C	150	\$4,436	\$2,286	\$3,321	\$59	\$10,102.03	(\$415.91)	\$65.01
166724TP-C86	500	\$21,102	\$9,209	\$3,913	\$59	\$34,282.38	\$17,141.19	\$14.53
690224TP-CD4	150	\$2,031	\$655	\$2,158	\$59	\$4,901.83	\$2,450.92	\$26.64
250351TP-0CD	300	\$6,842	\$3,273	\$4,528	\$59	\$14,702.55	\$7,351.27	\$17.63
177096TP-8F2	150	\$6,520	\$2,795	\$2,551	\$59	\$11,924.24	\$5,962.12	\$22.00
800151TP-A17	100	\$881	\$1,412	\$2,147	\$59	\$4,498.41	(\$2,054.18)	\$65.01
240375TP-473	150	\$5,631	\$2,780	\$2,693	\$59	\$11,162.94	(\$10,794.83)	\$65.01
8001245TP-DB4	500	\$15,446	\$20,411	\$4,825	\$59	\$40,740.54	\$20,370.27	\$81.16
517704TP-375	150	\$2,955	\$1,729	\$2,372	\$59	\$7,114.52	(\$281.90)	\$65.01
637250TP-A0B	750	\$2,793	\$9,612	\$5,988	\$59	\$18,451.56	\$9,225.78	\$26.14
1819179TP-7AE	150	\$5,006	\$1,926	\$4,218	\$59	\$11,208.34	\$5,604.17	\$22.06
625837TP-99A	150	\$3,534	\$3,143	\$2,426	\$59	\$9,161.20	(\$6,120.20)	\$65.01
800114TP-5FD	500	\$15,781	\$12,834	\$674	\$59	\$29,347.44	\$14,673.72	\$13.12
556467TP-973	1000	\$28,352	\$9,686	\$5,113	\$59	\$43,210.64	\$21,605.32	\$18.36
800103TP-29A	300	\$7,628	\$3,276	\$210	\$59	\$11,172.23	\$5,586.11	\$16.05
569640TP-BA7	200	\$2,835	\$2,772	\$402	\$59	\$6,068.26	\$3,034.13	\$38.90
555205TP-2E0	100	\$2,782	\$2,497	\$2,383	\$59	\$7,721.24	\$3,860.62	\$33.57
800130TP-9A2	300	\$20,382	\$6,135	\$2,845	\$59	\$29,420.82	\$14,710.41	\$11.53
568791TP-204	100	\$2,847	\$3,207	\$1,343	\$59	\$7,455.89	\$3,727.94	\$17.92
521003TP-551	75	\$86	\$121	\$1,083	\$59	\$1,348.70	\$674.35	\$337.17
564570TP-57C	50	\$952	\$1,088	\$666	\$59	\$2,764.29	\$1,382.14	\$17.72
5791016TP-030	50	\$1,492	\$1,554	\$635	\$59	\$3,739.10	\$1,869.55	\$17.96
181975TP-7DD	150	\$4,267	\$1,885	\$2,843	\$59	\$9,053.63	\$4,526.82	\$13.63
400440TP-B34	100	\$919	\$1,502	\$1,657	\$59	\$4,137.32	(\$1,767.31)	\$65.01

ICP Number	Contract Capacity kVA	Trans Power Charge	Sub transmission Charge	Distribution Charge	PowerNet Charge	Total Line Line Charge	Fixed Charge per annum	Variable Charge per Day MWh
418284TP-E36	500	\$16,476	\$48,473	\$5,427	\$59	\$70,435.28	\$35,217.64	\$92.19
4182832TP-1BD	200	\$5,081	\$27,549	\$3,123	\$59	\$35,812.37	\$10,296.20	\$65.01
4182836TP-0B7	150	\$3,911	\$20,550	\$2,930	\$59	\$27,449.45	\$14,810.52	\$65.01
5552249TP-369	300	\$15,020	\$4,845	\$3,716	\$59	\$23,639.15	\$11,819.58	\$38.13
530906TP-856	300	\$7,226	\$15,090	\$2,751	\$59	\$25,126.10	\$12,563.05	\$35.59
800164TP-0A0	500	\$10,818	\$38,871	\$5,289	\$59	\$55,036.78	\$27,518.39	\$41.44
405190TP-453	150	\$1,401	\$7,056	\$2,498	\$59	\$11,012.91	(\$1,489.19)	\$65.01
319736TP-DAF	200	\$349	\$4,898	\$3,961	\$59	\$9,266.85	\$9,266.85	\$0.00
180710TP-2C9	150	\$2,777	\$1,582	\$2,438	\$59	\$6,855.18	\$3,718.16	\$65.01
8001695TP-CF7	500	\$18,593	\$12,505	\$3,499	\$59	\$34,655.88	\$17,327.94	\$10.78
800147TP-135	150	\$6,141	\$2,405	\$2,098	\$59	\$10,702.51	\$5,351.26	\$15.65
800150TP-652	100	\$2,407	\$3,676	\$2,440	\$59	\$8,582.20	(\$776.90)	\$65.01
142817TP-7FC	150	\$2,949	\$2,486	\$2,460	\$59	\$7,954.10	\$2,850.87	\$65.01
181750TP-1CC	200	\$8,314	\$2,883	\$3,030	\$59	\$14,285.41	\$7,142.70	\$18.55
589190TP-49A	150	\$3,961	\$2,680	\$2,376	\$59	\$9,075.52	\$4,537.76	\$31.51
116167TP-E5C	150	\$1,556	\$620	\$2,213	\$59	\$4,447.64	\$2,223.82	\$25.56
118468TP-C47	100	\$2,826	\$4,408	\$1,801	\$59	\$9,092.56	(\$5,599.91)	\$65.01
1015827TP-5C5	150	\$2,561	\$3,667	\$2,848	\$59	\$9,135.07	\$1,048.24	\$65.01
190101TP-AC6	150	\$3,107	\$1,917	\$3,078	\$59	\$8,161.07	\$1,723.00	\$65.01
800169TP-FFB	150	\$5,914	\$2,923	\$2,352	\$59	\$11,247.19	\$5,623.59	\$15.75
249945TP-521	150	\$3,252	\$3,254	\$2,659	\$59	\$9,223.65	\$4,611.82	\$28.12
364828TP-B0F	150	\$184	\$333	\$2,933	\$59	\$3,508.47	\$1,754.23	\$109.64
110197TP-B8B	150	\$3,107	\$2,675	\$3,177	\$59	\$9,017.43	(\$689.86)	\$65.01
426599TP-D2E	500	\$13,349	\$9,675	\$5,149	\$59	\$28,232.15	\$14,116.08	\$18.57
192544TP-A6D	300	\$20,421	\$8,646	\$4,398	\$59	\$33,524.22	\$16,762.11	\$14.39

ICP Number	Contract Capacity kVA	Trans Power Charge	Sub transmission Charge	Distribution Charge	PowerNet Charge	Total Line Line Charge	Fixed Charge per annum	Variable Charge per Day MWh
657599TP-EEF	100	\$1,666	\$2,178	\$124	\$59	\$4,026.54	\$4,026.54	\$0.00
192519TP-D3E	150	\$2,108	\$1,292	\$2,962	\$59	\$6,420.93	\$4,775.71	\$65.01
1186119TP-9E7	200	\$7,397	\$6,315	\$2,444	\$59	\$16,215.12	(\$3,461.43)	\$65.01
118615TP-C46	200	\$4,485	\$3,951	\$2,444	\$59	\$10,938.57	(\$6,412.96)	\$65.01
1186118TP-5A2	200	\$5,448	\$2,977	\$2,444	\$59	\$10,927.21	\$5,463.60	\$24.72
543645TP-165	30	\$182	\$281	\$1,863	\$59	\$2,385.17	\$1,339.50	\$65.01
6204408TP-3FB	750	\$34,091	\$14,843	\$4,342	\$59	\$53,334.52	\$26,667.26	\$17.36
6204407TP-C25	500	\$25,751	\$11,118	\$3,624	\$59	\$40,550.77	\$20,275.39	\$18.48
6204405TP-CA0	300	\$11,899	\$4,689	\$2,738	\$59	\$19,384.07	\$9,692.04	\$24.11
6204404TP-0E5	1000	\$28,058	\$14,315	\$4,880	\$59	\$47,310.94	\$23,655.47	\$18.86
8001320TP-60F	300	\$4,692	\$2,606	\$2,738	\$59	\$10,094.59	\$5,047.30	\$27.43
620456TP-103	750	\$13,629	\$7,329	\$4,344	\$59	\$25,360.59	\$12,680.29	\$20.58
204735TP-7C2	100	\$2,913	\$4,487	\$3,635	\$59	\$11,093.90	\$5,546.95	\$47.41
525441TP-DF0	150	\$2,303	\$1,857	\$2,405	\$59	\$6,623.36	\$4,301.88	\$65.01
633604TP-988	200	\$1,996	\$2,020	\$2,580	\$59	\$6,654.57	\$3,327.29	\$25.99
3330513TP-914	150	\$835	\$3,455	\$3,106	\$59	\$7,454.60	\$7,454.60	\$0.00
333049TP-FA3	150	\$367	\$3,086	\$3,032	\$59	\$6,543.14	\$6,543.14	\$0.00
615269TP-92F	300	\$5,617	\$14,977	\$3,731	\$59	\$24,383.18	\$5,930.49	\$65.01
391339TP-C55	50	\$763	\$674	\$3	\$59	\$1,498.77	\$749.39	\$15.61
1819727TP-A3B	100	\$1,148	\$1,846	\$1,714	\$59	\$4,766.73	\$2,383.36	\$24.07
800152TP-6D7	1250	\$59,729	\$21,950	\$1,370	\$59	\$83,107.66	\$41,553.83	\$14.20
800170TP-B07	750	\$21,690	\$80,942	\$4,501	\$59	\$107,191.31	\$53,595.65	\$64.11
182010TP-E8B	100	\$5,751	\$6,848	\$2,455	\$59	\$15,113.82	\$7,556.91	\$26.15
800104TP-F50	500	\$27,690	\$12,438	\$3,897	\$59	\$44,083.13	\$22,041.57	\$12.92
8001045TP-7B3	500	\$19,617	\$6,198	\$3,909	\$59	\$29,782.77	\$14,891.38	\$18.18

ICP Number	Contract Capacity kVA	Trans Power Charge	Sub transmission Charge	Distribution Charge	PowerNet Charge	Total Line Line Charge	Fixed Charge per annum	Variable Charge per Day MWh
5791226TP-DCF	300	\$6,282	\$2,892	\$3,013	\$59	\$12,245.60	\$6,122.80	\$18.67
549325TP-5D0	500	\$6,268	\$3,244	\$4,087	\$59	\$13,657.22	(\$23,545.51)	\$65.01
643847TP-B5F	500	\$3,728	\$2,678	\$4,080	\$59	\$10,544.18	\$5,272.09	\$30.65
6438485TP-221	200	\$989	\$1,320	\$2,584	\$59	\$4,951.95	(\$2,075.06)	\$65.01
6438465TP-89B	500	\$8,063	\$8,720	\$4,080	\$59	\$20,921.94	\$10,460.97	\$21.18
157641TP-7B1	150	\$2,560	\$1,447	\$2,583	\$59	\$6,648.45	\$2,772.61	\$65.01
800132TP-927	100	\$2,648	\$2,693	\$2,955	\$59	\$8,353.63	\$4,176.82	\$22.10
632751TP-46B	150	\$804	\$441	\$2,584	\$59	\$3,888.31	\$1,022.18	\$65.01
800113TP-837	100	\$478	\$805	\$1,620	\$59	\$2,961.82	(\$1,286.97)	\$65.01
331280TP-F5A	150	\$71	\$2,570	\$3,421	\$59	\$6,120.08	\$6,120.08	\$0.00
579184TP-AA1	100	\$1,285	\$2,970	\$1,287	\$59	\$5,600.99	\$2,800.49	\$38.90
568266TP-ADC	500	\$12,711	\$9,071	\$3,890	\$59	\$25,730.97	\$12,865.48	\$15.35
5682737TP-04F	300	\$1,187	\$961	\$2,898	\$59	\$5,104.63	\$2,552.32	\$46.41
5684239TP-311	150	\$1,636	\$840	\$1,931	\$59	\$4,464.92	\$2,232.46	\$26.58
300360TP-C68	75	\$149	\$236	\$797	\$59	\$1,240.30	\$1,090.41	\$65.01
405769TP-C13	200	\$2,083	\$10,370	\$6,886	\$59	\$19,398.18	\$7,442.58	\$65.01
569639TP-0AB	150	\$931	\$713	\$2,167	\$59	\$3,869.49	\$1,934.74	\$37.21
617670TP-292	750	\$9,419	\$14,732	\$7,195	\$59	\$31,404.76	\$15,702.38	\$45.91
112267TP-BDF	150	\$1,490	\$1,274	\$2,487	\$59	\$5,309.37	\$2,126.38	\$65.01
141924TP-720	200	\$1,258	\$3,767	\$3,198	\$59	\$8,281.27	\$4,140.64	\$76.68
192534TP-F30	150	\$2,549	\$938	\$2,587	\$59	\$6,133.15	\$3,066.57	\$22.72
800171TP-742	1500	\$24,066	\$33,045	\$488	\$59	\$57,658.03	\$28,829.01	\$96.10
632798TP-DD5	100	\$2,067	\$5,273	\$2,426	\$59	\$9,824.92	\$4,912.46	\$33.65
634528TP-0A0	30	\$668	\$372	\$1,879	\$59	\$2,977.68	\$1,488.84	\$41.70
5552055TP-0DD	2000	\$76,539	\$141,022	\$0	\$59	\$217,620.16	\$217,620.16	\$0.00

ICP Number	Contract Capacity kVA	Trans Power Charge	Sub transmission Charge	Distribution Charge	PowerNet Charge	Total Line Line Charge	Fixed Charge per annum	Variable Charge per Day MWh
5552049TP-96E	300	\$8,765	\$11,799	\$3,600	\$59	\$24,222.44	\$12,111.22	\$18.66
176630TP-6C4	150	\$2,980	\$1,273	\$2,288	\$59	\$6,599.29	\$3,299.65	\$19.88
186250TP-0A9	750	\$4,474	\$2,593	\$5,636	\$59	\$12,760.86	\$6,380.43	\$38.21
800121TP-F4A	2000	\$95,202	\$59,072	\$5,681	\$59	\$160,013.52	\$80,006.76	\$17.98
482074TP-DA2	200	\$2,403	\$858	\$3,104	\$59	\$6,423.59	\$3,211.80	\$62.98
800125TP-E40	2000	\$98,703	\$47,354	\$22,346	\$59	\$168,462.20	\$84,231.10	\$23.96
8001011TP-EB1	300	\$8,454	\$2,937	\$2,953	\$59	\$14,402.77	\$7,201.39	\$36.74
400495TP-B39	200	\$1,518	\$8,640	\$3,417	\$59	\$13,633.85	\$5,816.06	\$65.01
800120TP-30F	200	\$1,790	\$4,819	\$2,406	\$59	\$9,074.32	\$4,537.16	\$42.01
595728TP-15B	500	\$4,368	\$5,181	\$4,976	\$59	\$14,584.33	\$7,166.69	\$65.01
184621TP-6F0	50	\$1,001	\$1,489	\$648	\$59	\$3,196.00	(\$872.17)	\$65.01
5791154TP-B14	150	\$4,301	\$2,318	\$2,047	\$59	\$8,724.93	(\$6,187.06)	\$65.01
482070TP-CA8	300	\$5,166	\$6,204	\$3,792	\$59	\$15,219.99	\$11,431.47	\$65.01
656382TP-D30	100	\$85	\$125	\$2,396	\$59	\$2,664.11	\$2,514.23	\$65.01
800131TP-5E7	2500	\$45,515	\$25,532	\$11	\$59	\$71,116.62	\$35,558.31	\$20.97
520373TP-2AF	1500	\$21,678	\$20,329	\$85	\$59	\$42,150.70	\$21,075.35	\$39.10
184687TP-F60	150	\$3,559	\$1,853	\$2,266	\$59	\$7,736.81	(\$970.78)	\$65.01
522002TP-BF4	150	\$7,218	\$2,395	\$2,593	\$59	\$12,265.02	\$6,132.51	\$30.97
150931TP-983	500	\$12,450	\$10,697	\$4,508	\$59	\$27,714.10	\$13,857.05	\$48.62
150925TP-224	150	\$5,009	\$4,633	\$2,654	\$59	\$12,354.83	\$6,177.41	\$22.96
3764605TP-D7E	300	\$11,191	\$22,185	\$3,842	\$59	\$37,277.35	\$18,638.67	\$71.69
3330508TP-D6D	300	\$148	\$2,076	\$3,928	\$59	\$6,211.11	\$6,211.11	\$0.00
405386TP-576	150	\$914	\$6,211	\$2,612	\$59	\$9,795.36	\$4,897.68	\$116.61
389997TP-83A	200	\$1,418	\$7,084	\$2,839	\$59	\$11,399.57	\$1,807.89	\$65.01
389990TP-5F0	150	\$877	\$4,742	\$2,542	\$59	\$8,219.00	(\$1,626.48)	\$65.01

ICP Number	Contract Capacity kVA	Trans Power Charge	Sub transmission Charge	Distribution Charge	PowerNet Charge	Total Line Line Charge	Fixed Charge per annum	Variable Charge per Day MWh
389999TP-BA1	300	\$994	\$5,649	\$3,752	\$59	\$10,452.87	\$5,226.43	\$70.63
800167TP-C60	150	\$73	\$318	\$2,551	\$59	\$3,000.11	\$2,850.22	\$65.01
401815TP-3DF	300	\$9,008	\$29,835	\$4,043	\$59	\$42,945.50	\$21,472.75	\$30.07
800161TP-DEF	500	\$7,777	\$17,860	\$5,049	\$59	\$30,744.62	\$15,372.31	\$42.94
8001611TP-8B7	30	\$251	\$512	\$423	\$59	\$1,244.72	(\$1,853.40)	\$65.01
181911TP-927	75	\$3,616	\$6,446	\$1,264	\$59	\$11,383.80	\$5,691.90	\$24.53
235545TP-814	200	\$6,494	\$3,031	\$3,518	\$59	\$13,102.13	\$6,551.07	\$16.22
6375055TP-7DC	500	\$1,599	\$4,855	\$4,888	\$59	\$11,400.80	\$5,700.40	\$19.32
150910TP-893	500	\$1,945	\$5,525	\$4,608	\$59	\$12,136.48	\$6,068.24	\$21.00
150912TP-816	750	\$1,143	\$7,190	\$5,818	\$59	\$14,209.36	\$7,104.68	\$37.20
624649TP-8F7	500	\$602	\$2,104	\$4,377	\$59	\$7,142.12	\$3,571.06	\$14.34
319705TP-697	150	\$184	\$2,981	\$3,096	\$59	\$6,319.45	\$6,319.45	\$0.00
141990TP-498	150	\$2,467	\$5,618	\$3,745	\$59	\$11,888.67	\$11,888.67	\$0.00
800166TP-025	200	\$5,177	\$13,071	\$2,905	\$59	\$21,212.07	\$10,606.03	\$48.65
416731TP-C0E	150	\$1,573	\$8,551	\$2,930	\$59	\$13,112.41	\$4,934.73	\$65.01
624606TP-58C	150	\$2,890	\$1,801	\$2,471	\$59	\$7,221.06	(\$718.33)	\$65.01
333060TP-CA7	150	\$941	\$4,681	\$3,170	\$59	\$8,851.36	\$8,851.36	\$0.00
373002TP-847	200	\$1,726	\$9,188	\$2,683	\$59	\$13,655.84	\$6,528.45	\$65.01
315340TP-EFC	500	\$2,001	\$1,113,910	\$0	\$59	\$1,115,969.09	\$0.00	\$0.00
1164012TP-00A	300	\$6,135	\$3,985	\$2,786	\$59	\$12,964.38	\$6,482.19	\$17.10
424510TP-575	500	\$14,515	\$7,322	\$5,410	\$59	\$27,306.28	\$13,653.14	\$37.30
4245295TP-206	150	\$1,636	\$1,220	\$2,719	\$59	\$5,633.44	\$2,816.72	\$42.04
613920TP-315	100	\$1,536	\$1,170	\$3,028	\$59	\$5,792.35	\$2,896.18	\$68.96
800149TP-2AE	300	\$18,653	\$8,406	\$4,526	\$59	\$31,644.12	\$15,822.06	\$13.62
8001015TP-FBB	300	\$13,860	\$5,797	\$2,979	\$59	\$22,695.10	\$11,347.55	\$13.51

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
TPC Urban								
Domestic								
Small Domestic (8kVA 1 Phase) - All Peak	UD08P	62	\$3,974	\$6,178	\$14,614	\$3,636	\$0.7115	\$65.01
Small Domestic (8kVA 1 Phase) - With Off Peak	UD08Q	296	\$15,830	\$25,113	\$47,189	\$17,359	\$0.4656	\$65.01
Standard Domestic (20kVA 1 Phase) - All Peak	UD20P	1,104	\$176,887	\$275,027	\$546,860	\$64,745	\$1.2804	\$65.01
Standard Domestic (20kVA 1 Phase) - With Off Peak	UD20Q	10,926	\$1,460,787	\$2,317,430	\$4,233,782	\$640,761	\$0.8927	\$65.01
10% Fixed Charge Option - All Peak	UDL20P	413	\$53,991	\$87,119	\$44,674	\$24,221	\$0.1500	\$107.05
10% Fixed Charge Option - With Off Peak	UDL20Q	2,569	\$281,911	\$461,125	\$201,730	\$150,660	\$0.0000	\$107.05
10% Fixed Charge Option (8kVA 1 Phase) - All Peak	UDL08P	18	\$1,039	\$1,671	\$1,466	\$1,056	\$0.1500	\$86.95
10% Fixed Charge Option (8kVA 1 Phase) - With Off Peak	UDL08Q	75	\$3,831	\$6,119	\$2,276	\$4,398	\$0.0000	\$86.95
Non-Domestic Single Phase								
Street Lights (1 Phase)	US001L	3,143	\$45,028	\$73,955	\$115,998	\$3,686	\$0.1034	\$65.01
1 kVA 1 Phase - All Peak	US001P	42	\$4,043	\$6,347	\$13,752	\$2,463	\$0.5044	\$65.01
8 kVA 1 Phase - All Peak	US008P	181	\$11,600	\$18,036	\$42,663	\$10,615	\$0.7115	\$65.01
8 kVA 1 Phase - With Off Peak	US008Q	20	\$1,070	\$1,697	\$3,188	\$1,173	\$0.4656	\$65.01
20 kVA 1 Phase - All Peak	US020P	389	\$62,327	\$96,907	\$192,689	\$22,813	\$1.2804	\$65.01
20 kVA 1 Phase - With Off Peak	US020Q	132	\$17,648	\$27,998	\$51,149	\$7,741	\$0.8927	\$65.01
Non-Domestic Three Phase								
15 kVA 3 Phase - All Peak	UT015P	82	\$9,853.73	\$16,031	\$31,553	\$4,809	\$1.0606	\$65.01
15 kVA 3 Phase - With Off Peak	UT015Q	9	\$902.46	\$1,510	\$2,501	\$528	\$0.6984	\$65.01
30 kVA 3 Phase - All Peak	UT030P	588	\$149,674.66	\$246,728	\$329,198	\$34,484	\$1.7977	\$65.01
30 kVA 3 Phase - With Off Peak	UT030Q	109	\$23,235.42	\$39,168	\$44,261	\$6,392	\$1.2029	\$65.01

Consumer Capacity	Code	Number of Connections	Transpower Charge	Sub transmission Charge	Distribution Charge	PowerNet Overheads	Fixed Charge per Day	Variable Charge per Day MWh
50 kVA 3 Phase - All Peak	UT050P	299	\$183,869.16	\$300,540	\$426,441	\$17,535	\$3.6472	\$65.01
50 kVA 3 Phase - With Off Peak	UT050Q	93	\$47,782.90	\$80,150	\$105,929	\$5,454	\$2.4833	\$65.01
75 kVA 3 Phase - All Peak	UT075P	96	\$107,499.78	\$177,206	\$288,446	\$5,630	\$8.8464	\$65.01
75 kVA 3 Phase - With Off Peak	UT075Q	23	\$21,568.37	\$36,358	\$51,301	\$1,349	\$5.9624	\$65.01
100 kVA 3 Phase - All Peak	UT100P	11	\$20,362.54	\$33,566	\$62,135	\$645	\$16.3865	\$65.01
100 kVA 3 Phase - With Off Peak	UT100Q	2	\$3,100.43	\$5,226	\$8,564	\$117	\$11.3814	\$65.01
TPC Rural								
Domestic								
Small Domestic (8kVA 1 Phase) - All Peak	RD08P	103	\$6,601.20	\$10,263.69	\$27,680.44	\$6,040.49	\$0.8020	\$65.01
Small Domestic (8kVA 1 Phase) - With Off Peak	RD08Q	146	\$7,807.98	\$12,386.77	\$27,416.09	\$8,562.24	\$0.5433	\$65.01
Standard Domestic (20kVA 1 Phase) - All Peak	RD20P	1,164	\$186,499.95	\$289,974	\$659,004	\$68,263	\$1.4744	\$65.01
Standard Domestic (20kVA 1 Phase) - With Off Peak	RD20Q	6,842	\$914,763.43	\$1,451,204	\$2,941,438	\$401,252	\$1.0089	\$65.01
10% Fixed Charge Option - All Peak	RDL20P	238	\$31,113.57	\$50,204	\$25,744	\$13,958	\$0.1500	\$107.05
10% Fixed Charge Option - With Off Peak	RDL20Q	756	\$82,960.18	\$135,699	\$73,162	\$44,336	\$0.0500	\$107.05
10% Fixed Charge Option (8kVA 1 Phase) - All Peak	RDL08P	16	\$923.15	\$1,485	\$1,303	\$938	\$0.1500	\$86.95
10% Fixed Charge Option (8kVA 1 Phase) - With Off Peak	RDL08Q	9	\$459.75	\$734	\$437	\$528	\$0.0500	\$86.95
Non-Domestic Single Phase								
Street Lights (1 Phase)	RS001L	517	\$7,406.77	\$12,165	\$21,515	\$606	\$0.1163	\$65.01
1 kVA 1 Phase - All Peak	RS001P	134	\$12,899.39	\$20,252	\$43,875	\$7,858	\$0.5044	\$65.01
8 kVA 1 Phase - All Peak	RS008P	911	\$58,385.38	\$90,778.83	\$244,824.05	\$53,426.04	\$0.8020	\$65.01
8 kVA 1 Phase - With Off Peak	RS008Q	24	\$1,283.50	\$2,036.18	\$4,506.75	\$1,407.49	\$0.5433	\$65.01
20 kVA 1 Phase - All Peak	RS020P	2,029	\$325,093.12	\$505,462	\$1,148,727	\$118,992	\$1.4744	\$65.01
20 kVA 1 Phase - With Off Peak	RS020Q	215	\$28,745.12	\$45,602	\$92,430	\$12,609	\$1.0089	\$65.01

Consumer Capacity	Code	Number of Connections	Transpower Charge	Sub transmission Charge	Distribution Charge	PowerNet Overheads	Fixed Charge per Day	Variable Charge per Day MWh
Non-Domestic Three Phase								
15 kVA 3 Phase - All Peak	RT015P	247	\$29,681.37	\$48,288	\$107,874	\$14,485	\$1.2029	\$65.01
15 kVA 3 Phase - With Off Peak	RT015Q	11	\$1,103.01	\$1,845	\$3,524	\$645	\$0.8149	\$65.01
30 kVA 3 Phase - All Peak	RT030P	2,249	\$572,480.13	\$943,693	\$1,471,406	\$131,894	\$2.0563	\$65.01
30 kVA 3 Phase - With Off Peak	RT030Q	329	\$70,132.60	\$118,222	\$156,879	\$19,294	\$1.3968	\$65.01
50 kVA 3 Phase - All Peak	RT050P	413	\$253,973.12	\$415,127	\$668,986	\$24,221	\$4.1776	\$65.01
50 kVA 3 Phase - With Off Peak	RT050Q	604	\$310,331.96	\$520,544	\$770,641	\$35,422	\$2.8583	\$65.01
75 kVA 3 Phase - All Peak	RT075P	62	\$69,426.94	\$114,445	\$226,384	\$3,636	\$10.6182	\$65.01
75 kVA 3 Phase - With Off Peak	RT075Q	21	\$19,692.86	\$33,196	\$55,959	\$1,232	\$7.1522	\$65.01
100 kVA 3 Phase - All Peak	RT100P	20	\$37,022.79	\$61,029	\$137,048	\$1,173	\$19.6846	\$65.01
100 kVA 3 Phase - With Off Peak	RT100Q	7	\$10,851.51	\$18,292	\$35,790	\$411	\$13.6576	\$65.01