

---

# Annual Compliance Statement

As at 31 March 2013

(Pursuant to the Electricity Distribution Services Default Price-Quality Path  
Determination 2010)

## TABLE OF CONTENTS

1	INTRODUCTION .....	1
1.1	Statement of Compliance .....	1
1.2	Disclaimer .....	1
2	PRICE PATH .....	2
2.1	Introduction .....	2
2.2	Demonstration of Compliance .....	2
2.3	Pass-through Costs .....	3
2.4	Consumers' Price Index (CPI) .....	5
3	QUALITY PATH.....	5
3.1	Boundary Values .....	5
3.2	Reliability Limits.....	5
3.3	2013 Reliability Assessment.....	6
3.4	Prior Year Assessments .....	6
3.5	Compliance Statement .....	6
4	QUALITY POLICIES AND PROCEDURES.....	6
	APPENDIX A – SUMMARISED NOTIONAL REVENUES .....	8
	APPENDIX B – NOTIONAL REVENUES BY TARIFF .....	9
	APPENDIX C – DIRECTORS' CERTIFICATE .....	14
	APPENDIX D – AUDIT REPORT .....	15

## 1 INTRODUCTION

Aurora is New Zealand's sixth-largest electricity distributor, annually receiving 1,330 GWh of electricity for distribution to over 83,600 homes and businesses in Dunedin and Central Otago. The Aurora network comprises a total circuit length of over 5,677 kilometres, traversing a geographically diverse landscape, ranging from the urban precincts of Dunedin City to the remote and unforgiving high country environments of Central Otago.

This Annual Compliance Statement (Statement) is submitted by Aurora Energy Limited (Aurora) pursuant to clause 11 of the Electricity Distribution Services Default Price-Quality Path Determination 2010 (the Determination). The Determination specifies how price-quality regulation, made under section 54G of the Commerce Act 1986 (the Act), applies to non-exempt Electricity Distribution Businesses (EDBs), including Aurora.

The Determination requires Aurora to comply, during the regulatory period 1 April 2010 to 31 March 2015, with:

- a) the price path specified in clause 8; and
- b) the quality path specified in clause 9.

Aurora is required to provide this Statement to the Commerce Commission (Commission) and publicly disclose information relevant to the assessment of its performance against the price and quality paths.

### 1.1 Statement of Compliance

As required by clause 11.1(a) of the Determination, in respect of the Assessment Period ending on 31 March 2013, this Statement:

- a) declares Aurora's compliance with the price path requirements outlined in clause 8 of the Determination; and
- b) declares Aurora's compliance with the quality standards outlined in clause 9 of the Determination; and
- c) includes sufficient information, as outlined in clause 11.1(b) of the Determination, to support the Statement.

### 1.2 Disclaimer

Information disclosed in this Statement has been prepared solely for the purposes of the Determination. The information in this Statement should not be used for any other purpose than that intended under the Determination.

For presentation purposes, some figures in this Statement have been rounded. This may cause small discrepancies when aggregating some of the figures provided; however these discrepancies do not affect the overall compliance calculations which are based on more detailed figures.

## 2 PRICE PATH

### 2.1 Introduction

This section of the Statement demonstrates compliance with the price path for the assessment period ending on 31 March 2013. The price path allows Aurora to increase prices by the change in the Consumers' Price Index (CPI), plus or minus a regulated rate of change ("X" factor). Changes in transmission costs, Commerce Commission levies, Electricity Authority levies, and local authority rates may also be passed through into the prices charged by Aurora.

### 2.2 Demonstration of Compliance

The notional revenue ( $NR_{2013}$ ) of a non-exempt electricity distribution business at any time during the assessment period must not exceed the allowable notional revenue ( $R_{2013}$ ) for the assessment Period.

As outlined in the equation below, Aurora complies with the price path:

$$NR_t \leq R_t$$

$$NR_{2013} \leq R_{2013}$$

$$\$54,820,314 \leq \$55,083,332$$

Notional revenue for the 2013 assessment period:

$$NR_t = \sum P_{i,t} Q_{i,t-2} - K_t$$

$$NR_{2013} = \sum P_{i,2013} Q_{i,2011} - K_{2013}$$

$$NR_{2013} = \$83,744,613 - \$28,924,299$$

$$NR_{2013} = \$54,820,314$$

- Details of  $\sum P_{i,2013} Q_{i,2011}$  are included in Appendix A and B.
- Details of  $K_{2013}$  are included in the pass-through cost section below.

Allowable notional revenue for the 2013 assessment period:

$$R_t = ((\sum P_{i,t-1} Q_{i,t-2} - K_{t-1}) + (R_{t-1} - NR_{t-1})) \times (1 + \Delta CPI_t) \times (1 - X)$$

$$R_{2013} = ((\sum P_{i,2012} Q_{i,2011} - K_{2012} + (R_{2012} - NR_{2012})) \times (1 + \Delta CPI_{2013}) \times (1 - X))$$

$$R_{2013} = ((\$75,847,190 - \$23,416,316) + (\$53,835,377 - \$53,600,745)) \times (1 + 0.0459) \times (1 - 0)$$

$$R_{2013} = \$55,083,332$$

- Details of  $\sum P_{i,2012} Q_{i,2011}$  are included in Appendix A and B.
- Details of  $K_{2012}$  are included in the pass-through cost section below.
- Details of  $\Delta CPI_{2013}$  are included in the CPI section below.

## 2.3 Pass-through Costs

The Determination allows Aurora to pass-through the following costs into network prices:

- Transmission Charges;
- Local Authority Rates;
- Electricity Authority Levies; and
- Commerce Act Levies.

The table below provides a breakdown of pass-through costs incurred by Aurora in the 2013 assessment period. The table also includes Aurora's forecast pass-through costs for the assessment period when prices were determined in January 2012.

Pass-through Cost Category	K <sub>2012</sub> (Actual)	K <sub>2013</sub> (Actual)	K <sub>2013</sub> (Forecast)
Transmission charges	\$22,476,639	\$27,937,957	\$27,937,726
Local Authority rates	\$581,981	\$644,639	\$599,312
Electricity Authority levies	\$217,707	\$199,929	\$220,230
Commerce Act levies	\$139,989	\$141,774	\$142,497
Total	\$23,416,316	\$28,924,299	\$28,899,765

### 2.3.1 Transmission Charges

For the purposes of the calculations, transmission charges are the sum of:

- a) Transpower connection, interconnection, and new investment charges; and
- b) avoided transmission charges paid to distributed generators.

Loss and constraint rental rebates for grid exit point off-takes are excluded, as these are passed through to retailers each month on the basis of their share of monthly transmission charges. HVDC charges and loss and constraint rental rebates associated with injection at grid exit points are excluded, as these are recovered / passed through to distributed generators.

The variance in transmission charges between K<sub>2013</sub> (Actual) and K<sub>2013</sub> (Forecast) is primarily due to changes in New Investment Agreements (NIAs) with Transpower. Changes in NIA pricing is linked to the risk-free interest rate determined by the Transpower Board of Directors. As Transpower's risk-free interest rate can change between the time that Aurora forecasts transmission charges as part of the price setting process, and the pricing anniversaries of NIAs, some variance can occur.

### 2.3.2 Local Authority Rates

Aurora is subject to rates from the following local authorities:

- Dunedin City Council;
- Central Otago District Council;
- Queenstown Lakes District Council; and
- Otago Regional Council.

Variance in rates between K<sub>2013</sub> (Actual) and K<sub>2013</sub> (Forecast) is primarily caused by the timing difference in the rating year and the assessment period for Aurora. When Aurora

sets prices for the assessment period, the rates from July onwards in the assessment period (the commencement of the rating year) are unknown and must be forecast. Some variation between Aurora's forecast of rates changes and the actual changes in rates is inevitable.

### 2.3.3 Electricity Authority Levies

The Crown recovers the cost of operating the Electricity Authority through a levy on market participants. Different rates are levied on generators, purchasers, retailers, distributors and the grid owner, Transpower. Levy rates vary each year depending on annual costs, the volume of electricity generated, purchased and conveyed, and the number of consumer connections.

The Electricity Authority levies on distributors have a fixed component and a variable component. To forecast the levies imposed on Aurora by the Electricity Authority, Aurora must forecast network ICP numbers and network energy volumes for the assessment period. Aurora must also forecast the levy rates for each component in order to calculate the full levy cost.

The variance in Electricity Authority levies between  $K_{2013}$  (Actual) and  $K_{2013}$  (Forecast) is due to Aurora relying on previous year Electricity Authority levies as the forecast value of future Electricity Authority levies.

### 2.3.4 Commerce Act Levies

Commerce Act levies are charged in order to recover the Commerce Commission's costs in developing and administering the regulatory regime for electricity distributors, Transpower, gas pipeline distributors, and major international airports. The Commerce Commission's costs for implementing the new Part 4 of the Commerce Act can be divided into the cost of developing Input Methodologies for all regulated sectors and the costs of developing and administering other regulatory instruments, such as information disclosure requirements, for each regulated sector.

To assist in spreading the costs associated with the Input Methodology process over time, clause 8.8 of the Determination allows Aurora to apportion the 2009/10 Commerce Act levies over the five year regulatory period. For the 2013 assessment period Aurora has apportioned \$32,497 (1/5 of \$162,485) of the 2009/10 Commerce Act levies.

In addition to the apportioned 2009/10 levies, Aurora has incurred \$109,277 of Commerce Act levies in the 2013 assessment period. The variance in Commerce Act levies between  $K_{2013}$  (Actual) and  $K_{2013}$  (Forecast) is due to Aurora relying on previous year Commerce Act levies as the forecast value of future Commerce Act levies.

## 2.4 Consumers' Price Index (CPI)

The Determination allows for Aurora to change its prices to pass-through changes in the Consumers' Price Index (CPI) to consumers.

$\Delta CPI_{2013}$  is the derived change in CPI applied during the 2013 assessment period. This is calculated according to the following expression in clause 8.4 of the Determination:

$$\Delta CPI_t = (CPI_{Dec,t-3} + CPI_{Mar,t-2} + CPI_{Jun,t-2} + CPI_{Sep,t-2}) / (CPI_{Dec,t-4} + CPI_{Mar,t-3} + CPI_{Jun,t-3} + CPI_{Sep,t-3}) - 1$$

$$\Delta CPI_{2013} = (CPI_{Dec,2010} + CPI_{Mar,2011} + CPI_{Jun,2011} + CPI_{Sep,2011}) / (CPI_{Dec,2009} + CPI_{Mar,2010} + CPI_{Jun,2010} + CPI_{Sep,2010}) - 1$$

$$\Delta CPI_{2013} = (1137 + 1146 + 1157 + 1162) / (1093 + 1097 + 1099 + 1111) - 1$$

$$\Delta CPI_{2013} = 4602/4400 - 1$$

$$\Delta CPI_{2013} = 0.0459$$

## 3 QUALITY PATH

Clause 9 of the Determination requires that Aurora must either:

- a) comply with the annual reliability assessment specified in clause 9.2 of the Determination for that assessment period; or
- b) comply with those annual reliability assessments for the two immediately preceding extant assessment periods.

The following reliability limits have been calculated for the reference period - 1 April 2004 to 31 March 2009 and were first published in Aurora's annual compliance statement for the year ended 31 March 2011.

### 3.1 Boundary Values

$$B_{SAIDI} = e(\alpha SAIDI + 2.5\beta SAIDI)$$

$$B_{SAIDI} = e(-2.75 + 5.23)$$

$$B_{SAIDI} = 11.93$$

$$B_{SAIFI} = e(\alpha SAIFI + 2.5\beta SAIFI)$$

$$B_{SAIFI} = e(-6.94 + 4.58)$$

$$B_{SAIFI} = 0.30$$

### 3.2 Reliability Limits

$$SAIDI_{LIMIT} = \mu SAIDI + \sigma SAIDI$$

$$SAIDI_{LIMIT} = 84.32 + 13.97$$

$$SAIDI_{LIMIT} = 98.29$$

$$SAIFI_{LIMIT} = \mu SAIFI + \sigma SAIFI$$

$$SAIFI_{LIMIT} = 1.47 + 0.20$$

$$SAIFI_{LIMIT} = 1.67$$

### 3.3 2013 Reliability Assessment

An annual reliability assessment for the period ending 31 March 2013 has been calculated and audited in preparation for the 2013 compliance statement.

Aurora's assessed values for the period must not exceed its reliability limits for that period, such that:

$$\text{SAIDI}_{\text{ASSESS}, t} / \text{SAIDI}_{\text{LIMIT}} \leq 1$$

$$\text{SAIFI}_{\text{ASSESS}, t} / \text{SAIFI}_{\text{LIMIT}} \leq 1$$

$$\text{SAIDI}_{\text{ASSESS}, 2012} / \text{SAIDI}_{\text{LIMIT}} \leq 1$$

$$\text{SAIFI}_{\text{ASSESS}, 2012} / \text{SAIFI}_{\text{LIMIT}} \leq 1$$

$$75.61 / 98.29 = 0.77$$

$$1.05 / 1.67 = 0.63$$

Reliability meets the standard

Reliability meets the standard

### 3.4 Prior Year Assessments

Year	SAIDI <sub>ASSESS</sub>	SAIDI <sub>LIMIT</sub>	Ratio	Status
2011	110.95	98.29	1.13	Does not comply
2012	115.88	98.29	1.18	Does not comply
2013	75.61	98.29	0.77	Complies

Year	SAIFI <sub>ASSESS</sub>	SAIFI <sub>LIMIT</sub>	Ratio	Status
2011	1.48	1.67	0.89	Complies
2012	1.79	1.67	1.07	Does not comply
2013	1.05	1.67	0.63	Complies

### 3.5 Compliance Statement

Aurora complies with the annual reliability assessment in respect of both SAIDI and SAIFI, since meets the reliability standard in the current assessment period (section 9.2(a) of the Determination).

## 4 QUALITY POLICIES AND PROCEDURES

Quality records for all outages (planned and unplanned) on the Aurora Energy Ltd network are maintained by Delta under the asset services contract between the two parties for the operation and maintenance of the network. Delta has management policies and procedures that are certified to ISO 9001. The quality procedures pertinent to the recording of outage information are set out in document QP2109 "Network Outage Reporting". A flow diagram from that document is set out below.

The duty System Controller is responsible for initiating a fault report as soon as the fault occurs and, when completed, attaching relevant information such as switching instructions, SCADA print-outs, etc. The System Control Manager also examines the daily report from the after-hours telephone answering service to ensure that reports for outages involving single HV fuses or LV fuses supplying multiple consumers are captured. All details on the fault reports are subsequently checked by the System Control Manager.



The System Control Manager is also responsible for entering data from the report into the outage database. This database is used to collect data on all outages where equipment is removed from service. It therefore includes all planned and unplanned interruptions, as well as those involving all HV fuses and where LV fuses supply multiple ICPs. Momentary interruptions due to circuit reclosers at zone substations less than one minute are also included. Momentary interruptions due to reclosers in the HV network that are not connected to SCADA are recorded in the database if recorded by multiple UTL devices. The outage database holds the customer-minutes interrupted for each outage along with date, time, cause, voltage of faulted circuit, load lost and number of customers affected.

Consumer numbers are derived from the geographic information system (GIS) for that part of the circuit affected by the planned or unplanned outage. Each month the ICPs in the GIS are reconciled with the ICPs in the network connection database used for line charge billing to retailers. The network connection database is updated daily from the national registry and a full reconciliation with the national registry is carried out at the end of each month. The consumer number used in the annual outage report is the average of the start period consumer number billed to retailers and the end period consumer number billed to retailers. This average number is divided into the sum of all customer-minutes interrupted to derive the annual SAIDI minutes.

Each month a summary of outages (including details of the major outages) is reported to the directors of Aurora Energy Ltd. A separate report on outage performance is also included in the Quarterly Asset Performance Report to the directors of Aurora Energy Ltd. At the end of March each year an extract of all outages is imported into MS Excel where further analysis is carried out prior to the production of the reports for publication for the Information Disclosure Requirements. These reports are scrutinised by the System Control Managers and the Commercial Manager for consistency of coding and to ensure that all interruptions less than 1 minute or involving LV circuits are not included in the Class B or C interruptions.

## APPENDIX A – SUMMARISED NOTIONAL REVENUES

Area	Description	P <sub>i,2012</sub>	Q <sub>i,2011</sub>	P <sub>i,2013</sub>	Q <sub>i,2011</sub>	Reference table
Dunedin	Domestic fixed charges	\$	2,528,094	\$	2,528,094	A
	Domestic variable charges	\$	21,348,739	\$	23,440,162	B
	Non domestic fixed charges	\$	16,651,690	\$	18,650,583	C
	Street Lighting charges	\$	324,865	\$	356,114	D
	Non-standard charges	\$	118,980	\$	118,980	E
	<i>Sub-total</i>	\$	<b>40,972,368</b>	\$	<b>45,093,933</b>	
Clyde/Cromwell	Domestic fixed charges	\$	721,776	\$	721,776	F
	Domestic variable charges	\$	10,638,168	\$	11,884,484	G
	Non domestic fixed charges	\$	8,367,764	\$	9,000,845	H
	Street Lighting charges	\$	137,507	\$	150,328	I
	Non-standard charges	\$	446,885	\$	446,231	J
	<i>Sub-total</i>	\$	<b>20,312,099</b>	\$	<b>22,203,664</b>	
Frankton	Domestic fixed charges	\$	423,904	\$	423,904	K
	Domestic variable charges	\$	5,899,879	\$	6,744,525	L
	Non domestic fixed charges	\$	6,239,628	\$	7,018,909	M
	Street Lighting charges	\$	69,748	\$	80,410	N
	<i>Sub-total</i>	\$	<b>12,633,159</b>	\$	<b>14,267,748</b>	
Frankton Sub-area	Domestic fixed charges	\$	66,333	\$	66,333	O
	Domestic variable charges	\$	855,601	\$	978,297	P
	Non domestic fixed charges	\$	963,257	\$	1,087,101	Q
	<i>Sub-total</i>	\$	<b>1,885,190</b>	\$	<b>2,131,731</b>	
Heritage	Domestic fixed charges	\$	2,980	\$	2,980	R
	Domestic variable charges	\$	34,882	\$	37,506	S
	Non domestic fixed charges	\$	3,838	\$	4,249	T
	Street Lighting charges	\$	2,675	\$	2,802	U
	<i>Sub-total</i>	\$	<b>44,374</b>	\$	<b>47,537</b>	
<b>All</b>	<b>Total</b>	\$	<b>75,847,190</b>	\$	<b>83,744,613</b>	

## APPENDIX B – NOTIONAL REVENUES BY TARIFF

### Dunedin Pricing Area

Table A: Dunedin Domestic fixed charges				t-1 period				t period						
Load Group	Description	Code		Q <sub>i,2011</sub>	P <sub>i,2012</sub>	P <sub>i,2012</sub>	Q <sub>i,2011</sub>	Q <sub>i,2011</sub>	P <sub>i,2013</sub>	P <sub>i,2013</sub>	Q <sub>i,2011</sub>			
Standard Domestic 15	HWB/SDNStandard Domestic 15TOTAL	SHSD15		46,041	\$	54.73	\$	2,519,801		46,041	\$	54.73	\$	2,519,801
Standard Domestic 8	HWB/SDNStandard Domestic 8TOTAL	SHSD8		553	\$	15.00	\$	8,293		553	\$	15.00	\$	8,293
SUM							\$	2,528,094					\$	2,528,094

Table B: Dunedin Domestic variable charges				t-1 period				t period						
Load Group	Description	Code		Q <sub>i,2011</sub>	P <sub>i,2012</sub>	P <sub>i,2012</sub>	Q <sub>i,2011</sub>	Q <sub>i,2011</sub>	P <sub>i,2013</sub>	P <sub>i,2013</sub>	Q <sub>i,2011</sub>			
Standard Domestic DN	General Purpose (Summer)	010S		8,110,003	\$	0.0661	\$	536,071		8,110,003	\$	0.0735	\$	596,085
Standard Domestic DN	General Purpose (Winter)	010W		8,902,490	\$	0.0995	\$	885,798		8,902,490	\$	0.1108	\$	986,396
Standard Domestic DN	Seasonal Day (Summer)	011S		1,092,218	\$	0.0651	\$	71,103		1,092,218	\$	0.0690	\$	75,363
Standard Domestic DN	Seasonal Day (Winter)	011W		2,279,913	\$	0.0976	\$	222,520		2,279,913	\$	0.1037	\$	236,427
Standard Domestic DN	Seasonal Night (Summer)	012S		657,401	\$	0.0037	\$	2,432		657,401	\$	0.0034	\$	2,235
Standard Domestic DN	Seasonal Night (Winter)	012W		1,038,289	\$	0.0037	\$	3,842		1,038,289	\$	0.0034	\$	3,530
Standard Domestic DN	General Purpose & 16 hour Water Heat (Summer)	017S		176,969,214	\$	0.0417	\$	7,379,616		176,969,214	\$	0.0457	\$	8,087,493
Standard Domestic DN	General Purpose & 16 hour Water Heat (Winter)	017W		194,356,657	\$	0.0626	\$	12,166,727		194,356,657	\$	0.0688	\$	13,371,738
Standard Domestic DN	Night + 3 hour other load	024		3,084,169	\$	0.0198	\$	61,067		3,084,169	\$	0.0204	\$	62,917
Standard Domestic DN	Night Rate	028		5,287,509	\$	0.0037	\$	19,564		5,287,509	\$	0.0034	\$	17,978
SUM							\$	21,348,739					\$	23,440,162

Table C: Dunedin Non-domestic fixed charges				t-1 period				t period						
Load Group	Description	Code		Q <sub>i,2011</sub>	P <sub>i,2012</sub>	P <sub>i,2012</sub>	Q <sub>i,2011</sub>	Q <sub>i,2011</sub>	P <sub>i,2013</sub>	P <sub>i,2013</sub>	Q <sub>i,2011</sub>			
LD	HWB/SDNLoad Group 0TOTAL	SH0		129	\$	160.01	\$	20,655		129	\$	176.60	\$	22,796
LOA	HWB/SDNLoad Group 0ATOTAL	SH0A		108	\$	337.00	\$	36,368		108	\$	372.73	\$	40,224
Load Group 1A	HWB/SDNLoad Group 1ATOTAL	SH1A-FIXD		360	\$	9.88	\$	3,552		360	\$	10.01	\$	3,599
Load Group 1A	HWB/SDNLoad Group 1ACAPACITY TOTAL	SH1A-CAPY		2,876	\$	17.68	\$	50,848		2,876	\$	19.04	\$	54,759
Load Group 1A	HWB/SDNLoad Group 1ACPD TOTAL	SH1A-CONG		349	\$	152.93	\$	53,438		349	\$	175.24	\$	61,233
Load Group 1	HWB/SDNLoad Group 1TOTAL	SH1-FIXD		3,131	\$	9.88	\$	30,936		3,131	\$	10.01	\$	31,343
Load Group 1	HWB/SDNLoad Group 1CAPACITY TOTAL	SH1-CAPY		46,968	\$	15.34	\$	720,481		46,968	\$	16.44	\$	772,146
Load Group 1	HWB/SDNLoad Group 1CPD TOTAL	SH1-CONG		8,021	\$	152.93	\$	1,226,700		8,021	\$	175.24	\$	1,405,656
Load Group 2	HWB/SDNLoad Group 2TOTAL	SH2-FIXD		2,946	\$	19.36	\$	57,028		2,946	\$	19.61	\$	57,765
Load Group 2	HWB/SDNLoad Group 2CAPACITY TOTAL	SH2-CAPY		149,409	\$	16.06	\$	2,399,515		149,409	\$	15.94	\$	2,381,586
Load Group 2	HWB/SDNLoad Group 2CPD TOTAL	SH2-CONG		25,887	\$	152.93	\$	3,958,928		25,887	\$	175.24	\$	4,536,471
Load Group 2	HWB/SDNLoad Group 2OTHER TOTAL	SH2-OTHER		2,953	\$	1.00	\$	2,953		2,953	\$	1.00	\$	2,953
Load Group 3	HWB/SDNLoad Group 3TOTAL	SH3-FIXD		102	\$	388.00	\$	39,576		102	\$	393.00	\$	40,086
Load Group 3	HWB/SDNLoad Group 3CAPACITY TOTAL	SH3-CAPY		19,926	\$	27.84	\$	554,731		19,926	\$	28.87	\$	575,254
Load Group 3	HWB/SDNLoad Group 3KVA KM	SH3-DIST		107,633	\$	0.27	\$	29,061		107,633	\$	0.27	\$	29,061
Load Group 3	HWB/SDNLoad Group 3CPD TOTAL	SH3-CONG		6,008	\$	119.10	\$	715,573		6,008	\$	140.61	\$	844,808
Load Group 3	HWB/SDNLoad Group 3OTHER TOTAL	SH3-OTHER		878	\$	1.00	\$	878		878	\$	1.00	\$	878
Load Group 3A	HWB/SDNLoad Group 3ATOTAL	SH3A-FIXD		89	\$	388.00	\$	34,597		89	\$	393.00	\$	35,043
Load Group 3A	HWB/SDNLoad Group 3ACAPACITY TOTAL	SH3A-CAPY		28,067	\$	26.02	\$	730,303		28,067	\$	27.02	\$	758,370
Load Group 3A	HWB/SDNLoad Group 3AKVA KM	SH3A-DIST		159,556	\$	0.27	\$	43,080		159,556	\$	0.27	\$	43,080
Load Group 3A	HWB/SDNLoad Group 3ACPD TOTAL	SH3A-CONG		9,605	\$	119.10	\$	1,143,946		9,605	\$	140.61	\$	1,350,547
Load Group 3A	HWB/SDNLoad Group 3AOTHER TOTAL	SH3A-OTHER		2,460	\$	1.00	\$	2,460		2,460	\$	1.00	\$	2,460
Load Group 4	HWB/SDNLoad Group 4TOTAL	SH4-FIXD		74	\$	975.00	\$	71,988		74	\$	988.00	\$	72,947
Load Group 4	HWB/SDNLoad Group 4CAPACITY TOTAL	SH4-CAPY		55,935	\$	13.02	\$	728,278		55,935	\$	15.74	\$	880,422
Load Group 4	HWB/SDNLoad Group 4KVA KM	SH4-DIST		314,284	\$	0.27	\$	84,857		314,284	\$	0.27	\$	84,857
Load Group 4	HWB/SDNLoad Group 4CPD TOTAL	SH4-CONG		17,380	\$	119.74	\$	2,081,041		17,380	\$	142.07	\$	2,469,129
Load Group 4	HWB/SDNLoad Group 4OTHER TOTAL	SH4-OTHER		389,415	\$	1.02	\$	398,913		389,415	\$	1.02	\$	398,913
Load Group 5	HWB/SDNLoad Group 5TOTAL	SH5-FIXD		6	\$	975.00	\$	5,850		6	\$	988.00	\$	5,928
Load Group 5	HWB/SDNLoad Group 5CAPACITY TOTAL	SH5-CAPY		28,500	\$	9.92	\$	282,720		28,500	\$	12.20	\$	347,700
Load Group 5	HWB/SDNLoad Group 5KVA KM	SH5-DIST		252,331	\$	0.27	\$	68,129		252,331	\$	0.27	\$	68,129
Load Group 5	HWB/SDNLoad Group 5CPD TOTAL	SH5-CONG		9,285	\$	106.45	\$	988,335		9,285	\$	127.79	\$	1,186,466
Load Group 5	HWB/SDNLoad Group 5OTHER TOTAL	SH5-OTHER		96,210	\$	1.02	\$	98,556		96,210	\$	1.02	\$	98,556
SUM							\$	16,651,690					\$	18,650,583

Table D: Dunedin Street Lighting charges				t-1 period				t period						
Load Group	Description	Code		Q <sub>i,2011</sub>	P <sub>i,2012</sub>	P <sub>i,2012</sub>	Q <sub>i,2011</sub>	Q <sub>i,2011</sub>	P <sub>i,2013</sub>	P <sub>i,2013</sub>	Q <sub>i,2011</sub>			
Street Lighting	Street Lighting	SDNSTL		1	\$	107,884.00	\$	107,884		1	\$	121,494.00	\$	121,494
Street Lighting	Street Lighting	HWBSTL		1	\$	216,981.00	\$	216,981		1	\$	234,620.00	\$	234,620
SUM							\$	324,865					\$	356,114

Table E: Dunedin Non-standard charges				t-1 period				t period						
Load Group	Description	Code		Q <sub>i,2011</sub>	P <sub>i,2012</sub>	P <sub>i,2012</sub>	Q <sub>i,2011</sub>	Q <sub>i,2011</sub>	P <sub>i,2013</sub>	P <sub>i,2013</sub>	Q <sub>i,2011</sub>			
Non-standard	Generation	ICP AAA		1	\$	118,980.00	\$	118,980		1	\$	118,980.00	\$	118,980
SUM							\$	118,980					\$	118,980

## Clyde / Cromwell Pricing Area

Table F: Clyde/Cromwell Domestic fixed charges			t-1 period			t period		
Load Group	Description	Code	Q <sub>i,2011</sub>	P <sub>i,2012</sub>	P <sub>i,2012</sub> Q <sub>i,2011</sub>	Q <sub>i,2011</sub>	P <sub>i,2013</sub>	P <sub>i,2013</sub> Q <sub>i,2011</sub>
Standard Domestic 15	CYD/CMLStandard Domestic 15TOTAL	CCSD15	13,174	\$ 54.73	\$ 720,986	13,174	\$ 54.73	\$ 720,986
Standard Domestic 8	CYD/CMLStandard Domestic 8TOTAL	CCSD8	53	\$ 15.00	\$ 790	53	\$ 15.00	\$ 790
SUM					\$ 721,776			\$ 721,776

  

Table G: Clyde/Cromwell Domestic variable charges			t-1 period			t period		
Load Group	Description	Code	Q <sub>i,2011</sub>	P <sub>i,2012</sub>	P <sub>i,2012</sub> Q <sub>i,2011</sub>	Q <sub>i,2011</sub>	P <sub>i,2013</sub>	P <sub>i,2013</sub> Q <sub>i,2011</sub>
Standard Domestic CYD/CML	General Purpose (Summer)	101S	29,690,395	\$ 0.1075	\$ 3,191,717	29,690,395	\$ 0.1206	\$ 3,580,662
Standard Domestic CYD/CML	General Purpose (Winter)	101W	35,882,900	\$ 0.1612	\$ 5,784,323	35,882,900	\$ 0.1803	\$ 6,469,687
Standard Domestic CYD/CML	Night + 5 hour other load	103	808,889	\$ 0.0713	\$ 57,674	808,889	\$ 0.0789	\$ 63,821
Standard Domestic CYD/CML	Night + 3 hour other load	104	2,599,164	\$ 0.0538	\$ 139,835	2,599,164	\$ 0.0591	\$ 153,611
Standard Domestic CYD/CML	Std Water Heating 16 hour	106	23,065,013	\$ 0.0603	\$ 1,390,820	23,065,013	\$ 0.0665	\$ 1,533,823
Standard Domestic CYD/CML	Night rate	108	1,165,480	\$ 0.0370	\$ 43,123	1,165,480	\$ 0.0420	\$ 48,950
Standard Domestic CYD/CML	Peak Water Heating 20 hour	109	353,809	\$ 0.0867	\$ 30,675	353,809	\$ 0.0959	\$ 33,930
SUM					\$ 10,638,168			\$ 11,884,484

  

Table H: Clyde/Cromwell Non-domestic fixed charges			t-1 period			t period		
Load Group	Description	Code	Q <sub>i,2011</sub>	P <sub>i,2012</sub>	P <sub>i,2012</sub> Q <sub>i,2011</sub>	Q <sub>i,2011</sub>	P <sub>i,2013</sub>	P <sub>i,2013</sub> Q <sub>i,2011</sub>
LO	CYD/CMLLoad Group 0TOTAL	CC0	126	\$ 231.29	\$ 29,085	126	\$ 255.75	\$ 32,161
LOA	CYD/CMLLoad Group 0ATOTAL	CC0A	173	\$ 472.31	\$ 81,670	173	\$ 525.74	\$ 90,909
Load Group 1A	CYD/CMLLoad Group 1ATOTAL	CC1A-FIXD	174	\$ 12.61	\$ 2,194	174	\$ 13.54	\$ 2,356
Load Group 1A	CYD/CMLLoad Group 1ACAPACITY TOTAL	CC1A-CAPY	1,392	\$ 26.93	\$ 37,487	1,392	\$ 29.54	\$ 41,120
Load Group 1A	CYD/CMLLoad Group 1ACPD TOTAL	CC1A-CONG	153	\$ 249.26	\$ 38,226	153	\$ 281.88	\$ 43,229
Load Group 1	CYD/CMLLoad Group 1TOTAL	CC1-FIXD	1,690	\$ 12.61	\$ 21,315	1,690	\$ 13.54	\$ 22,887
Load Group 1	CYD/CMLLoad Group 1CAPACITY TOTAL	CC1-CAPY	25,355	\$ 23.75	\$ 602,181	25,355	\$ 25.99	\$ 658,976
Load Group 1	CYD/CMLLoad Group 1CPD TOTAL	CC1-CONG	3,316	\$ 249.26	\$ 826,430	3,316	\$ 281.88	\$ 934,583
Load Group 2	CYD/CMLLoad Group 2TOTAL	CC2-FIXD	1,418	\$ 25.22	\$ 35,760	1,418	\$ 27.09	\$ 38,411
Load Group 2	CYD/CMLLoad Group 2CAPACITY TOTAL	CC2-CAPY	73,650	\$ 27.10	\$ 1,995,910	73,650	\$ 29.13	\$ 2,145,420
Load Group 2	CYD/CMLLoad Group 2CPD TOTAL	CC2-CONG	8,812	\$ 234.95	\$ 2,070,491	8,812	\$ 259.49	\$ 2,286,749
Load Group 2	CYD/CMLLoad Group 2OTHER TOTAL	CC2-OTHER	9,995	\$ 1.00	\$ 9,995	9,995	\$ 1.00	\$ 9,995
Load Group 3	CYD/CMLLoad Group 3TOTAL	CC3-FIXD	53	\$ 505.00	\$ 26,513	53	\$ 542.00	\$ 28,455
Load Group 3	CYD/CMLLoad Group 3CAPACITY TOTAL	CC3-CAPY	9,699	\$ 34.93	\$ 338,774	9,699	\$ 32.67	\$ 316,855
Load Group 3	CYD/CMLLoad Group 3KVA KM	CC3-DIST	329,519	\$ 0.34	\$ 112,037	329,519	\$ 0.37	\$ 121,922
Load Group 3	CYD/CMLLoad Group 3CPD TOTAL	CC3-CONG	1,498	\$ 264.04	\$ 395,532	1,498	\$ 278.02	\$ 416,474
Load Group 3	CYD/CMLLoad Group 3OTHER TOTAL	CC3-OTHER	14,439	\$ 1.00	\$ 14,439	14,439	\$ 1.00	\$ 14,439
Load Group 3A	CYD/CMLLoad Group 3ATOTAL	CC3A-FIXD	30	\$ 505.00	\$ 15,066	30	\$ 542.00	\$ 16,170
Load Group 3A	CYD/CMLLoad Group 3ACAPACITY TOTAL	CC3A-CAPY	8,923	\$ 31.91	\$ 284,733	8,923	\$ 29.42	\$ 262,515
Load Group 3A	CYD/CMLLoad Group 3AKVA KM	CC3A-DIST	258,600	\$ 0.34	\$ 87,924	258,600	\$ 0.37	\$ 95,682
Load Group 3A	CYD/CMLLoad Group 3ACPD TOTAL	CC3A-CONG	1,749	\$ 264.04	\$ 461,740	1,749	\$ 278.02	\$ 486,187
Load Group 3A	CYD/CMLLoad Group 3AOTHER TOTAL	CC3A-OTHER	8,529	\$ 1.00	\$ 8,529	8,529	\$ 1.00	\$ 8,529
Load Group 4	CYD/CMLLoad Group 4TOTAL	CC4-FIXD	14	\$ 1,326.00	\$ 18,012	14	\$ 1,424.00	\$ 19,343
Load Group 4	CYD/CMLLoad Group 4CAPACITY TOTAL	CC4-CAPY	9,754	\$ 20.76	\$ 202,497	9,754	\$ 20.37	\$ 198,692
Load Group 4	CYD/CMLLoad Group 4KVA KM	CC4-DIST	430,331	\$ 0.34	\$ 146,313	430,331	\$ 0.37	\$ 159,222
Load Group 4	CYD/CMLLoad Group 4CPD TOTAL	CC4-CONG	2,467	\$ 214.23	\$ 528,488	2,467	\$ 232.33	\$ 573,139
Load Group 4	CYD/CMLLoad Group 4OTHER TOTAL	CC4-OTHER	41,342	\$ 1.02	\$ 42,350	41,342	\$ 1.02	\$ 42,350
Load Group 5	CYD/CMLLoad Group 5TOTAL	CC5-FIXD	-	\$ 1,326.00	\$ -	-	\$ 1,424.00	\$ -
Load Group 5	CYD/CMLLoad Group 5CAPACITY TOTAL	CC5-CAPY	-	\$ 17.47	\$ -	-	\$ 18.34	\$ -
Load Group 5	CYD/CMLLoad Group 5KVA KM	CC5-DIST	-	\$ 0.34	\$ -	-	\$ 0.37	\$ -
Load Group 5	CYD/CMLLoad Group 5CPD TOTAL	CC5-CONG	-	\$ 204.19	\$ -	-	\$ 222.04	\$ -
Load Group 5	CYD/CMLLoad Group 5OTHER TOTAL	CC5-OTHER	-	\$ 1.02	\$ -	-	\$ 1.02	\$ -
SUM					\$ 8,367,764			\$ 9,000,845

  

Table I: Clyde/Cromwell Street Lighting charges			t-1 period			t period		
Load Group	Description	Code	Q <sub>i,2011</sub>	P <sub>i,2012</sub>	P <sub>i,2012</sub> Q <sub>i,2011</sub>	Q <sub>i,2011</sub>	P <sub>i,2013</sub>	P <sub>i,2013</sub> Q <sub>i,2011</sub>
Street Lighting kWh CYD/CML	Street Lighting kWh	110	1,713,565	\$ 0.0550	\$ 94,246	1,713,565	\$ 0.0592	\$ 101,443
Street Lighting Lamps CYD/CML	Street Lighting Lamps	CCSTL	3,605	\$ 12.00	\$ 43,261	3,605	\$ 13.56	\$ 48,885
SUM					\$ 137,507			\$ 150,328

  

Table J: Clyde/Cromwell Non standard charges			t-1 period			t period		
Load Group	Description	Code	Q <sub>i,2011</sub>	P <sub>i,2012</sub>	P <sub>i,2012</sub> Q <sub>i,2011</sub>	Q <sub>i,2011</sub>	P <sub>i,2013</sub>	P <sub>i,2013</sub> Q <sub>i,2011</sub>
Non standard	Generation	ICP AAB	1	\$ 421,559.00	\$ 421,559	1	\$ 420,970.00	\$ 420,970
Non standard	Generation	ICP AAC	1	\$ 25,326.00	\$ 25,326	1	\$ 25,261.00	\$ 25,261
SUM					\$ 446,885			\$ 446,231

## Frankton Pricing Area

Table K: Frankton Domestic fixed charges			t-1 period			t period		
Load Group	Description	Code	Q <sub>i,2011</sub>	P <sub>i,2012</sub>	P <sub>i,2012</sub> Q <sub>i,2011</sub>	Q <sub>i,2011</sub>	P <sub>i,2013</sub>	P <sub>i,2013</sub> Q <sub>i,2011</sub>
Standard Domestic 15	FKNStandard Domestic 15TOTAL	FRSD15	7,739	\$ 54.73	\$ 423,574	7,739	\$ 54.73	\$ 423,574
Standard Domestic 8	FKNStandard Domestic 8TOTAL	FRSD8	22	\$ 15.00	\$ 330	22	\$ 15.00	\$ 330
SUM					\$ 423,904			\$ 423,904

  

Table L: Frankton Domestic variable charges			t-1 period			t period		
Load Group	Description	Code	Q <sub>i,2011</sub>	P <sub>i,2012</sub>	P <sub>i,2012</sub> Q <sub>i,2011</sub>	Q <sub>i,2011</sub>	P <sub>i,2013</sub>	P <sub>i,2013</sub> Q <sub>i,2011</sub>
Standard Domestic FKN	General Purpose (Summer)	201S	19,440,113	\$ 0.0836	\$ 1,625,193	19,440,113	\$ 0.0953	\$ 1,852,643
Standard Domestic FKN	General Purpose (Winter)	201W	28,392,165	\$ 0.1255	\$ 3,563,217	28,392,165	\$ 0.1434	\$ 4,071,436
Standard Domestic FKN	Night + 5 hour other load	203	1,572,992	\$ 0.0414	\$ 65,122	1,572,992	\$ 0.0478	\$ 75,189
Standard Domestic FKN	Night + 3 hour other load	204	1,534,375	\$ 0.0239	\$ 36,672	1,534,375	\$ 0.0275	\$ 42,195
Standard Domestic FKN	Std Water Heating 16 hour	206	18,932,953	\$ 0.0304	\$ 575,562	18,932,953	\$ 0.0351	\$ 664,547
Standard Domestic FKN	Night rate	208	994,279	\$ 0.0109	\$ 10,838	994,279	\$ 0.0120	\$ 11,931
Standard Domestic FKN	Peak Water Heating 20 hour	209	408,350	\$ 0.0570	\$ 23,276	408,350	\$ 0.0651	\$ 26,584
SUM					\$ 5,899,879			\$ 6,744,525

  

Table M: Frankton Non-domestic fixed charges			t-1 period			t period		
Load Group	Description	Code	Q <sub>i,2011</sub>	P <sub>i,2012</sub>	P <sub>i,2012</sub> Q <sub>i,2011</sub>	Q <sub>i,2011</sub>	P <sub>i,2013</sub>	P <sub>i,2013</sub> Q <sub>i,2011</sub>
Load Group 0	FKNLoad Group 0TOTAL	FR0	74	\$ 185.06	\$ 13,772	74	\$ 209.72	\$ 15,607
Load Group 0A	FKNLoad Group 0ATOTAL	FR0A	108	\$ 363.42	\$ 39,159	108	\$ 413.64	\$ 44,570
Load Group 1A	FKNLoad Group 1ATOTAL	FR1A-FIXD	117	\$ 10.96	\$ 1,285	117	\$ 12.07	\$ 1,415
Load Group 1A	FKNLoad Group 1ACAPACITY TOTAL	FR1A-CAPY	938	\$ 24.21	\$ 22,709	938	\$ 27.40	\$ 25,701
Load Group 1A	FKNLoad Group 1ACPD TOTAL	FR1A-CONG	119	\$ 162.65	\$ 19,423	119	\$ 186.95	\$ 22,325
Load Group 1	FKNLoad Group 1TOTAL	FR1-FIXD	790	\$ 10.96	\$ 8,660	790	\$ 12.07	\$ 9,537
Load Group 1	FKNLoad Group 1CAPACITY TOTAL	FR1-CAPY	11,853	\$ 22.78	\$ 270,000	11,853	\$ 25.78	\$ 305,557
Load Group 1	FKNLoad Group 1CPD TOTAL	FR1-CONG	2,435	\$ 162.65	\$ 396,066	2,435	\$ 186.95	\$ 455,239
Load Group 2	FKNLoad Group 2TOTAL	FR2-FIXD	1,094	\$ 17.82	\$ 19,500	1,094	\$ 19.62	\$ 21,469
Load Group 2	FKNLoad Group 2CAPACITY TOTAL	FR2-CAPY	53,078	\$ 21.56	\$ 1,144,363	53,078	\$ 23.11	\$ 1,226,635
Load Group 2	FKNLoad Group 2CPD TOTAL	FR2-CONG	9,386	\$ 181.72	\$ 1,705,621	9,386	\$ 204.94	\$ 1,923,563
Load Group 2	FKNLoad Group 2OTHER TOTAL	FR2-OTHER	3,608	\$ 1.00	\$ 3,608	3,608	\$ 1.00	\$ 3,608
Load Group 3	FKNLoad Group 3TOTAL	FR3-FIXD	31	\$ 404.00	\$ 12,322	31	\$ 445.00	\$ 13,573
Load Group 3	FKNLoad Group 3CAPACITY TOTAL	FR3-CAPY	4,682	\$ 44.95	\$ 210,433	4,682	\$ 51.29	\$ 240,114
Load Group 3	FKNLoad Group 3KVA KM	FR3-DIST	67,078	\$ 0.32	\$ 21,465	67,078	\$ 0.35	\$ 23,477
Load Group 3	FKNLoad Group 3CPD TOTAL	FR3-CONG	1,164	\$ 149.66	\$ 174,129	1,164	\$ 171.78	\$ 199,866
Load Group 3	FKNLoad Group 3OTHER TOTAL	FR3-OTHER	3,206	\$ 1.00	\$ 3,206	3,206	\$ 1.00	\$ 3,206
Load Group 3A	FKNLoad Group 3ATOTAL	FR3A-FIXD	26	\$ 404.00	\$ 10,538	26	\$ 445.00	\$ 11,607
Load Group 3A	FKNLoad Group 3ACAPACITY TOTAL	FR3A-CAPY	7,989	\$ 42.77	\$ 341,690	7,989	\$ 48.14	\$ 384,590
Load Group 3A	FKNLoad Group 3AKVA KM	FR3A-DIST	113,980	\$ 0.32	\$ 36,474	113,980	\$ 0.35	\$ 39,893
Load Group 3A	FKNLoad Group 3ACPD TOTAL	FR3A-CONG	2,163	\$ 149.66	\$ 323,764	2,163	\$ 171.78	\$ 371,617
Load Group 3A	FKNLoad Group 3AOTHER TOTAL	FR3A-OTHER	906	\$ 1.00	\$ 906	906	\$ 1.00	\$ 906
Load Group 4	FKNLoad Group 4TOTAL	FR4-FIXD	17	\$ 1,065.00	\$ 17,928	17	\$ 1,173.00	\$ 19,746
Load Group 4	FKNLoad Group 4CAPACITY TOTAL	FR4-CAPY	11,625	\$ 31.56	\$ 366,885	11,625	\$ 35.96	\$ 418,035
Load Group 4	FKNLoad Group 4KVA KM	FR4-DIST	131,120	\$ 0.32	\$ 41,958	131,120	\$ 0.35	\$ 45,892
Load Group 4	FKNLoad Group 4CPD TOTAL	FR4-CONG	4,946	\$ 140.67	\$ 695,683	4,946	\$ 163.28	\$ 807,501
Load Group 4	FKNLoad Group 4OTHER TOTAL	FR4-OTHER	88,088	\$ 1.02	\$ 90,236	88,088	\$ 1.02	\$ 90,236
Load Group 5	FKNLoad Group 5TOTAL	FR5-FIXD	1	\$ 1,065.00	\$ 1,065	1	\$ 1,173.00	\$ 1,173
Load Group 5	FKNLoad Group 5CAPACITY TOTAL	FR5-CAPY	4,967	\$ 21.25	\$ 105,542	4,967	\$ 25.69	\$ 127,594
Load Group 5	FKNLoad Group 5KVA KM	FR5-DIST	61,984	\$ 0.32	\$ 19,835	61,984	\$ 0.35	\$ 21,694
Load Group 5	FKNLoad Group 5CPD TOTAL	FR5-CONG	1,032	\$ 132.60	\$ 136,843	1,032	\$ 153.49	\$ 158,402
Load Group 5	FKNLoad Group 5OTHER TOTAL	FR5-OTHER	-	\$ 1.02	\$ -	-	\$ 1.02	\$ -
SUM					\$ 6,239,628			\$ 7,018,909

  

Table N: Frankton Street Lighting charges			t-1 period			t period		
Load Group	Description	Code	Q <sub>i,2011</sub>	P <sub>i,2012</sub>	P <sub>i,2012</sub> Q <sub>i,2011</sub>	Q <sub>i,2011</sub>	P <sub>i,2013</sub>	P <sub>i,2013</sub> Q <sub>i,2011</sub>
Street Lighting kWh FKN	Street Lighting kWh	210	1,057,632	\$ 0.0384	\$ 40,613	1,057,632	\$ 0.0449	\$ 47,488
Street Lighting Lamps FKN	Street Lighting Lamps	FRSTL	2,428	\$ 12.00	\$ 29,135	2,428	\$ 13.56	\$ 32,923
SUM					\$ 69,748			\$ 80,410

## Frankton Sub Pricing Area

Table O: Frankton Sub-area Domestic fixed charges			t-1 period			t period		
Load Group	Description	Code	Q <sub>i,2011</sub>	P <sub>i,2012</sub>	P <sub>i,2012</sub> Q <sub>i,2011</sub>	Q <sub>i,2011</sub>	P <sub>i,2013</sub>	P <sub>i,2013</sub> Q <sub>i,2011</sub>
Standard Domestic 15	FKNStandard Domestic 15TOTAL	FKSD15	1,212	\$ 54.73	\$ 66,333	1,212	\$ 54.73	\$ 66,333
Standard Domestic 8	FKNStandard Domestic 8TOTAL	FKSD8	-	\$ 15.00	\$ -	-	\$ 15.00	\$ -
<b>SUM</b>					<b>\$ 66,333</b>			<b>\$ 66,333</b>

  

Table P: Frankton Sub-area Domestic variable charges			t-1 period			t period		
Load Group	Description	Code	Q <sub>i,2011</sub>	P <sub>i,2012</sub>	P <sub>i,2012</sub> Q <sub>i,2011</sub>	Q <sub>i,2011</sub>	P <sub>i,2013</sub>	P <sub>i,2013</sub> Q <sub>i,2011</sub>
Standard Domestic FKN	General Purpose (Summer)	301S	2,628,708	\$ 0.0836	\$ 219,760	2,628,708	\$ 0.0953	\$ 250,516
Standard Domestic FKN	General Purpose (Winter)	301W	4,113,816	\$ 0.1255	\$ 516,284	4,113,816	\$ 0.1434	\$ 589,921
Standard Domestic FKN	Night + 5 hour other load	303	768,876	\$ 0.0414	\$ 31,831	768,876	\$ 0.0478	\$ 36,752
Standard Domestic FKN	Night + 3 hour other load	304	198,524	\$ 0.0239	\$ 4,745	198,524	\$ 0.0275	\$ 5,459
Standard Domestic FKN	Std Water Heating 16 hour	306	2,468,273	\$ 0.0304	\$ 75,035	2,468,273	\$ 0.0351	\$ 86,636
Standard Domestic FKN	Night rate	308	137,761	\$ 0.0109	\$ 1,502	137,761	\$ 0.0120	\$ 1,653
Standard Domestic FKN	Peak Water Heating 20 hour	309	113,042	\$ 0.0570	\$ 6,443	113,042	\$ 0.0651	\$ 7,359
<b>SUM</b>					<b>\$ 855,601</b>			<b>\$ 978,297</b>

  

Table Q: Frankton Sub-area Non-domestic fixed charges			t-1 period			t period		
Load Group	Description	Code	Q <sub>i,2011</sub>	P <sub>i,2012</sub>	P <sub>i,2012</sub> Q <sub>i,2011</sub>	Q <sub>i,2011</sub>	P <sub>i,2013</sub>	P <sub>i,2013</sub> Q <sub>i,2011</sub>
Load Group 0	FKNLoad Group 0TOTAL	FK0	11	\$ 185.06	\$ 2,036	11	\$ 209.72	\$ 2,307
Load Group 0A	FKNLoad Group 0ATOTAL	FK0A	3	\$ 363.42	\$ 1,060	3	\$ 413.64	\$ 1,206
Load Group 1A	FKNLoad Group 1ATOTAL	FK1A-FIXD	13	\$ 10.96	\$ 147	13	\$ 12.07	\$ 162
Load Group 1A	FKNLoad Group 1ACAPACITY TOTAL	FK1A-CAPY	107	\$ 24.21	\$ 2,599	107	\$ 27.40	\$ 2,941
Load Group 1A	FKNLoad Group 1ACPD TOTAL	FK1A-CONG	15	\$ 162.65	\$ 2,499	15	\$ 186.95	\$ 2,873
Load Group 1	FKNLoad Group 1TOTAL	FK1-FIXD	111	\$ 10.96	\$ 1,215	111	\$ 12.07	\$ 1,338
Load Group 1	FKNLoad Group 1CAPACITY TOTAL	FK1-CAPY	1,663	\$ 22.78	\$ 37,872	1,663	\$ 25.78	\$ 42,859
Load Group 1	FKNLoad Group 1CPD TOTAL	FK1-CONG	335	\$ 162.65	\$ 54,413	335	\$ 186.95	\$ 62,543
Load Group 2	FKNLoad Group 2TOTAL	FK2-FIXD	117	\$ 16.04	\$ 1,871	117	\$ 17.66	\$ 2,060
Load Group 2	FKNLoad Group 2CAPACITY TOTAL	FK2-CAPY	6,550	\$ 19.63	\$ 128,567	6,550	\$ 20.91	\$ 136,950
Load Group 2	FKNLoad Group 2CPD TOTAL	FK2-CONG	1,128	\$ 171.75	\$ 193,672	1,128	\$ 194.26	\$ 219,056
Load Group 2	FKNLoad Group 2OTHER TOTAL	FK2-OTHER	170	\$ 1.00	\$ 170	170	\$ 1.00	\$ 170
Load Group 3	FKNLoad Group 3TOTAL	FK3-FIXD	6	\$ 333.30	\$ 1,889	6	\$ 367.13	\$ 2,080
Load Group 3	FKNLoad Group 3CAPACITY TOTAL	FK3-CAPY	1,071	\$ 38.54	\$ 41,276	1,071	\$ 43.89	\$ 47,006
Load Group 3	FKNLoad Group 3KVA KM	FK3-DIST	2,471	\$ 0.32	\$ 791	2,471	\$ 0.35	\$ 865
Load Group 3	FKNLoad Group 3CPD TOTAL	FK3-CONG	379	\$ 137.14	\$ 52,022	379	\$ 158.34	\$ 60,064
Load Group 3	FKNLoad Group 3OTHER TOTAL	FK3-OTHER	394	\$ 1.00	\$ 394	394	\$ 1.00	\$ 394
Load Group 3A	FKNLoad Group 3ATOTAL	FK3A-FIXD	8	\$ 333.30	\$ 2,528	8	\$ 367.13	\$ 2,784
Load Group 3A	FKNLoad Group 3ACAPACITY TOTAL	FK3A-CAPY	2,527	\$ 36.74	\$ 92,842	2,527	\$ 41.29	\$ 104,340
Load Group 3A	FKNLoad Group 3AKVA KM	FK3A-DIST	8,905	\$ 0.32	\$ 2,850	8,905	\$ 0.35	\$ 3,117
Load Group 3A	FKNLoad Group 3ACPD TOTAL	FK3A-CONG	922	\$ 137.14	\$ 126,489	922	\$ 158.34	\$ 146,042
Load Group 3A	FKNLoad Group 3AOTHER TOTAL	FK3A-OTHER	-	\$ 1.00	\$ -	-	\$ 1.00	\$ -
Load Group 4	FKNLoad Group 4TOTAL	FK4-FIXD	5	\$ 825.38	\$ 3,852	5	\$ 909.08	\$ 4,242
Load Group 4	FKNLoad Group 4CAPACITY TOTAL	FK4-CAPY	2,675	\$ 26.31	\$ 70,379	2,675	\$ 29.74	\$ 79,555
Load Group 4	FKNLoad Group 4KVA KM	FK4-DIST	9,023	\$ 0.32	\$ 2,887	9,023	\$ 0.35	\$ 3,158
Load Group 4	FKNLoad Group 4CPD TOTAL	FK4-CONG	941	\$ 126.60	\$ 119,067	941	\$ 147.92	\$ 139,119
Load Group 4	FKNLoad Group 4OTHER TOTAL	FK4-OTHER	20,500	\$ 1.02	\$ 21,000	20,500	\$ 1.02	\$ 21,000
Load Group 5	FKNLoad Group 5TOTAL	FK5-FIXD	-	\$ 825.38	\$ -	-	\$ 909.08	\$ -
Load Group 5	FKNLoad Group 5CAPACITY TOTAL	FK5-CAPY	-	\$ 19.49	\$ -	-	\$ 23.71	\$ -
Load Group 5	FKNLoad Group 5KVA KM	FK5-DIST	-	\$ 0.32	\$ -	-	\$ 0.35	\$ -
Load Group 5	FKNLoad Group 5CPD TOTAL	FK5-CONG	-	\$ 120.34	\$ -	-	\$ 140.33	\$ -
Load Group 5	FKNLoad Group 5OTHER TOTAL	FK5-OTHER	-	\$ 1.02	\$ -	-	\$ 1.02	\$ -
<b>SUM</b>					<b>\$ 963,257</b>			<b>\$ 1,087,101</b>

## Heritage Estate Pricing Area

Table R: Heritage Domestic fixed charges			t-1 period			t period		
Load Group	Description	Code	Q <sub>i,2011</sub>	P <sub>i,2012</sub>	P <sub>i,2012</sub> Q <sub>i,2011</sub>	Q <sub>i,2011</sub>	P <sub>i,2013</sub>	P <sub>i,2013</sub> Q <sub>i,2011</sub>
Standard Domestic 15	HERITAGEStandard Domestic 15TOTAL	HESD15	54	\$ 54.73	\$ 2,951	54	\$ 54.73	\$ 2,951
Standard Domestic 8	HERITAGEStandard Domestic 8TOTAL	HESD8	2	\$ 15.00	\$ 29	2	\$ 15.00	\$ 29
<b>SUM</b>					<b>\$ 2,980</b>			<b>\$ 2,980</b>

  

Table S: Heritage Domestic variable charges			t-1 period			t period		
Load Group	Description	Code	Q <sub>i,2011</sub>	P <sub>i,2012</sub>	P <sub>i,2012</sub> Q <sub>i,2011</sub>	Q <sub>i,2011</sub>	P <sub>i,2013</sub>	P <sub>i,2013</sub> Q <sub>i,2011</sub>
Standard Domestic Heritage	General Purpose (Summer)	401S	125,462	\$ 0.0922	\$ 11,568	125,462	\$ 0.0987	\$ 12,383
Standard Domestic Heritage	General Purpose (Winter)	401W	144,859	\$ 0.1380	\$ 19,991	144,859	\$ 0.1487	\$ 21,541
Standard Domestic Heritage	Night + 3 hour other load	404	3,951	\$ 0.0381	\$ 151	3,951	\$ 0.0410	\$ 162
Standard Domestic Heritage	Std Water Heating 16 hour	406	69,521	\$ 0.0427	\$ 2,969	69,521	\$ 0.0462	\$ 3,212
Standard Domestic Heritage	Night Rate	408	7,645	\$ 0.0268	\$ 205	7,645	\$ 0.0273	\$ 209
<b>SUM</b>					<b>\$ 34,882</b>			<b>\$ 37,506</b>

  

Table T: Heritage Non domestic fixed charges			t-1 period			t period		
Load Group	Description	Code	Q <sub>i,2011</sub>	P <sub>i,2012</sub>	P <sub>i,2012</sub> Q <sub>i,2011</sub>	Q <sub>i,2011</sub>	P <sub>i,2013</sub>	P <sub>i,2013</sub> Q <sub>i,2011</sub>
Load Group 0	HERITAGELoad Group 0TOTAL	HE0	1	\$ 192.66	\$ 96	1	\$ 213.04	\$ 107
Load Group 0A	HERITAGELoad Group 0ATOTAL	HE0A	7	\$ 393.43	\$ 2,688	7	\$ 437.94	\$ 2,993
Load Group 1	HERITAGELoad Group 1ATOTAL	HE1A-FIXD	1	\$ 10.50	\$ 5	1	\$ 11.28	\$ 6
Load Group 1	HERITAGELoad Group 1ACAPACITY TOTAL	HE1A-CAPY	4	\$ 22.43	\$ 90	4	\$ 24.61	\$ 98
Load Group 1	HERITAGELoad Group 1ACPD TOTAL	HE1A-CONG	1	\$ 207.63	\$ 125	1	\$ 234.81	\$ 141
Load Group 1A	HERITAGELoad Group 1TOTAL	HE1-FIXD	0	\$ 10.50	\$ 2	0	\$ 11.28	\$ 2
Load Group 1A	HERITAGELoad Group 1CAPACITY TOTAL	HE1-CAPY	3	\$ 19.78	\$ 49	3	\$ 21.65	\$ 54
Load Group 1A	HERITAGELoad Group 1CPD TOTAL	HE1-CONG	0	\$ 207.63	\$ 73	0	\$ 234.81	\$ 82
Load Group 2	HERITAGELoad Group 2TOTAL	HE2-FIXD	1	\$ 21.01	\$ 21	1	\$ 22.57	\$ 23
Load Group 2	HERITAGELoad Group 2CAPACITY TOTAL	HE2-CAPY	24	\$ 22.57	\$ 542	24	\$ 24.27	\$ 582
Load Group 2	HERITAGELoad Group 2CPD TOTAL	HE2-CONG	1	\$ 195.61	\$ 147	1	\$ 216.16	\$ 162
Load Group 2	HERITAGELoad Group 2OTHER TOTAL	HE2-OTHER	-	\$ 1.00	\$ -	-	\$ 1.00	\$ -
<b>SUM</b>					<b>\$ 3,838</b>			<b>\$ 4,249</b>

  

Table U: Heritage Street Lighting charges			t-1 period			t period		
Load Group	Description	Code	Q <sub>i,2011</sub>	P <sub>i,2012</sub>	P <sub>i,2012</sub> Q <sub>i,2011</sub>	Q <sub>i,2011</sub>	P <sub>i,2013</sub>	P <sub>i,2013</sub> Q <sub>i,2011</sub>
Street Lighting kWh	Street Lighting kWh	410	26,571	\$ 0.0641	\$ 1,703	26,571	\$ 0.0641	\$ 1,703
Street Lighting Lamps	Street Lighting Lamps	HESL	81	\$ 12.0000	\$ 972	81	\$ 13.5600	\$ 1,098
<b>SUM</b>					<b>\$ 2,675</b>			<b>\$ 2,802</b>

**APPENDIX C – DIRECTORS' CERTIFICATE**

We, Raymond Stuart Polson and Stuart James McLauchlan being Directors of Aurora Energy Limited, certify that, having made all reasonable enquiry, to the best of our knowledge and belief, the attached Annual Compliance Statement of Aurora Energy Limited, and related information, prepared for the purposes of the Electricity Distribution Services Default Price-Quality Path Determination 2010 are true and accurate:



Raymond Stuart Polson



Stuart James McLauchlan

Date 29 May 2013



## **APPENDIX D – AUDIT REPORT**

## **Independent Auditor's Report**

### **To the readers of the Annual Compliance Statement of Aurora Energy Limited for the Assessment Period ended on 31 March 2013**

The Auditor-General is the auditor of Aurora Energy Limited (the company). The Auditor-General has appointed me, Ian Lothian, using the staff and resources of Audit New Zealand, to provide an opinion, on her behalf. We have audited the attached statement, which is an Annual Compliance Statement in respect of the default price-quality path prepared by the company for the Assessment Period ended on 31 March 2013 and dated 29 May 2013 for the purposes of clause 11 of the *Electricity Distribution Services Default Price-Quality Path Determination 2010* ("the Determination").

In relation to the price path set out in clause 8 of the Determination, our audit included examination, on a test basis, of evidence relevant to the amounts and disclosures contained on pages 1 to 4 of the Annual Compliance Statement.

In relation to the SAIDI and SAIFI statistics for the Reference Period and the Assessment Period ended on 31 March 2013, including the calculation of the Reliability Limits and the Assessed Values, which are relevant to the quality standards set out in clause 9 of the Determination, our audit included examination, on a test basis, of evidence relevant to the amounts and disclosures contained on pages 4 and 5 of the Annual Compliance Statement.

Our audit also included assessment of the significant estimates and judgments, if any, made by the company in the preparation of the Annual Compliance Statement and assessment of whether the basis of preparation has been adequately disclosed.

#### **Directors' Responsibilities**

The Directors of the company are responsible for the preparation of the Annual Compliance Statement in accordance with the Determination and for such internal control as the Directors determine is necessary to enable the preparation of an Annual Compliance Statement that is free from material misstatement, whether due to fraud or error.

#### **Auditor's Responsibilities**

Our responsibility is to express an opinion on the Annual Compliance Statement based on our audit. We conducted our audit in accordance with the External Reporting Board Standard on Assurance Engagements 3100: Compliance Engagements. This standard requires that we comply with ethical and quality control requirements and plan and perform the audit to obtain reasonable assurance about whether the Annual Compliance Statement has been prepared in accordance with the Determination and is free from material misstatement.

An audit involves performing procedures to obtain audit evidence about the amounts and disclosures in the Annual Compliance Statement. The procedures selected depend on the auditor's judgement, including the assessment of the risks of material misstatement of the Annual

Compliance Statement, whether due to fraud or error. In making those risk assessments, the auditor considers internal control relevant to the entity's preparation of the Annual Compliance Statement in order to design audit procedures that are appropriate in the circumstances, but not for the purpose of expressing an opinion on the effectiveness of the entity's internal control. Where relevant, an audit also includes evaluating the appropriateness of accounting policies used and the reasonableness of accounting estimates, as well as evaluating the overall presentation of the Annual Compliance Statement.

Other than the 2012 reliability assessment we believe that the audit evidence provided is sufficient and appropriate to provide a basis for our audit opinion. As noted below, in respect of the 2012 reliability assessment we did not obtain sufficient and appropriate audit evidence with the consequence being that we have issued a disclaimer of opinion in respect of that part of the Annual Compliance Statement.

### **Limitations and Use of this Independent Auditor's Report**

We disclaim any assumption of responsibility for any reliance on this report for any purpose other than that for which it was prepared.

Because of the inherent limitations in evidence gathering procedures, it is possible that fraud, error or non-compliance may occur and not be detected. As the procedures performed for this engagement are not performed continuously throughout the Assessment Period and the procedures performed in respect of the company's compliance with the Determination are undertaken on a test basis, our engagement cannot be relied on to detect all instances where the company may not have complied with the Determination. Also, we did not evaluate the security and controls over the electronic publication of the Disclosure Information.

Our opinion has been formed on the above basis.

### **Independence**

We have complied with the independence requirements in clause 4.1 of the Determination. We have no relationship with, or interests in the company other than auditing the company's disclosure regulation reports and its annual financial statements, which are compatible with those independence requirements.

### **Opinion on the Price Path Information**

In our opinion, section 2 on pages 1 to 4 of the company's Annual Compliance Statement for the Assessment Period ended on 31 March 2013 that relates to Price Path, has been prepared, in all material respects, in accordance with the Determination.

### **Opinion on the 2013 and 2011 Reliability Assessment Information**

In our opinion, the company's Annual Compliance Statement for the Assessment Period ended on 31 March 2013 that relates to Reliability Assessment for 2013 and 2011 (in section 3 on pages 4 and 5 of the Annual Compliance Statement) has been prepared, in all material respects, in accordance with the Determination.

## **Disclaimer of Opinion on the 2012 Reliability Assessment Information**

In our independent auditor's report on the company's Annual Compliance Statement prepared for the Assessment Period ended 31 March 2012, we reported that we were unable to form an opinion on the 2012 SAIDI and SAIFI statistics. SCADA Data records for service interruptions between 1 April and 14 August 2011 are not available and the company has been unable to provide us with information to support the underlying calculations of the 2012 SAIDA and SAIFI statistics. The 2012 comparative SAIDI and SAIFI statistics are disclosed in section 3 on pages 4 and 5 of the Annual Compliance Statement for the Assessment Period ended on 31 March 2013. We confirm that we were unable to form an opinion on the 2012 comparative SAIDI and SAIFI statistics.

Our audit was completed on 29 May 2013 and our opinion is expressed as at that date.

A handwritten signature in dark ink, appearing to read 'Ian Lothian', with a stylized, cursive script.

Ian Lothian  
Audit New Zealand  
On behalf of the Auditor-General  
Dunedin, New Zealand