



COMPLIANCE STATEMENT

**Gas transmission services:  
Compliance with the wash-up amount  
calculation and quality standards**

Assessment Period 1 October 2018 – 30 September 2019



## Introduction

Firstgas operates 2,500 kilometres of gas transmission pipelines (including the Maui pipeline), and more than 4,600 kilometres of gas distribution pipelines across the North Island. These gas infrastructure assets transport gas from Taranaki to major industrial gas users, electricity generators, businesses and homes, and transport around 20 percent of New Zealand’s primary energy supply. For further information on Firstgas, please visit our website [www.firstgas.co.nz](http://www.firstgas.co.nz).

## Compliance Statement

This document is a Compliance Statement prepared pursuant to section 11.4 – 11.6 of the *Gas Transmission Services Default Price-Quality Path Determination 2017* (DPP Determination) issued by the Commerce Commission on 29 May 2017. This Compliance Statement covers Firstgas’ gas transmission business (GTB) for the year ending 30 September 2019.

The following documents are provided with this Compliance Statement:

- Calculation of the wash-up amount
- Calculations for quality standard compliance
- Director certification
- KPMG assurance report

This Compliance Statement was prepared on 4 December 2019.

## Compliance status for year ending 30 September 2019

Compliance with the requirement to calculate the wash-up amount	Yes
Compliance with quality standard – RTE	Yes
Compliance with quality standard – Major interruptions	Yes

## Further information

For further information regarding this Compliance Statement, please contact:

Karen Collins  
 Regulatory and Policy Manager  
 Firstgas Limited  
[Karen.Collins@firstgas.co.nz](mailto:Karen.Collins@firstgas.co.nz)  
 04 979 5368

**Disclaimer**

For presentation purposes, some numbers in the Compliance Statement have been rounded. This may cause small discrepancies or rounding inconsistencies when aggregating some of the information presented in the Compliance Statement. These discrepancies do not affect the overall compliance calculations which are based on the more detailed information.

## Table of Contents

1. Wash-up amount compliance.....	5
1.1 Determining the wash-up amount .....	5
1.2 Actual allowable revenue .....	5
1.3 Actual Revenue .....	6
1.4 Revenue foregone.....	8
1.5 Compliance with the Price Path .....	9
2. Quality standards compliance .....	10
2.1 Response Time to Emergencies .....	10
2.2 Major Interruptions .....	11
2.3 Policies and procedures .....	11
2.4 Compliance with quality standards .....	11
Appendix 1: Summary of the prices and quantities for the Non-Maui network .....	12
Appendix 2: $P_{i,2019}Q_{i,2019}$ from standard prices for the 2019 Assessment Period .....	13
Appendix 3: $P_{i,2019},Q_{i,2019}$ from non-standard prices for the 2019 Assessment Period .....	16
Appendix 4: Incident data .....	18
Appendix 5: Gas transmission emergency classification .....	20
Appendix 6: Director certificate for compliance .....	21
Appendix 7: Auditor assurance.....	22

## 1. Wash-up amount compliance

Firstgas is pleased to confirm that we have complied with the requirement to calculate the Wash-up Amount in clause 8.4 of the DPP Determination for the Assessment Period from 1 October 2018 to 30 September 2019. This is the second Assessment Period in this DPP period (2017 – 2022).

### 1.1 Determining the wash-up amount

The DPP Determination requires gas transmission businesses (GTB) to calculate the Wash-up Amount for each Assessment Period. This must be calculated in accordance with the following formula, as specified in Schedule 7 of the DPP Determination for the second Assessment Period.:

$$\text{Wash-Up Amount} = \text{Actual allowable revenue} - \text{actual revenue} - \text{revenue forgone}$$

### 1.2 Actual allowable revenue

Actual allowable revenue must be calculated in accordance with the formula:

$$\text{Actual allowable revenue} = \text{Actual net allowable revenue} + \text{actual pass through costs and recoverable costs} + \text{revenue wash-up draw down amount}$$

#### Actual net allowable revenue

As specified in paragraph 5 of Schedule 7 of the DPP Determination, the actual net allowable revenue for the second Assessment Period is calculated using the following formula:

$$\text{Actual net allowable revenue} = \text{Actual net allowable revenue of the previous Assessment Period} \times (1 + \Delta \text{CPI}_t) \times (1 - X)$$

and where

$$\Delta \text{CPI}_t = \frac{\text{CPI}_{\text{Dec},t-1} + \text{CPI}_{\text{Mar},t} + \text{CPI}_{\text{Jun},t} + \text{CPI}_{\text{Sep},t}}{\text{CPI}_{\text{Dec},t-2} + \text{CPI}_{\text{Mar},t-1} + \text{CPI}_{\text{Jun},t-1} + \text{CPI}_{\text{Sep},t-1}} - 1$$

$$X = \text{The annual rate of change, as specified in schedule 2, being zero}$$

$$\text{Actual net allowable revenue 2019} = \$121.596 \text{ million} \times 1.63\% \times (1-0)$$

$$= \$123.575 \text{ million}$$

### Actual pass-through costs and recoverable costs

Actual pass-through and recoverable costs are those that were incurred in this Assessment Period (the year ended 30 September 2019).

**Table 1: Pass-through and Recoverable costs**

Pass-through and Recoverable Costs	Incurred in the year ending 30 September 2019
	\$000
Rates and levies	\$2,226
Balancing gas costs and revenue	(\$3,078)
Mokau Compressor fuel gas costs	637
Capex wash-up adjustment	714
<b>Total actual pass-through costs and recoverable costs</b>	<b>499</b>

### Revenue wash-up draw down amount for the second Assessment Period

Schedule 7 states that for the second Assessment period, the revenue wash-up draw down amount is **nil**.

### Calculation of actual allowable revenue

$$\begin{aligned}
 \text{Actual allowable revenue} &= \$123.575 \text{ million} + \$0.499 \text{ million} + \$0 \\
 &= \mathbf{\$124.074 \text{ million}}
 \end{aligned}$$

### **1.3 Actual Revenue**

For the Assessment Period, GTBs must determine actual revenue as specified in the formula below:

$$\text{Actual Revenue} = \text{Actual revenue from prices} + \text{other regulated income}$$

Where:

*Actual revenue from prices* is the actual revenue from prices calculated as the sum of each price multiplied by each corresponding actual quantity

*Other Regulated income* is income associated with the supply of gas transmission services other than through prices, investment related income, capital contributions and vested assets.

### Firstgas' transmission business

The Firstgas transmission business consists of two pipeline systems – the Maui transmission pipeline and the non-Maui (ex-Vector) transmission pipelines. Each system currently has its own pricing and its own commercial access code – the Maui Pipeline Operating Code (MPOC) and the Vector Transmission Code (VTC).

To calculate the total Actual Revenue from Prices from our GTB, we have added together the Maui Actual Revenue from Prices with the non-Maui pipeline Actual Revenue from Prices.



### Maui transmission pipeline

As announced to customers on 2 August 2018 the prices for the Maui pipeline for the 2018/19 pricing year<sup>1</sup> were as follows:

Tariff	Value for 2018/19
Tariff 1 (\$ per GJ.km)	0.001601
Tariff 2 (\$ per GJ)	0.073132

The Actual Revenue from Prices for the Maui pipeline in 2018/19 was:

Tariff	Actual Quantity	Price	Total (\$million)
Tariff 1	15,136,906,077 GJ.km	\$0.001601 per GJ.km	\$24.234
Tariff 2	141,080,942 GJ	\$0.073132 per GJ	\$10.318
Cash out revenue <sup>2</sup>		\$0.001578 per GJ.km	\$0.000
<b>Actual Revenue from Prices</b>			<b>\$34.552</b>

### Non-Maui transmission pipeline

The actual revenue for the non-Maui pipelines is set out in **Appendix 1**. The prices and quantities for the non-Maui pipeline for the 2018/19 pricing year were released as required under the Vector Transmission Code (VTC) and are attached in **Appendix 2**.

Based on the prices and quantities outlined in **Appendices 1 to 3**, the Actual Revenue from Prices for this Assessment Period on the non-Maui pipeline was **\$93.128 million**.

### Total Actual Revenue from Prices

The total Actual Revenue from Prices is **\$127.680 million**.

$$\begin{aligned}
 \text{Actual Revenue from prices} &= \text{Actual Revenue from Prices (Maui)} + \text{Actual Revenue from Prices (Non-Maui)} \\
 &= \$34.552 \text{ million} + \$93.128 \text{ million} \\
 &= \$127.680 \text{ million}^3
 \end{aligned}$$

### Other regulated income

Firstgas received no other regulated income of the 2018/19 Assessment Period.

<sup>1</sup> The 2018/19 pricing year is for the period 1 October 2018 to 30 September 2019. The pricing year is the same as the Assessment Period.

<sup>2</sup> Cash-out revenue is comprised of two elements: net earnings from the sale/purchase of gas and earnings from transmission revenue associated with these transactions. The transmission revenue element is not included here as it reflects a transaction between Maui and Non-Maui transmission networks managed by First Gas – hence a net zero value for First Gas Transmission. The amount represented here is the net amount earned from external parties. This is equal to the amount earned through the Maui Pipeline Operating Code (MPOC) of (\$0.055million) less the amount charged to First Gas as the operator of the Non-Maui Network under the MPOC that cannot be passed through to Vector Transmission Code customers under the VTC.

<sup>3</sup> Actual revenue is based on quantities relating to the 12-month 2019 pricing period only. It does not include accrued revenue.

### Calculation of actual revenue

$$\begin{aligned} \text{Actual Revenue for 2018/19} &= \$127.680 \text{ million} + \$0 \text{ million} \\ &= \$127.680 \text{ million} \end{aligned}$$

#### 1.4 Revenue foregone

Revenue foregone reflects a cap on the variance between actual revenue received from prices and that forecast to be received by Firstgas when it set prices for the Assessment Period. If actual revenue divided by forecast revenue is more than 20%, the cap is triggered, and revenue is foregone.

For the Assessment Period, GTBs must determine revenue foregone as specified in the formula below:

$$\text{Revenue foregone} = \text{Actual net allowable revenue from prices} \times (\text{revenue reduction percentage} - 20\%)$$

Where:

$$\text{Actual net allowable revenue from prices} = \text{that calculated in section 1.2 above}$$

$$\text{Revenue reduction percentage} = 1 - (\text{actual revenue from prices} \div \text{forecast revenue from prices})$$

### Calculating the revenue reduction percentage

$$\begin{aligned} \text{Revenue reduction percentage} &= 1 - (\text{actual revenue from prices} \div \text{forecast revenue from prices}) \\ &= 1 - (\$127.680 \text{ million} \div 127.888 \text{ million}) \\ &= (2\%) \end{aligned}$$

### Calculating the revenue foregone

As specified in paragraph 8 of Schedule 7, if the revenue reduction percentage is not greater than 20% then the revenue foregone is nil.

Accordingly, the revenue foregone for this Assessment Period is **nil**.

$$\begin{aligned} \text{Revenue foregone} &= \text{Actual net allowable revenue from prices} \times (\text{revenue reduction percentage} - 20\%^4) \\ &= \$123.575 \text{ million} \times 0 \\ &= \$0 \end{aligned}$$



<sup>4</sup> As specified in paragraph 8 of Schedule 6 of the DPP Determination, if the revenue reduction percentage is not greater than 20% then the revenue foregone is nil.



**1.5 Compliance with the Price Path**

Compliance with the DPP Determination requires that the GTB calculate the Wash-up Amount. The Wash-up Amount for this Assessment Period is **(\$3.606) million**.

$$\begin{aligned}\text{Wash-Up Amount (\$million)} &= \text{Actual allowable revenue- actual revenue- revenue forgone} \\ &= \$124.074 - \$127.680 - \$0 \\ &= (\$3.606) \text{ million}\end{aligned}$$

This amount will be passed into prices and back to consumers in the pricing year 1 October 2020 to 30 September 2021.



## 2. Quality standards compliance

We are pleased to confirm that Firstgas has complied with the two quality standards specified in clause 9.1 of the DPP Determination for this Assessment Period.

Compliance with the response time to emergencies standard	Yes
Compliance with major interruptions standard	Yes

### 2.1 Response Time to Emergencies

Clause 9 requires us to provide information on “Response Time to Emergencies” (‘RTE’) relating to incidents and responses that could fall under this clause. The following quality assessment formula is used:

*A GTB’s RTE values for an Assessment Period must be such that the response time to any emergency must be no greater than 180 minutes.*

Emergency is defined in the DPP Determination as follows:

- a) *An incident that has occurred on or in the near vicinity of a GTB’s assets on the transmission network, including leaks, unplanned disruptions of supply, third party damage, near-miss incidents, equipment failure, overpressure, or ignitions; and*
- b) *That should be responded to immediately by the GTB based on Good Industry Practice (GIP).<sup>5</sup>*

**Appendix 4** sets out the recorded events on the transmission pipeline from 1 October 2018 to 30 September 2019. Relevant incidents recorded during this period included one emergency:

- During a routine excavation of pipeline near Waikanae, some damage to the pipeline was found. Initially this was believed to be serious and potentially affecting the integrity of the pipeline. Pressure was reduced in the pipeline while Firstgas personnel investigated. Further review and tests confirmed there were no issues to pipeline integrity and pipeline pressure was returned to normal;
- The event was immediately reported to the Firstgas control room by Firstgas personnel who were on site carrying out the excavation work; and As Firstgas personnel were on site when the event started, the response time between the notification of the event and personnel on site was zero minutes.

#### Exclusion of certain emergencies

No applications were made to the Commerce Commission to consider emergencies exceeding 180 minutes be treated as having complied with the quality standard for that emergency.

#### Calculation of RTE

The number of emergencies where response time exceeded 180 minutes is **nil**. Accordingly, Firstgas is compliant with the RTE quality standard.

---

<sup>5</sup> GIP refers to good industry practice. First Gas adheres to the ‘Guidelines for a Certificate of Fitness of High-Pressure Gas and Liquids Transmission Pipelines’ issued by Worksafe New Zealand and NZ as a basis for good industry practice. When an incident occurs, the operations team immediately determine whether the incident meets the criteria for an emergency. First Gas’ interpretation of emergency reflects that in the DPP. Once the operations duty manager declares an emergency the emergency response process is activated...

## 2.2 Major Interruptions

As specified in paragraph 9.1 of the DPP Determination, a GTB must have no major interruptions in the Assessment Period to be compliant with the quality standard.

A major interruption means any “*declaration of a Critical Contingency caused or contributed to by an incident on the transmission assets owned or controlled by the GTB, which results in curtailment directions being issued in respect of any band beyond band 1.*”

The number of major interruptions in this assessment period is **nil**. Accordingly, Firstgas is compliant with the major interruption quality standard.

## 2.3 Policies and procedures

All GTB integrity data (including RTE) is recorded and compiled by our Gas Control Team at our Gas Transmission Operations Centre at Bell Block 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 our *Gas Transmission Operating Standard – Event logging*.

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 5**. These are consistent with the definition of Emergency in the DPP Determination.

RTE statistics for each emergency event are entered into an information system, and the data is retained for reporting and analysis. Our Gas Control Team completes quality control and remediation work in line with the detailed procedures outline in the Operating Standard mentioned above. RTE performance is monitored by the Gas Control Team, and emergencies are reported to the Firstgas Executive Team, including the time taken to respond.

### **Procedures in the event of a Critical Contingency event**

Firstgas is bound by the *Gas Governance (Critical Contingency Management Regulations 2008) Regulations* that are administered by the Gas Industry Company. Under the regulations, a Critical Contingency Operator (CCO) is appointed. The role of the CCO<sup>6</sup> is to:

- Determine and declare the onset of a critical contingency;
- Call for load curtailment as required to balance the system;
- Monitor the supply and demand balance and adjust load curtailment as necessary; and
- Determine when it is safe to terminate a critical contingency.

While Firstgas is not the CCO, we remain in direct control and management of the transmission system at all times during a critical contingency and activate processes and procedures contained in our critical contingency management plan (CCMP).

Our CCMP is available from the website of the critical contingency operator.<sup>7</sup>

## 2.4 Compliance with quality standards

As illustrated in sections 2.1 and 2.2 of this Compliance Statement, Firstgas has complied with the quality standards for the 2019 Assessment Period.

---

<sup>6</sup> Further information on the critical contingency operator is available from [www.cco.org.nz](http://www.cco.org.nz)

<sup>7</sup> Refer to the *First Gas Critical Contingency Management Plan* available from <http://www.cco.org.nz/Publications/>

**Appendix 1: Summary of the prices and quantities for the Non-Maui network**

	P <sub>i2019</sub> , Q <sub>i2019</sub>
<b>Total</b>	<b>\$ 93,127,708</b>

	P <sub>i2019</sub> , Q <sub>i2019</sub>
Transmission standard published charges between 1 October 2018 and 30 September 2019	\$ 62,970,572
Transmission non-standard charges between 1 October 2018 and 30 September 2019	\$ 25,615,657
Transmission STP charges between 1 October 2018 and 30 September 2019	\$ 3,091,180
Charges billed outside OATIS between 1 October 2018 and 30 September 2019	\$ 1,450,299



## Appendix 2: $P_{i,2019Q_i,2019}$ from standard prices for the 2019 Assessment Period

$P_{i,2019,Q_i,2019}$

<b>Revenue from standard prices</b>	<b>\$</b>	<b>62,970,572</b>
-------------------------------------	-----------	-------------------

Type	Contract	Unit	Receipt Point ID	Delivery Point	Delivery Point ID	Zone	Quantity	Price	Total
Standard	TSA	GJ	Various	Various	Various	N/A	40,201,361.89	\$ 0.05	\$ 2,010,068
Standard	TSA	MDQ	OFF 16601	Huntly	HTL16601	N/A	65,863.22	\$ 356.00	\$ 64,239
Standard	TSA	MDQ	KAP09008	Eiham	ELM12301	N/A	230,103.28	\$ 81.00	\$ 51,064
Standard	TSA	MDQ	KAP09008	Inglewood	IGW11901	N/A	48,175.17	\$ 81.00	\$ 10,691
Standard	TSA	MDQ	KAP09008	Kaponga	KPA12401	N/A	2,622.53	\$ 81.00	\$ 582
Standard	TSA	MDQ	KAP09008	New Plymouth	NPL12101	N/A	1,091,426.58	\$ 81.00	\$ 242,207
Standard	TSA	MDQ	KAP09008	Stratford	STR10201	N/A	101,841.19	\$ 81.00	\$ 22,600
Standard	TSA	MDQ	KAP09008	Waitara	WTR12001	N/A	131,289.47	\$ 81.00	\$ 29,135
Standard	TSA	MDQ	KAP09004	Ashhurst	ASH34301	N/A	10,175.84	\$ 345.00	\$ 9,618
Standard	TSA	MDQ	KAP09004	Belmont	BEL24510	N/A	2,055,811.22	\$ 427.00	\$ 2,405,018
Standard	TSA	MDQ	KAP09004	Dannevirke	DAN05001	N/A	61,459.83	\$ 356.00	\$ 59,944
Standard	TSA	MDQ	KAP09004	Feilding	FLD03001	N/A	288,593.50	\$ 345.00	\$ 272,780
Standard	TSA	MDQ	KAP09004	Flockhouse	FLH21901	N/A	222.65	\$ 345.00	\$ 210
Standard	TSA	MDQ	KAP09004	Foxton	FOX22101	N/A	51,973.66	\$ 345.00	\$ 49,126
Standard	TSA	MDQ	KAP09004	Greater Waitanguru	GTW06910	N/A	451,007.08	\$ 427.00	\$ 527,616
Standard	TSA	MDQ	KAP09004	Hastings	HST05210	N/A	2,511,824.54	\$ 356.00	\$ 2,448,889
Standard	TSA	MDQ	KAP09004	Hastings (Nova)	HST05203	N/A	299,408.16	\$ 356.00	\$ 292,025
Standard	TSA	MDQ	KAP09004	Hawera	HWA20801	N/A	500,471.99	\$ 335.00	\$ 459,337
Standard	TSA	MDQ	KAP09004	Hawera (Nova)	HW A20802	N/A	118,990.00	\$ 335.00	\$ 109,210
Standard	TSA	MDQ	KAP09004	Kairanga	KRG24101	N/A	110.60	\$ 345.00	\$ 105
Standard	TSA	MDQ	KAP09004	Kaitoke	KTk23901	N/A	28,607.81	\$ 335.00	\$ 26,256
Standard	TSA	MDQ	KAP09004	Kakariki	KKI23701	N/A	98,185.00	\$ 335.00	\$ 90,115
Standard	TSA	MDQ	KAP09004	Kuku	KUK22401	N/A	870.38	\$ 345.00	\$ 823
Standard	TSA	MDQ	KAP09004	Lake Alice	LAB20201	N/A	75,639.58	\$ 335.00	\$ 69,423
Standard	TSA	MDQ	KAP09004	Levin	LVN24401	N/A	372,099.30	\$ 345.00	\$ 351,710
Standard	TSA	MDQ	KAP09004	Longburn	LNB24301	N/A	273,949.60	\$ 345.00	\$ 258,939
Standard	TSA	MDQ	KAP09004	Manaia	MNA23402	N/A	30,640.72	\$ 335.00	\$ 28,122
Standard	TSA	MDQ	KAP09004	Mangaroa	MNG34001	N/A	27,295.07	\$ 356.00	\$ 26,622
Standard	TSA	MDQ	KAP09004	Mangatainoka	MGK05401	N/A	10,950.00	\$ 345.00	\$ 10,350
Standard	TSA	MDQ	KAP09004	Marton	MTN23801	N/A	341,313.36	\$ 335.00	\$ 313,260
Standard	TSA	MDQ	KAP09004	Matapu	MTP20601	N/A	554.80	\$ 335.00	\$ 509
Standard	TSA	MDQ	KAP09004	Okaiawa	OKW23401	N/A		\$ 335.00	\$
Standard	TSA	MDQ	KAP09004	Oroua Downs	ORD24701	N/A	10,234.60	\$ 345.00	\$ 9,674
Standard	TSA	MDQ	KAP09004	Otaki	OTA22601	N/A	24,685.28	\$ 427.00	\$ 28,878
Standard	TSA	MDQ	KAP09004	Pahiatua	PHT04901	N/A	23,271.74	\$ 345.00	\$ 21,997
Standard	TSA	MDQ	KAP09004	Pahiatua DF	PHT04902	N/A	616,930.00	\$ 345.00	\$ 583,126
Standard	TSA	MDQ	KAP09004	Palmerston North	PLN24201	N/A	1,285,417.43	\$ 345.00	\$ 1,196,079
Standard	TSA	MDQ	KAP09004	Paraparumu	PAU20101	N/A	236,034.09	\$ 427.00	\$ 276,128
Standard	TSA	MDQ	KAP09004	Patea	PTA20901	N/A	31,435.80	\$ 335.00	\$ 28,852
Standard	TSA	MDQ	KAP09004	Pauatahanui 2	PAH23101	N/A	3,487.58	\$ 427.00	\$ 4,080
Standard	TSA	MDQ	KAP09004	Takapau	TKP05101	N/A	173,792.60	\$ 356.00	\$ 169,507
Standard	TSA	MDQ	KAP09004	Tawa A	TWA35610	N/A	3,058,821.48	\$ 427.00	\$ 3,578,402
Standard	TSA	MDQ	KAP09004	Tawa B (Nova)	TWB24810	N/A	372,070.00	\$ 427.00	\$ 435,271
Standard	TSA	MDQ	KAP09004	Te Horo	THO22701	N/A	954.48	\$ 427.00	\$ 1,117
Standard	TSA	MDQ	KAP09004	Waikanae 2	WAK22802	N/A	76,398.22	\$ 427.00	\$ 89,375
Standard	TSA	MDQ	KAP09004	Waitotara	WTT20301	N/A	45,052.20	\$ 335.00	\$ 41,349
Standard	TSA	MDQ	KAP09004	Wanganui	WAG21501	N/A	1,532,322.99	\$ 335.00	\$ 1,406,379
Standard	TSA	MDQ	KAP09004	Waverley	WVY23601	N/A	738.03	\$ 335.00	\$ 677
Standard	TSA	MDQ	OFF 14501	Ngaruawahia	NGW14501	N/A	7,411.72	\$ 356.00	\$ 7,229
Standard	TSA	MDQ	OFF 16701	Oakura	OKU16701	N/A	15,130.43	\$ 81.00	\$ 3,358
Standard	TSA	MDQ	OFF 13201	Okato	OKA13201	N/A	3,666.79	\$ 81.00	\$ 814
Standard	TSA	MDQ	OFF 13001	Opunake	OPK13001	N/A	15,668.28	\$ 81.00	\$ 3,477
Standard	TSA	MDQ	OFF 14101	Otorohanga	OTO14101	N/A	16,971.57	\$ 356.00	\$ 16,553
Standard	TSA	MDQ	OFF 31101	Prongia	PIR31101	N/A	2,714.89	\$ 356.00	\$ 2,648
Standard	TSA	MDQ	OFF 31101	Te Awamutu DF	TAC31001	N/A	690,503.42	\$ 356.00	\$ 673,477
Standard	TSA	MDQ	PKU02308	Broadlands	BRO36301	N/A	78,805.00	\$ 457.00	\$ 98,668
Standard	TSA	MDQ	PKU02308	Edgecumbe	EGC30702	N/A	2,808.12	\$ 478.00	\$ 3,677
Standard	TSA	MDQ	PKU02308	Edgecumbe DF	EGC30701	N/A	1,437,358.44	\$ 478.00	\$ 1,882,349
Standard	TSA	MDQ	PKU02308	Gisborne	GIS07810	N/A	642,233.27	\$ 498.00	\$ 876,253
Standard	TSA	MDQ	PKU02308	Greater Mt Maunganui	GMM08001	N/A	936,858.27	\$ 437.00	\$ 1,121,663
Standard	TSA	MDQ	PKU02308	Greater Tauranga	GTT07701	N/A	393,423.51	\$ 437.00	\$ 471,030
Standard	TSA	MDQ	PKU02308	Kawerau	KAW04405	N/A	14,733.38	\$ 457.00	\$ 18,447
Standard	TSA	MDQ	PKU02308	Kawerau (ex-Caxton)	KAW04410	N/A	238,253.26	\$ 457.00	\$ 298,306
Standard	TSA	MDQ	PKU02308	Kawerau (ex-Tasman)	KAW04411	N/A	666,091.58	\$ 457.00	\$ 833,983
Standard	TSA	MDQ	PKU02308	Kihikihi (Te Awamutu)	KIH19101	N/A	102,850.34	\$ 356.00	\$ 100,314
Standard	TSA	MDQ	PKU02308	Kinleith	KIN02601	N/A	54,656.08	\$ 356.00	\$ 53,308
Standard	TSA	MDQ	PKU02308	Kinleith (CHH mill)	KIN04310	N/A	4,687,167.04	\$ 356.00	\$ 4,571,593
Standard	TSA	MDQ	PKU02308	Lichfield 2	LCF20011	N/A	333,056.00	\$ 0.98	\$ 324,844
Standard	TSA	MDQ	PKU02308	Lichfield DF	LCF20010	N/A	588,019.00	\$ 356.00	\$ 573,520
Standard	TSA	MDQ	PKU02308	Okoroire Springs	OKS32801	N/A	1,538.84	\$ 356.00	\$ 1,501
Standard	TSA	MDQ	PKU02308	Opotiki	OPO32001	N/A	22,523.73	\$ 498.00	\$ 30,731
Standard	TSA	MDQ	PKU02308	Putaruru	PTR32601	N/A	132,535.87	\$ 356.00	\$ 129,268
Standard	TSA	MDQ	PKU02308	Rangiorua	RAG33401	N/A	85,274.65	\$ 437.00	\$ 102,096
Standard	TSA	MDQ	PKU02308	Reporoa	RPR30801	N/A	604,945.29	\$ 457.00	\$ 757,425
Standard	TSA	MDQ	PKU02308	Rotorua	ROT08101	N/A	535,270.73	\$ 457.00	\$ 670,188
Standard	TSA	MDQ	PKU02308	Taupou	TAU07001	N/A	190,307.37	\$ 457.00	\$ 238,275
Standard	TSA	MDQ	PKU02308	Te Puke	TPK33301	N/A	46,370.60	\$ 437.00	\$ 55,518
Standard	TSA	MDQ	PKU02308	Te Teko	TTK30601	N/A	6,153.17	\$ 478.00	\$ 8,058
Standard	TSA	MDQ	PKU02308	Tirau	TIR33502	N/A	8,260.32	\$ 356.00	\$ 8,057
Standard	TSA	MDQ	PKU02308	Tirau DF	TIR33501	N/A	509,301.76	\$ 356.00	\$ 496,744
Standard	TSA	MDQ	PKU02308	Tokoroa	TKR19701	N/A	178,134.15	\$ 356.00	\$ 173,742



Type	Contract	Unit	Receipt Point ID	Delivery Point	Delivery Point ID	Zone	Quantity	Price	Total
Standard	TSA	MDQ	PKU02308	Waikeria	WKE19201	N/A	37,761.60	\$ 356.00	\$ 36,830
Standard	TSA	MDQ	PKU02308	Whakatane	WHK32101	N/A	98,361.92	\$ 478.00	\$ 128,814
Standard	TSA	MDQ	OFF 15901	Pungarehu No 1	PGU13101	N/A	104.37	\$ 81.00	\$ 23
Standard	TSA	MDQ	OFF 15901	Pungarehu No 2	PGH15901	N/A	841.34	\$ 81.00	\$ 187
Standard	TSA	MDQ	RTW3203	Alfriston	ALF15501	N/A	7,300.00	\$ 345.00	\$ 6,900
Standard	TSA	MDQ	RTW3203	Drury 1	DRU15101	N/A	356,245.57	\$ 345.00	\$ 336,725
Standard	TSA	MDQ	RTW3203	Flat Bush	FLB15601	N/A	625,245.00	\$ 345.00	\$ 590,985
Standard	TSA	MDQ	RTW3203	Glenbrook	GLB03401	N/A	2,457,200.00	\$ 345.00	\$ 2,322,559
Standard	TSA	MDQ	RTW3203	Greater Auckland	GTA03610	N/A	16,132,854.25	\$ 345.00	\$ 15,248,862
Standard	TSA	MDQ	RTW3203	Harrisville 2	HAR11802	N/A	552,847.28	\$ 345.00	\$ 522,554
Standard	TSA	MDQ	RTW3203	Hunua	HUN15301	N/A	140,525.00	\$ 345.00	\$ 132,825
Standard	TSA	MDQ	RTW3203	Hunua (Nova)	HUN15302	N/A	164,250.00	\$ 345.00	\$ 155,250
Standard	TSA	MDQ	RTW3203	Hunua 3	HUN15303	N/A	160,600.00	\$ 345.00	\$ 151,800
Standard	TSA	MDQ	RTW3203	Kingseat	KIG16801	N/A	470.85	\$ 345.00	\$ 445
Standard	TSA	MDQ	RTW3203	Marsden 2	MSD01802	N/A	15,937.92	\$ 525.00	\$ 22,924
Standard	TSA	MDQ	RTW3203	Pukekohe	PUK04201	N/A	127,463.11	\$ 345.00	\$ 120,479
Standard	TSA	MDQ	RTW3203	Ramarama	RAM15201	N/A	29,882.55	\$ 345.00	\$ 28,245
Standard	TSA	MDQ	RTW3203	Tuakau 2	TUK06502	N/A	1,044,113.08	\$ 345.00	\$ 986,901
Standard	TSA	MDQ	RTW3203	Waitoki	WTK33901	N/A	229,462.53	\$ 345.00	\$ 216,889
Standard	TSA	MDQ	RTW3203	Warkworth	WRK18901	N/A	22,662.40	\$ 525.00	\$ 32,597
Standard	TSA	MDQ	RTW3203	Wellsford	WEL18301	N/A	1,676.81	\$ 525.00	\$ 2,412
Standard	TSA	MDQ	RTW3203	Whangarei	WHG07501	N/A	180,198.04	\$ 525.00	\$ 259,189
Standard	TSA	MDQ	RTS13201	Greater Hamilton	GTH11301	N/A	2,376,954.92	\$ 165.00	\$ 1,074,514
Standard	TSA	MDQ	TEK28701	Cambridge	CAM17201	N/A	684,362.94	\$ 356.00	\$ 667,488
Standard	TSA	MDQ	TEK28701	Horotiu	HRU16101	N/A	511,115.90	\$ 356.00	\$ 498,513
Standard	TSA	MDQ	TEK28701	Kiwitahi 1 (Peroxide)	KIW34201	N/A	365,000.00	\$ 356.00	\$ 356,000
Standard	TSA	MDQ	TEK28701	Kiwitahi 2	KIW34202	N/A	23,434.40	\$ 356.00	\$ 22,857
Standard	TSA	MDQ	TEK28701	Matangi	MTG17301	N/A	969.65	\$ 356.00	\$ 946
Standard	TSA	MDQ	TEK28701	Morrinsville	MRV16302	N/A	77,433.94	\$ 356.00	\$ 75,525
Standard	TSA	MDQ	TEK28701	Morrinsville DF	MRV16301	N/A	332,726.01	\$ 356.00	\$ 324,522
Standard	TSA	MDQ	TEK28701	Tatuanui DF	TAT16401	N/A	-	\$ 356.00	\$ -
Standard	TSA	MDQ	TEK28701	Waitoa	WTA16501	N/A	529,099.07	\$ 356.00	\$ 516,053
Standard	TSA	MDQ	OFF 17001	Te Kuiti North	TKN17001	N/A	41,661.49	\$ 356.00	\$ 40,634
Standard	TSA	MDQ	OFF 17401	Te Kuiti South	TKS17401	N/A	323,183.85	\$ 356.00	\$ 315,215
Standard	TSA	OR	OFF 16601	Huntly	HTL16601	No Zone	736.58	\$ 9.75	\$ 7,184
Standard	TSA	OR	KAP09008	Eiltham	ELM12301	No Zone	856.76	\$ 2.22	\$ 1,901
Standard	TSA	OR	KAP09008	Inglewood	IGW11901	No Zone	354.03	\$ 2.22	\$ 786
Standard	TSA	OR	KAP09008	Kaponga	KPA12401	No Zone	34.90	\$ 2.22	\$ 77
Standard	TSA	OR	KAP09008	Stratford	STR10201	No Zone	12,632.08	\$ 2.22	\$ 28,033
Standard	TSA	OR	KAP09004	Dannevirke	DAN05001	No Zone	4,637.35	\$ 9.75	\$ 45,230
Standard	TSA	OR	KAP09004	Foxton	FOX22101	No Zone	1,386.67	\$ 9.45	\$ 13,107
Standard	TSA	OR	KAP09004	Kaitoke	KTK23901	No Zone	20.05	\$ 9.18	\$ 184
Standard	TSA	OR	KAP09004	Kakariki	KKI23701	No Zone	1,352.02	\$ 9.18	\$ 12,409
Standard	TSA	OR	KAP09004	Kuku	KUK22401	No Zone	150.39	\$ 9.45	\$ 1,421
Standard	TSA	OR	KAP09004	Lake Alice	LAB20201	No Zone	167.47	\$ 9.18	\$ 1,537
Standard	TSA	OR	KAP09004	Levin	LVN24401	No Zone	3,031.49	\$ 9.45	\$ 28,654
Standard	TSA	OR	KAP09004	Mangaroa	MNG34001	No Zone	103.18	\$ 9.75	\$ 1,006
Standard	TSA	OR	KAP09004	Mangatainoka	MGK05401	No Zone	-	\$ 9.75	\$ -
Standard	TSA	OR	KAP09004	Marton	MTN23801	No Zone	362.33	\$ 9.18	\$ 3,325
Standard	TSA	OR	KAP09004	Matapu	MTP20601	No Zone	182.90	\$ 9.18	\$ 1,679
Standard	TSA	OR	KAP09004	Pahiatua	PHT04901	No Zone	821.76	\$ 9.45	\$ 7,767
Standard	TSA	OR	KAP09004	Pahiatua DF	PHT04902	No Zone	1,938.91	\$ 9.45	\$ 18,327
Standard	TSA	OR	KAP09004	Palmerston North	PLN24201	No Zone	7,554.76	\$ 9.45	\$ 71,408
Standard	TSA	OR	KAP09004	Patea	PTA20901	No Zone	50.56	\$ 9.18	\$ 464
Standard	TSA	OR	KAP09004	Takapua	TKP05101	No Zone	117.45	\$ 9.75	\$ 1,146
Standard	TSA	OR	KAP09004	Waifotara	WTT20301	No Zone	3.94	\$ 9.18	\$ 36
Standard	TSA	OR	KAP09004	Wanganui	WAG21501	No Zone	3,392.04	\$ 9.18	\$ 31,132
Standard	TSA	OR	KAP09004	Waverley	WVY23601	No Zone	13.29	\$ 9.18	\$ 122
Standard	TSA	OR	OFF 14501	Ngaruawahia	NGW14501	No Zone	59.97	\$ 9.75	\$ 585
Standard	TSA	OR	None	None	None	Auckland Zone	21,398.69	\$ 9.45	\$ 202,262
Standard	TSA	OR	None	None	None	Edgecumbe Zone	3,598.54	\$ 13.10	\$ 47,126
Standard	TSA	OR	None	None	None	Hastings Zone	9,399.12	\$ 9.75	\$ 91,674
Standard	TSA	OR	None	None	None	Hawera Zone	4,298.07	\$ 9.18	\$ 39,448
Standard	TSA	OR	None	None	None	Kawerau Zone	2,121.65	\$ 12.52	\$ 26,564
Standard	TSA	OR	None	None	None	Kinleith Zone	30,070.20	\$ 9.75	\$ 293,287
Standard	TSA	OR	None	None	None	Kiwitahi Zone	103.65	\$ 9.75	\$ 1,011
Standard	TSA	OR	None	None	None	Manawatu Zone	3,375.17	\$ 9.45	\$ 31,902
Standard	TSA	OR	None	None	None	Marsden	902.53	\$ 14.38	\$ 12,982
Standard	TSA	OR	None	None	None	Morrinsville Zone	2,041.67	\$ 9.75	\$ 19,913
Standard	TSA	OR	None	None	None	New Plymouth Zone	4,657.87	\$ 2.22	\$ 10,337
Standard	TSA	OR	None	None	None	Okaiawa-Manaia Zone	1,202.86	\$ 9.18	\$ 11,040
Standard	TSA	OR	None	None	None	South Auckland Rural Zone	9,127.00	\$ 9.45	\$ 86,269
Standard	TSA	OR	None	None	None	Tirau Zone	7,676.34	\$ 9.75	\$ 74,871
Standard	TSA	OR	None	None	None	Wellington Zone	23,472.57	\$ 11.70	\$ 274,597
Standard	TSA	OR	None	None	None	Western BayOfPlenty Zone	8,283.85	\$ 11.97	\$ 99,179
Standard	TSA	OR	OFF 16701	Oakura	OKU16701	No Zone	1,032.42	\$ 2.22	\$ 2,291
Standard	TSA	OR	OFF 13201	Okato	OKA13201	No Zone	133.86	\$ 2.22	\$ 297
Standard	TSA	OR	OFF 13001	Opunake	OPK13001	No Zone	82.97	\$ 2.22	\$ 184
Standard	TSA	OR	OFF 14101	Otorohanga	OTO14101	No Zone	1,659.84	\$ 9.75	\$ 16,189
Standard	TSA	OR	OFF 31101	Pirongia	PIR31101	No Zone	95.81	\$ 9.75	\$ 934
Standard	TSA	OR	OFF 31101	Te Awamutu DF	TAC31001	No Zone	13,322.93	\$ 9.75	\$ 129,944
Standard	TSA	OR	PKU02308	Broadlands	BRO36301	No Zone	477.95	\$ 12.52	\$ 5,984
Standard	TSA	OR	PKU02308	Gisborne	GIS07810	No Zone	3,048.96	\$ 13.64	\$ 41,600
Standard	TSA	OR	PKU02308	Kihikihi (Te Awamutu)	KIH19101	No Zone	13,894.42	\$ 9.75	\$ 135,518
Standard	TSA	OR	PKU02308	Lichfield 2	LCF20011	No Zone	7,906.89	\$ 9.75	\$ 77,119
Standard	TSA	OR	PKU02308	Lichfield DF	LCF20010	No Zone	767.23	\$ 9.75	\$ 7,483
Standard	TSA	OR	PKU02308	Okoroire Springs	OKS32801	No Zone	52.71	\$ 9.75	\$ 514
Standard	TSA	OR	PKU02308	Opotiki	OPO32001	No Zone	130.35	\$ 13.64	\$ 1,778
Standard	TSA	OR	PKU02308	Putaruru	PTR32601	No Zone	917.35	\$ 9.75	\$ 8,947



Type	Contract	Unit	Receipt Point ID	Delivery Point	Delivery Point ID	Zone	Quantity	Price	Total
Standard	TSA	OR	PKU02308	Rangioru	RAG33401	No Zone	7,440.81	\$ 11.97	\$ 89,086
Standard	TSA	OR	PKU02308	Reporoa	RPR30801	No Zone	3,881.95	\$ 12.52	\$ 48,604
Standard	TSA	OR	PKU02308	Rotorua	ROT08101	No Zone	10,276.91	\$ 12.52	\$ 128,673
Standard	TSA	OR	PKU02308	Taupo	TAU07001	No Zone	616.30	\$ 12.52	\$ 7,716
Standard	TSA	OR	PKU02308	Te Teko	TTK30601	No Zone	2,123.27	\$ 13.10	\$ 27,806
Standard	TSA	OR	PKU02308	Tokoroa	TKR19701	No Zone	1,732.02	\$ 9.75	\$ 16,893
Standard	TSA	OR	PKU02308	Waikeria	WKE19201	No Zone	107.72	\$ 9.75	\$ 1,051
Standard	TSA	OR	PKU02308	Whakatane	WHK32101	No Zone	308.31	\$ 13.10	\$ 4,038
Standard	TSA	OR	OFF15901	Pungarehu No 1	PGU13101	No Zone	22.67	\$ 2.22	\$ 50
Standard	TSA	OR	OFF15901	Pungarehu No 2	PGH15901	No Zone	18.61	\$ 2.22	\$ 41
Standard	TSA	OR	RTW3203	Glenbrook	GLB03401	No Zone	63,596.32	\$ 9.45	\$ 601,116
Standard	TSA	OR	RTW3203	Warkworth	WRK18901	No Zone	2,716.29	\$ 14.38	\$ 39,070
Standard	TSA	OR	RTW3203	Wellsford	WEL18301	No Zone	52.13	\$ 14.38	\$ 750
Standard	TSA	OR	RTW3203	Whangarei	WHG07501	No Zone	441.94	\$ 14.38	\$ 6,357
Standard	TSA	OR	RTS13201	Greater Hamilton	GTH11301	No Zone	4,818.51	\$ 4.52	\$ 21,782
Standard	TSA	OR	TEK28701	Cambridge	CAM17201	No Zone	1,960.15	\$ 9.75	\$ 19,118
Standard	TSA	OR	TEK28701	Horotiu	HRU16101	No Zone	4,700.13	\$ 9.75	\$ 45,842
Standard	TSA	OR	TEK28701	Matangi	MTG17301	No Zone	167.16	\$ 9.75	\$ 1,630
Standard	TSA	OR	TEK28701	Tatuanui DF	TAT16401	No Zone	-	\$ 9.75	\$ -
Standard	TSA	OR	TEK28701	Waitoa	WTA16501	No Zone	8,110.42	\$ 9.75	\$ 79,104
Standard	TSA	OR	OFF17001	Te Kuiti North	TKN17001	No Zone	205.74	\$ 9.75	\$ 2,007
Standard	TSA	OR	OFF17401	Te Kuiti South	TKS17401	No Zone	1,190.85	\$ 9.75	\$ 11,615
Standard	TSA	GJ	KAP09008	Pokuru 2 Delivery	PKD02402	N/A	15,264.15	\$ 0.04	\$ 544
Standard	TSA	GJ	KAP09008	Pokuru 2 Delivery	PKD02402	N/A	114,777.42	\$ 0.12	\$ 13,572
Standard	TSA	GJ	F4000439	Ballance 8201	BAL08201	N/A	2,936,385.97	\$ 0.29	\$ 851,552
Standard	TSA	GJ	F4000439	Ballance 9626	BAL09626	N/A	3,474,228.00	\$ 0.29	\$ 1,007,526



### Appendix 3: Pi,2019,Q,i2019 from non-standard prices for the 2019 Assessment Period

Pi2019, Qi2019

Revenue from non-standard prices \$ 25,615,657

Contract ID	Unit	Receipt Point ID	Delivery Point	Delivery Point ID	Zone	Quantity	Price	Total
FGL17001	DAY	RTW3203	Greater Auckland	GTA03610	N/A	365	219.86	\$ 80,248.50
FGL17001	OR	RTW3203	Greater Auckland	GTA03610	N/A	-	9.45	\$ -
FGL17001	GJ	RTW3203	Greater Auckland	GTA03610	N/A	294,394	0.41	\$ 121,996.81
FGL17001	MDQ	RTW3203	Greater Auckland	GTA03610	N/A	511,365	-	\$ -
FGL17004	DAY	PKU02308	Te Puke	TPK33301	N/A	365	95.31	\$ 34,788.08
FGL17004	OR	PKU02308	Te Puke	TPK33301	N/A	-	11.41	\$ -
FGL17004	GJ	PKU02308	Te Puke	TPK33301	N/A	5,648	0.05	\$ 282.40
FGL17004	MDQ	PKU02308	Te Puke	TPK33301	N/A	30,450	-	\$ -
FGL17031	DAY	RTW3203	Greater Auckland	GTA03610	N/A	365	696.90	\$ 254,368.00
FGL17031	OR	RTW3203	Greater Auckland	GTA03610	N/A	-	4.39	\$ -
FGL17031	MDQ	RTW3203	Greater Auckland	GTA03610	N/A	584,000	-	\$ -
FGL17007	Other	KAP09004	Hastings (Nova)	HST05203	N/A	12	150.00	\$ 1,800.00
FGL17008	Other	KAP09004	Hawera (Nova)	HWA20802	N/A	12	75.00	\$ 900.00
FGL17009	Other	RTW3203	Hunua (Nova)	HUN15302	N/A	12	101.25	\$ 1,215.00
FGL17010	GJ	KAP09008	Pokuru 2 Delivery	PKD02402	N/A	5,393,786	0.37	\$ 1,995,700.82
FGL17010	MDQ	KAP09008	Pokuru 2 Delivery	PKD02402	N/A	5,393,786	-	\$ -
FGL17010	OR	KAP09008	Pokuru 2 Delivery	PKD02402	N/A	-	-	\$ -
FGL17011	DAY	RTW3203	Northland Dairy Factories	NDF33601	N/A	365	5,009.15	\$ 1,828,340.81
FGL17011	OR	RTW3203	Northland Dairy Factories	NDF33601	N/A	-	14.20	\$ -
FGL17011	GJ	RTW3203	Northland Dairy Factories	NDF33601	N/A	1,006,237	0.06	\$ 58,880.22
FGL17011	MDQ	RTW3203	Northland Dairy Factories	NDF33601	N/A	5,393,786	-	\$ -
FGL17034	DAY	F4000439	Kapuni GTP	KAP09612	N/A	365	20.61	\$ 7,522.65
FGL17012	MDQ	KUP37501	Frankley Road-Bi	F4000439	N/A	2,244,123	0.29	\$ 650,795.67
FGL17012	GJ	KUP37501	Frankley Road-Bi	F4000439	N/A	2,244,123	-	\$ -
FGL17012	OR	KUP37501	Frankley Road-Bi	F4000439	N/A	11,679	2.29	\$ 26,744.91
FGL17037	DAY	PKU02308	Lichfield 2	LCF20011	N/A	92	3,803.84	\$ 349,952.88
FGL17037	OR	PKU02308	Lichfield 2	LCF20011	N/A	18	9.75	\$ 171.08
FGL17037	GJ	PKU02308	Lichfield 2	LCF20011	N/A	321,022	0.05	\$ 16,051.12
FGL17037	MDQ	PKU02308	Lichfield 2	LCF20011	N/A	358,800	-	\$ -
FGL17013	DAY	PKU02308	Kihikihi (Te Awamutu)	KIH19101	N/A	365	51.25	\$ 18,706.16
FGL17013	OR	PKU02308	Kihikihi (Te Awamutu)	KIH19101	N/A	15	9.04	\$ 133.25
FGL17013	GJ	PKU02308	Kihikihi (Te Awamutu)	KIH19101	N/A	8,694	0.05	\$ 434.72
FGL17013	MDQ	PKU02308	Kihikihi (Te Awamutu)	KIH19101	N/A	44,050	-	\$ -
FGL17014	DAY	KAP09004	Pahiatua DF	PHT04902	N/A	92	3,434.88	\$ 316,008.66
FGL17014	OR	KAP09004	Pahiatua DF	PHT04902	N/A	-	9.45	\$ -
FGL17014	GJ	KAP09004	Pahiatua DF	PHT04902	N/A	283,703	0.05	\$ 14,185.16
FGL17014	MDQ	KAP09004	Pahiatua DF	PHT04902	N/A	334,328	-	\$ -
FGL17015	MDQ	KAP09004	Hastings	HST05210	N/A	300,817	0.69	\$ 207,563.73
FGL17015	GJ	KAP09004	Hastings	HST05210	N/A	163,525	-	\$ -
FGL17015	OR	KAP09004	Hastings	HST05210	N/A	4,777	9.18	\$ 43,851.30
FGL17016	MDQ	RTW3203	Marsden 1	MSD01801	N/A	8,500	0.98	\$ 8,330.00
FGL17016	GJ	RTW3203	Marsden 1	MSD01801	N/A	2,503	-	\$ -
FGL17016	OR	RTW3203	Marsden 1	MSD01801	N/A	726	14.33	\$ 10,403.58
FGL17036	DAY	RTW3203	Marsden 1	MSD01801	N/A	365	20,602.28	\$ 7,519,833.96
FGL17036	OR	RTW3203	Marsden 1	MSD01801	N/A	-	14.23	\$ -
FGL17036	GJ	RTW3203	Marsden 1	MSD01801	N/A	3,929,371	0.06	\$ 243,228.06
FGL17036	MDQ	RTW3203	Marsden 1	MSD01801	N/A	5,285,800	-	\$ -
FGL17017	OR	KAP09004	Mokoia	MOK35801	N/A	453	8.35	\$ 3,782.55
FGL17017	GJ	KAP09004	Mokoia	MOK35801	N/A	2,963	1.02	\$ 3,022.26
FGL17017	MDQ	KAP09004	Mokoia	MOK35801	N/A	109,500	-	\$ -
FGL17018	DAY	RTW3203	Warkworth	WRK18901	N/A	365	659.92	\$ 240,870.00
FGL17018	OR	RTW3203	Warkworth	WRK18901	N/A	-	14.38	\$ -
FGL17018	GJ	RTW3203	Warkworth	WRK18901	N/A	225,633	0.54	\$ 121,842.06
FGL17018	MDQ	RTW3203	Warkworth	WRK18901	N/A	547,500	-	\$ -
FGL17021	Other	F4000439	Stratford 2	STR00521	N/A	365	37.25	\$ 13,597.97
FGL17022	DAY	F4000439	Stratford 2	STR00521	N/A	365	4,967.30	\$ 1,813,062.70
FGL17022	MDQ	F4000439	Stratford 2	STR00521	N/A	18,250,000	-	\$ -
FGL17022	GJ	F4000439	Stratford 2	STR00521	N/A	2,009,332	-	\$ -
FGL17022	OR	F4000439	Stratford 2	STR00521	N/A	-	0.99	\$ -
FGL17020	DAY	F4000439	Stratford 3 Delivery Point	STR00511	N/A	365	5,418.87	\$ 1,977,886.58
FGL17020	GJ	F4000439	Stratford 3 Delivery Point	STR00511	N/A	2,054,897	-	\$ -
FGL17020	MDQ	F4000439	Stratford 3 Delivery Point	STR00511	N/A	20,440,000	-	\$ -
FGL17020	OR	F4000439	Stratford 3 Delivery Point	STR00511	N/A	-	0.32	\$ -
FGL17020	OR	STR00513	Frankley Road-Bi	F4000439	N/A	-	0.31	\$ -
FGL17019	Other	F4000439	Stratford 3 Delivery Point	STR00511	N/A	365	37.25	\$ 13,597.97
FGL17023	DAY	KUP37501	Frankley Road out to Maui	FOU0001	N/A	365	5,722.54	\$ 2,088,726.28
FGL17023	OR	KUP37501	Frankley Road out to Maui	FOU0001	N/A	-	0.58	\$ -
FGL17023	GJ	KUP37501	Frankley Road out to Maui	FOU0001	N/A	11,616,287	-	\$ -
FGL17023	MDQ	KUP37501	Frankley Road out to Maui	FOU0001	N/A	12,410,000	-	\$ -
FGL17024	DAY	KUP37501	Kapuni GTP	KAP09612	N/A	365	1.00	\$ 365.00
FGL17024	OR	KUP37501	Kapuni GTP	KAP09612	N/A	20,085	0.58	\$ 11,649.30
FGL17024	GJ	KUP37501	Kapuni GTP	KAP09612	N/A	7,550,260	-	\$ -
FGL17024	MDQ	KUP37501	Kapuni GTP	KAP09612	N/A	9,125,000	-	\$ -
FGL17035	DAY	TEK28701	Tatuanui DF	TAT16401	N/A	365	1,609.32	\$ 587,400.00





Contract ID	Unit	Receipt Point ID	Delivery Point	Delivery Point ID	Zone	Quantity	Price	Total
FGL17035	OR	TEK28701	Tatuanui DF	TAT16401	N/A	-	9.75	\$ -
FGL17035	GJ	TEK28701	Tatuanui DF	TAT16401	N/A	383,334	0.05	\$ 19,166.68
FGL17035	MDQ	TEK28701	Tatuanui DF	TAT16401	N/A	602,250		
FGL17026	Other	KAP09004	Tawa B (Nova)	TWB24810	N/A	12	3,190.91	\$ 38,290.93
FGL17027	Other	F4000439	TCC (Taranaki Combined Cycle)	TCC00201	N/A	730	18.63	\$ 13,597.97
FGL17028	DAY	F4000439	TCC (Taranaki Combined Cycle)	TCC00201	N/A	365	6,547.80	\$ 2,389,946.28
FGL17028	GJ	F4000439	TCC (Taranaki Combined Cycle)	TCC00201	N/A	6,052,285		
FGL17028	MDQ	F4000439	TCC (Taranaki Combined Cycle)	TCC00201	N/A	23,360,000		
FGL17028	OR	F4000439	TCC (Taranaki Combined Cycle)	TCC00201	N/A	-	1.02	\$ -
FGL17006	Other	TEK28701	Te Rapa Cogen	TRC02003	N/A	1,095	11.60	\$ 12,702.00
FGL17005	DAY	TEK28701	Te Rapa Cogen	TRC02003	N/A	365	2,395.49	\$ 874,353.85
FGL17005	OR	TEK28701	Te Rapa Cogen	TRC02003	N/A	-	1.05	\$ -
FGL17005	GJ	TEK28701	Te Rapa Cogen	TRC02003	N/A	3,761,792	0.05	\$ 188,089.60
FGL17005	GJ	TEK28701	Te Rapa Cogen	TRC02003	N/A	8,468,000		
FGL17030	DAY	PKU02308	Whakatane	WHK32101	N/A	365	3,642.00	\$ 1,329,330.00
FGL17030	OR	PKU02308	Whakatane	WHK32101	N/A	534	13.10	\$ 6,992.80
FGL17030	GJ	PKU02308	Whakatane	WHK32101	N/A	915,785	0.06	\$ 54,947.13
FGL17030	MDQ	PKU02308	Whakatane	WHK32101	N/A	1,241,000		
FGL17030	GJ	PKU02308	Whakatane	WHK32101	N/A	915,785	0.06	\$ 54,947.13
FGL17030	MDQ	PKU02308	Whakatane	WHK32101	N/A	1,241,000	-	\$ -

### STP charges<sup>8</sup>

Pi2019, Qi2019

<b>Revenue from STP charges</b>	<b>\$ 3,091,180</b>
---------------------------------	---------------------

Contract	Unit	Receipt Point ID	Delivery Point	Delivery Point ID	Zone	Quantity	Price	Total
Frankley Rd to Kupe Production Station - STP	GJ	F4000439	Kupe Delivery Point	KUP37503	N/A	-	0.29	\$ 939.00
Frankley Road to Kaimiro - STP	GJ	F4000439	Kaimiro Mixing Station Delivery	KAI07602	N/A	1,137,607	0.29	\$ 329,906.03
Frankley Road to Kapuni GTP - STP	GJ	F4000439	Kapuni GTP	KAP09612	N/A	8,403,609	0.29	\$ 2,437,046.61
Kaimiro to Frankley Road - STP	GJ	KAI07601	Frankley Road-Bi	F4000439	N/A	-	0.29	\$ -
Kaimiro to Kapuni - STP	GJ	KAI07601	Kapuni GTP	KAP09612	N/A	-	0.29	\$ -
Kapuni GTP to Frankley Road - STP	GJ	KAP09009	Frankley Road-Bi	F4000439	N/A	1,114,787	0.29	\$ 323,288.33
Kupe to Frankley Road - STP	GJ	KUP37501	Frankley Road-Bi	F4000439	N/A	-	0.29	\$ -
Kupe to Kapuni GTP - STP	GJ	KUP37501	Kapuni GTP	KAP09612	N/A	-	0.29	\$ -

<sup>8</sup> Standard Through-put Charges (STP) are charges for inter-pipeline movement or any bi-directional point at which a pipeline interconnects with the Maui Pipeline.



## Appendix 4: Incident data

Event Time	Event No.	Summary	Site & Location	Emergency (Y/N)?	Consumers Interrupted	Event Cause	Response Time (HH:mm)
3:23:00 AM	2924	Mokau CS - Unit failed to start. Loss of station compression.	Mokau CS	N	0	Equipment Failure	2:45
3:03:00 PM	2926	Oaonui Production Station Trip	Oaonui PS	N	0	Equipment Failure	0:00
6:15:00 AM	2929	Henderson CS - Power Outage	Henderson CS	N	1	Third Party	1:57
5:15:00 AM	2937	Henderson CS - Power Outage	Henderson CS	N	0	Third Party	2:46
2:06:00 PM	2951	Horotiu West DP - smell of gas reported	Horotiu DP	N	0	Equipment Failure	1:02
2:43:00 PM	2952	Henderson DP - Smell of gas report	Henderson DP	N	0	Third Party	1:47
10:59:00 PM	2953	Pohokura Production Station Trip Txcomcom	Pohokura PS	N	0	Third Party	0:00
8:45:00 PM	2972	Henderson Compressor Station trip power outage. Txcomcom.	Henderson CS	N	0	Third Party	2:20
7:41:00 AM	2977	Rimu Production Station flowing off-spec gas (High Wobbe)	Rimu PS	N	0	Third Party	0:00
8:34:00 AM	2978	Rimu Production Station - Off Spec Gas (High Wobbe)	Rimu PS	N	0	Third Party	0:00
3:54:00 PM	2979	Rimu Production Station - Off Spec Gas (High Wobbe) TxComCom	Rimu PS	N	0	Third Party	0:00
8:30:00 AM	2980	TxComCom Kaponga DP reported smell of gas	Kaponga DP	N	0	Equipment Failure	1:32
10:51:00 AM	2990	Oaonui Production Station - Shut Down	Oaonui PS	N	0	Third Party	0:00
9:53:00 AM	3013	Kaitoke DP - Off spec gas - Low temperature.	Kaitoke DP	N	0	Equipment Failure	1:12
8:46:00 PM	3035	Mokau Unit #1 duty fan stopped, causing loss of station (Station Inhibit) trip.	Mokau CS	N	0	Equipment Failure	0:00
11:18:00 PM	3036	Kiwitahi DP - Gas Venting - TxComCom. CALLED IN BY RYAN PHIPPS.	Kiwitahi DP	N	0	Equipment Failure	1:02
7:42:00 PM	3055	McKee - Tikorang i#3 - loss of production. TxComCom.	McKee PS	N	0	Third Party	0:00
1:37:00 AM	3059	Pohokura PS Trip - TxComCom.	Pohokura PS	N	0	Third Party	0:00
2:22:00 AM	3067	Pohokura off spec H/C dew point. Txcomcom.	Pohokura PS	N	0	Third Party	0:00
1:51:00 PM	3068	Txcomcom Pohokura PS off spec gas	Pohokura PS	N	0	Third Party	0:00
1:30:00 PM	3070	Txcomcom Pohokura PS trip.	Pohokura PS	N	0	Third Party	0:00
3:09:00 PM	3073	Loss of gas supply to Ammonia Urea Plant - TxComCom	Ammonia Urea DP	N	1	Equipment Failure	0:00
4:29:00 PM	3076	TXCOMCOM - McKee PS shut in	McKee PS	N	0	Third Party	0:00
4:40:00 PM	3075	Pohokura PS - shut down	Pohokura PS	N	0	Third Party	0:00
8:37:00 AM	3077	Pohokura trip. TxComCom.	Pohokura PS	N	0	Third Party	0:00
6:00:00 PM	3079	Kupe PS unplanned shutdown Txcomcom	Kupe PS	N	0	Third Party	0:00
9:30:00 PM	3080	Kupe - High wobbe on start up. TxComCom.	Kupe PS	N	0	Third Party	0:00
1:55:00 PM	3389	Pohokura PS Trip. TxComCom.	Pohokura PS	N	0	Third Party	0:00
9:42:00 PM	3390	KGTP - Gas leak reported. TxComCom.	KGTP CS	N	0	Not an Event	0:57
3:04:00 AM	3391	Henderson c/s Loss of A/C Power. Station unavailable. TxComCom.	Henderson CS	N	1	Equipment Failure	3:40
6:26:00 PM	3393	Henderson C/S - Unavailable - no mains power. TxComCom.	Henderson CS	N	1	Equipment Failure	3:19
7:45:00 PM	3392	Kaitoke Compressor Station - unexplained ESD. TxComCom - Station unavailable.	Kaitoke CS	N	0	Equipment Failure	33:12
2:40:00 PM	3664	Reported smell of gas - Okaiawa DP. TxComCom.	Okaiawa DP	N	0	Not an Event	0:23
6:10:00 PM	3396	Henderson CS Loss of Power. TxComCom. Station Unavailable.	Henderson CS	N	1	Third Party	3:19
6:15:00 PM	3401	Waikumete DP - Report of smell and noise from DP. TxComCom.	Waikumete DP	N	0	Equipment Failure	0:29
3:38:00 PM	3452	KGTP - Unplanned shut down. Loss of compressor station. TxComCom.	KGTP PS	N	0	Third Party	0:00
11:30:00 PM	3415	Kupe Production trip. TxComCom.	Kupe PS	N	0	Third Party	0:00
10:07:00 PM	3453	Kupe PS - Plant Shut down. TxComCom.	Kupe PS	N	0	Third Party	0:00
11:03:00 PM	3454	Kupe PS - High Wobbe. TxComCom.	Kupe PS	N	0	Third Party	0:00
6:00:00 PM	3458	Mokau total loss of compression. TxComCom.	Mokau CS	N	0	Equipment Failure	1:20
8:47:00 PM	3457	Parawera MLV reported smell of gas. TxComCom (also 3461).	Parawera MLV	N	0	Equipment Failure	1:35
11:08:00 AM	3464	Pohokura PS trip. TxComCom.	Pohokura PS	N	0	Third Party	0:00
10:37:00 AM	3467	Kuku Beach Road -- reported smell of gas. TxComCom.	Kuku DP	N	0	Not an Event	1:02
7:43:00 AM	3516	Cheal C out of spec Gas.	Cheal C PS	N	0	Third Party	0:00
11:35:00 AM	4485	Cheal C out of spec gas exported. TxComCom.	Cheal C PS	N	0	Third Party	0:00
6:04:00 AM	4487	Cheal C off Spec low WOBBE gas delivered to pipeline. TxComCom.	Cheal C PS	N	0	Third Party	0:00
9:36:00 AM	3565	Cooler found with a pin prick leak on one of the tubes due to corrosion. TxComCom	Mokau CS	N	0	Equipment Failure	0:00
8:26:00 AM	3534	Mokau station total station outage. TxComCom.	Mokau CS	N	0	Equipment Failure	0:00
10:27:00 PM	3560	Kupe PS trip. TxComCom.	Kupe PS	N	0	Third Party	0:00
11:00:00 PM	3583	Kupe Production Station off-spec gas. TxComCom.	Kupe PS	N	0	Third Party	0:00
8:56:00 AM	3559	Oaonui Production Station - Unplanned Shut down	Oaonui PS	N	0	Third Party	0:00
11:50:00 AM	3595	601 pipeline damage found during DCVG excavation, Waikanae area. TxComCom.	601 pipeline, Waikanae.	Y	0	Third Party	0:00
4:40:00 PM	3582	Gas leak found by Electrix staff on Kimray temp controller. Drury DP.	Drury DP	N	0	Equipment Failure	1:39
12:29:00 PM	3597	Kapuni Compressor station - gas leak on PGC#5. TxComCom.	KGTP CS	N	0	Equipment Failure	0:00
4:00:00 AM	3600	Cheal C recorded low WOBBE gas to pipeline. TxComCom.	Cheal C PS	N	0	Third Party	0:00
2:56:00 PM	3602	Minor leak on the valve gland packing log LG-20801	Hawera DP	N	0	Equipment Failure	0:00
12:30:00 AM	3636	Pohokura production trip. TxComCom.	Pohokura PS	N	0	Third Party	0:00
11:00:00 AM	3621	Henderson Valley Power outage - compressor shut down. TxComCom.	Henderson CS	N	0	Third Party	0:00
1:19:00 PM	3638	Pohokura PS - Plant Trip. TxComCom.	Pohokura PS	N	0	Third Party	0:00
9:26:00 AM	3639	Gas venting from relief. TxComCom	Maungaturoto DP	N	0	Equipment Failure	3:29
1:22:00 AM	3655	Pohokura Production Station Trip. TxComCom.	Pohokura PS	N	0	Third Party	0:00
3:00:00 PM	3656	Oaonui offshore trip, reduced flow. TxComCom.	Oaonui PS	N	0	Third Party	0:00
3:21:00 PM	3666	Pohokura Production Station Trip. TxComCom.	Pohokura PS	N	0	Third Party	0:00
12:34:00 PM	3699	Mahoenui #1 Unit Malfunction Inhibited Station on Gas detection.	Mahoenui CS	N	0	Equipment Failure	3:51
3:30:00 PM	3688	Henderson C/S - Loss of station compression. TxComCom.	Henderson CS	N	0	Equipment Failure	2:12
2:24:00 PM	3726	Pin hole leak at weld on pressure indicator	Rangiuuru DP	N	0	Equipment Failure	0:00

Event Time	Event No.	Summary	Site & Location	Emergency (Y/N)?	Consumers Interrupted	Event Cause	Response Time (HH:mm)
8:30:00 AM	3725	Stratford DP - Pilot venting to atmosphere on stand by stream	Stratford DP	N	0	Equipment Failure	0:00
1:08:00 PM	3739	Mokau CS - Station trip, loss of compression. TxComCom.	Mokau CS	N	0	Third Party	0:00
10:30:00 AM	3753	Rimu Production Station Wobbe Off-Spec. TxComCom.	Rimu PS	N	0	Third Party	0:00
6:05:00 PM	3780	Funny Smell Reported. TxComCom.	400 pipeline, Te Kuiti	N	0	Not an Event	0:16
9:45:00 AM	3771	Pokuru CS, Loss of compression. TxComCom.	Pokuru CS	N	0	Equipment Failure	1:26
10:25:00 AM	3778	Waikanae - Loss of supply to network. TxComCom.	Waikanae DP	N	0	Equipment Failure	0:00
2:06:00 AM	3781	Rimu PS Wobbe Alarms. TxComCom.	Rimu PS	N	0	Third Party	0:00
7:45:00 AM	3791	Derby Road - Reported Gas Leak. TxComCom.	Derby Road CS	N	0	System Quality	0:00
2:01:00 PM	3798	Power Blip caused #2 to Trip at Henderson CS. TxComCom.	Henderson CS	N	0	Equipment Failure	0:01
12:49:00 AM	3854	Papakura East PR Stn - Failed Relief - venting Gas	Papakura East PRS	N	0	Equipment Failure	0:59
4:15:00 AM	3906	Kaitoke 2 malfunction fault. Resulted in loss of station availability. TxComCom.	Kaitoke CS	N	0	Equipment Failure	7:49
8:17:00 AM	3936	Mangaheva PS - Plant Outage. TxComCom.	Mangaheva PS	N	0	Third Party	0:00
4:11:00 PM	3946	Kupe Production Station unplanned outage. TxComCom.	Kupe PS	N	0	Third Party	0:00
11:13:00 AM	3951	Papakura East Regulator Failure, causing gas leak on site. TxComCom.	Papakura East PRS	N	0	Equipment Failure	0:17
1:21:00 PM	3952	Kaitoke Compressor ESD. TxComCom.	Kaitoke CS	N	0	Equipment Failure	0:47
1:50:00 PM	3964	Derby Road noise reported from site - venting regulator. TxComCom.	Derby Road CS	N	0	Equipment Failure	1:29
5:38:00 PM	3965	Waikumete DP smell of gas reported. TxComCom.	Waikumete DP	N	0	Not an Event	1:18
9:25:00 AM	3970	Marlon DP Heater Outage - low temps. TxComCom.	Marlon DP	N	0	Equipment Failure	1:09
1:43:00 PM	3974	50mm pipe damaged at Mahoenui Compressor Station. TxComCom.	Mahoenui CS	N	0	Equipment Failure	0:45
12:17:00 AM	3982	Pukekohe East - 15 Mill Rod - Smell of Gas report. TxComCom.	200 Pipeline, Pukekohe	N	0	Not an Event	2:41
2:50:00 PM	3990	Todd McKee Outage following Localized Power outage. TxComCom.	McKee PS	N	0	Third Party	0:00
6:31:00 AM	4001	Pohokura Unplanned Outage. TxComCom.	Pohokura PS	N	0	Third Party	0:00
1:51:00 PM	4026	Mokoia Mixing Station Off Spec Gas - High and Low Wobbe. TxComCom.	Rimu PS	N	0	Third Party	0:00
2:59:00 PM	4088	Pohokura PS Trip. TxComCom.	Pohokura PS	N	0	Third Party	0:00
3:42:00 PM	4089	Henderson CS Trip - no power to site. No curtailments. TxComCom.	Henderson CS	N	0	Third Party	0:39
8:32:00 PM	4090	Critical High Wobbe Alarm, Cheal Production Station. TxComCom.	Cheal PS	N	0	Third Party	0:00
4:42:00 AM	4091	Henderson CS Trip. No curtailments. TxComCom. - power outage	Henderson CS	N	0	Equipment Failure	2:29
8:58:00 AM	4100	Pirongia DP minor gas leak. TxComCom.	Pirongia DP	N	0	Equipment Failure	0:00
11:40:00 AM	4103	Rimu Production Station High Wobbe. TxComCom.	Rimu PS	N	0	Third Party	0:00
12:36:00 PM	4105	Kawerau CS ESD - station unavailable. TxComCom.	Kawerau CS	N	0	Third Party	44:02
7:52:00 AM	4119	Pokuru Compressor Station loss of compression. TxComCom.	Pokuru CS	N	0	Equipment Failure	0:45
9:37:00 PM	4121	Two very small gas leaks. TxComCom.	Bruce McLaren DP	N	0	Equipment Failure	1:54
9:30:00 AM	4124	Tariki MLV Reported smell of gas. TxComCom.	Tariki MLV	N	0	Not an Event	0:55
1:30:00 PM	4131	Henderson CS shutdown, power outage. Loss of compression. TxComCom.	Henderson CS	N	0	Equipment Failure	1:20
5:45:00 AM	4145	Pokuru -- Both compressors unavailable. TxComCom.	Pokuru CS	N	0	Equipment Failure	1:50
6:30:00 AM	4146	Kaitoke - total loss of compression. TxComCom.	Kaitoke CS	N	0	Equipment Failure	2:58
4:09:00 PM	4155	Longburn DP, Reported Smell of Gas. TxComCom.	Longburn DP	N	0	Not an Event	0:28
6:11:00 AM	4200	Henderson C/S - Loss of compression. TxComCom.	Henderson CS	N	1	Equipment Failure	1:06
8:35:00 AM	4265	Henderson CS loss of compression due to mains failure. TxComCom.	Henderson CS	N	0	Not an Event	2:02
6:23:00 PM	4281	Henderson Valley compressor trip. TxComCom.	Henderson CS	N	1	Third Party	1:15
6:36:00 AM	4285	Waitara DP Delivery Temperature off specification. TxComCom.	Waitara DP	N	0	Equipment Failure	2:08
2:51:00 PM	4291	Cheal PS , Critical High Wobbe. TxComCom.	Cheal PS	N	0	Third Party	0:00
6:30:00 PM	4292	Pohokura production trip. TxComCom.	Pohokura PS	N	0	Third Party	0:00
3:49:00 PM	4293	Henderson CS, Station Trip due to Mains Fail. TxComCom.	Henderson CS	N	0	Equipment Failure	1:59
3:53:00 PM	4304	Oaonui PS Outage. TxComCom.	Oaonui PS	N	0	Third Party	0:00
1:17:00 PM	4389	Defect began leaking during final stages of repair sleeve fitment. TxComCom.	111 pipeline, Takapu Rd	N	0	Not an Event	0:00
6:15:00 PM	4369	McKee Tik#1 off Spec Gas Low Wobbe. TxComCom.	McKee PS	N	0	Third Party	0:00
8:04:00 AM	4393	Pohokura Export gas trip. TxComCom.	Pohokura PS	N	0	Third Party	0:00
5:15:00 PM	4409	Henderson Compressor station outage. TxComCom.	Henderson CS	N	1	Equipment Failure	1:08
12:10:00 PM	4418	Tx Comcom Public Reported Gas Venting from Papakura East Regulator Stn.	Papakura East PRS	N	0	Not an Event	0:22
7:32:00 PM	4443	Mokau compressor loss of compression. TxComCom.	Mokau CS	N	0	Equipment Failure	1:19
9:39:00 AM	4456	Tuakau DP - Smell of Gas Reported. TxComCom.	Tuakau DP	N	0	Not an Event	1:17
11:40:00 PM	4457	Cheal C - High Wobbe. TxComCom.	Cheal C PS	N	0	Third Party	0:00
4:06:00 AM	4478	Sidewinder PS - Low Wobbe. TxComCom.	Sidewinder PS	N	0	Third Party	0:00
12:10:00 AM	4482	Henderson Compressor Station ESD. TxComCom.	Henderson CS	N	0	Not an Event	1:57
9:00:00 AM	4541	Gas leak on the side of the odorant tank building at Kapuni. TxComCom.	KGTP Odorant	N	0	Equipment Failure	1:00
3:30:00 PM	4510	Cannon Road MLV - Gas leak from bolts on LPT system. TxComCom.	Cannon Road MLV	N	0	Equipment Failure	0:00
10:14:00 PM	4521	Henderson CS trip due to power outage. TxComCom.	Henderson CS	N	1	Third Party	2:07
7:15:00 AM	4522	Pokuru Compressor Station loss of compression. TxComCom.	Pokuru CS	N	0	Not an Event	1:10
10:34:00 AM	4618	Oaonui Production Station unplanned outage. TxComCom.	Oaonui PS	N	0	Third Party	0:00
6:00:00 PM	4626	Patea Delivery Point Off Spec Gas delivered -21.4 °C. TxComCom.	Patea DP	N	0	Not an Event	14:40
9:50:00 AM	4632	Henderson Compressor Station ESD	Henderson CS	N	0	Equipment Failure	0:00
5:15:00 PM	4704	Kupe PS Trip. TxComCom.	Kupe PS	N	0	Third Party	0:00
7:15:00 PM	4705	Patea DP Off spec gas delivered to Network - Low Temp. TxComCom.	Patea Delivery Point	N	0	Equipment Failure	19:22
1:12:00 AM	4730	Henderson C/S - Loss of compression due to power outage. TxComCom.	Henderson CS	N	1	Equipment Failure	1:43
3:07:00 AM	4731	Pokuru - Total Odorant Failure. TxComCom.	Pokuru CS	N	0	Equipment Failure	0:46
8:24:00 PM	4737	Tikorangi #1 metering Off Spec Low Wobbe. TxComCom.	Tikorangi Mixing Station	N	0	Third Party	0:00
1:22:00 PM	4776	Stem leak on new valve. Minor gas leak. TxComCom.	Waiuku DP	N	0	Equipment Failure	0:00
3:20:00 PM	4755	Oaonui PS Trip. TxComCom.	Oaonui PS	N	0	Third Party	0:00
7:05:00 AM	4756	Tatuanui DP, Relief monitor alarm. TxComCom.	Tatuanui DP	N	0	Equipment Failure	0:58

## Appendix 5: Gas transmission emergency classification

**Emergency incident:** An incident that has a major effect on a gas pipeline asset, or its ability to supply gas, and may threaten public and/or building safety.

Transmission emergency incidents include but are not limited to:<sup>9</sup>

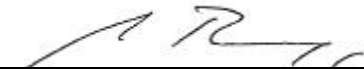
- Potential or actual gas supply critical contingency
- Any structural damage to a transmission pipeline
- Off-specification gas, NZS 5442
- Significant chemical or odorant spill
- Serious property or asset damage or failure
- Missing persons
- Civil Defence emergency (includes natural disaster)
- Terrorism
- Incident affecting the use of airways, rail or major roadways
- Natural disaster including earthquakes, tsunamis & volcanic eruption
- Forced Abandonment of the Control Room
- Uncontrolled escape of gas
- Unplanned supply interruption to multiple end users
- Under or over Odourisation, NZS 5263
- Potential or actual serious harm to personnel or public
- Major disease or pandemic
- Explosion or Fire
- Civil unrest
- Political attack
- Major storms, landslide or flood
- Major control or communications system failure
- Cyber attack

---

<sup>9</sup> Extracted from Firstgas' standard 06121 Incident and emergency classification

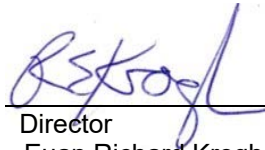
**APPENDIX 6: COMPLIANCE STATEMENT CERTIFICATE – GTB**

We, Philippa Jane Dunphy, and Euan Richard Krogh, being Directors of Firstgas Limited certify that, having made all reasonable enquiry, to the best of our knowledge and belief, the attached Compliance Statement of Firstgas Limited, and related information, prepared for the purposes of the *Gas Transmission Services Default Price-Quality Path Determination 2017* has been prepared in accordance with all the relevant requirements.



Director  
Philippa Jane Dunphy

04 December 2019  
Date



Director  
Euan Richard Krogh

04 December 2019  
Date

---

**Appendix 7: Auditor assurance**



# Independent Reasonable Assurance Report to the Directors of First Gas Limited ("the company") and to the New Zealand Commerce Commission

## Opinion

In our opinion, in all material respects, the Compliance Statement of First Gas Limited for Gas Transmission Services Default Price-Quality Path compliance for the period commencing 1 October 2018 and ending 30 September 2019 ("the Compliance Statement") has been prepared in accordance with clause 11 of Gas Transmission Services Default Price-Quality Path Determination 2018 NZCC 14 ("the Determination").

As far as appears from examination, in all material respects, the information used in the preparation of the Compliance Statement for the year ended 30 September 2019 has been properly extracted from the company's accounting and other records, sourced from its financial and non-financial systems.

## Information subject to assurance

We have performed an engagement to provide reasonable assurance in relation to the company's Compliance Statement for the assessment period commencing 1 October 2018 and ending 30 September 2019.

## Criteria

Our engagement relates to the Compliance Statement prepared by the company to provide reasonable assurance that the Gas Transmission Services Default Price-Quality Path is in compliance with clause 11 of the Determination during the assessment period 1 October 2018 to 30 September 2019.

## Standards we followed

We conducted our reasonable assurance engagement in accordance with International Standard on Assurance Engagements (New Zealand) 3000 (Revised) *Assurance Engagements other than audits or reviews of historical financial information* and Standard on Assurance Engagements SAE 3100 (Revised) *Assurance Engagements on Compliance*. We believe that the evidence we have obtained is sufficient and appropriate to provide a basis for our opinion. In accordance with those standards we have:

- used our professional judgement to assess the risk of material misstatement and plan and perform the engagement to obtain reasonable assurance that the Compliance Statement is free from material misstatement, whether due to fraud or error;
- considered relevant internal controls when designing our assurance procedures, however we do not express an opinion on the effectiveness of these controls; and
- ensured that the engagement team possesses the appropriate knowledge, skills and professional competencies.

## How to interpret reasonable assurance and material misstatement

Reasonable assurance is a high level of assurance, but is not a guarantee that it will always detect a material misstatement when it exists.

Misstatements, including omissions, within the Compliance Statement are considered material if, individually or in the aggregate, they could reasonably be expected to influence the relevant decisions of the intended users taken on the basis of the Compliance Statement.



## Use of this assurance Report

Our report should not be regarded as suitable to be used or relied on by any parties other than the company and the New Zealand Commerce Commission in relation to clause 11 of the Determination, for any purpose or in any context. Any party other than the company or the New Zealand Commerce Commission who obtains access to our report or a copy thereof and chooses to rely on our report (or any part thereof) will do so at its own risk.

To the fullest extent permitted by law, we accept or assume no responsibility and deny any liability to any party other than the company and the New Zealand Commerce Commission for our work, for this independent reasonable assurance report, or for the opinions we have reached.

Our report is released to the company and the New Zealand Commerce Commission on the basis that it shall not be copied, referred to or disclosed, in whole (save for the company's own internal purposes) or in part, without our prior written consent.

## First Gas Limited's responsibility for the Compliance Statement

First Gas Limited is responsible for the preparation and fair presentation of the Compliance Statement in accordance with clause 11 of the Determination. This responsibility includes such internal control as management determine is necessary to enable the preparation of a Compliance Statement that is free from material misstatement whether due to fraud or error.

## Our responsibility

Our responsibility is to express an opinion to the directors of the company and to the New Zealand Commerce Commission on whether the preparation and presentation of the Compliance Statement is, in all material respects, in accordance with clause 11 of the Determination.

## Our independence and quality control

We have complied with the independence and other ethical requirements of Professional and Ethical Standard 1 (Revised) issued by the New Zealand Auditing and Assurance Standards Board, which is founded on fundamental principles of integrity, objectivity, professional competence and due care, confidentiality and professional behaviour.

The firm applies Professional and Ethical Standard 3 (Amended) and accordingly maintains a comprehensive system of quality control including documented policies and procedures regarding compliance with ethical requirements, professional standards and applicable legal and regulatory requirements.

Our firm has also provided audit and other assurance services to the company. Subject to certain restrictions, partners and employees of our firm may also deal with the company on normal terms within the ordinary course of trading activities of the business of the company. These matters have not impaired our independence as assurance providers of the company for this engagement. The firm has no other relationship with, or interest in, the company.

A handwritten signature in black ink, appearing to read 'KPMG'.

KPMG  
Auckland

6 December 2019