



COMPLIANCE STATEMENT

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

Assessment Period 1 October 2019 – 30 September 2020

Update as of 17 February 2021



Introduction

First Gas Limited (Firstgas) operates 2,500 kilometres of gas transmission pipelines (including the Maui pipeline), and more than 4,800 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.

Firstgas is part of the wider Firstgas Group. The Firstgas Group owns energy infrastructure assets across New Zealand through our affiliate Gas Services NZ Limited (GSNZ), a separate business with common shareholders that owns Rockgas and the Ahuroa gas storage facility.

Rockgas has over 80 years’ experience and provides LPG to 100,000 customers throughout New Zealand. It is New Zealand’s largest LPG retail business and supplies its customers with LPG from both domestic and imported sources. Visit the website www.rockgas.co.nz. The Ahuroa gas storage facility (trading as Flexgas Limited) is New Zealand’s only open access gas storage facility. Visit the website www.flexgas.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*, consolidating all amendments as of 18 December 2018 (DPP Determination) issued by the Commerce Commission. This Compliance Statement covers Firstgas’ gas transmission business (GTB) for the year ending 30 September 2020.

The following documents are provided with this Compliance Statement:

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

Revised compliance statement

This Compliance Statement was first prepared on 19 November 2020 and updated on 17 February 2021. In January 2021, Firstgas discovered an immaterial error in the value of local body rates included in recoverable costs. The value of rates has been corrected in this updated Compliance Statement and the Wash-up Amount for FY2020 has reduced by \$127,000 from that previously disclosed.

Compliance status for year ending 30 September 2020

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

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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.

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1. Wash-up amount compliance

First Gas Limited (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 2019 to 30 September 2020. This is the third 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

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

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

$$\text{Actual net allowable revenue (2020)} = \$123.575 \text{ million} \times 1.82\% \times (1-0)$$

$$= \$125.823 \text{ million}$$

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 2020).

Table 1: Pass-through and Recoverable costs

Pass-through and Recoverable Costs	Incurred in the year ending 30 September 2020
	\$000
Rates and levies	\$2,171
Balancing gas costs and revenue	\$5,053
Mokau Compressor fuel gas costs	\$1,216
Capex wash-up adjustment	\$755
Total actual pass-through costs and recoverable costs	\$9,195

Revenue wash-up draw down amount for the third Assessment Period

The wash-up draw down amount for the third Assessment Period calculated following the requirements of Schedule 8 of the DPP Determination is **(\$0.761) million**. The revenue wash-up draw down amount refers to revenue over-recovered in the FY2018 period, and includes an adjustment to recognise the time value of money as specified in the DPP Determination.

Calculation of actual allowable revenue

$$\begin{aligned}
 \text{Actual allowable revenue} &= \$125.823 \text{ million} + \$9.195 \text{ million} + (\$0.761) \text{ million} \\
 &= \mathbf{\$134.258 \text{ million}}
 \end{aligned}$$

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 pipeline Actual Revenue from Prices with the non-Maui pipeline Actual Revenue from Prices.

Maui transmission pipeline

As announced to customers on 18 September 2019, the prices for the Maui pipeline for the 2019/20 pricing year¹ were as follows:

Tariff	Value for 2019/20
Tariff 1 (\$ per GJ.km)	0.001601
Tariff 2 (\$ per GJ)	0.073132

The Actual Revenue from Prices for the Maui pipeline in 2019/20 was:

Tariff	Actual Quantity	Price	Total (\$million)
Tariff 1	16,239,412,242 GJ.km	\$0.001601 per GJ.km	\$25.999
Tariff 2	154,740,629 GJ	\$0.073132 per GJ	\$11.317
Actual Revenue from Prices			\$37,316

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 2019/20 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 **\$95.191 million**.

Total Actual Revenue from Prices

The total Actual Revenue from Prices is **\$132.507 million**.

$$\begin{aligned}
 \text{Actual Revenue from prices} &= \text{Actual Revenue from Prices (Maui) + Actual Revenue from Prices (Non-Maui)} \\
 &= \$37.316 \text{ million} + \$95.191 \text{ million} \\
 &= \$132.507 \text{ million}^2
 \end{aligned}$$

Other regulated income

Firstgas received no other regulated income of the 2019/20 Assessment Period.

¹ The 2019/20 pricing year is for the period 1 October 2019 to 30 September 2020. The pricing year is the same as the Assessment Period.

² Actual revenue is based on quantities relating to the 12-month 2020 pricing period. It does not include accrued revenue.

Calculation of actual revenue

$$\begin{aligned} \text{Actual Revenue for 2019/20} &= \$132.507 \text{ million} + \$0 \text{ million} \\ &= \$132.507 \text{ million} \end{aligned}$$

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 we 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

$$\begin{aligned} \text{Revenue reduction percentage} &= 1 - (\text{actual revenue from prices} \div \text{forecast revenue from prices}) \\ &= 1 - (\$132.507 \text{ million} \div 128.912 \text{ million}) \\ &= (2.79\%) \end{aligned}$$

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**.

$$\begin{aligned} \text{Revenue foregone} &= \text{Actual net allowable revenue from prices} \times (\text{revenue reduction percentage} - 20\%^3) \\ &= \$125.823 \text{ million} \times 0\% \\ &= \$0 \end{aligned}$$

³ 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 **\$1.751 million**.

$$\begin{aligned}
 \text{Wash-Up Amount (\$million)} &= \text{Actual allowable revenue- actual revenue- revenue forgone} \\
 &= \$134.258 - \$132.507 - \$0 \\
 &= \$1.751 \text{ million}
 \end{aligned}$$

This amount will be passed into prices and recovered from consumers in the pricing year 1 October 2021 to 30 September 2022.

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 (RTE) 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).⁴*

There were **nil** emergencies in this assessment period.

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

There were no emergencies in this assessment period. Whilst this means no RTE result can be calculated, Firstgas remains compliant with the RTE quality standard.

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.

⁴ 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.

2.3 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.

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 4**. 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 CCO⁵ 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.⁶

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 2020 Assessment Period.

⁵ Further information on the Critical Contingency Operator is available from www.cco.org.nz

⁶ 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_{i2020}, Q_{i2020}

Total actual revenue from prices	\$ 95,190,816
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Actual revenue from prices	P _{i2020} , Q _{i2020}
Transmission standard published charges between 1 October 2019 and 30 September 2020	\$ 65,915,864
Transmission non-standard charges between 1 October 2019 and 30 September 2020	\$ 24,771,987
Transmission STP charges between 1 October 2019 and 30 September 2020	\$ 3,385,861
Charges billed outside OATIS between 1 October 2019 and 30 September 2020	\$ 1,117,105

Appendix 2: $P_{i,2020}, Q_{i,2020}$ from standard prices for the 2020 Assessment Period

 $P_{i,2020}, Q_{i,2020}$

Revenue from standard prices	\$	\$65,915,864
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Type	Contract	Unit	Receipt Point ID	Delivery Point	Delivery Point ID	Zone	Quantity	Price	Total
Standard	TSA	GJ	Various	Various	Various	N/A	40,563,174.81	\$ 0.10	\$ 4,056,317
Standard	TSA	MDQ	F4000439	Kapuni GTP	KAP09612	N/A	-		\$ -
Standard	TSA	MDQ	OFF16601	Huntly	HTL16601	N/A	48,758.87	\$ 384.00	\$ 51,179
Standard	TSA	MDQ	KAP09008	Eltham	ELM12301	N/A	226,666.98	\$ 87.00	\$ 53,901
Standard	TSA	MDQ	KAP09008	Inglewood	IGW11901	N/A	32,144.30	\$ 87.00	\$ 7,644
Standard	TSA	MDQ	KAP09008	Kaponga	KPA12401	N/A	1,931.62	\$ 87.00	\$ 459
Standard	TSA	MDQ	KAP09008	New Plymouth	NPL12101	N/A	879,366.55	\$ 87.00	\$ 209,112
Standard	TSA	MDQ	KAP09008	Stratford	STR10201	N/A	78,788.18	\$ 87.00	\$ 18,735
Standard	TSA	MDQ	KAP09008	Waitara	WTR12001	N/A	109,819.76	\$ 87.00	\$ 26,115
Standard	TSA	MDQ	KAP09004	Ashhurst	ASH34301	N/A	7,320.93	\$ 373.00	\$ 7,464
Standard	TSA	MDQ	KAP09004	Belmont	BEL24510	N/A	1,556,495.44	\$ 461.00	\$ 1,961,286
Standard	TSA	MDQ	KAP09004	Dannevirke	DAN05001	N/A	64,151.50	\$ 384.00	\$ 67,332
Standard	TSA	MDQ	KAP09004	Feilding	FLD03001	N/A	233,591.40	\$ 373.00	\$ 238,138
Standard	TSA	MDQ	KAP09004	Flockhouse	FLH21901	N/A	127.73	\$ 373.00	\$ 130
Standard	TSA	MDQ	KAP09004	Foxton	FOX22101	N/A	35,634.65	\$ 373.00	\$ 36,330
Standard	TSA	MDQ	KAP09004	Greater Kapiti	GWP20102	N/A	146,591.05	\$ 461.00	\$ 184,714
Standard	TSA	MDQ	KAP09004	Greater Waitangirua	GTW06910	N/A	403,374.41	\$ 461.00	\$ 508,261
Standard	TSA	MDQ	KAP09004	Hastings	HST05210	N/A	2,196,530.37	\$ 384.00	\$ 2,305,450
Standard	TSA	MDQ	KAP09004	Hastings (Nova)	HST05203	N/A	245,586.00	\$ 384.00	\$ 257,766
Standard	TSA	MDQ	KAP09004	Hawera	HWA20801	N/A	359,277.99	\$ 362.00	\$ 355,549
Standard	TSA	MDQ	KAP09004	Hawera (Nova)	HWA20802	N/A	107,970.00	\$ 362.00	\$ 106,832
Standard	TSA	MDQ	KAP09004	Kairanga	KRG24101	N/A	36.60	\$ 373.00	\$ 37
Standard	TSA	MDQ	KAP09004	Kaitoke	KTK23901	N/A	24,788.85	\$ 362.00	\$ 24,526
Standard	TSA	MDQ	KAP09004	Kakariki	KKI23701	N/A	108,378.60	\$ 362.00	\$ 107,237
Standard	TSA	MDQ	KAP09004	Kuku	KUK22401	N/A	953.16	\$ 373.00	\$ 972
Standard	TSA	MDQ	KAP09004	Lake Alice	LAB20201	N/A	46,729.77	\$ 362.00	\$ 46,238
Standard	TSA	MDQ	KAP09004	Levin	LVN24401	N/A	294,826.99	\$ 373.00	\$ 300,593
Standard	TSA	MDQ	KAP09004	Longburn	LNB24301	N/A	271,955.24	\$ 373.00	\$ 277,299
Standard	TSA	MDQ	KAP09004	Manaia	MNA23402	N/A	23,320.82	\$ 362.00	\$ 23,075
Standard	TSA	MDQ	KAP09004	Mangaroa	MNG34001	N/A	21,438.35	\$ 384.00	\$ 22,499
Standard	TSA	MDQ	KAP09004	Mangatainoka	MKG05401	N/A	10,980.00	\$ 373.00	\$ 11,194
Standard	TSA	MDQ	KAP09004	Marton	MTN23801	N/A	295,810.60	\$ 362.00	\$ 292,694
Standard	TSA	MDQ	KAP09004	Matapu	MTP20601	N/A	637.09	\$ 362.00	\$ 630
Standard	TSA	MDQ	KAP09004	Oroua Downs	ORD24701	N/A	-	\$ 373.00	\$ -
Standard	TSA	MDQ	KAP09004	Otaki	OTA22601	N/A	20,080.59	\$ 461.00	\$ 25,303
Standard	TSA	MDQ	KAP09004	Pahiatua	PHT04901	N/A	8,934.06	\$ 373.00	\$ 9,109
Standard	TSA	MDQ	KAP09004	Pahiatua DF	PHT04902	N/A	921,452.68	\$ 373.00	\$ 939,566
Standard	TSA	MDQ	KAP09004	Palmerston North	PLN24201	N/A	974,423.45	\$ 373.00	\$ 993,458
Standard	TSA	MDQ	KAP09004	Patea	PTA20901	N/A	17,106.60	\$ 362.00	\$ 16,930
Standard	TSA	MDQ	KAP09004	Pauatahanui 2	PAH23101	N/A	533.63	\$ 461.00	\$ 672
Standard	TSA	MDQ	KAP09004	Takapau	TKP05101	N/A	149,694.00	\$ 384.00	\$ 157,118
Standard	TSA	MDQ	KAP09004	Tawa A	TWA35610	N/A	2,462,120.66	\$ 461.00	\$ 3,102,389
Standard	TSA	MDQ	KAP09004	Tawa B (Nova)	TWB24810	N/A	270,474.00	\$ 461.00	\$ 340,814
Standard	TSA	MDQ	KAP09004	Te Horo	THO22701	N/A	574.99	\$ 461.00	\$ 725
Standard	TSA	MDQ	KAP09004	Waitotara	WTT20301	N/A	46,116.00	\$ 362.00	\$ 45,630
Standard	TSA	MDQ	KAP09004	Wanganui	WAG21501	N/A	1,405,395.73	\$ 362.00	\$ 1,390,584
Standard	TSA	MDQ	KAP09004	Waverley	WVY23601	N/A	348.60	\$ 362.00	\$ 345
Standard	TSA	MDQ	OFF14501	Ngaruawahia	NGW14501	N/A	5,110.05	\$ 384.00	\$ 5,363
Standard	TSA	MDQ	OFF16701	Oakura	OKU16701	N/A	10,529.31	\$ 87.00	\$ 2,504

Type	Contract	Unit	Receipt Point ID	Delivery Point	Delivery Point ID	Zone	Quantity	Price	Total
Standard	TSA	MDQ	OFF13201	Okato	OKA13201	N/A	2,121.71	\$ 87.00	\$ 505
Standard	TSA	MDQ	OFF13001	Opunake	OPK13001	N/A	9,455.72	\$ 87.00	\$ 2,249
Standard	TSA	MDQ	OFF14101	Otorohanga	OTO14101	N/A	10,959.57	\$ 384.00	\$ 11,502
Standard	TSA	MDQ	OFF31101	Pirongia	PIR31101	N/A	1,888.41	\$ 384.00	\$ 1,982
Standard	TSA	MDQ	OFF31101	Te Awamutu DF	TAC31001	N/A	722,884.13	\$ 384.00	\$ 758,809
Standard	TSA	MDQ	PKU02308	Broadlands	BRO36301	N/A	63,318.00	\$ 494.00	\$ 85,496
Standard	TSA	MDQ	PKU02308	Edgecumbe	EGC30702	N/A	1,458.03	\$ 516.00	\$ 2,056
Standard	TSA	MDQ	PKU02308	Edgecumbe DF	EGC30701	N/A	1,657,399.98	\$ 516.00	\$ 2,337,614
Standard	TSA	MDQ	PKU02308	Gisborne	GIS07810	N/A	515,761.65	\$ 538.00	\$ 758,378
Standard	TSA	MDQ	PKU02308	Greater Mt Maunganui	GMM08001	N/A	932,008.59	\$ 472.00	\$ 1,202,379
Standard	TSA	MDQ	PKU02308	Greater Tauranga	GTT07701	N/A	335,726.06	\$ 472.00	\$ 433,129
Standard	TSA	MDQ	PKU02308	Kawerau	KAW04405	N/A	10,148.53	\$ 494.00	\$ 13,703
Standard	TSA	MDQ	PKU02308	Kawerau (ex-Caxton)	KAW04410	N/A	234,300.00	\$ 494.00	\$ 316,367
Standard	TSA	MDQ	PKU02308	Kawerau (ex-Tasman)	KAW04411	N/A	624,974.98	\$ 494.00	\$ 843,868
Standard	TSA	MDQ	PKU02308	Kihikihi (Te Awamutu)	KIH19101	N/A	95,236.02	\$ 384.00	\$ 99,947
Standard	TSA	MDQ	PKU02308	Kinleith	KIN02601	N/A	38,427.69	\$ 384.00	\$ 40,333
Standard	TSA	MDQ	PKU02308	Kinleith (CHH mill)	KIN04310	N/A	4,331,396.33	\$ 384.00	\$ 4,546,148
Standard	TSA	MDQ	PKU02308	Lichfield 2	LCF20011	N/A	760,415.54	\$ 384.00	\$ 798,407
Standard	TSA	MDQ	PKU02308	Lichfield DF	LCF20010	N/A	566,690.06	\$ 384.00	\$ 594,859
Standard	TSA	MDQ	PKU02308	Okoroire Springs	OKS32801	N/A	1,015.75	\$ 384.00	\$ 1,066
Standard	TSA	MDQ	PKU02308	Opotiki	OPO32001	N/A	13,768.16	\$ 538.00	\$ 20,246
Standard	TSA	MDQ	PKU02308	Putaruru	PTR32601	N/A	53,614.81	\$ 384.00	\$ 56,298
Standard	TSA	MDQ	PKU02308	Rangiorua	RAG33401	N/A	76,416.00	\$ 472.00	\$ 98,590
Standard	TSA	MDQ	PKU02308	Reporoa	RPR30801	N/A	549,558.37	\$ 494.00	\$ 742,147
Standard	TSA	MDQ	PKU02308	Rotorua	ROT08101	N/A	398,711.96	\$ 494.00	\$ 538,344
Standard	TSA	MDQ	PKU02308	Taupo	TAU07001	N/A	112,324.47	\$ 494.00	\$ 151,664
Standard	TSA	MDQ	PKU02308	Te Puke	TPK33301	N/A	31,005.32	\$ 472.00	\$ 40,001
Standard	TSA	MDQ	PKU02308	Te Teko	TTK30601	N/A	9,586.06	\$ 516.00	\$ 13,517
Standard	TSA	MDQ	PKU02308	Tirau	TIR33502	N/A	4,225.10	\$ 384.00	\$ 4,435
Standard	TSA	MDQ	PKU02308	Tirau DF	TIR33501	N/A	440,329.85	\$ 384.00	\$ 462,188
Standard	TSA	MDQ	PKU02308	Tokoroa	TKR19701	N/A	151,568.53	\$ 384.00	\$ 159,079
Standard	TSA	MDQ	PKU02308	Waikeria	WKE19201	N/A	24,150.23	\$ 384.00	\$ 25,345
Standard	TSA	MDQ	PKU02308	Whakatane	WHK32101	N/A	81,165.18	\$ 516.00	\$ 114,477
Standard	TSA	MDQ	OFF15901	Pungarehu No 1	PGU13101	N/A	209.19	\$ 87.00	\$ 50
Standard	TSA	MDQ	OFF15901	Pungarehu No 2	PGH15901	N/A	762.17	\$ 87.00	\$ 181
Standard	TSA	MDQ	RTW3203	Alfriston	ALF15501	N/A	18,300.00	\$ 373.00	\$ 18,657
Standard	TSA	MDQ	RTW3203	Drury 1	DRU115101	N/A	245,424.31	\$ 373.00	\$ 250,236
Standard	TSA	MDQ	RTW3203	Flat Bush	FLB15601	N/A	579,744.00	\$ 373.00	\$ 591,066
Standard	TSA	MDQ	RTW3203	Glenbrook	GLB03401	N/A	2,590,772.99	\$ 373.00	\$ 2,641,374
Standard	TSA	MDQ	RTW3203	Greater Auckland	GTA03610	N/A	13,894,480.63	\$ 373.00	\$ 14,165,848
Standard	TSA	MDQ	RTW3203	Harrisville 2	HAR11802	N/A	472,121.41	\$ 373.00	\$ 481,354
Standard	TSA	MDQ	RTW3203	Hunua	HUN15301	N/A	134,688.00	\$ 373.00	\$ 137,318
Standard	TSA	MDQ	RTW3203	Hunua (Nova)	HUN15302	N/A	126,270.00	\$ 373.00	\$ 128,736
Standard	TSA	MDQ	RTW3203	Hunua 3	HUN15303	N/A	292,800.00	\$ 373.00	\$ 298,518
Standard	TSA	MDQ	RTW3203	Kingseat	KIG16801	N/A	-	\$ 373.00	\$ -
Standard	TSA	MDQ	RTW3203	Marsden 2	MSD01802	N/A	7,190.60	\$ 567.00	\$ 11,146
Standard	TSA	MDQ	RTW3203	Pukekohe	PUK04201	N/A	86,593.10	\$ 373.00	\$ 88,286
Standard	TSA	MDQ	RTW3203	Ramarama	RAM15201	N/A	34,211.55	\$ 373.00	\$ 34,882
Standard	TSA	MDQ	RTW3203	Tuakau 2	TUK06502	N/A	1,310,620.68	\$ 373.00	\$ 1,336,239
Standard	TSA	MDQ	RTW3203	Waitoki	WTK33901	N/A	214,322.28	\$ 373.00	\$ 218,508
Standard	TSA	MDQ	RTW3203	Waiuku	WKU16901	N/A	63,200.56	\$ 373.00	\$ 64,442
Standard	TSA	MDQ	RTW3203	Warkworth	WRK18901	N/A	21,116.74	\$ 567.00	\$ 32,726
Standard	TSA	MDQ	RTW3203	Wellsford	WEL18301	N/A	1,198.05	\$ 567.00	\$ 1,856
Standard	TSA	MDQ	RTW3203	Whangarei	WHG07501	N/A	144,037.69	\$ 567.00	\$ 223,224
Standard	TSA	MDQ	RTS13201	Greater Hamilton	GTH11301	N/A	1,940,071.10	\$ 178.00	\$ 943,896
Standard	TSA	MDQ	TEK28701	Cambridge	CAM17201	N/A	645,342.74	\$ 384.00	\$ 677,391
Standard	TSA	MDQ	TEK28701	Horotiu	HRO16101	N/A	1,011,193.49	\$ 384.00	\$ 1,061,345
Standard	TSA	MDQ	TEK28701	Kiwitahi 1 (Peroxide)	KIW34201	N/A	366,000.00	\$ 384.00	\$ 384,152
Standard	TSA	MDQ	TEK28701	Kiwitahi 2	KIW34202	N/A	17,977.67	\$ 384.00	\$ 18,869
Standard	TSA	MDQ	TEK28701	Matangi	MTG17301	N/A	799.71	\$ 384.00	\$ 839
Standard	TSA	MDQ	TEK28701	Morrinsville	MRV16302	N/A	61,457.98	\$ 384.00	\$ 64,505
Standard	TSA	MDQ	TEK28701	Morrinsville DF	MRV16301	N/A	310,400.00	\$ 384.00	\$ 325,789
Standard	TSA	MDQ	TEK28701	Tatuanui DF	TAT16401	N/A	549,000.00	\$ 384.00	\$ 576,229
Standard	TSA	MDQ	TEK28701	Waitoa	WTA16501	N/A	533,932.35	\$ 384.00	\$ 560,417
Standard	TSA	MDQ	OFF17001	Te Kuiti North	TKN17001	N/A	32,801.99	\$ 384.00	\$ 34,428



Type	Contract	Unit	Receipt Point ID	Delivery Point	Delivery Point ID	Zone	Quantity	Price	Total
Standard	TSA	MDQ	OFF17401	Te Kuiti South	TKS17401	N/A	317,779.46	\$ 384.00	\$ 333,540
Standard	TSA	OR	F4000439	Kapuni GTP	KAP09612	No Zone	-	\$ -	\$ -
Standard	TSA	OR	OFF16601	Huntly	HTL16601	No Zone	4,016.46	\$ 2.32	\$ 9,317
Standard	TSA	OR	KAP09008	Eltham	ELM12301	No Zone	2,238.53	\$ 0.47	\$ 1,061
Standard	TSA	OR	KAP09008	Inglewood	IGW11901	No Zone	4,415.70	\$ 0.76	\$ 3,360
Standard	TSA	OR	KAP09008	Kaponga	KPA12401	No Zone	177.79	\$ 0.38	\$ 68
Standard	TSA	OR	KAP09008	Stratford	STR10201	No Zone	8,501.43	\$ 0.87	\$ 7,380
Standard	TSA	OR	KAP09004	Dannevirke	DAN05001	No Zone	3,654.20	\$ 3.25	\$ 11,864
Standard	TSA	OR	KAP09004	Foxton	FOX22101	No Zone	5,119.19	\$ 2.08	\$ 10,673
Standard	TSA	OR	KAP09004	Kaitoke	KTK23901	No Zone	1,267.66	\$ 5.42	\$ 6,865
Standard	TSA	OR	KAP09004	Kakariki	KKI23701	No Zone	1,421.60	\$ 5.10	\$ 7,245
Standard	TSA	OR	KAP09004	Kuku	KUK22401	No Zone	104.12	\$ 3.35	\$ 349
Standard	TSA	OR	KAP09004	Lake Alice	LAB20201	No Zone	1,289.13	\$ 1.52	\$ 1,966
Standard	TSA	OR	KAP09004	Levin	LVN24401	No Zone	32,998.57	\$ 2.58	\$ 85,226
Standard	TSA	OR	KAP09004	Mangaroa	MNG34001	No Zone	100.17	\$ 1.05	\$ 105
Standard	TSA	OR	KAP09004	Mangatainoka	MKG05401	No Zone	-	\$ -	\$ -
Standard	TSA	OR	KAP09004	Marion	MTN23801	No Zone	1,307.81	\$ 3.55	\$ 4,636
Standard	TSA	OR	KAP09004	Matapu	MTP20601	No Zone	20.01	\$ 8.77	\$ 176
Standard	TSA	OR	KAP09004	Pahiatua	PHT04901	No Zone	1,338.82	\$ 1.89	\$ 2,530
Standard	TSA	OR	KAP09004	Pahiatua DF	PHT04902	No Zone	25,891.31	\$ 1.07	\$ 27,667
Standard	TSA	OR	KAP09004	Palmerston North	PLN24201	No Zone	86,378.12	\$ 1.88	\$ 162,745
Standard	TSA	OR	KAP09004	Patea	PTA20901	No Zone	3,556.01	\$ 1.47	\$ 5,230
Standard	TSA	OR	KAP09004	Takapau	TKP05101	No Zone	455.08	\$ 4.33	\$ 1,970
Standard	TSA	OR	KAP09004	Waitotara	WTT20301	No Zone	-	\$ -	\$ -
Standard	TSA	OR	KAP09004	Wanganui	WAG21501	No Zone	34,965.18	\$ 1.78	\$ 62,402
Standard	TSA	OR	KAP09004	Waverley	WVY23601	No Zone	34.20	\$ 4.46	\$ 152
Standard	TSA	OR	OFF14501	Ngaruawahia	NGW14501	No Zone	598.75	\$ 2.29	\$ 1,371
Standard	TSA	OR	None	None	None	Auckland Zone	396,200.73	\$ 1.82	\$ 719,178
Standard	TSA	OR	None	None	None	Edgcumbe Zone	5,773.26	\$ 2.97	\$ 17,137
Standard	TSA	OR	None	None	None	Hastings Zone	67,370.17	\$ 4.01	\$ 270,479
Standard	TSA	OR	None	None	None	Hawera Zone	12,691.57	\$ 2.24	\$ 28,402
Standard	TSA	OR	None	None	None	Kawerau Zone	9,401.86	\$ 9.83	\$ 92,377
Standard	TSA	OR	None	None	None	Kinleith Zone	62,735.68	\$ 4.95	\$ 310,621
Standard	TSA	OR	None	None	None	Kiwitahi Zone	770.62	\$ 3.22	\$ 2,483
Standard	TSA	OR	None	None	None	Manawatu Zone	35,638.04	\$ 1.47	\$ 52,246
Standard	TSA	OR	None	None	None	Marsden	679.04	\$ 3.24	\$ 2,202
Standard	TSA	OR	None	None	None	Morrinsville Zone	15,316.85	\$ 1.67	\$ 25,518
Standard	TSA	OR	None	None	None	New Plymouth Zone	65,905.32	\$ 0.40	\$ 26,033
Standard	TSA	OR	None	None	None	Okaiawa-Manaia Zone	827.34	\$ 4.16	\$ 3,444
Standard	TSA	OR	None	None	None	South Auckland Rural Zone	42,654.13	\$ 1.28	\$ 54,541
Standard	TSA	OR	None	None	None	Tirau Zone	30,408.72	\$ 1.99	\$ 60,412
Standard	TSA	OR	None	None	None	Wellington Zone	413,230.15	\$ 2.34	\$ 965,717
Standard	TSA	OR	None	None	None	Western BayOfPlenty Zone	45,834.76	\$ 2.56	\$ 117,396
Standard	TSA	OR	OFF16701	Oakura	OKU16701	No Zone	1,444.71	\$ 0.45	\$ 644
Standard	TSA	OR	OFF13201	Okato	OKA13201	No Zone	394.61	\$ 0.64	\$ 253
Standard	TSA	OR	OFF13001	Opunake	OPK13001	No Zone	1,816.89	\$ 0.48	\$ 879
Standard	TSA	OR	OFF14101	Otorohanga	OTO14101	No Zone	1,481.02	\$ 1.81	\$ 2,685
Standard	TSA	OR	OFF31101	Pirongia	PIR31101	No Zone	133.46	\$ 4.09	\$ 546
Standard	TSA	OR	OFF31101	Te Awamutu DF	TAC31001	No Zone	29,358.69	\$ 2.22	\$ 65,049
Standard	TSA	OR	PKU02308	Broadlands	BRO36301	No Zone	3,358.63	\$ 2.36	\$ 7,912
Standard	TSA	OR	PKU02308	Gisborne	GIS07810	No Zone	33,636.11	\$ 5.87	\$ 197,474
Standard	TSA	OR	PKU02308	Kihikihi (Te Awamutu)	KIH19101	No Zone	10,873.12	\$ 2.35	\$ 25,570
Standard	TSA	OR	PKU02308	Lichfield 2	LCF20011	No Zone	45,603.14	\$ 1.11	\$ 50,778
Standard	TSA	OR	PKU02308	Lichfield DF	LCF20010	No Zone	22,216.57	\$ 1.64	\$ 36,438
Standard	TSA	OR	PKU02308	Okoroire Springs	OKS32801	No Zone	31.73	\$ 1.10	\$ 35
Standard	TSA	OR	PKU02308	Opotiki	OPO32001	No Zone	366.23	\$ 8.31	\$ 3,045
Standard	TSA	OR	PKU02308	Putaruru	PTR32601	No Zone	2,308.47	\$ 2.99	\$ 6,910
Standard	TSA	OR	PKU02308	Rangioru	RAG33401	No Zone	5,525.01	\$ 10.99	\$ 60,718
Standard	TSA	OR	PKU02308	Reporoa	RPR30801	No Zone	8,682.95	\$ 2.08	\$ 18,061
Standard	TSA	OR	PKU02308	Rotorua	ROT08101	No Zone	34,633.02	\$ 3.70	\$ 128,244
Standard	TSA	OR	PKU02308	Taupo	TAU07001	No Zone	23,647.04	\$ 2.57	\$ 60,815
Standard	TSA	OR	PKU02308	Te Teko	TTK30601	No Zone	1,021.80	\$ 12.82	\$ 13,104
Standard	TSA	OR	PKU02308	Tokoroa	TKR19701	No Zone	5,592.81	\$ 2.41	\$ 13,453

Type	Contract	Unit	Receipt Point ID	Delivery Point	Delivery Point ID	Zone	Quantity	Price	Total
Standard	TSA	OR	PKU02308	Waikeria	WKE19201	No Zone	801.65	\$ 7.16	\$ 5,743
Standard	TSA	OR	PKU02308	Whakatane	WHK32101	No Zone	5,004.78	\$ 3.82	\$ 19,105
Standard	TSA	OR	OFF15901	Pungarehu No 1	PGU13101	No Zone	13.37	\$ 2.38	\$ 32
Standard	TSA	OR	OFF15901	Pungarehu No 2	PGH15901	No Zone	94.59	\$ 0.37	\$ 35
Standard	TSA	OR	RTW3203	Glenbrook	GLB03401	No Zone	45,433.57	\$ 2.11	\$ 96,067
Standard	TSA	OR	RTW3203	Waiuku	WKU16901	No Zone	345.57	\$ 10.02	\$ 3,463
Standard	TSA	OR	RTW3203	Warkworth	WRK18901	No Zone	1,824.20	\$ 4.36	\$ 7,951
Standard	TSA	OR	RTW3203	Wellsford	WEL18301	No Zone	493.16	\$ 8.51	\$ 4,199
Standard	TSA	OR	RTW3203	Whangarei	WHG07501	No Zone	11,962.52	\$ 3.64	\$ 43,571
Standard	TSA	OR	RTS13201	Greater Hamilton	GTH11301	No Zone	110,150.91	\$ 0.98	\$ 107,658
Standard	TSA	OR	TEK28701	Cambridge	CAM17201	No Zone	20,725.11	\$ 1.72	\$ 35,719
Standard	TSA	OR	TEK28701	Horotiu	HRU16101	No Zone	741.96	\$ 2.96	\$ 2,195
Standard	TSA	OR	TEK28701	Matangi	MTG17301	No Zone	429.44	\$ 4.30	\$ 1,849
Standard	TSA	OR	TEK28701	Tatuanui DF	TAT16401	No Zone	69.00	\$ 8.56	\$ 591
Standard	TSA	OR	TEK28701	Waitoa	WTA16501	No Zone	42,271.70	\$ 1.16	\$ 49,161
Standard	TSA	OR	OFF17001	Te Kuiti North	TKN17001	No Zone	2,322.92	\$ 2.64	\$ 6,134
Standard	TSA	OR	OFF17401	Te Kuiti South	TKS17401	No Zone	517.56	\$ 4.76	\$ 2,465
Standard	TSA	GJ	F4000439	Kapuni (Lactose et al)	KAP12901	N/A	35,784.99	\$ 0.29	\$ 10,378
Standard	TSA	GJ	F4000439	Ballance 8201	BAL08201	N/A	3,265,561.91	\$ 0.29	\$ 947,013
Standard	TSA	GJ	F4000439	Ballance 9626	BAL09626	N/A	3,951,682.00	\$ 0.29	\$ 1,145,988

Appendix 3: $P_{i,2020}, Q_{i,2020}$ from non-standard prices for the 2020 Assessment Period

$P_{i,2020}, Q_{i,2020}$

Revenue from non-standard prices **\$ 24,771,987**

Contract	Unit	Receipt Point ID	Delivery Point	Delivery Point ID	Zone	Quantity	Price	Total
FGL17001	DAY	RTW3203	Greater Auckland	GTA03610	N/A	366	208.03	\$ 76,137.92
FGL17001	OR	RTW3203	Greater Auckland	GTA03610	N/A	-	10.19	\$ -
FGL17001	GJ	RTW3203	Greater Auckland	GTA03610	N/A	242,916	0.42	\$ 102,340.62
FGL17001	MDQ	F4000439	Greater Auckland	GTA03610	N/A	512,766		
FGL17005	DAY	TEK28701	Te Rapa Cogen	TRC02003	N/A	366	2,436.00	\$ 891,576.00
FGL17005	OR	TEK28701	Te Rapa Cogen	TRC02003	N/A	-	1.07	\$ -
FGL17005	GJ	TEK28701	Te Rapa Cogen	TRC02003	N/A	3,810,113	0.06	\$ 228,606.78
FGL17005	MDQ	TEK28701	Te Rapa Cogen	TRC02003	N/A	8,491,200		
FGL17006	Other	TEK28701	Te Rapa Cogen	TRC02003	N/A	1,098	11.80	\$ 12,952.74
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	MDQ	KAP09008	Pokuru 2 Delivery	PKD02402	N/A	5,173,052	0.37	\$ 1,914,029.24
FGL17010	GJ	KAP09008	Pokuru 2 Delivery	PKD02402	N/A	5,173,052		
FGL17011	DAY	RTW3203	Northland Dairy Factories	NDF33601	N/A	366	5,590.65	\$ 2,046,177.47
FGL17011	OR	RTW3203	Northland Dairy Factories	NDF33601	N/A	-	14.43	\$ -
FGL17011	GJ	RTW3203	Northland Dairy Factories	NDF33601	N/A	936,608	0.06	\$ 58,912.67
FGL17011	MDQ	RTW3203	Northland Dairy Factories	NDF33601	N/A	1,418,250		
FGL17012	MDQ	KUP37501	Frankley Road-Bi	F4000439	N/A	1,375,965	0.29	\$ 399,029.85
FGL17012	GJ	KUP37501	Frankley Road-Bi	F4000439	N/A	1,375,965		
FGL17012	OR	KUP37501	Frankley Road-Bi	F4000439	N/A	18,517	2.22	\$ 41,107.74
FGL17015	MDQ	KAP09004	Hastings	HST05210	N/A	306,105	0.70	\$ 214,273.50
FGL17015	GJ	KAP09004	Hastings	HST05210	N/A	306,105		
FGL17015	OR	KAP09004	Hastings	HST05210	N/A	4,661	9.34	\$ 43,537.30
FGL17016	MDQ	RTW3203	Marsden 1	MSD01801	N/A	-	0.98	\$ -
FGL17016	OR	RTW3203	Marsden 1	MSD01801	N/A	-	14.43	\$ -
FGL17016	GJ	RTW3203	Marsden 1	MSD01801	N/A	-		
FGL17017	OR	KAP09004	Mokoia	MOK35801	N/A	-	8.49	\$ -
FGL17017	GJ	KAP09004	Mokoia	MOK35801	N/A	1,403	1.04	\$ 1,459.12
FGL17017	GJ	KAP09004	Mokoia	MOK35801	N/A	109,800		
FGL17018	DAY	RTW3203	Warkworth	WRK18901	N/A	366	669.22	\$ 244,935.00
FGL17018	OR	RTW3203	Warkworth	WRK18901	N/A	-	14.34	\$ -
FGL17018	GJ	RTW3203	Warkworth	WRK18901	N/A	280,861	0.55	\$ 154,473.56
FGL17018	MDQ	RTW3203	Warkworth	WRK18901	N/A	549,000		
FGL17020	DAY	F4000439	Stratford 3 Delivery Point	STR00511	N/A	366	5,510.48	\$ 2,016,837.21
FGL17020	OR	F4000439	Stratford 3 Delivery Point	STR00511	N/A	-	0.32	\$ -
FGL17020	MDQ	F4000439	Stratford 3 Delivery Point	STR00511	N/A	54,651,507		
FGL17020	OR	STR00513	Frankley Road-Bi	F4000439	N/A	-	0.32	\$ -
FGL17021	Other	F4000439	Stratford 2	STR00521	N/A	732	18.94	\$ 13,865.76
FGL17022	DAY	F4000439	Stratford 2	STR00521	N/A	366	5,051.28	\$ 1,848,767.45
FGL17022	OR	F4000439	Stratford 2	STR00521	N/A	-	1.01	\$ -
FGL17022	MDQ	F4000439	Stratford 2	STR00521	N/A	18,300,000		
FGL17023	DAY	KUP37501	Frankley Road out to Maui	FOUT0001	N/A	366	6,520.28	\$ 2,386,422.48
FGL17023	OR	KUP37501	Frankley Road out to Maui	FOUT0001	N/A	-	0.58	\$ -
FGL17023	GJ	KUP37501	Frankley Road out to Maui	FOUT0001	N/A	12,026,860	-	\$ -
FGL17023	MDQ	KUP37501	Frankley Road out to Maui	FOUT0001	N/A	13,981,200		

Contract	Unit	Receipt Point ID	Delivery Point	Delivery Point ID	Zone	Quantity	Price	Total
FGL17024	DAY	KUP37501	Kapuni GTP	KAP09612	N/A	366	1.00	\$ 366.00
FGL17024	OR	KUP37501	Kapuni GTP	KAP09612	N/A	26,193	0.58	\$ 15,191.93
FGL17024	GJ	KUP37501	Kapuni GTP	KAP09612	N/A	9,150,000	-	\$ -
FGL17024	MDQ	KUP37501	Kapuni GTP	KAP09612	N/A			
FGL17026	Other	KAP09004	Tawa B (Nova)	TWB24810	N/A	12	3,231.19	\$ 38,774.31
FGL17027	Other	F4000439	TCC (Taranaki Combined Cycle)	TCC00201	N/A	732	18.94	\$ 13,865.76
FGL17028	DAY	F4000439	TCC (Taranaki Combined Cycle)	TCC00201	N/A	366	6,658.50	\$ 2,437,011.63
FGL17028	OR	F4000439	TCC (Taranaki Combined Cycle)	TCC00201	N/A	-	1.04	\$ -
FGL17028	MDQ	F4000439	TCC (Taranaki Combined Cycle)	TCC00201	N/A	23,424,000		
FGL17028	GJ	F4000439	TCC (Taranaki Combined Cycle)	TCC00201	N/A	4,998,104		
FGL17030	DAY	PKU02308	Whakatane	WHK32101	N/A	366	3,704.00	\$ 1,355,664.00
FGL17030	OR	PKU02308	Whakatane	WHK32101	N/A	20	14.10	\$ 283.65
FGL17030	GJ	PKU02308	Whakatane	WHK32101	N/A	966,302	0.06	\$ 57,978.09
FGL17030	MDQ	PKU02308	Whakatane	WHK32101	N/A	1,244,400		
FGL17031	DAY	RTW3203	Greater Auckland	GTA03610	N/A	366	712.35	\$ 260,720.00
FGL17031	OR	RTW3203	Greater Auckland	GTA03610	N/A	-	4.45	\$ -
FGL17031	MDQ	RTW3203	Greater Auckland	GTA03610	N/A	585,600		
FGL17034	DAY	F4000439	Kapuni GTP	KAP09612	N/A	366	22.68	\$ 8,300.16
FGL17036	DAY	RTW3203	Marsden 1	MSD01801	N/A	366	20,893.83	\$ 7,647,141.96
FGL17036	OR	RTW3203	Marsden 1	MSD01801	N/A	-	14.43	\$ -
FGL17036	GJ	RTW3203	Marsden 1	MSD01801	N/A	2,806,093	0.06	\$ 176,503.25
FGL17036	MDQ	RTW3203	Marsden 1	MSD01801	N/A	5,300,400		
FGL17038	MDQ	TAR95200	Kapuni GTP	KAP09612	N/A	868,981	0.07	\$ 60,828.67
FGL17038	GJ	TAR95200	Kapuni GTP	KAP09612	N/A	-	0.58	\$ -

STP charges⁷

P_{i2020}, Q_{i2020}

Revenue from STP charges	\$ 3,385,861
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Contract	Unit	Receipt Point	Delivery Point	Delivery Point ID	Zone	Quantity	Price	Total
Frankley Rd to Kupe Production Station - STP	GJ	F4000439	Kupe Delivery Point	KUP37503	N/A	4,141	0.29	\$ 1,200.85
Frankley Road to Kaimiro - STP	GJ	F4000439	Kaimiro Mixing Station Delivery	KAI07602	N/A	162,549	0.29	\$ 47,139.21
Frankley Road to Kapuni GTP - STP	GJ	F4000439	Kapuni GTP	KAP09612	N/A	9,413,939	0.29	\$ 2,730,042.39
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	2,094,754	0.29	\$ 607,478.66
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	\$ -

⁷ 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: 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:⁸

- 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

⁸ Extracted from Firstgas' standard 06121 Incident and Emergency Classification

Appendix 5: Director certificate for compliance

We, Mark Adrian Ratcliffe, and Fiona Ann Oliver, being Directors of First Gas Limited certify that, having made all reasonable enquiry, to the best of our knowledge and belief, the attached Compliance Statement of First Gas 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: Mark Adrian Ratcliffe



Director: Fiona Ann Oliver

Date: 17 February 2021

Date: 17 February 2021

Appendix 6: Auditor assurance



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

Opinion

Our reasonable assurance opinion has been formed on the basis of the matters outlined in this report.

In our opinion, in all material respects, the Compliance Statement of the company for Gas Transmission Services Default Price-Quality Path compliance for the period commencing 1 October 2019 and ending 30 September 2020 (“the Compliance Statement”) has been prepared in accordance with clause 11 of Gas Transmission Services Default Price-Quality Path Determination 2017 NZCC 14 consolidating all amendments (“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 2020 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 2019 and ending 30 September 2020.

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 2019 to 30 September 2020.

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.

Management's responsibility for the Compliance Statement

Management of the company 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.

Other Matter

Page 2 of the Compliance Statement explains that the Compliance Statement first issued on 19 November 2020 has been amended and re-issued. An immaterial error in connection with Rates and Wash-up costs had been identified. Our assurance opinion on the original Compliance Statement was dated 19 November 2020 and has been replaced by this updated assurance opinion. Our assurance opinion is not modified as a result of the reissuance.

Our independence and quality control

We have complied with the independence and other ethical requirements of Professional and Ethical Standard 1 International Code of Ethics for Assurance Practitioners (Including International Independence Standards) (New Zealand) 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 agreed upon procedures 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.

KPMG
Auckland
17 February 2021