



Gas Transmission Services Default Price-Quality Path Determination 2013  
(consolidating all amendments as of 26 March 2014)

# **Compliance Statement**

**10 December 2015**

Assessment period ending 30 September 2015

**Table of Contents**

- 1. Introduction ..... 3
  - 1.1. Background..... 3
  - 1.2. Statement of compliance ..... 3
  - 1.3. Disclaimer..... 3
- 2. Price Path ..... 5
  - 2.1. Background..... 5
  - 2.2. Price path (clause 8 of the Determination) ..... 5
  - 2.3. Pass-through and recoverable costs ..... 7
  - 2.4. Restructuring of prices ..... 8
  - 2.5. Alternative Transmission Service ..... 8
- 3. Quality standards ..... 9
  - 3.1. Introduction ..... 9
  - 3.2. RTE results for the assessment period ..... 9
  - 3.3. Exclusions.....10
  - 3.4. Policies and procedures for recording RTE statistics.....10
- 4. Appendices .....12

## 1. INTRODUCTION

### 1.1. Background

- 1.1.1. This Compliance Statement ("the Statement") is submitted by Vector Limited ("Vector") pursuant to clause 11 of the Gas Transmission Services Default Price-Quality Path Determination 2013 (consolidating all amendments as of 26 March 2014) ("the Determination").
- 1.1.2. The Determination is issued pursuant to Part 4 of the Commerce Act 1986 and requires Gas Transmission Businesses ("GTBs") to provide information to the Commission relevant to the assessment of their performance against the price path and quality standards.
- 1.1.3. Under clause 8 of the Determination a GTB's notional revenue must not exceed the allowable notional revenue during the current assessment period.
- 1.1.4. Under clause 9 of the Determination a GTB must comply with the annual quality assessment formula for Response Time to Emergencies ("RTE") over the current assessment period.
- 1.1.5. The Statement has been prepared on 10 December 2015. In the Statement, references to Vector relate only to Vector's gas transmission business.

### 1.2. Statement of compliance

- 1.2.1. As required by clause 11.2(a) of the Determination, this Statement confirms Vector's compliance with the price path in clause 8 and the quality standards in clause 9 in respect of the assessment period ending on 30 September 2015.
- 1.2.2. With reference to clause 11.7 of the Determination this statement confirms that clause 10 did not apply in respect of the assessment period ending on 30 September 2015.

### 1.3. Disclaimer

- 1.3.1. The information contained in the Statement has been prepared for the express purpose of complying with the requirements of clause 11 of the Determination. The statement has not been prepared for any other purpose. Vector expressly disclaims any liability to any other party who may rely on the Statement for any other purpose.
  
- 1.3.2. For presentation purposes some numbers in the Statement have been rounded. This may cause small discrepancies or rounding inconsistencies when aggregating some of the information presented in the Statement. These discrepancies do not affect the overall compliance calculations which are based on the more detailed information.

## 2. PRICE PATH

### 2.1. Background

2.1.1. In this section Vector demonstrates that it has complied with the price path requirements in clause 8 of the Determination. Vector has provided information to support the statement of compliance including:

- a) the amount of allowable notional revenue, the amount of notional revenue, prices, quantities, units of measurement associated with all numeric data and other relevant data, information and calculations;
- b) the amount of pass-through costs and recoverable costs that were used to calculate notional revenue, the supporting data, information, and calculations used to determine those amounts, including when each pass-through cost and recoverable cost amount was paid and the period to which those costs relate.

### 2.2. Price path (clause 8 of the Determination)

2.2.1. As required by clause 8 of the Determination, in order to demonstrate compliance with the price path, GTBs must demonstrate that their notional revenue during the assessment period has not exceeded the allowable notional revenue for the assessment period. The current assessment period is the second assessment period and covers the 12 months to 30 September 2015.

2.2.2. Vector complies with the price path for the second assessment period, in accordance with clause 8.4(a) of the Determination:

$$ANR_t \geq NR_t$$

$$ANR_{2015} \geq NR_{2015}$$

$$\$89,949,229 \geq \$89,902,040$$

2.2.3. Allowable notional revenue for the 2015 pricing period has been calculated in accordance with Schedule 5, Equation 4 of the Determination:

$$ANR_t = ANR_{t-1} (1 + \Delta CPI_t)(1 - X)$$

$$ANR_{2015} = ANR_{2014} (1 + \Delta CPI_{2015})(1 - X)$$

$$ANR_{2015} = \$88,792,387 (1 + 0.0130)(1 - 0)$$

$$ANR_{2015} = \$89,949,229$$

- a)  $\Delta CPI_{2015}$  is the derived change in the CPI specified in Schedule 5, Equation 4 of the Determination. Details of how  $\Delta CPI_{2015}$  was calculated are included in Appendix 4.
- b) X is the rate of change specified in Schedule 3 of the Determination.

2.2.4. Notional revenue for the 2015 pricing period has been calculated in accordance with clause 8.5(a) of the Determination:

$$NR_t = \sum P_{i,t} Q_{i,t-2} - (K_t + V_t)$$

$$NR_{2015} = \sum P_{i,2015} Q_{i,2013} - (K_{2015} + V_{2015})$$

$$NR_{2015} = \$92,845,601 - (\$2,428,777 + \$514,783)$$

$$NR_{2015} = \$89,902,040$$

- a) Details of  $\sum P_{i,2015} Q_{i,2013}$  are included in Appendices 1 to 3.
- b) Details of  $K_{2015}$  and  $V_{2015}$  are included in Section 2.3 and Appendices 5 to 6.

2.2.5. Information relating to prices including all relevant quantities and units of measurement is included in Appendices 1 to 3.

## 2.3. Pass-through and recoverable costs

2.3.1. Vector's notional revenue includes the recovery of a number of pass-through and recoverable costs for the 2015 assessment period. These costs have been determined in accordance with Schedule 6 of the Determination.

2.3.2. Table 1 below provides a summary of pass-through costs that were used to calculate notional revenue. Further supporting data, information and calculations used to determine these amounts, including when each pass-through cost was paid, and the period to which those costs relate is provided in Appendix 5.

*Table 1: Pass-through costs*

<b>Pass-through Cost</b>	<i>K<sub>2015</sub></i>
Commerce Act Levies	\$987,933
Electricity and Gas Complaints Commission Levies	\$26,894
Council Rates	\$1,413,950
<hr/>	
Total	\$2,428,777

2.3.3. Table 2 below provides a summary of recoverable costs that were used to calculate notional revenue. Further supporting data, information and calculations used to determine these amounts, including when each pass-through costs was paid, and the period to which those costs relate is provided in Appendix 6.

*Table 2: Recoverable costs*

<b>Recoverable Cost</b>	<i>V<sub>2015</sub></i>
Balancing Gas	\$514,783
<hr/>	
Total	\$514,783

## **2.4. Restructuring of prices**

- 2.4.1. No prices were restructured during the 2015 Pricing Period. Vector did restructure transmission prices for the 2014 Pricing Period. This is described in Vector's Gas Transmission Compliance Statement 2014 (2014 Compliance Statement).<sup>1</sup> Quantities have been calculated using the same methodology as specified in the 2014 Compliance Statement. Accordingly, quantities from the 2013 Pricing Period have been treated in the same manner for the 2015 Pricing Period as they were for the 2014 Compliance Statement.
- 2.4.2. These restructures relate to the pricing of non-standard consumers. Additional information as required by clause 11.6 of the Determination is provided in Appendix 8.

## **2.5. Alternative Transmission Service**

- 2.5.1. An Alternative Transmission Service (ATS) is where the configuration of the pipeline is changed due to maintenance or a critical contingency. This can mean that the path gas takes from its source to its final delivery point may change.
- 2.5.2. Total transmission charges for a Shipper over both the MDL and Vector transmission systems must be the same under the ATS as it is under normal configuration.
- 2.5.3. As this has no effect on our notional revenue, adjustments have not been made for ATS.

---

<sup>1</sup> As published on Vector's external website:  
<http://vector.co.nz/documents/101943/102862/Gas+Transmission+Compliance+Statement+2014.pdf>



## 3. QUALITY STANDARDS

### 3.1. Introduction

- 3.1.1. In this section Vector demonstrates that it has complied with the quality standard, clause 9 of the Determination. Vector has provided information to support the statement of compliance including: reference to relevant incident data and calculations, a description of the policies and procedures used for recording Response Time to Emergency (RTE) statistics and a statement confirming Vector has not excluded any RTE values over the assessment period.

### 3.2. RTE results for the assessment period

- 3.2.1. Clause 9 of the Determination requires Vector to comply with the following equation:

$$\frac{RTE_{180}}{(RTE_t - RTE_{excl})} = 1$$

Where:

- RTE<sub>180</sub> is the total number of emergencies in the assessment period where the GTB's RTE was less than or equal to 180 minutes;
- RTE<sub>t</sub> is the total number of emergencies in the assessment period; and
- RTE<sub>excl</sub> is the total number of emergencies in the assessment period for which the Commission has granted an exclusion in writing.

- 3.2.2. Emergencies are rare events on gas transmission systems and there were none in this assessment period. Therefore it is not possible to apply the above formula as the calculation would be divided by zero.

### **3.3. Exclusions**

- 3.3.1. As per the formula described above in paragraph 3.2.1, Vector may exclude RTE events for which the Commerce Commission (the Commission) has granted an exclusion in writing for. Vector confirms that for this assessment period it did not apply to the Commission for an exclusion from the RTE values.

### **3.4. Policies and procedures for recording RTE statistics**

- 3.4.1. All network integrity data (including RTE) is recorded and compiled by the Gas Control Team based in the Gas Transmission Control Room in Taranaki. This is done following a prescriptive set of processes that have been developed to ensure accuracy and consistency of reporting. These processes are documented together in the Gas Transmission Operating Standard – Event Logging.
- 3.4.2. The Commerce Commission definition of an emergency as defined in the Determination is based on two different references, which when combined read as:

*...an incident:*

- a) that has occurred on or in near vicinity of the pipeline, including leaks, third party damage, near-miss incidents, equipment failure, overpressure etc.;*
- and*
- b) For which the GTB considers a representative of the GTB is required to immediately respond to.*

- 3.4.3. An emergency event is triggered by the Gas Transmission Duty Manager declaring an emergency. Circumstances which lead to an emergency being declared are summarised in Appendix 7, and are consistent with incidents described in the Department of Labour Guidelines for a Certificate of Fitness for High-Pressure Gas and Liquids Transmission Pipelines, 2002.
- 3.4.4. RTE statistics are entered (in line with the Commission's definition of RTE) in SAP for each emergency event and the data retained in the system for reporting and analysis.
- 3.4.5. Gas Control completes Quality Control (QC) and remediation work in line with the detailed procedures outlined in the Operating Standard.
- 3.4.6. In addition to the QC work completed by Gas Control, transmission system performance information (including RTE) is further monitored by Vector. Quality Assurance (QA) work is undertaken on both RTE and non RTE events to ensure all information has been correctly categorised and labelled.
- 3.4.7. RTE performance is monitored on a monthly basis. At the end of the assessment period, Vector's RTE statistics are recorded and reported.

## 4. APPENDICES

### Appendix 1: Summary of $P_{i,2015}Q_{i,2013}$ for the 2015 assessment period

	<i>P<sub>i,2015</sub>Q<sub>i,2013</sub></i>
<b>Sum</b>	<b>\$ 92,845,601</b>

	<i>P<sub>i,2015</sub>Q<sub>i,2013</sub></i>
Transmission published charges between 1 October 2014 to 30 September 2015	\$ 55,807,599
Transmission non-standard charges between 1 October 2014 to 30 September 2015	\$ 37,038,002

## Appendix 2: Transmission published charges between 1 October 2014 to 30 September 2015

	<i>P<sub>i,2015</sub> Q<sub>i,2013</sub></i>
<b>Sum</b>	<b>\$ 55,807,599</b>

Delivery Point	Capacity			Throughput			Overruns			Total
	<i>P<sub>i,2015</sub></i>	<i>Q<sub>i,2013</sub></i>	<i>P<sub>i,2015</sub> Q<sub>i,2013</sub></i>	<i>P<sub>i,2015</sub></i>	<i>Q<sub>i,2013</sub></i>	<i>P<sub>i,2015</sub> Q<sub>i,2013</sub></i>	<i>P<sub>i,2015</sub></i>	<i>Q<sub>i,2013</sub></i>	<i>P<sub>i,2015</sub> Q<sub>i,2013</sub></i>	
RTW3203_TUK06501	\$ 302	1,070	\$ 323,119	\$ 0.06	164,360	\$ 9,862	\$ -	-	\$ -	\$ 332,981
RTW3203_TUK06502	\$ 302	-	\$ -	\$ 0.06	-	\$ -	\$ -	-	\$ -	\$ -
RTW3203_HAR11801	\$ 302	1,928	\$ 582,397	\$ 0.06	383,375	\$ 23,003	\$ -	-	\$ -	\$ 605,399
RTW3203_RAM15201	\$ 302	133	\$ 40,265	\$ 0.06	20,589	\$ 1,235	\$ -	-	\$ -	\$ 41,501
RTW3203_DRU15101	\$ 302	345	\$ 104,069	\$ 0.06	21,454	\$ 1,287	\$ -	-	\$ -	\$ 105,356
RTW3203_DRU15102	\$ 302	1,120	\$ 338,309	\$ 0.06	203,320	\$ 12,199	\$ -	-	\$ -	\$ 350,508
RTW3203_PUK04201	\$ 302	253	\$ 76,432	\$ 0.06	49,875	\$ 2,992	\$ -	-	\$ -	\$ 79,424
RTW3203_KIG16801	\$ 302	13	\$ 3,805	\$ 0.06	371	\$ 22	\$ -	-	\$ -	\$ 3,827
RTW3203_GLB03401	\$ 302	7,627	\$ 2,303,309	\$ 0.06	2,028,437	\$ 121,706	\$ 8.27	4,558	\$ 37,714	\$ 2,462,729
RTW3203_OTB00301	\$ -	-	\$ -	\$ -	-	\$ -	\$ -	-	\$ -	\$ -
RTW3203_SDN00101	\$ -	-	\$ -	\$ -	-	\$ -	\$ -	-	\$ -	\$ -
RTW3203_GTA03610	\$ 302	50,461	\$ 15,239,110	\$ 0.06	11,566,488	\$ 693,989	\$ -	-	\$ -	\$ 15,933,099
RTW3203_HUN15301	\$ 302	411	\$ 124,122	\$ 0.06	79,100	\$ 4,746	\$ -	-	\$ -	\$ 128,868
RTW3203_HUN15302	\$ 302	459	\$ 138,618	\$ 0.06	74,314	\$ 4,459	\$ -	-	\$ -	\$ 143,077
RTW3203_HUN15303	\$ 302	1,500	\$ 453,000	\$ 0.06	435	\$ 26	\$ -	-	\$ -	\$ 453,026
RTW3203_ALF15501	\$ 302	75	\$ 22,650	\$ 0.06	7,616	\$ 457	\$ -	-	\$ -	\$ 23,107
RTW3203_FLB15601	\$ 302	1,942	\$ 586,484	\$ 0.06	411,693	\$ 24,702	\$ -	-	\$ -	\$ 611,186
RTW3203_WTK33901	\$ 302	667	\$ 201,558	\$ 0.06	101,392	\$ 6,084	\$ -	-	\$ -	\$ 207,642
RTW3203_WRK18901	\$ 439	84	\$ 37,087	\$ 0.06	12,097	\$ 726	\$ 12.03	91	\$ 1,096	\$ 38,909
RTW3203_WEL18301	\$ 439	8	\$ 3,644	\$ 0.06	1,115	\$ 67	\$ 12.03	4	\$ 42	\$ 3,753
RTW3203_MUT19001	\$ -	-	\$ -	\$ -	-	\$ -	\$ -	-	\$ -	\$ -
RTW3203_MSD01801	\$ 439	-	\$ -	\$ 0.06	-	\$ -	\$ -	-	\$ -	\$ -
RTW3203_MSD01802	\$ 439	-	\$ -	\$ 0.06	-	\$ -	\$ -	-	\$ -	\$ -
RTW3203_WHG07501	\$ 439	564	\$ 247,401	\$ 0.06	122,730	\$ 7,364	\$ 12.03	185	\$ 2,229	\$ 256,993
RTW3203_KUR33601	\$ -	-	\$ -	\$ -	-	\$ -	\$ -	-	\$ -	\$ -
RTS13201_GTH11301	\$ 120	8,632	\$ 1,035,863	\$ 0.06	1,509,212	\$ 90,553	\$ 3.29	3,010	\$ 9,896	\$ 1,136,311
RTS13201_TEK28701	\$ -	-	\$ -	\$ -	-	\$ -	\$ -	-	\$ -	\$ -
TEK28701_TRC02003	\$ -	-	\$ -	\$ -	-	\$ -	\$ -	-	\$ -	\$ -

Delivery Point	Capacity			Throughput			Overruns			Total
	$P_{i,2015}$	$Q_{i,2013}$	$P_{i,2015} Q_{i,2013}$	$P_{i,2015}$	$Q_{i,2013}$	$P_{i,2015} Q_{i,2013}$	$P_{i,2015}$	$Q_{i,2013}$	$P_{i,2015} Q_{i,2013}$	
TEK28701_HRU16101	\$ 302	531	\$ 160,356	\$ 0.06	85,854	\$ 5,151	\$ 8.27	313	\$ 2,593	\$ 168,100
TEK28701_MTG17301	\$ 302	4	\$ 1,087	\$ 0.06	620	\$ 37	\$ 8.27	41	\$ 342	\$ 1,466
TEK28701_CAM17201	\$ 302	2,451	\$ 740,097	\$ 0.06	481,715	\$ 28,903	\$ 8.27	741	\$ 6,128	\$ 775,127
TEK28701_KIW34201	\$ 302	1,025	\$ 309,550	\$ 0.06	300,567	\$ 18,034	\$ -	-	\$ -	\$ 327,584
TEK28701_KIW34202	\$ 302	70	\$ 21,225	\$ 0.06	9,115	\$ 547	\$ -	-	\$ -	\$ 21,772
TEK28701_MRV16301	\$ 302	1,816	\$ 548,447	\$ 0.06	304,098	\$ 18,246	\$ -	-	\$ -	\$ 566,692
TEK28701_MRV16302	\$ 302	198	\$ 59,895	\$ 0.06	40,204	\$ 2,412	\$ -	-	\$ -	\$ 62,308
TEK28701_TAT16401	\$ 302	-	\$ -	\$ 0.06	-	\$ -	\$ 8.27	-	\$ -	\$ -
TEK28701_WTA16501	\$ 302	513	\$ 154,858	\$ 0.06	107,211	\$ 6,433	\$ 8.27	1,198	\$ 9,911	\$ 171,201
PKU02308_KIH19101	\$ 328	444	\$ 145,474	\$ 0.06	57,519	\$ 3,451	\$ 8.99	678	\$ 6,095	\$ 155,020
PKU02308_WKE19201	\$ 328	90	\$ 29,469	\$ 0.06	22,884	\$ 1,373	\$ 8.99	110	\$ 988	\$ 31,830
PKU02308_LCF20010	\$ 328	1,680	\$ 550,881	\$ 0.06	432,598	\$ 25,956	\$ 8.99	1,026	\$ 9,223	\$ 586,059
PKU02308_TKR19701	\$ 328	418	\$ 136,965	\$ 0.06	81,829	\$ 4,910	\$ 8.99	1,181	\$ 10,611	\$ 152,486
PKU02308_KIN02601	\$ 328	102	\$ 33,428	\$ 0.06	22,657	\$ 1,359	\$ -	-	\$ -	\$ 34,787
PKU02308_KIN04310	\$ 328	11,461	\$ 3,759,104	\$ 0.06	2,577,273	\$ 154,636	\$ -	-	\$ -	\$ 3,913,740
PKU02308_PTR32601	\$ 328	370	\$ 121,318	\$ 0.06	77,830	\$ 4,670	\$ 8.99	359	\$ 3,231	\$ 129,219
PKU02308_TIR33501	\$ 328	1,060	\$ 347,532	\$ 0.06	202,415	\$ 12,145	\$ -	-	\$ -	\$ 359,677
PKU02308_TIR33502	\$ 328	18	\$ 5,822	\$ 0.06	3,792	\$ 228	\$ -	-	\$ -	\$ 6,050
PKU02308_OKS32801	\$ 328	3	\$ 1,017	\$ 0.06	667	\$ 40	\$ 8.99	-	\$ -	\$ 1,057
PKU02308_GTT07701	\$ 395	1,119	\$ 441,861	\$ 0.06	249,800	\$ 14,988	\$ -	-	\$ -	\$ 456,849
PKU02308_GMM08001	\$ 395	2,440	\$ 963,940	\$ 0.06	613,826	\$ 36,830	\$ -	-	\$ -	\$ 1,000,769
PKU02308_TPK33301	\$ 395	131	\$ 51,689	\$ 0.06	22,576	\$ 1,355	\$ -	-	\$ -	\$ 53,044
PKU02308_RAG33401	\$ 395	351	\$ 138,501	\$ 0.06	68,494	\$ 4,110	\$ 10.82	54	\$ 585	\$ 143,196
PKU02308_RPR30801	\$ 418	1,934	\$ 808,290	\$ 0.06	474,540	\$ 28,472	\$ 11.45	1,253	\$ 14,353	\$ 851,116
PKU02308_BRO36301	\$ 418	-	\$ -	\$ 0.06	-	\$ -	\$ 11.45	-	\$ -	\$ -
PKU02308_TAU07001	\$ 418	548	\$ 229,268	\$ 0.06	114,124	\$ 6,847	\$ 11.45	266	\$ 3,050	\$ 239,165
PKU02308_ROT08101	\$ 418	1,698	\$ 709,572	\$ 0.06	358,008	\$ 21,480	\$ 11.45	1,065	\$ 12,199	\$ 743,251
PKU02308_KAW04410	\$ 418	544	\$ 227,364	\$ 0.06	168,702	\$ 10,122	\$ -	-	\$ -	\$ 237,486
PKU02308_KAW04411	\$ 418	1,824	\$ 762,597	\$ 0.06	587,970	\$ 35,278	\$ -	-	\$ -	\$ 797,875
PKU02308_KAW04405	\$ 418	58	\$ 24,067	\$ 0.06	9,660	\$ 580	\$ -	-	\$ -	\$ 24,646
PKU02308_TTK30601	\$ 418	12	\$ 5,026	\$ 0.06	2,600	\$ 156	\$ 11.45	114	\$ 1,301	\$ 6,484
PKU02308_EGC30701	\$ 418	4,712	\$ 1,969,812	\$ 0.06	1,120,546	\$ 67,233	\$ -	-	\$ -	\$ 2,037,045
PKU02308_EGC30702	\$ 418	1	\$ 527	\$ 0.06	294	\$ 18	\$ -	-	\$ -	\$ 545
PKU02308_WHK32101	\$ 418	324	\$ 135,533	\$ 0.06	64,910	\$ 3,895	\$ 11.45	380	\$ 4,356	\$ 143,783

Delivery Point	Capacity			Throughput			Overruns			Total
	$P_{i,2015}$	$Q_{i,2013}$	$P_{i,2015} Q_{i,2013}$	$P_{i,2015}$	$Q_{i,2013}$	$P_{i,2015} Q_{i,2013}$	$P_{i,2015}$	$Q_{i,2013}$	$P_{i,2015} Q_{i,2013}$	
PKU02308_OPO32001	\$ 418	85	\$ 35,642	\$ 0.06	8,290	\$ 497	\$ 11.45	900	\$ 10,309	\$ 46,448
PKU02308_GIS07810	\$ 418	1,226	\$ 512,439	\$ 0.06	264,501	\$ 15,870	\$ 11.45	1,970	\$ 22,561	\$ 550,870
F4000439_KAI07602	\$ 93	-	\$ -	\$ 0.30	-	\$ -	\$ 2.55	-	\$ -	\$ -
F4000439_STR00521	\$ -	-	\$ -	\$ -	-	\$ -	\$ -	-	\$ -	\$ -
F4000439_STR00511	\$ -	-	\$ -	\$ -	-	\$ -	\$ -	-	\$ -	\$ -
F4000439_TCC00201	\$ -	-	\$ -	\$ -	-	\$ -	\$ -	-	\$ -	\$ -
F4000439_BAL08201	\$ -	-	\$ -	\$ -	-	\$ -	\$ -	-	\$ -	\$ -
F4000439_BAL09626	\$ -	-	\$ -	\$ -	-	\$ -	\$ -	-	\$ -	\$ -
F4000439_KAP12901	\$ 93	169	\$ 15,715	\$ 0.06	23,866	\$ 1,432	\$ 2.55	-	\$ -	\$ 17,146
F4000439_KAP09612	\$ 93	2,545	\$ 236,659	\$ 0.30	702,273	\$ 210,682	\$ 2.55	-	\$ -	\$ 447,341
F4000439_KUP37503	\$ 93	-	\$ -	\$ 0.30	-	\$ -	\$ 2.55	-	\$ -	\$ -
KAI07601_F4000439	\$ 93	-	\$ -	\$ 0.30	-	\$ -	\$ 2.55	-	\$ -	\$ -
SWD37701_F4000439	\$ 93	-	\$ -	\$ 0.30	-	\$ -	\$ 2.55	-	\$ -	\$ -
SWD37701_KAP09612	\$ 93	-	\$ -	\$ 0.30	-	\$ -	\$ 2.55	-	\$ -	\$ -
CAR37901_F4000439	\$ 93	-	\$ -	\$ 0.30	-	\$ -	\$ 2.55	-	\$ -	\$ -
CAR37901_KAP09612	\$ 93	-	\$ -	\$ 0.30	-	\$ -	\$ 2.55	-	\$ -	\$ -
STR00513_F4000439	\$ -	-	\$ -	\$ -	-	\$ -	\$ -	-	\$ -	\$ -
TAW00299_F4000439	\$ 93	-	\$ -	\$ 0.30	-	\$ -	\$ 2.55	-	\$ -	\$ -
TAW00299_KAP09612	\$ 93	-	\$ -	\$ 0.30	-	\$ -	\$ 2.55	-	\$ -	\$ -
KUP37501_F4000439	\$ -	-	\$ -	\$ -	-	\$ -	\$ -	-	\$ -	\$ -
KUP37501_KAP09612	\$ -	-	\$ -	\$ -	-	\$ -	\$ -	-	\$ -	\$ -
KAP09612_KAP09008	\$ -	-	\$ -	\$ -	-	\$ -	\$ -	-	\$ -	\$ -
KAP09612_KAP09004	\$ -	-	\$ -	\$ -	-	\$ -	\$ -	-	\$ -	\$ -
KAP09612_KAP00115	\$ -	-	\$ -	\$ -	-	\$ -	\$ -	-	\$ -	\$ -
KAP00114_KAP09009	\$ -	-	\$ -	\$ -	-	\$ -	\$ -	-	\$ -	\$ -
KAP00114_KAP09008	\$ -	-	\$ -	\$ -	-	\$ -	\$ -	-	\$ -	\$ -
KAP00114_KAP09004	\$ -	-	\$ -	\$ -	-	\$ -	\$ -	-	\$ -	\$ -
KAP09004_MTP20601	\$ 305	1	\$ 340	\$ 0.06	380	\$ 23	\$ 8.36	125	\$ 1,043	\$ 1,406
KAP09004_MNA23402	\$ 305	90	\$ 27,541	\$ 0.06	21,895	\$ 1,314	\$ -	-	\$ -	\$ 28,855
KAP09004_OKW23401	\$ 305	-	\$ -	\$ 0.06	-	\$ -	\$ -	-	\$ -	\$ -
KAP09004_MOK35801	\$ -	-	\$ -	\$ -	-	\$ -	\$ -	-	\$ -	\$ -
KAP09004_HWA20801	\$ 305	1,713	\$ 522,418	\$ 0.06	341,962	\$ 20,518	\$ -	-	\$ -	\$ 542,936
KAP09004_HWA20802	\$ 305	535	\$ 163,313	\$ 0.06	64,068	\$ 3,844	\$ -	-	\$ -	\$ 167,157
KAP09004_PTA20901	\$ 305	91	\$ 27,748	\$ 0.06	16,387	\$ 983	\$ 8.36	171	\$ 1,432	\$ 30,164

Delivery Point	Capacity			Throughput			Overruns			Total
	$P_{i,2015}$	$Q_{i,2013}$	$P_{i,2015} Q_{i,2013}$	$P_{i,2015}$	$Q_{i,2013}$	$P_{i,2015} Q_{i,2013}$	$P_{i,2015}$	$Q_{i,2013}$	$P_{i,2015} Q_{i,2013}$	
KAP09004_WVY23601	\$ 305	5	\$ 1,498	\$ 0.06	345	\$ 21	\$ 8.36	2	\$ 19	\$ 1,538
KAP09004_WTT20301	\$ 305	133	\$ 40,684	\$ 0.06	32,209	\$ 1,933	\$ 8.36	21	\$ 175	\$ 42,791
KAP09004_WAG21501	\$ 305	3,928	\$ 1,198,004	\$ 0.06	864,726	\$ 51,884	\$ 8.36	17,644	\$ 147,438	\$ 1,397,325
KAP09004_KTK23901	\$ 305	66	\$ 20,118	\$ 0.06	18,793	\$ 1,128	\$ 8.36	323	\$ 2,699	\$ 23,945
KAP09004_LAB20201	\$ 305	142	\$ 43,185	\$ 0.06	28,139	\$ 1,688	\$ 8.36	378	\$ 3,155	\$ 48,028
KAP09004_KKI23701	\$ 305	448	\$ 136,672	\$ 0.06	62,900	\$ 3,774	\$ 8.36	666	\$ 5,562	\$ 146,009
KAP09004_MTN23801	\$ 305	321	\$ 97,777	\$ 0.06	56,232	\$ 3,374	\$ 8.36	344	\$ 2,876	\$ 104,027
KAP09004_FLH21901	\$ 312	0	\$ 151	\$ 0.06	128	\$ 8	\$ -	-	\$ -	\$ 159
KAP09004_ORD24701	\$ 312	88	\$ 27,518	\$ 0.06	6,390	\$ 383	\$ -	-	\$ -	\$ 27,902
KAP09004_LNB24301	\$ 312	960	\$ 299,512	\$ 0.06	247,605	\$ 14,856	\$ -	-	\$ -	\$ 314,369
KAP09004_KRG24101	\$ 312	35	\$ 10,764	\$ 0.06	107	\$ 6	\$ -	-	\$ -	\$ 10,770
KAP09004_PLN24201	\$ 312	3,812	\$ 1,189,247	\$ 0.06	752,635	\$ 45,158	\$ 8.55	2,662	\$ 22,751	\$ 1,257,156
KAP09004_FLD03001	\$ 312	730	\$ 227,618	\$ 0.06	150,592	\$ 9,036	\$ -	-	\$ -	\$ 236,654
KAP09004_ASH34301	\$ 312	64	\$ 19,827	\$ 0.06	7,951	\$ 477	\$ -	-	\$ -	\$ 20,304
KAP09004_MGK05401	\$ 312	115	\$ 35,876	\$ 0.06	14,032	\$ 842	\$ 8.55	229	\$ 1,955	\$ 38,673
KAP09004_PHT04901	\$ 312	1,285	\$ 400,822	\$ 0.06	371,247	\$ 22,275	\$ 8.55	392	\$ 3,347	\$ 426,444
KAP09004_DAN05001	\$ 312	279	\$ 86,956	\$ 0.06	50,176	\$ 3,011	\$ 8.55	441	\$ 3,767	\$ 93,733
KAP09004_TKP05101	\$ 312	644	\$ 200,877	\$ 0.06	101,482	\$ 6,089	\$ 8.55	-	\$ -	\$ 206,966
KAP09004_MNG34001	\$ 312	64	\$ 20,089	\$ 0.06	17,657	\$ 1,059	\$ 8.55	326	\$ 2,785	\$ 23,933
KAP09004_HST05210	\$ 312	3,439	\$ 1,072,892	\$ 0.06	802,296	\$ 48,138	\$ -	-	\$ -	\$ 1,121,029
KAP09004_HST05203	\$ 312	800	\$ 249,600	\$ 0.06	153,536	\$ 9,212	\$ -	-	\$ -	\$ 258,812
KAP09004_FOX22101	\$ 397	181	\$ 71,853	\$ 0.06	32,892	\$ 1,974	\$ 10.88	864	\$ 9,395	\$ 83,221
KAP09004_LVN24401	\$ 397	1,187	\$ 471,318	\$ 0.06	247,392	\$ 14,844	\$ 10.88	1,639	\$ 17,827	\$ 503,989
KAP09004_KUK22401	\$ 397	3	\$ 1,202	\$ 0.06	649	\$ 39	\$ 10.88	139	\$ 1,515	\$ 2,755
KAP09004_OTA22601	\$ 397	118	\$ 47,005	\$ 0.06	19,289	\$ 1,157	\$ -	-	\$ -	\$ 48,162
KAP09004_THO22701	\$ 397	3	\$ 1,072	\$ 0.06	742	\$ 45	\$ -	-	\$ -	\$ 1,116
KAP09004_WAK22801	\$ 397	219	\$ 87,085	\$ 0.06	48,374	\$ 2,902	\$ -	-	\$ -	\$ 89,988
KAP09004_PAU20101	\$ 397	638	\$ 253,170	\$ 0.06	131,664	\$ 7,900	\$ -	-	\$ -	\$ 261,069
KAP09004_PAH23101	\$ 397	5	\$ 2,025	\$ 0.06	722	\$ 43	\$ -	-	\$ -	\$ 2,068
KAP09004_GTW06910	\$ 397	1,548	\$ 614,621	\$ 0.06	295,855	\$ 17,751	\$ -	-	\$ -	\$ 632,372
KAP09004_BEL24510	\$ 397	5,820	\$ 2,310,666	\$ 0.06	1,274,787	\$ 76,487	\$ -	-	\$ -	\$ 2,387,153
KAP09004_TWA35610	\$ 397	8,606	\$ 3,416,531	\$ 0.06	1,884,101	\$ 113,046	\$ -	-	\$ -	\$ 3,529,577
KAP09004_TWB24810	\$ 397	1,914	\$ 759,738	\$ 0.06	335,748	\$ 20,145	\$ -	-	\$ -	\$ 779,883
KAP09008_ELM12301	\$ 93	566	\$ 52,617	\$ 0.06	137,642	\$ 8,258	\$ 2.55	2,223	\$ 5,663	\$ 66,539



Delivery Point	Capacity			Throughput			Overruns			Total
	$P_{i,2015}$	$Q_{i,2013}$	$P_{i,2015} Q_{i,2013}$	$P_{i,2015}$	$Q_{i,2013}$	$P_{i,2015} Q_{i,2013}$	$P_{i,2015}$	$Q_{i,2013}$	$P_{i,2015} Q_{i,2013}$	
KAP09008_KPA12401	\$ 93	9	\$ 832	\$ 0.06	1,351	\$ 81	\$ 2.55	5	\$ 13	\$ 927
KAP09008_STR10201	\$ 93	311	\$ 28,882	\$ 0.06	57,779	\$ 3,467	\$ 2.55	134	\$ 341	\$ 32,690
KAP09008_IGW11901	\$ 93	139	\$ 12,937	\$ 0.06	23,638	\$ 1,418	\$ 2.55	66	\$ 168	\$ 14,523
KAP09008_WTR12001	\$ 93	335	\$ 31,154	\$ 0.06	71,926	\$ 4,316	\$ -	-	\$ -	\$ 35,470
KAP09008_NPL12101	\$ 93	3,280	\$ 305,008	\$ 0.06	715,344	\$ 42,921	\$ -	-	\$ -	\$ 347,929
KAP09008_PKD02402	\$ -	-	\$ -	\$ -	-	\$ -	\$ -	-	\$ -	\$ -
OFF31101_PIR31101	\$ 328	8	\$ 2,769	\$ 0.06	1,422	\$ 85	\$ 8.99	109	\$ 977	\$ 3,831
OFF31101_TAC31001	\$ 328	1,720	\$ 564,147	\$ 0.06	441,170	\$ 26,470	\$ 8.99	34,406	\$ 309,184	\$ 899,802
OFF13001_OPK13001	\$ 93	58	\$ 5,405	\$ 0.06	7,769	\$ 466	\$ 2.55	41	\$ 104	\$ 5,976
OFF15901_PGU13101	\$ 93	4	\$ 330	\$ 0.06	435	\$ 26	\$ 2.55	11	\$ 29	\$ 384
OFF15901_PGH15901	\$ 93	0	\$ 22	\$ 0.06	60	\$ 4	\$ 2.55	14	\$ 35	\$ 60
OFF13201_OKA13201	\$ 93	11	\$ 985	\$ 0.06	1,565	\$ 94	\$ 2.55	18	\$ 46	\$ 1,125
OFF16701_OKU16701	\$ 93	36	\$ 3,361	\$ 0.06	6,796	\$ 408	\$ 2.55	104	\$ 264	\$ 4,033
OFF17401_TKS17401	\$ 328	147	\$ 48,366	\$ 0.06	31,565	\$ 1,894	\$ 8.99	649	\$ 5,836	\$ 56,095
OFF17001_TKN17001	\$ 328	175	\$ 57,428	\$ 0.06	25,246	\$ 1,515	\$ 8.99	92	\$ 823	\$ 59,766
OFF14101_OTO14101	\$ 328	56	\$ 18,389	\$ 0.06	9,277	\$ 557	\$ 8.99	64	\$ 576	\$ 19,522
OFF14501_NGW14501	\$ 302	23	\$ 7,076	\$ 0.06	3,951	\$ 237	\$ 8.27	108	\$ 896	\$ 8,208
OFF16601_HTL16601	\$ 302	424	\$ 127,969	\$ 0.06	52,956	\$ 3,177	\$ 8.27	322	\$ 2,660	\$ 133,806
Auckland Zone	\$ -	-	\$ -	\$ -	-	\$ -	\$ 8.27	7,811	\$ 64,629	\$ 64,629
Edgcumbe Zone	\$ -	-	\$ -	\$ -	-	\$ -	\$ 11.45	901	\$ 10,318	\$ 10,318
Hastings Zone	\$ -	-	\$ -	\$ -	-	\$ -	\$ 8.55	2,342	\$ 20,019	\$ 20,019
Hawera Zone	\$ -	-	\$ -	\$ -	-	\$ -	\$ 8.36	5,126	\$ 42,833	\$ 42,833
Kawerau Zone	\$ -	-	\$ -	\$ -	-	\$ -	\$ 11.45	3,193	\$ 36,569	\$ 36,569
Kinleith Zone	\$ -	-	\$ -	\$ -	-	\$ -	\$ 8.99	50,695	\$ 455,560	\$ 455,560
Kiwitahi Zone	\$ -	-	\$ -	\$ -	-	\$ -	\$ 8.27	251	\$ 2,076	\$ 2,076
Manawatu Zone	\$ -	-	\$ -	\$ -	-	\$ -	\$ 8.55	7,148	\$ 61,102	\$ 61,102
Marsden Zone	\$ -	-	\$ -	\$ -	-	\$ -	\$ 12.03	-	\$ -	\$ -
Morrinsville Zone	\$ -	-	\$ -	\$ -	-	\$ -	\$ 8.27	590	\$ 4,885	\$ 4,885
New Plymouth Zone	\$ -	-	\$ -	\$ -	-	\$ -	\$ 2.55	4,757	\$ 12,121	\$ 12,121
Okaiawa-Manaia Zone	\$ -	-	\$ -	\$ -	-	\$ -	\$ 8.36	68	\$ 568	\$ 568
South Auckland Rural Zone	\$ -	-	\$ -	\$ -	-	\$ -	\$ 8.27	663	\$ 5,489	\$ 5,489
Tirau Zone	\$ -	-	\$ -	\$ -	-	\$ -	\$ 8.99	1,562	\$ 14,040	\$ 14,040
Wellington Zone	\$ -	-	\$ -	\$ -	-	\$ -	\$ 10.88	26,722	\$ 290,649	\$ 290,649
Western Bay of Plenty Zone	\$ -	-	\$ -	\$ -	-	\$ -	\$ 10.82	2,281	\$ 24,685	\$ 24,685

### Appendix 3: Transmission non-standard charges between 1 October 2014 to 30 September 2015

*P<sub>i,2015</sub> Q<sub>i,2013</sub>*  
\$ 37,038,002

Sum

Contract	Capacity			Throughput			Overruns			Fixed charge			Interruptible			Total	
	<i>P<sub>i,2015</sub></i>	<i>Q<sub>i,2013</sub></i>	<i>P<sub>i,2015</sub> Q<sub>i,2013</sub></i>	<i>P<sub>i,2015</sub></i>	<i>Q<sub>i,2013</sub></i>	<i>P<sub>i,2015</sub> Q<sub>i,2013</sub></i>	<i>P<sub>i,2015</sub></i>	<i>Q<sub>i,2013</sub></i>	<i>P<sub>i,2015</sub> Q<sub>i,2013</sub></i>	<i>P<sub>i,2015</sub></i>	<i>Q<sub>i,2013</sub></i>	<i>P<sub>i,2015</sub> Q<sub>i,2013</sub></i>	<i>P<sub>i,2015</sub></i>	<i>Q<sub>i,2013</sub></i>	<i>P<sub>i,2015</sub> Q<sub>i,2013</sub></i>		
VTC15001	\$ -	22,500	\$ -	\$ -	6,851,546	\$ -	\$ 2.55	-	\$ -	\$ -	5,221	365	\$ 1,905,665	\$ -	-	\$ -	\$ 1,905,665
VTC15002	\$ -	-	\$ -	\$ -	178,380	\$ -	\$ 2.03	-	\$ -	\$ -	33	365	\$ 12,045	\$ -	-	\$ -	\$ 12,045
VTC15003	\$ 59	38,000	\$ 2,246,406	\$ -	12,211,604	\$ -	\$ 0.60	-	\$ -	\$ -	-	365	\$ -	\$ -	-	\$ -	\$ 2,246,406
VTC15004	\$ -	5,933	\$ -	\$ -	2,165,657	\$ -	\$ 2.55	-	\$ -	\$ -	-	365	\$ -	\$ 0.30	2,165,657	\$ 649,697	\$ 649,697
VTC15005	\$ 53	1,650	\$ 88,049	\$ 0.40	245,761	\$ 97,961	\$ 8.27	-	\$ -	\$ -	7	365	\$ 2,425	\$ -	-	\$ -	\$ 188,434
VTC15006	\$ -	405	\$ -	\$ -	147,815	\$ -	\$ 8.55	-	\$ -	\$ -	-	365	\$ -	\$ 0.60	147,815	\$ 88,689	\$ 88,689
VTC15007	\$ -	-	\$ -	\$ -	-	\$ -	\$ -	-	\$ -	\$ -	5	365	\$ 1,800	\$ -	-	\$ -	\$ 1,800
VTC15008	\$ -	-	\$ -	\$ -	-	\$ -	\$ -	-	\$ -	\$ -	2	365	\$ 900	\$ -	-	\$ -	\$ 900
VTC15009	\$ -	-	\$ -	\$ -	-	\$ -	\$ -	-	\$ -	\$ -	3	365	\$ 1,215	\$ -	-	\$ -	\$ 1,215
VTC15010	\$ -	25,000	\$ -	\$ -	5,373,390	\$ -	\$ 0.60	10,353	\$ 6,212	\$ -	1	365	\$ 365	\$ -	-	\$ -	\$ 6,577
VTC15011	\$ 135	143	\$ 19,251	\$ 0.06	6,781	\$ 407	\$ 8.99	2	\$ 14	\$ -	-	365	\$ -	\$ -	-	\$ -	\$ 19,672
VTC15012	\$ -	6,809	\$ -	\$ -	2,207,060	\$ -	\$ 12.03	2,832	\$ 34,062	\$ -	-	365	\$ -	\$ 0.85	2,485,218	\$ 2,112,435	\$ 2,146,497
VTC15013	\$ -	2	\$ -	\$ 0.06	625	\$ 38	\$ 8.36	-	\$ -	\$ -	-	365	\$ -	\$ 0.50	625	\$ 313	\$ 350
VTC15014	\$ 355	4,330	\$ 1,535,293	\$ 0.05	1,018,901	\$ 51,658	\$ 9.71	225	\$ 2,185	\$ -	-	365	\$ -	\$ -	-	\$ -	\$ 1,589,136
VTC15015	\$ 305	143	\$ 43,519	\$ 0.06	18,983	\$ 1,139	\$ 8.36	-	\$ -	\$ -	-	31	\$ -	\$ -	-	\$ -	\$ 44,658
VTC15016	\$ -	1,537	\$ -	\$ 0.06	328,373	\$ 19,702	\$ 8.36	-	\$ -	\$ -	567	334	\$ 189,378	\$ -	-	\$ -	\$ 209,080
VTC15017	\$ -	-	\$ -	\$ -	-	\$ -	\$ -	-	\$ -	\$ -	36	365	\$ 13,085	\$ -	-	\$ -	\$ 13,085
VTC15018	\$ -	4,224	\$ -	\$ -	1,426,379	\$ -	\$ 4.20	52,933	\$ 222,317	\$ -	-	365	\$ -	\$ 0.41	1,541,737	\$ 632,112	\$ 854,429
VTC15019	\$ 153	50,000	\$ 7,667,500	\$ -	13,299,870	\$ -	\$ 3.10	-	\$ -	\$ -	-	365	\$ -	\$ -	-	\$ -	\$ 7,667,500
VTC15020	\$ -	10,715	\$ -	\$ -	3,910,822	\$ -	\$ -	-	\$ -	\$ -	-	365	\$ -	\$ 0.38	3,910,822	\$ 1,486,112	\$ 1,486,112
VTC15021	\$ -	-	\$ -	\$ -	-	\$ -	\$ -	-	\$ -	\$ -	36	365	\$ 13,085	\$ -	-	\$ -	\$ 13,085
VTC15022	\$ -	50,000	\$ -	\$ -	4,090,724	\$ -	\$ 0.96	-	\$ -	\$ -	4,780	365	\$ 1,744,677	\$ -	-	\$ -	\$ 1,744,677
VTC15023	\$ -	-	\$ -	\$ -	-	\$ -	\$ -	-	\$ -	\$ -	102	365	\$ 37,270	\$ -	-	\$ -	\$ 37,270
VTC15024	\$ -	-	\$ -	\$ -	-	\$ -	\$ -	-	\$ -	\$ -	36	365	\$ 13,085	\$ -	-	\$ -	\$ 13,085
VTC15025	\$ -	64,000	\$ -	\$ -	9,234,409	\$ -	\$ 0.98	-	\$ -	\$ -	6,301	365	\$ 2,299,801	\$ -	-	\$ -	\$ 2,299,801
VTC15026	\$ 435	75	\$ 32,834	\$ 0.06	6,128	\$ 368	\$ 10.82	2	\$ 17	\$ -	-	365	\$ -	\$ -	-	\$ -	\$ 33,218
VTC15027	\$ 155	1,750	\$ 270,410	\$ 0.52	204,420	\$ 106,298	\$ 12.03	-	\$ -	\$ -	-	365	\$ -	\$ -	-	\$ -	\$ 376,708
VTC15028	\$ -	1,683	\$ -	\$ 0.06	405,072	\$ 24,304	\$ 11.45	-	\$ -	\$ -	2,082	273	\$ 568,386	\$ -	-	\$ -	\$ 592,690
VTC15029	\$ -	567	\$ -	\$ 0.06	136,508	\$ 8,190	\$ 11.45	-	\$ -	\$ -	2,221	92	\$ 204,332	\$ -	-	\$ -	\$ 212,522
VTC15030	\$ -	-	\$ -	\$ 0.06	-	\$ -	\$ 11.45	-	\$ -	\$ -	-	365	\$ -	\$ 0.66	-	\$ -	\$ -
VTC15031	\$ -	25,500	\$ -	\$ 0.01	4,080,974	\$ 40,810	\$ 0.99	-	\$ -	\$ -	2,305	365	\$ 841,365	\$ -	-	\$ -	\$ 882,175
VTC15032	\$ -	-	\$ -	\$ -	-	\$ -	\$ -	-	\$ -	\$ -	33	365	\$ 12,206	\$ -	-	\$ -	\$ 12,206
VTC15033	\$ 146	33,000	\$ 4,802,490	\$ -	3,626,486	\$ -	\$ 3.99	-	\$ -	\$ -	-	365	\$ -	\$ -	-	\$ -	\$ 4,802,490
VTC15034	\$ -	111	\$ -	\$ -	40,546	\$ -	\$ 4.20	-	\$ -	\$ -	-	365	\$ -	\$ 0.41	40,546	\$ 16,624	\$ 16,624
VTC15035	\$ -	-	\$ -	\$ -	-	\$ -	\$ -	-	\$ -	\$ -	34	365	\$ 12,228	\$ -	-	\$ -	\$ 12,228
VTC15036	\$ -	-	\$ -	\$ -	-	\$ -	\$ -	-	\$ -	\$ -	36	-	\$ -	\$ -	-	\$ -	\$ -
VTC15037	\$ -	-	\$ -	\$ -	-	\$ -	\$ 0.31	-	\$ -	\$ -	5,214	-	\$ -	\$ -	-	\$ -	\$ -

Contract	Capacity			Throughput			Overruns			Fixed charge			Interruptible			Total
	P <sub>1,2015</sub>	Q <sub>1,2013</sub>	P <sub>1,2015</sub> Q <sub>1,2013</sub>	P <sub>1,2015</sub>	Q <sub>1,2013</sub>	P <sub>1,2015</sub> Q <sub>1,2013</sub>	P <sub>1,2015</sub>	Q <sub>1,2013</sub>	P <sub>1,2015</sub> Q <sub>1,2013</sub>	P <sub>1,2015</sub>	Q <sub>1,2013</sub>	P <sub>1,2015</sub> Q <sub>1,2013</sub>	P <sub>1,2015</sub>	Q <sub>1,2013</sub>	P <sub>1,2015</sub> Q <sub>1,2013</sub>	
VTC15038	\$ 302	-	\$ -	\$ 0.06	-	\$ -	\$ 8.27	-	\$ -	\$ -	-	\$ -	\$ -	-	\$ -	\$ -
VTC15039	\$ -	-	\$ -	\$ -	-	\$ -	\$ -	-	\$ -	\$ 33	361	\$ 11,913	\$ -	-	\$ -	\$ 11,913
VTC15040	\$ 302	1,004	\$ 303,208	\$ 0.06	284,534	\$ 17,072	\$ 8.27	1,064	\$ 8,805	\$ -	-	\$ -	\$ -	-	\$ -	\$ 329,085
VTC15041	\$ 146	-	\$ -	\$ -	-	\$ -	\$ 3.99	-	\$ -	\$ -	-	\$ -	\$ -	-	\$ -	\$ -
VTC15042	\$ 312	-	\$ -	\$ 0.06	-	\$ -	\$ 8.55	-	\$ -	\$ -	-	\$ -	\$ -	-	\$ -	\$ -
VTC15043	\$ -	-	\$ -	\$ 0.30	8,725	\$ 2,618	\$ -	-	\$ -	\$ -	365	\$ -	\$ -	-	\$ -	\$ 2,618
VTC15044	\$ -	-	\$ -	\$ 0.30	1,790,343	\$ 537,103	\$ -	-	\$ -	\$ -	365	\$ -	\$ -	-	\$ -	\$ 537,103
VTC15045	\$ -	-	\$ -	\$ 0.30	251	\$ 75	\$ -	-	\$ -	\$ -	365	\$ -	\$ -	-	\$ -	\$ 75
VTC15046	\$ -	-	\$ -	\$ 0.30	6,851,624	\$ 2,055,487	\$ -	-	\$ -	\$ -	365	\$ -	\$ -	-	\$ -	\$ 2,055,487
VTC15047	\$ -	-	\$ -	\$ 0.30	316,033	\$ 94,810	\$ -	-	\$ -	\$ -	365	\$ -	\$ -	-	\$ -	\$ 94,810
VTC15048	\$ -	-	\$ -	\$ 0.30	3,001	\$ 900	\$ -	-	\$ -	\$ -	365	\$ -	\$ -	-	\$ -	\$ 900
VTC15049	\$ -	-	\$ -	\$ 0.30	-	\$ -	\$ -	-	\$ -	\$ -	365	\$ -	\$ -	-	\$ -	\$ -
VTC15050	\$ 312	800	\$ 249,600	\$ 0.06	123,634	\$ 7,418	\$ 8.55	100	\$ 857	\$ -	365	\$ -	\$ -	-	\$ -	\$ 257,875
VTC15051	\$ 418	960	\$ 401,280	\$ 0.06	45,097	\$ 2,706	\$ 11.45	-	\$ -	\$ -	365	\$ -	\$ -	-	\$ -	\$ 403,986
VTC15052	\$ 305	150	\$ 45,750	\$ 0.06	30,986	\$ 1,859	\$ 8.36	4	\$ 31	\$ -	365	\$ -	\$ -	-	\$ -	\$ 47,640
VTC15053	\$ 418	1,500	\$ 627,000	\$ 0.06	103,997	\$ 6,240	\$ 11.45	-	\$ -	\$ -	365	\$ -	\$ -	-	\$ -	\$ 633,240
VTC15054	\$ 312	2,747	\$ 856,932	\$ 0.06	526,679	\$ 31,601	\$ 8.55	33	\$ 286	\$ -	365	\$ -	\$ -	-	\$ -	\$ 888,818
VTC15055	\$ 312	300	\$ 93,600	\$ 0.06	42,759	\$ 2,566	\$ 8.55	1,057	\$ 9,031	\$ -	365	\$ -	\$ -	-	\$ -	\$ 105,197
VTC15056	\$ 312	335	\$ 104,520	\$ 0.06	61,719	\$ 3,703	\$ 8.55	6	\$ 55	\$ -	365	\$ -	\$ -	-	\$ -	\$ 108,278
VTC15057	\$ 302	68	\$ 20,519	\$ 0.06	518	\$ 31	\$ 8.27	-	\$ -	\$ -	365	\$ -	\$ -	-	\$ -	\$ 20,551
VTC15058	\$ 439	90	\$ 39,510	\$ 0.06	2,097	\$ 126	\$ 12.03	37	\$ 449	\$ -	365	\$ -	\$ -	-	\$ -	\$ 40,085
VTC15059	\$ 305	720	\$ 219,600	\$ 0.06	167,807	\$ 10,068	\$ 8.36	-	\$ -	\$ -	365	\$ -	\$ -	-	\$ -	\$ 229,668
VTC15060	\$ 312	500	\$ 156,000	\$ 0.06	95,389	\$ 5,723	\$ 8.55	-	\$ -	\$ -	365	\$ -	\$ -	-	\$ -	\$ 161,723
VTC15061	\$ 395	42	\$ 16,774	\$ 0.06	161	\$ 10	\$ 10.82	-	\$ -	\$ -	365	\$ -	\$ -	-	\$ -	\$ 16,784
VTC15062	\$ 328	760	\$ 249,280	\$ 0.06	66,707	\$ 4,002	\$ 8.99	-	\$ -	\$ -	365	\$ -	\$ -	-	\$ -	\$ 253,282
VTC15063	\$ 302	1,100	\$ 332,200	\$ 0.06	216,537	\$ 12,992	\$ 8.27	-	\$ -	\$ -	365	\$ -	\$ -	-	\$ -	\$ 345,192
VTC15064	\$ -	-	\$ -	\$ -	-	\$ -	\$ -	-	\$ -	\$ 579	365	\$ 211,245	\$ -	-	\$ -	\$ 211,245
VTC15065	\$ -	-	\$ -	\$ -	-	\$ -	\$ -	-	\$ -	\$ 590	-	\$ -	\$ -	-	\$ -	\$ -
VTC15066	\$ -	-	\$ -	\$ -	-	\$ -	\$ -	-	\$ -	\$ 107	365	\$ 39,140	\$ -	-	\$ -	\$ 39,140
VTC15067	\$ -	-	\$ -	\$ -	-	\$ -	\$ -	-	\$ -	\$ 57	365	\$ 20,867	\$ -	-	\$ -	\$ 20,867
VTC15068	\$ -	-	\$ -	\$ -	-	\$ -	\$ -	-	\$ -	\$ 22	365	\$ 7,868	\$ -	-	\$ -	\$ 7,868
VTC15069	\$ -	-	\$ -	\$ -	-	\$ -	\$ -	-	\$ -	\$ 22	365	\$ 8,072	\$ -	-	\$ -	\$ 8,072
VTC15070	\$ -	-	\$ -	\$ -	-	\$ -	\$ -	-	\$ -	\$ 71	365	\$ 25,773	\$ -	-	\$ -	\$ 25,773

## Appendix 4: Consumer price index

### Consumers price index

Tradables, non-tradables and all groups – index numbers and percentage changes<sup>(1)(2)</sup>

Base: June 2006 quarter (=1000)

Series ref. CPIQ	Index	Tradables <sup>(3)(4)</sup>		Non-tradables <sup>(5)</sup>			All groups <sup>(3)</sup>			
		Percentage change		Index	Percentage change		Index	Percentage change		
		From previous quarter	From same quarter of previous year		From previous quarter	From same quarter of previous year		From previous quarter	From same quarter of previous year	
SE9NS6000				SE9NS6500			SE9A			
<b>Quarter</b>										
2006	Jun	1000	2.3	3.8	1000	1.0	4.1	1000	1.5	4.0
	Sep	1003	0.3	3.0	1010	1.0	4.0	1007	0.7	3.5
	Dec	990	-1.3	1.2	1018	0.8	3.8	1005	-0.2	2.6
2007	Mar	986	-0.4	0.9	1030	1.2	4.1	1010	0.5	2.5
	Jun	995	0.9	-0.5	1041	1.1	4.1	1020	1.0	2.0
	Sep	1000	0.5	-0.3	1047	0.6	3.7	1025	0.5	1.8
	Dec	1018	1.8	2.8	1054	0.7	3.5	1037	1.2	3.2
2008	Mar	1020	0.2	3.4	1066	1.1	3.5	1044	0.7	3.4
	Jun	1043	2.3	4.8	1076	0.9	3.4	1061	1.6	4.0
	Sep	1063	1.9	6.3	1090	1.3	4.1	1077	1.5	5.1
	Dec	1041	-2.1	2.3	1099	0.8	4.3	1072	-0.5	3.4
2009	Mar	1037	-0.4	1.7	1107	0.7	3.8	1075	0.3	3.0
	Jun	1045	0.8	0.2	1112	0.5	3.3	1081	0.6	1.9
	Sep	1062	1.6	-0.1	1123	1.0	3.0	1095	1.3	1.7
	Dec	1057	-0.5	1.5	1124	0.1	2.3	1093	-0.2	2.0
2010	Mar	1058	0.1	2.0	1130	0.5	2.1	1097	0.4	2.0
	Jun	1055	-0.3	1.0	1137	0.6	2.2	1099	0.2	1.7
	Sep	1065	0.9	0.3	1151	1.2	2.5	1111	1.1	1.5
	Dec	1092	2.5	3.3	1176	2.2	4.6	1137	2.3	4.0
2011	Mar	1097	0.5	3.7	1189	1.1	5.2	1146	0.8	4.5
	Jun	1113	1.5	5.5	1196	0.6	5.2	1157	1.0	5.3
	Sep	1114	0.1	4.6	1203	0.6	4.5	1162	0.4	4.6
	Dec	1104	-0.9	1.1	1205	0.2	2.5	1158	-0.3	1.8
2012	Mar	1100	-0.4	0.3	1219	1.2	2.5	1164	0.5	1.6
	Jun	1101	0.1	-1.1	1225	0.5	2.4	1168	0.3	1.0
	Sep	1101	0.0	-1.2	1231	0.5	2.3	1171	0.3	0.8
	Dec	1093	-0.7	-1.0	1235	0.3	2.5	1169	-0.2	0.9
2013	Mar	1088	-0.5	-1.1	1248	1.1	2.4	1174	0.4	0.9
	Jun	1083	-0.5	-1.6	1256	0.6	2.5	1176	0.2	0.7
	Sep	1096	1.2	-0.5	1265	0.7	2.8	1187	0.9	1.4
	Dec	1090	-0.5	-0.3	1271	0.5	2.9	1188	0.1	1.6
2014	Mar	1082	-0.7	-0.6	1285	1.1	3.0	1192	0.3	1.5
	Jun	1084	0.2	0.1	1290	0.4	2.7	1195	0.3	1.6

1. Percentage changes are calculated from index numbers that are not rounded until the June 2006 quarter.
2. Five decimal places are retained before the June 2006 quarter to preserve percentage changes that were originally published on earlier expression bases.
3. From the September 2006 quarter, prices for fresh fruit and vegetables are not seasonally adjusted. They were seasonally adjusted until the June 2006 quarter.
4. Tradables are goods and services that are imported or are in competition with foreign goods and services, either in domestic or foreign markets.
5. Non-tradables are goods and services that do not face foreign competition.

Source: Statistics New Zealand

$$\Delta CPI_{2015} = \frac{CPI_{Jun,2013} + CPI_{Sep,2013} + CPI_{Dec,2013} + CPI_{Mar,2014}}{CPI_{Jun,2012} + CPI_{Sep,2012} + CPI_{Dec,2012} + CPI_{Mar,2013}} - 1$$

$$\Delta CPI_{2015} = \frac{1176 + 1187 + 1188 + 1192}{1168 + 1171 + 1169 + 1174} - 1,$$

$$\Delta CPI_{2015} = 0.0130$$

## Appendix 5: Pass-through costs

Cost type	Pass-through cost	Period cost relates to			Total for recovery PY2015
		PY2013	PY2014	PY2015	
Rate	Auckland Council	4,560	17,030	11,485	33,075
Rate	Central Hawke's Bay District Council	1,926	7,354	5,330	14,610
Rate	Gisborne District Council	4,313	16,605	12,322	33,240
Rate	Hamilton City Council	266	758	-	1,024
Rate	Hastings District Council	1,529	5,814	4,161	11,504
Rate	Hawke's Bay Regional Council	-	720	-	720
Rate	Horizons Regional Council	5,596	15,930	-	21,526
Rate	Horowhenua District Council	598	1,703	-	2,301
Rate	Hutt City Council	82	470	374	926
Rate	Kaipara District Council	221	837	595	1,653
Rate	Kapiti Coast District Council	737	2,099	-	2,837
Rate	Kawerau District Council	950	3,583	2,500	7,033
Rate	Manawatu District Council	5,753	22,309	16,885	44,948
Rate	Matamata-Piako District Council	2,541	9,657	6,896	19,094
Rate	New Plymouth District Council	10,805	41,442	30,221	82,469
Rate	Opotiki District Council	6,583	26,412	21,831	54,825
Rate	Otorohanga District Council	3,187	3,025	-	6,212
Rate	Palmerston North City Council	3,126	2,909	2,131	8,166
Rate	Porirua City Council	8,216	31,186	-	39,402
Rate	Rangitikei District Council	5,654	21,636	15,773	43,063
Rate	Rotorua District Council	33,919	127,770	88,849	250,538
Rate	South Taranaki District Council	13,715	39,044	-	52,759
Rate	South Waikato District Council	14,915	42,461	-	57,376
Rate	Stratford District Council	7,901	29,987	21,332	59,221
Rate	Taranua District Council	4,342	12,363	-	16,705
Rate	Taupo District Council	2,090	8,425	7,046	17,561
Rate	Tauranga District Council	6,285	12,321	6,033	24,639
Rate	Waikato District Council	40,540	77,356	-	117,897
Rate	Waikato Regional Council	12,720	44,689	32,758	90,167
Rate	Waipa District Council	7,159	20,382	-	27,541
Rate	Waitomo District Council	17,636	67,665	49,701	135,002
Rate	Wanganui District Council	9,606	31,542	11,940	53,088
Rate	Western Bay of Plenty District Council	-	6,467	-	6,467
Rate	Whakatane District Council	8,943	34,928	26,957	70,828
Rate	Whangarei District Council	736	2,783	2,017	5,535
Levy	Electricity and Gas Complaints Commissioner	4,062	15,468	7,364	26,894
Levy	Commerce Commission	130,802	498,386	358,745	987,933
	<b>Sub-total: Rates</b>	<b>247,149</b>	<b>789,663</b>	<b>377,138</b>	<b>1,413,950</b>
	<b>Sub-total: Levies</b>	<b>134,864</b>	<b>513,854</b>	<b>366,109</b>	<b>1,014,827</b>
	<b>Total: Pass-through costs</b>	<b>382,013</b>	<b>1,303,517</b>	<b>743,247</b>	<b>2,428,777</b>

### Notes

1. PY2013 = pricing year 2013, PY2014 = pricing year 2014. PY2015 = pricing year 2015
2. All costs include the time value of money adjustments, which has been calculated in accordance with Equation 5 in Schedule 6 of the Determination.
3. Dates paid are equivalent to the dates for each pricing year to which the costs relate, with the exception of the EGCC levy which is paid annually in April. The total EGCC levy has been apportioned to the relevant pricing period to which it relates.

## Appendix 6: Recoverable costs

Balancing gas is a recoverable cost. There are two components to Balancing Gas, balancing and peaking pool (cash-outs) (BPP), and unaccounted for gas (UFG) which includes the costs associated with UFG.

<b>BPP</b>	Period cost relates to			
	PY2013		PY2014	
	GJ	\$	GJ	\$
<b>Invoices to Vector</b>	16,672	212,891	11,189	461,392
<b>Allocations to Shippers</b>				
Shipper 1	1,745	1,424	707	18,468
Shipper 2	15,739	138,850	30,290	285,405
Shipper 3	4,730	3,616	(1,553)	(1,113)
Shipper 4	(3,253)	(6,538)	(4,215)	(2,742)
Shipper 5	(5,591)	(12,467)	(18,212)	40,888
Shipper 6	(1,031)	2,612	(3,997)	(308)
Shipper 7	(824)	11,703	1,058	26,593
Shipper 8	7,170	56,597	(305)	682
<b>Total unallocated BPP</b>	(2,013)	17,094	7,417	93,519
<b>Time value of money</b>		1,889		5,031
<b>Total recoverable cost</b>		<b>18,982</b>		<b>98,550</b>

<b>UFG</b>	Period cost relates to			
	PY2013		PY2014	
	GJ	\$	GJ	\$
<b>Invoices to Vector</b>	157,000	1,099,000	426,500	2,985,500
<b>Gas used as Fuel Gas</b>	195,677	1,369,739	334,499	2,341,490
<b>Total UFG</b>	(38,677)	(270,739)	92,001	644,010
<b>Admin cost of UFG</b>		717		17,509
<b>Time value of money</b>		(29,836)		35,590
<b>Total recoverable cost</b>		<b>(299,858)</b>		<b>697,109</b>

### Notes

1. PY2013 = pricing year 2013, PY2014 = pricing year 2014, PY2015 = pricing year 2015.
2. The time value of money adjustments have been calculated in accordance with Equation 5 in Schedule 6 of the Determination.
3. Dates paid are equivalent to the dates for each pricing year to which the costs relate.
4. Due to the nature of balancing gas, there was no ascertainable costs that related to PY2015 at the time of setting prices.
5. The negative volume and positive cost for BPP in PY2013 occurs due to each invoice having a different cost per GJ, with Vector incurring both positive and negative costs.
6. Admin costs of UFG are the portion of Fuel Gas transportation costs that relate to UFG.
7. Shipper names have been anonymised due to the commercially sensitive nature of this information.

## Appendix 7: Gas Transmission emergency classification

Classification	Description
Emergency incident	<p>An incident that has a major effect on a Vector gas asset or its ability to supply gas, and may threaten public and/or building safety. Transmission emergency incidents include but are not limited to:</p> <ul style="list-style-type: none"> <li>• Potential or actual gas supply critical contingency</li> <li>• Uncontrolled escape of gas</li> <li>• Any structural damage to a transmission pipeline</li> <li>• Unplanned supply interruption to multiple end users</li> <li>• Off specification gas including under or over odourisation</li> <li>• Significant chemical or odourant spill</li> <li>• Potential or actual serious harm to personnel, public or property</li> <li>• Missing persons</li> <li>• Explosion or fire</li> <li>• Civil Defence emergency (includes natural disaster, civil unrest)</li> <li>• Terrorism</li> <li>• Incident affecting the use of airways, rail or major roadways</li> </ul> <p>This will require:</p> <ul style="list-style-type: none"> <li>• Stakeholder management,</li> <li>• Internal and external notifications, and</li> <li>• A full investigation and review.</li> </ul>

## Appendix 8: Information on price restructures

- 1.1 In Table A below we provide the quantity information corresponding to each price restructured in PY2014. We have included the PY2015 quantity forecast at the time of restructuring prices, and the actual PY2015 quantity.

*Table A: Quantities associated with price restructures from PY2014 in PY2015*

Consumer	Contract Reference	Forecast PY2015 Quantity	Actual PY2015 Quantity
1	VTC15004	T: 2,165,657 C: 2,165,657 O: 0 D: 365	T: 4,857,452 C: 5,011,209 O: 3,000 D: 365
2	VTC15006	T: 147,815 C: 147,815 O: 0 D: 365	T: 160,572 C: 227,016 O: 20,791 D: 365
3	VTC15013	T: 625 C: 625 O: 0 D: 365	T: 2,496 C: 1,834 O: 1,627 D: 365
4*	VTC15033	T: 3,626,486 C: 12,045,000 O: 0 D: 365	T: 4,458,778 C: 12,045,000 O: 0 D: 365
	VTC15034	T: 40,546 C: 40,546 O: 0 D: 365	T: 0 C: 0 O: 0 D: 365
	VTC15035	T: 0 C: 0 O: 0 D: 365	T: 0 C: 0 O: 0 D: 365
5	VTC15026	T: 6,128 C: 27,550 O: 2 D: 365	T: 6,955 C: 27,550 O: 0 D: 365
6	VTC15011	T: 6,781 C: 52,050 O: 2 D: 365	T: 7,646 C: 52,050 O: 0 D: 365

\* VTC15033, VTC15034 and VTC15035 are three contracts that apply to the same consumer;

T=Throughput (GJ), C=Capacity (GJ), O=Overrun (GJ), D=Days

- 1.2 The quantities we forecast ex-ante at the time of restructuring prices differs from the ex-post actual quantities because Vector forecast PY2015 quantities based on the historical quantity information available to us at the time prices were set



in mid-2014. The best information we had available at that time was the quantities for the pricing year ending 2013. We assumed, in the absence of any better information, that quantities would remain constant between 2013 and 2015 for these consumers.

- 1.3 Invariably, consumption across the transmission system for the 2015 pricing year has varied from the 2013 consumption. It is not practicable to explain the causes of the various consumption behaviour changes as these result from individual decisions by each of the 6 non-standard consumers.