Firstgas

Information disclosure for the Maui gas transmission business

9-month disclosure period ending 30 September 2017



First Gas Limited 21 March 2018



Introduction

First Gas operates 2,500km of gas transmission pipelines (including the Maui pipeline), and more than 4,800km 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 First Gas, please visit our website www.firstgas.co.nz.

Information disclosure

This document contains First Gas' annual information disclosure for the Maui gas transmission business, for the 9-month disclosure period ending on 30 September 2017, as required by the *Gas Transmission Information Disclosure Determination (No.1) 2017* consolidating all amendments as of 14 June 2017 ("the Determination") issued by the Commerce Commission.

The following documents are provided with this information disclosure:

- Schedules 1 10: Financial and technical schedules
- Schedules 14 15: Mandatory and voluntary explanatory notes
- Schedule 19: Director certification
- · KPMG assurance report

This information disclosure was prepared on 21 March 2018.

Further information

For further information regarding this information disclosure, please contact:

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First Gas Limited
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04 979 5368

Disclaimer

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



GTB Information Disclosure Requirements Information Templates for Schedules 1–10

Company Name

Disclosure Date

Disclosure Year (year ended)

Period covered

First Gas Limited (Maui GTB)

30 March 2018

9 months

30 September 2017

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Templates for Schedules 1–10 excluding 5f–5g Template Version 4.1. Prepared 24 March 2015

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Company Name First Gas Limited (Maui GTB) For Year Ended 30 September 2017 **SCHEDULE 1: ANALYTICAL RATIOS** 9 months Period covered This schedule calculates expenditure, revenue and service ratios from the information disclosed. The disclosed ratios may vary for reasons that are company specific and, as a result, must be interpreted with care. The Commerce Commission will publish a summary and analysis of information disclosed in accordance with the ID determination. This will include information disclosed in accordance with this and other schedules, and information disclosed under the other requirements of the determination. This information is part of audited disclosure information (as defined in section 1.4 of the ID determination), and so is subject to the assurance report required by section 2.8. sch ref 1(i): Expenditure Metrics Ratio of expenditure to Ratio of quantity of gas expenditure to delivered system length (\$ per km) (\$ per TJ) Operational expenditure 50 17,047 16 5,430 10 Network 11,617 34 11 Non-network 12 13 Expenditure on assets 71 24,098 68 23,036 14 Network 15 Non-network 1,062 16 1(ii): Service Intensity Measures 17 18 338 Quantity of gas delivered per km of system length (TJ/km) 19 Volume density 20 1(iii): Composition of Revenue Requirement 21 22 (\$000) % of revenue 18.42% 23 Operational expenditure 5,274 24 Pass through and recoverable costs excluding financial incentives and wash-up 943 3.29% 6,129 21.41% 25 Total depreciation 4,251 14.85% 26 **Total revaluations** 27 Regulatory tax allowance 3,710 12.96% Regulatory profit/(loss) including financial incentives and wash-ups 16,820 58.76% 28 28,627 29 Total regulatory income 30 1(iv): Reliability 31 32 3.8784 33 Interruption rate Interruptions per 100km of system length



First Gas Limited (Maui GTB) Company Name 30 September 2017 For Year Ended 9 months SCHEDULE 2: REPORT ON RETURN ON INVESTMENT Period covered This schedule requires information on the Return on Investment (ROI) for the GTB relative to the Commerce Commission's estimates of post tax WACC and vanilla WACC. GTBs must calculate their ROI based on a monthly basis if required by clause 2.3.3 of the ID determination or if they elect to. If a GTB makes this election, information supporting this calculation must be provided in 2(iii). GTBs must provide explanatory comment on their ROI in Schedule 14 (Mandatory Explanatory Notes). This information is part of audited disclosure information (as defined in section 1.4 of the ID determination), and so is subject to the assurance report required by section 2.8. 2(i): Return on Investment Current Year CY CY-2 CY-1 30 Dec 15 30 Dec 16 30 Sep 17 ROI - comparable to a post tax WACC 6.13% 7.47% 5.89% 10 Reflecting all revenue earned Excluding revenue earned from financial incentives 5.89% 6.13% 7.47% 11 6.13% 7.47% Excluding revenue earned from financial incentives and wash-ups 12 13 Mid-point estimate of post tax WACC 5.80% 5.45% 14 6.39% 15 25th percentile estimate 5.58% 4.99% 4.64% 75th percentile estimate 7.20% 6.61% 6.26% 16 17 18 ROI - comparable to a vanilla WACC 19 8.02% 20 Reflecting all revenue earned 6.59% 6.72% 6.59% 6.72% 8.02% Excluding revenue earned from financial incentives 21 22 Excluding revenue earned from financial incentives and wash-ups 6.59% 6.72% 8.02% 23 WACC rate used to set regulatory price path 7.44% 7.44% 7.44% 25 7.08% 6.39% 5.99% Mid-point estimate of vanilla WACC 26 27 25th percentile estimate 6.27% 5.58% 5.18% 7.89% 7.20% 6.80% 75th percentile estimate 28 29 2(ii): Information Supporting the ROI (\$000) 30 31 286,756 32 Total opening RAB value 286,756 33 Opening RIV 34 35 28,642 36 Line charge revenue 37 Expenses cash outflow 6,217 38 39 Assets commissioned 6,268 40 less Asset disposals 46 3,710 Regulatory tax allowance 41 plus Other regulated income (15 42 less 16,165 43 Mid-year net cash outflows 44 45 Term credit spread differential allowance 46 47 Total closing RAB value 291,173 48 Adjustment resulting from asset allocation 73 Lost and found assets adjustment 49 291,100 50 Closing RIV 51 52 53 ROI – comparable to a vanilla WACC 8.02% 54 44.0% 55 Leverage (%) 56 Cost of debt assumption (%) 4.39% 28.0% 57 Corporate tax rate (%) 58 7.47% ROI - comparable to a post tax WACC 59



				Company Name	First G	as Limited (Mau	ıi GTB)
				For Year Ended		September 20:	
SCH	IEDULE 2: REPORT ON RETURN	ON INVESTMEN	IT	Period covered		9 months	
	chedule requires information on the Return on Inve			Account to the second s	imates of post tax W	ACC and vanilla WAG	CC. GTBs must
calcul must	ate their ROI based on a monthly basis if required b be provided in 2(iii). GTBs must provide explanaton nformation is part of audited disclosure information	by clause 2.3.3 of the ID d y comment on their ROI is	etermination or if they on a schedule 14 (Mandato	elect to. If a GTB mal ory Explanatory Note:	kes this election, info s).	ormation supporting	this calculation
sch ref							
60	2000 1.5	Nt-while DOI					
61	2(iii): Information Supporting the	Monthly ROI					
62	On anima RIV						N/A
63 64	Opening RIV						1375
65				(\$000)			
		Line charge	Expenses cash	Assets	Asset disposals	Other regulated	Monthly net cash
66	Month 1	revenue	outflow	commissioned		Income	outflows -
68	Month 2						-
69	Month 3			0			
70	Month 4				·		-
71	Month 5						+
72	Month 6						
73	Month 7						-
74	Month 8 Month 9				1		
76	Month 10						-
77	Month 11						-
78	Month 12						-
79	Total						-
80							N/A
81 82	Regulatory tax allowance						19/4
83	Term credit spread differential allow	ance					N/A
84							
85	Closing RIV						N/A
86							
87 88	Monthly ROI – comparable to a vani	II WACC					N/A
89	Monthly NOT - comparable to a valid	III WACC					1.77.
90	Monthly ROI – comparable to a post	tax WACC					N/A
91							
92	2(iv): Year-end ROI rates for comp	parison purposes					
93	Very and BOL comparable to a year	IIIa WACC					5.80%
94 95	Year-end ROI – comparable to a vani	ina wacc					3,0070
96	Year-end ROI – comparable to a post	t tax WACC					5.26%
97							
98	* The year-end ROI values are comparable to the ROI reported in pre 2012 disclosures by GTBs and do not represent the Commission's current view on ROI.						
99	2(v): Financial Incentives and Was	sh-Uns					
100	Livi i manciai meentives and was	о о ро					
102	Net recoverable costs allowed under	incremental rolling incen	tive scheme				
103	Other financial incentives						
104	Financial incentives				*		-
105	Impact of financial insentings on POI						
106	Impact of financial incentives on ROI						
107	Input methodology claw-back						
109	Recoverable customised price-quality	y path costs					
110	Other wash-ups						
111	Wash-up costs						-
112	Impact of week up code on POI						
113	Impact of wash-up costs on ROI						



	Company Name First C	Gas Limited (Maui GTB)
		0 September 2017
	HEDULE 3: REPORT ON REGULATORY PROFIT Period covered	9 months
	schedule requires information on the calculation of regulatory profit for the GTB for the disclosure year. GTBs must complete all sections	s and must provide explanatory comment
	heir regulatory profit in Schedule 14 (Mandatory Explanatory Notes).	
This	information is part of audited disclosure information (as defined in section 1.4 of the ID determination), and so is subject to the assurance	te report required by section 2.8.
sch re		
		200
7	3(i): Regulatory Profit	(\$000)
8	Income	
9	Line charge revenue	28,642
10	plus Gains / (losses) on asset disposals	(46)
11	plus Other regulated income (other than gains / (losses) on asset disposals)	31
12	,	
13	Total regulatory income	28,627
14	Expenses	**************************************
15	less Operational expenditure	5,274
16		
17	less Pass-through and recoverable costs excluding financial incentives and wash-ups	943
18		
19	Operating surplus / (deficit)	22,409
20		
21	less Total depreciation	6,129
22		
23	plus Total revaluations	4,251
24		
25	Regulatory profit / (loss) before tax	20,531
26		
27	less Term credit spread differential allowance	
28		
29	less Regulatory tax allowance	3,710
30		45,000
31	Regulatory profit/(loss) including financial incentives and wash-ups	16,820
32		Salar Maries
33	3(ii): Pass-through and Recoverable Costs excluding Financial Incentives and Wash-Ups	(\$000)
34	Pass through costs	
35	Rates	399
36	Commerce Act levies	355
37	Industry Levies	11
38	CPP specified pass through costs	
39	Recoverable costs excluding financial incentives and wash-ups	
40	Balancing gas costs	178
41	Other recoverable costs excluding financial incentives and wash-ups Pass-through and recoverable costs excluding financial incentives and wash-ups	943
42	Pass-through and recoverable costs excluding illiancial incentives and wash-ups	343
43	ann a chaire	
44	3(iii): Incremental Rolling Incentive Scheme	(\$000)
45		CY-1 CY
46		30 Sep 16 30 Sep 17
47	Allowed controllable opex	
48	Actual controllable opex	
49	Incremental change in year	
50	incremental change in year	
51		Previous years'
		Previous years' incremental
		incremental change adjusted
52		change for inflation
53	CY-5 30 Sep 12	
54	CY-4 30 Sep 13	
55	CY-3 30 Sep 14	
56	CY-2 30 Sep 15	
57	CY-1 30 Sep 16	
58	Net incremental rolling incentive scheme	
59		
60	Net recoverable costs allowed under incremental rolling incentive scheme	<u> </u>
61 62	3(iv): Merger and Acquisition Costs	
63	Strate Michael and Acquisition 6000	(\$000)
64	Merger and acquisition expenditure	
65		
	Provide commentary on the benefits of merger and acquisition expenditure to the gas transmission business, including req	uired disclosures in accordance with
66	section 2.7, in Schedule 14 (Mandatory Explanatory Notes)	
67		
68	3(v): Other Disclosures	
69		(\$000)
70	Self-insurance allowance	



Comparison Com	FEDULE 4: REPORT ON VALUE OF THE REGULATORY ASSET BASE (ROLLED FORWARD) Foreign developed and the includion of the frequency local, bit includes included and the frequency lates and the frequency l				Tames dundance		וווזר מפז בווווורם (ואפתו מום)	1-10
Ψ 용 5 g	Ψ 용 5 B			F	or Year Ended	30 8	eptember 2017	
f 5 F	f is a second se	SC	HEDULE 4: REPORT ON VALUE OF THE REGULATORY ASSET BASE (ROLLED FORWAR		Period covered		9 months	
		This com assu	chedule requires, information on the calculation of the Regulatory Asset Base (RAB) value to the end of this disclosure year. This information to the value of their RAB in Schedule 14 (Mandatory Explanatory Notes). This information is part of audited disclosure information response by section 2.8s.	ms the ROI calculatio on (as defined in sect	ion 1.4 of the ID de	Bs must provide exp termination), and so	lanatory Is subject to the	
		sch re						
		7		RAB	RAB	RAB	RAB	RAB
		00	for year ended	30 Dec 13 (\$000)	30 Dec 14 (\$000)	30 Dec 15 (\$000)	(\$000)	(\$000)
		10	Total opening RAB value	295,513	294,884	290,850	284,498	286,756
		# #	less Total depredation	7,373	1,571	2,773	7,897	6,129
		13			******	CAC	000 0	4 354
		14	plus Total revaluations	4,803	7,234	747	2,300	Cyfn
		18	plus Assets commissioned	1,941	1,303	1,796	6,355	6,268
		17	less Asset disposals			219	20	46
		19						
		20 :	plus Lost and found assets adjustment		= 8			
		7 77	pius Adjustment resulting from asset allocation					72
		23		200 000	028 000	284 498	286.756	291.173
		2 2	Total closing KAB Value	Look Co.				
		26	4(ii): Unallocated Regulatory Asset Base					
		27			Unallocate (\$000)		(\$000)	(\$00
<u> </u>		29				288,731		286,756
		30			_	7,085	_	6,129
		32	plus				J I	
		33	Total revaluations			4,280	_	4,251
		34			9,714		347	
		36	Assets acquired from a regulated supplier		1003		- 2 0 2	
		37	Assets acquired from a related party Assets commissioned		776'6	15,636	4400	6,268
		39				L		
		40	Asset disposals (other than below)		46		46	
		41	Asset disposals to a regulated supplier					
		43	Asset disposals	J.		46		4
		44					L	
		45	plus Lost and found assets adjustment		_			
		46					_	7.
		47	plus Adjustment resulting from asset allocation				_	
		49	Total dosing RAB value		_	301,516		291,173
* The hinding BAB's the total value of those assets used whally or partially to provide and transmission services without any allowance being made for the allocation of costs to services provided by the			The "unallocated RAB" is the total value of those assets used wholiv or partially to provide ags transmission services without any	y allowance being m	ade for the allocation	on of costs to service:	s provided by the sup	pplier that are



Commerce Commission Information Disclosure Template



First Gas Limited (Maui GTB)



First Gas Limited (Maui GTB) Company Name 30 September 2017 For Year Ended SCHEDULE 5a: REPORT ON REGULATORY TAX ALLOWANCE 9 months Period covered This schedule requires information on the calculation of the regulatory tax allowance. This information is used to calculate regulatory profit/loss in Schedule 3 (regulatory profit). GTBs must provide explanatory commentary on the information disclosed in this schedule, in Schedule 14 (Mandatory Explanatory Notes). This information is part of audited disclosure information (as defined in section 1.4 of the ID determination), and so is subject to the assurance report required by section section 1.4 of the ID determination. 5a(i): Regulatory Tax Allowance (\$000) 20,531 Regulatory profit / (loss) before tax 8 6,129 10 Total depreciation plus 11 Tax depreciation 4,240 Permanent differences: 12 13 Income not included in regulatory profit / (loss) before tax but taxable Expenditure or loss in regulatory profit / (loss) before tax but not deductible 391 14 15 16 **Total revaluations** less 17 Income included in regulatory profit / (loss) before tax but not taxable 18 Expenditure or loss deductible but not in regulatory profit / (loss) before tax (3,860) 19 20 Temporary differences: Income not included in regulatory profit / (loss) before tax but taxable 21 22 Expenditure or loss in regulatory profit / (loss) before tax but not deductible 113 23 24 Income included in regulatory profit / (loss) before tax but not taxable Expenditure or loss deductible but not in regulatory profit / (loss) before tax 25 26 113 27 Notional deductible interest 5,421 28 29 Regulatory taxable income 13,252 30 31 Utilised tax losses Regulatory net taxable income 13,252 32 33 34 Corporate tax rate (%) 3,710 35 Regulatory tax allowance 36 37 * Workings to be provided in Schedule 14 38 39 40 5a(ii): Disclosure of Permanent and Temporary Differences In Schedule 14, Box 5 and Box 6, provide descriptions and workings of items recorded in the asterisked categories in Schedule 5a(i). 41 42 5a(iii): Reconciliation of Tax Losses (\$000) 43 44 Opening tax losses 45 46 Current period tax losses Utilised tax losses 47 48 Closing tax losses 5a(iv): Regulatory Tax Asset Base Roll-Forward 49 50 (\$000) 51 Opening sum of regulatory tax asset values 47,647 4,240 52 less Tax depreciation 6.239 Regulatory tax asset value of assets commissioned 53 plus 54 Regulatory tax asset value of asset disposals 46 less 55 plus Lost and found assets adjustment 56 Adjustment resulting from asset allocation 41 Other adjustments to the RAB tax value 57 49,641 58 Closing sum of regulatory tax asset values



Standing branch of selected and varianted by RRTY T restance of related party Transactions a schedule provided in from all on the valuation of related party Transactions as each of the 10 determination, and so is subject to the associance report required by programmary—Related Party Transactions (\$500) Total regulatory income Copier related party transactions (\$600) Second Recoverable (\$600) First Gas Limited Name of related party Transactions (\$600) First Gas Limited Name of related party Transactions (\$600) First Gas Limited Solid): Related Party Transactions (\$600) First Gas Limited Solid): Related Party Transactions (\$600) First Gas Limited Solid (\$600) First Gas Limited Solid (\$600) First Gas Limited First Gas Limited Solid (\$600) First Gas Limited Fir					Company Name		First G	First Gas Limited (Maui GTB)
SCHEDULE 5b: REPORT ON RELATED PARTY In accordance with section 3.2 and 2.3 of the 10 determination. The streetile good as information is a cellment in section 3.4 of the 10 determination. The streetile good as information is part of streetile party Transactions in section 3.4 of the 10 determination. The streetile good as information is part of streetile party Transactions and the streetile party Transactions a					For Year Ended		30	September 2017
Total regulatory income Secondary incomes information of related party Transactions, in accordance with section 2.3 at 2.3 at 0 ftp 10 determination.	SCI	JEDULE 5b: REPO	ORT ON RELAT	ED PARTY				9 months
Ship Summary—Related Party Transactions Sooo	his i	chedule provides informa nformation is part of audit	tion on the valuation of ted disclosure informat	of related party tra tion (as defined in	ansactions, in accordance with section 2.3.7 section 1.4 of the ID determination), and s	7 and 2.3.8 of the ID os is subject to the as	determination surance repor	required by section 2.8.
Total regulatory income Copinal coperations Copinal copinal copinal copinal Market value of asset disposals Other related party Transactions Secondary framsactions Secondary framsactions First Gas Limited Name of related party Transactions First Gas Limited First Gas Limited Copinal copin	h ref							
Operation of several disposals Other related party transactions Annet value of size of	N	5b(i): Summary—	-Related Party T	ransactions		(\$000)		
Operational expenditure Capital expenditure Analyst Variansactions Cherrelated party transactions Cherrelated party transactions Name of related party First Gas Limited Name of related party Transaction Type Related Party Transaction Type Spl(iii): Related Party Transaction Type Related Party Transaction Type Related Party Transaction Type Spl(iii): Related party Transaction Type	00	Total regul	atory income			661		
Copiel exponeliture Market volue of sastet disposarions Other related party transactions Other related party transactions Name of related party annuactions Name of related party Transactions First Gas Limited Selected blint Venture) Gas Services Joint Venture) Selected blint Venture) Gas Services Joint Venture) Gas contracting services G	6	Operationa	al expenditure			2,720		
Other related party transactions Other related party transactions Other related party transactions Other related party transactions Name of related party transactions First Gas Limited Sh (iii): Related Party Transactions Related party Transactions Related party Transactions Related party Transactions Related party Transaction Tows if needed Sales Gas Services (Joint Venture) First Gas Limited Gas Services (Joint Venture) First Gas Limited Gas Services (Joint Venture) Gas Contracting services on the Mauli pipeline Gas Contracting services on the Mauli pipeline Gas Contracting services on the Mauli pipeline Gas Contracting services Gas Contract	07	Capital exp	enditure			7,127		
Sb(ii): Entities Involved in Related Party Transactions Name of related party Transactions First Gas Limited Include additional rows if needed Sb(iii): Related Party Transactions First Gas Limited Sass Services Joint Venture and First Gas Limited have some common ultimate owners First Gas Limited Sass Services Joint Venture and First Gas Limited have some common ultimate owners Sales of Gas Contracting services on the Maul pipeline Gas Services (Joint Venture) First Gas Limited Gas Services (Joint Venture) Oper Gas Contracting services First Gas Limited Oper Gas Contracting services First Gas Limited Oper Gas pervices (Joint Venture) Oper Gas pervices (Joint Venture) Oper Gas pervices (Joint Venture) Description of transaction Sales Gas contracting services First Gas Limited Oper Gas pervices (Joint Venture) Oper Gas pervices (Joint Venture) Oper Gas pervication inbalance on the Maul 1,717 (D clause 2.3) First Gas Limited Oper Gas pervices operational imbalance on the Maul 1,717 (D clause 2.3)	11	Market val	ue of asset disposals	Recoverable in	amo	3.516		
Name of related party Transactions Related party Transactions	77	Other relat	ed party transactions		sts	1,717		
Gas Services Joint Venture	13	5b(ii): Entities Inv	olved in Relate	d Party Trans	sactions			
First Gas Limited Sb(iii): Related Party Transaction Name of related party Name of related party Transaction Tran	4 0	Nama Gas Service	e of related party		Gas Services Joint Venture and First Gas L	Related pare some co	arty relations	ip te owners
* include additional rows if needed * Include additional rows if needed * Include additional rows if needed * Related party Transaction Type Related party transaction Type Related party transaction Type First Gas Limited Capex Cas contracting services	1 !		1,4-1					
* include additional rows if needed Sb(iii): Related Party Transactions Related Party Transaction Type Related Party Transaction Party Related Party Transaction Type Related Party Transaction Opex Related Party Transaction Type Related Party Transaction Type Related Party Transaction Type Related Party Transaction Opex Related Party Trans	10	FIRST GAS II	mited		Owner of the gas transmission pipeline			
* include additional rows if needed Sb(iii): Related Party Transactions Name of related party Name of related party Transaction Type Sales Gas Transmission services on the Maui pipeline Gas Services (Joint Venture) Gas Services (Joint Venture) Gas Services (Joint Venture) Gas purchased from Transmission pipeline J.717 ID clause 2.3 First Gas Limited Gas contracting services Gas purchased from Transmission pipeline J.717 ID clause 2.3 First Gas Limited J.717 ID clause 2.3 First Gas Limited J.717 ID clause 2.3 First Gas Limited J.717 ID clause 2.3	, 0							
Sb(iii): Related Party Transaction Name of related party Name of related party Name of related party Name of related party Transaction Type Sales Gas Transaction of transaction First Gas Limited Gas Services (Joint Venture) Gas Services (Joint Venture) Gas Services (Joint Venture) Gas Services (Joint Venture) Gas Services Gas Services Gas Services Gas Contracting services Gas Contracting services Gas Services Gas Services Gas Contracting services Gas Contracting services Gas Contracting services Gas Services Gas Contracting services	9 9			_				
Related Party Transactions Related party Related party Related party Transaction (\$5000)	20	* include a	dditional rows if neede	פר				
Name of related party transaction 17pe (\$000) First Gas Limited Gas Contracting services (1011 Venture) Gas Services (Joint Venture) Gas contracting services (1011 Venture) Gas contracting services (1011 Venture) Gas contracting services (1011 Venture) Gas Services (Joint Venture) Gas contracting services (1011 Venture) Gas Services (Joint Venture) Gas contracting services (Joint Venture) Gas Services (Joint Venture) Gas out an accumulated excess operational imbalance on the Maui 1,717 ID Gause 2.3 First Gas Limited Gas purchased from Transmission pipeline (1,717 ID Gause 2.3 pipeline (1,	12	5b(iii): Related Pa	arty Transaction	s				
Name of related party transaction Type Cas United Sales Cas Transmission services on the Maui pipeline 661 ID clause 2.3 Gas Services (Joint Venture) Opex Gas contracting services Gas Services (Joint Venture) Capex Gas contracting services Gas Services (Joint Venture) Sales Gas contracting services First Gas Limited Gas purchased from Transmission pipeline 63 515 ID clause 2.3 First Gas Limited Opex accumulated excess operational imbalance on the Maui 1,717 ID clause 2.3 pipeline	-			vitrea batelad			transaction	
First Gas Limited Sales Gas Transmission services on the Maui pipeline Gas Services (Joint Venture) Opex Gas contracting services Gas Services (Joint Venture) Capex Gas contracting services Gas Services (Joint Venture) Sales Gas soint Transmission pipeline First Gas Limited Opex Gas purchased from Transmission pipeline to settle pipeline pipeline Print Gas Limited Opex Accumulated excess operational imbalance on the Maui	22	Name	e of related party	transaction Typ		on	(\$000)	Basis for determining value
Gas Services (Joint Venture) Opex Gas contracting services Gas Services (Joint Venture) Capex Gas contracting services First Gas Limited Gas cold to Transmission pipeline to settle Gas purchased from Transmission pipeline to settle Gas Limited Opex Access operational imbalance on the Maui pipeline	8	First Gas Li	mited	Sales	Gas Transmission services on the Maui pi	ipeline	661	ID clause 2.3.7(2)(a)
Gas Services (Joint Venture) Capex Gas contracting services First Gas Limited Sales Gas sold to Transmission pipeline Gas purchased from Transmission pipeline to settle Gas Limited Opex pipeline Pipeline Pipeline	54	Gas Service	es (Joint Venture)	Opex	Gas contracting services		2,720	ID clause 2.3.6(2)(b)
First Gas Limited Sales Gas sold to Transmission pipeline Gas purchased from Transmission pipeline to settle Grist Gas Limited Opex accumulated excess operational imbalance on the Maui pipeline Comparison of the Maui	52	Gas Service	es (Joint Venture)	Capex	Gas contracting services		7,127	IM clause 2.2.11(5)e)
Gas purchased from Transmission pipeline to settle pipeline pipeline Gas Limited Opex Accumulated excess operational imbalance on the Maui	92	First Gas Li	mited	Sales	Gas sold to Transmission pipeline		3,516	ID clause 2.3.7(1)
29 20 21 21 22 23 24 35 36 66	22	First Gas Li	mited	Opex	Gas purchased from Transmission pipelin accumulated excess operational imbalan pipeline	ne to settle ice on the Maui	1,717	ID clause 2.3.6(2)(c)(ii)
29	83							
32 32 33 34 35 56 57	62							
22 33 34 35 56 57	20							
33	31							
53	32							
55	33							
93	34							
25	35							
37	98							
	37							
			energy of the contract of the					



00 00



S5c.TCSD Allowance

SCHEDULE 5d: REPORT ON COST ALLOCATIONS This schedule provides information on the allocation of operational costs. GTBs must provide explanatory comment on their cost allocation in Schedule 14 (Mandatory Explanatory Notes), Including on the impact of any reclassifications.		For Year Ended	303	30 September 2017 9 months	17
HEDULE 5d: REPORT ON COST ALLOCATIONS schedule provides information their cost allocation in S				9 months	
s schedule provides information on the allocation of operational costs. GTBs must provide explanatory comment on their cost allocation in S		Period covered			
This information is part of audited disclosure information (as defined in section 1.4 of the ID determination), and so is subject to the assurance report required by section 2.8.	chedule 14 (Mandato eport required by se	iry Explanatory Notes), tion 2.8.	, including on the impa	act of any reclassifi	cations.
دامو					
7 5d(i): Operating Cost Allocations					
89		Value allocated (\$000s)	ed (\$000\$)		
	Arm's length	Gas transmission	Non-gas transmission		OVABAA allocation
	deduction	services	services	Total	increase (\$000s)
Serv		46			
12 Not directly attributable					
13 Total attributable to regulated service		46			
14 Routine and corrective maintenance and inspection					
		1,161			
				•	
		1,110			
Asset replacement and renewal					
Not directly attributed to				,	
70 Total attributable to regulated service					
22 Compressor fuel					
23 Directly attributable		343			
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28 Not directly attributable					
		130			
Syst					
31 Directly attributable		1,137			
		751.1			
		1,51,137			
Net		247			
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		2.211	10.092	12.302	
		5774			
45 Operational experiment					



EDUIE 6d: REPORT ON COST ALLOCATIONS For Your Public Annual long part of the Cost Allocation of section 2.4 of the 10 determination, and so lie salpect to the salarance report required by section 2.4 of the 10 determination, and so lie salpect to the salarance report required by section 2.4 of the 10 determination, and so lie salpect to the salarance report required by section 2.4 of the 10 determination, and so lie salpect to the salarance report required by section 2.4 of the 10 determination, and so lie salpect to the salarance report required by section 2.4 of the 10 determination, and so lie salpect to the salarance report required by section 2.4 of the 10 determination, and so lie salpect to the salarance report required by section 2.4 of the 10 determination, and section 2.4 of the 10 determinati	HEDILE SEL REPORT ON COCST ALLOCATIONS Set REPORT ON COCST ALLOCATIONS Set REPORT ON COCST ALLOCATIONS Set Report of the state of state	FEDULE SEL REPORT ON COST ALLOCATIONS FEDULE SELECTION SELECT							
HEDULE 54. REPORT ON COST ALLOCATIONS Provides produce to the following on the following of the product control of the following of the product of the prod	FEDULE St. REPORT ON COST ALLOCATIONS Self Discource of the content of the cost allocation to the cost allocation	FEDULE SER REPORT OLOCYTOLAL COST ALLOCATIONS About protection the selection of techniques and selection and sele			Comp	pany Name Year Ended	First Gas Limit 30 Septe	mber 2017	18)
Title must provide explanatory comments on their cast allocation in Schoolide 14 (Mandatory Respiratory Mores), including on the impact of any reclassification of their independent of their independ	And the standards described to the scenarios letters and the scenarios of the scenarios comment on the scale and the scenarios of the scenario	And selection is not a selection of scartious factor. The nutritioning continuous on the selection of scartious factor. The nutrition is defined by scartious factor. The nutritioning continuous of the selection of scartious factor. The nutrition is defined by scartious factor. The nutrition is def	SCHEDULE 5d: REPORT ON COST ALLOC	SATIONS	Peri	od covered	9 mc	onths	
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npany Name First Gas Limited (Maui GT	- Year Ended 30 September 2017	riod covered 9 months
S	4	
		e: REPORT ON ASSET ALLOCATIONS

SCHEDULE 5e: REPORT ON ASSET ALLOCATIONS Period covered This schedule requires information on the allocation of asset values. This information of the RAB value in Schedule 4. GTBs must provide explanatory comment on their cost allocation in Schedule 4. GTBs must provide explanatory comment on their cost allocation in Schedule 4. GTBs must provide explanatory comment on their cost allocation in Schedule 4. GTBs must provide explanatory comment on their cost allocation in Schedule 4. GTBs must provide explanatory comment on their cost allocation in Schedule 4. GTBs must provide explanatory comment on their cost allocation in Schedule 4. GTBs must provide explanatory comment on their cost allocation in Schedule 4. GTBs must provide explanatory comment on their cost allocation in Schedule 4. GTBs must provide explanatory comment on their cost allocation in Schedule 4. GTBs must provide explanatory comment on their cost allocation in Schedule 4. GTBs must provide explanatory comment on their cost allocation in Schedule 4. GTBs must provide explanatory comment on their cost allocation in Schedule 4. GTBs must provide explanatory comment on their cost allocation in Schedule 4. GTBs must provide explanatory comment on their cost allocation in Schedule 4. GTBs must provide explanatory comment on their cost allocation in Schedule 4. GTBs must provide explanatory comment on their cost allocation in Schedule 4. GTBs must provide explanatory comment on their cost allocation in Schedule 4. GTBs must provide explanatory comment on their cost allocation in Schedule 4. GTBs must provide explanatory comment on their cost allocation in Schedule 4. GTBs must provide explanatory comment on their cost allocation in Schedule 4. GTBs must provide explanatory comment on their cost allocation in Schedule 4. GTBs must provide explanatory comment of the Information in Schedule 4. GTBs must provide explanatory control in Schedule 4. GTBs must provide explanatory control in Schedule 4. GTBs must provide explanatory control in Schedule 4.	For Year Ended Period covered 9 months the calculation of the RAB value in Schedule 4. GTBs must provide explanatory comment on their of locations. This information is part of audited disclosure information (as defined in section 1.4 of the services) Value allocated (\$5000s) Gas transmission services 277,078 3,250 3,250
SCHEDULE 5e: REPORT ON ASSET ALLOCATIONS This schedule requires information on the allocation of asset values. This information supports the cale Schedule 14 (Mandatory Explanatory Notes), including on the impact of any changes in asset allocation and so is subject to the assurance report required by section 2.8. sch ref 5e(i): Regulated Service Asset Values 9 Pipes 10 Pipes 11 Not directly attributable 12 Total attributable to regulated service	the calculation of the RAB value in Schedule 4. GTBs must provide explanatory comment on I locations. This information is part of audited disclosure information (as defined in section 1.4 (\$5000s) Gas transmission Services 277,078 3,250 3,250 3,250
This schedule requires information on the allocation of asset values. This information supports the call Schedule 14 (Mandatory Explanatory Notes), including on the impact of any changes in asset allocation and so is subject to the assurance report required by section 2.8. sch ref 5e(i): Regulated Service Asset Values 9 Pipes 10 Pipes 11 Not directly attributable 12 Total attributable to regulated service	the calculation of the RAB value in Schedule 4. GTBs must provide explanatory comment on a locations. This information is part of audited disclosure information (as defined in section 1.4 (\$600s) Cas transmission Services 277,078 3,250 3,250
and so is subject to the assurance report required by section 2.8. sch ref 5 Se(i): Regulated Service Asset Values Pipes	Value allocated (\$5000s) (\$5000s) Gas transmission services 277,078 3,250 3,250
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oral attributable	3,250
	3,250
Stat	3,250
	3,250
	057'6
Com	
	6,767
Not directly attr	
71 Total attributable to regulated service	6,767
Maii	
	1,266
24 Not directly attributable	
25 Total attributable to regulated service	1,266
26 Special crossings	
79 Total attributable to regulated service	
Othe	
	1,641
32 Not directly attributable	
33 Total attributable to regulated service	1,641
34 Non-network assets	
35 Directly attributable	785
36 Not directly attributable	386
37 Total attributable to regulated service	1,171
38	
	290,787
	386
41 Total closing RAB value	291,173



S5e.Asset Allocations

FEDULE SE: REPORT ON ASSET ALLOCATIONS For Year Ended For Ye	FEDULE 5e. REPORT ON ASSET ALLOCATIONS Period couped by Carlot and Seat values. This information is special to the Read volue in Schedule 4. GTB antic provide explanatory comment or belief cost allocation in his set (Annatatory begins believed to the Read volue in Schedule 4. GTB antic provide explanatory comment or belief cost allocation in his set (Annatatory begins believed to the Read volue in Schedule 4. GTB antic provide explanatory comment or belief cost allocation in his set (Annatatory begins believed to the Read volue). Set (II): Changes in sesset values allocation 2. Asset category Original allocation New allocation of the thems New allocation of the Read volue in the Re	Period covered and the RAB value in Schedule 4. GTS must provide explanatory comment to their cost allocation in impact of any changes in asset allocations. This information is part of audited disclosure information (as defined in section 14 of the ID determination is part of audited disclosure information (as defined in section 14 of the ID determination is part of audited disclosure information (as defined in section 14 of the ID determination is part of audited disclosure when completed, first Gas had recently acquired to disclosure period we have assets and defined to regulate businesses. Use of non-retwork assets have been allocated across all First Gas regulatory businesses based on head count. Cr.1 Current Vear (Cr.1 Corporate non-network assets have been allocated across all First Gas regulatory businesses based on head count. Cr.1 Current Vear (Cr.1 Corporate non-network assets have been allocated across all First Gas regulatory businesses based on head count. Cr.1 Current Vear (Cr.1 Corporate non-network assets have been allocated across all First Gas regulatory businesses based on head count. Cr.1 Current Vear (Cr.1 Corporate non-network assets have been allocated across all First Gas regulatory businesses based on head count. Cr.1 Current Vear (Cr.1 Corporate non-network assets have been allocated across all First Gas regulatory businesses based on head count. Cr.1 Current Vear (Cr.1 Current Vear	HEDULE 5e: REPORT ON ASSET ALLOCATIONS schedule requires information on the allocation of asset values. This information supports the cedule 14 (Nandatory Explanatory Notes), including on the impact of any changes in asset allocation is subject to the assurance report required by section 2.8. Se(ii): Changes in Asset Allocations the change in asset value allocation 1 Asset category Original allocator or line items New allocator or line items Head count	Period covered Period covered Retiod covered action Period covered Original allocation Original allocation New allocation Difference Differen	9 months 9 months 7 comment on their ed in section 1.4 of t CY-1 73 73 73 73 73 73 73 73 73 7	cost allocation in the ID determination), Current Year (CY) 386 Gas had recently alated business . During attect business and the total out.
### REPORT ON ASSET ALLOCATIONS Period covered ### Asset cited by section 2.8. Advancance report required by section 2.8. Advancance report required	February Secretary Secre	### FEDOLE SE: REPORT ON ASSET ALLOCATIONS Period covered The standards in formation supports the cluciation of the 8As value in Schedule 4. Gits must provide explanatory comment on their cost of the cluciation of the 1As and the 1A	HEDULE 5e: REPORT ON ASSET ALLOCATIONS schedule requires information on the allocation of asset values. This information supports the cause 14 (Mandatory Explanatory Notes), including on the impact of any changes in asset allocates so is subject to the assurance report required by section 2.8. 5e(ii): Changes in Asset Allocations* † Change in asset value allocation 1 Asset category Original allocator or line items Non-network assets Head count Head count	Period covered alculation of the RAB value in Schedule 4. GTBs must provide explanatory ons. This information is part of audited disclosure information (as defined more than the sequence of the second of the sequence of the sequence of the second of the sequence of the	9 months ry comment on their ed in section 1.4 of t CY-1 73 (73) Iisation by each regrets and have allocated regrets based on head of	cost allocation in the ID determination), Current Year (CY) 386 Gas had recently Jated business . During det their value bunt.
Se(ii): Changes in Asset value allocation 2. Set subject to the sosterine report required by section 2. Set subject to the sosterine report required by section 2. Set subject to the sosterine report required by section 2. Change in asset value allocation 1.4 of the 10 determination is part of audited disclosure information is defined in section 1.4 of the 10 determination of the solution of	Assistance in Formation or the fact of any changes in asset allocation. This information is part of authorities and the instance of any changes in asset allocation. This information is part of authorities or the impact of any changes in asset allocation. This information is part of authorities and included the information is part of authorities and included the information is adjust to be a sometime to the information of a subject to be a sometime to the information of a subject to be a sometime to the information of a subject to be a sometime to the information of a subject to be a sometime to the information of a subject to be a sometime to the information of a subject to be a sometime to the information of a subject to be a sometime to the information of a subject to be a sometime to the information of a subject to be a sometime to the information of a subject to be a sometime to the information of a subject to be a sometime to the information of a subject to be a sometime to the information of a subject to the information of a subject to be a sometime to the information of a subject to be a sometime to the information of a subject to be a sometime to the information of a subject to be a sometime to the information of a subject to be a sometime to the information of the information of information of information of information of information of information of information or information of information of information or information of information of information or information of information or information of information or information of information or information or information of information or	Assistance in securation to the leadership of security of any danger in asset allocation in the leadership of security of any danger in asset allocation. Se(ii): Changes in Asset Allocations* Change in asset value allocation at leadership of any danger in asset allocation. Change in asset value allocation and the leadership of any danger in asset allocation. Change in asset value allocation are report required by section 2.4 of the 10 decomment of any danger in asset value allocation. Change in asset value allocation are report required by section 2.4 of the 10 decommend on a subject to the assurance report required by section 2.4 of the 10 decommend on a subject to the assurance report required by section 2.4 Change in asset value allocation 2.4 Asset category Change in asset value allocation 3.4 Asset category Change in asset value allocation 2.4 Asset category Change in asset value allocation 2.4 Asset category Change in asset value allocation 3.4 Asset category Change in asset value allocation 2.4 Asset category Change in asset value allocation 3.4 Asset category Crist allocation methodology in these disclocure 4. When the solicitotic process allocation in the disclocure 4 were allocation 6.0 Crist allocation of the factory of component dumps that has occurred in the disclocure 4 were. A movement is an olicitotic recomponent component change that has occurred in the disclocure 4 were. A movement is an olicitotic recomponent change that has occurred in the disclocure 4 were. A movement is an olicitotic or component change that has occurred in the disclocure 4 move	schedule requires information on the allocation of asset values. This information supports the cdule 14 (Mandatory Explanatory Notes), including on the impact of any changes in asset allocate is subject to the assurance report required by section 2.8. 5e(ii): Changes in Asset Allocations*† Change in asset value allocation 1 Asset category Original allocator or line items Non-network assets 1100% Non-Maui Head count Head count	ons. This information is part of audited disclosure information (as defined one). Original allocation New allocation Difference ansmission businesses and did not have a clear view of relative asset when assessed each of our regulated businesses use of non-network asset twork assess have been allocated across all First Gas regulatory businesses.	cy comment on their ed in section 1.4 of their ed in section by each regular test based on head control test based on head control test in their ed in th	cost allocation in the ID determination), Current Year (CY) 386 386 Gas had recently Jated business . During their value bunt.
Se (ii): Changes in Asset Allocations † Se (ii): Changes in Asset Allocations † Asset category Change in asset volue allocation 1 Asset category Change in asset volue allocation 1 Asset category Change in asset volue allocation 2 Asset category Change in asset volue allocation 3 Asset category Corginal allocation 7 Asset category Corginal allocation 6 Corginal allocation 7 Corginal	Se(ii): Changes in Asset Allocations * † Se(ii): Changes in Asset Allocations * † Change in asset value allocation Non-network street Change in asset value allocation Non-network street Sationals for change Original allocation Non-network street Sationals for change Original allocation Original allocation	Se(ii): Changes in Asset Allocations by section 2.8. Se(ii): Changes in Asset Value allocation 1 Asset category Change in asset value allocation 1 Asset category Original allocator or line items Original allocator or line items Original allocator or line items Asset category Change in asset value allocation 2 Change in asset value allocation 2 Change in asset value allocation 2 Change in asset value allocation 3 Asset category Change in asset value allocation 3 Asset category Original allocator or line items New allocator or line items Original allocation Original allocator or line items New allocator or line items Original allocator or line items New allocator or line items Original allocator or component change that allocator or component	so is subject to the assurance report required by section 2.8. 5e(ii): Changes in Asset Allocations * † Change in asset value allocation 1 Asset category Original allocator or line items Non-network assets 1100% Non-network assets Head count Head count	Original allocation New allocation Difference Difference Satisfies and did not have a clear view of relative asset utilishave assessed each of our regulated businesses? use of non-network asset work assets have been allocated across all First Gas regulatory businesses.	CY-1 73 73 (73) (73) (73) 8ets and have allocate sets and have allocate ces based on head oc	Current Year (CY) 386 6as had recently lated business . During ted their value nunt.
Sel(ii): Changes in Asset Allocations*† Change in asset value allocation 1 Asset caregory Original allocation 1 Rationale for change Change in asset value allocation 1 Asset caregory Change in asset value allocation 2 Asset caregory Change in asset value allocation 2 Asset caregory Change in asset value allocation 2 Asset caregory Change in asset value allocation 7 Asset caregory Cryst Asset caregory Cryst Asset caregory Original allocation 7 Asset caregory Cryst Asset caregory Original allocation 7 Asset caregory Cryst Carrent Value 7 Cryst C	Se (ii): Changes in Asset Allocations (Social Monemeure) (Social Monem	Se (ii): Changes in Asset Allocations* † Asset reageny Change in asset volue allocation 1 Asset reageny Change in asset volue allocation 2 Asset cargory Change in asset volue allocation 2 Asset cargory Change in asset volue allocation 2 Asset cargory Change in asset volue allocation 3 Asset cargory Change in asset volue allocation 4 Asset cargory Change in asset volue allocation 5 Asset cargory Change in asset volue allocation 6 Change in asset volue allocation 7 Asset cargory Change in asset volue allocation 7 Cya Carrent Year (Cyanger) Change in asset volue allocation 7 Cya Carrent Year (Cyanger) Change in asset volue allocation 7 Cya Carrent Year (Cyanger) Change in asset volue allocation 7 Cya Carrent Year (Cyanger) Change in asset volue allocation 7 Cya Carrent Year (Congrain 1) Cya Carrent Year (Cyanger) Change in as	5e(ii): Changes in Asset Allocations* † Change in asset value allocation 1 Asset category Original allocator or line items New allocator or line items	Original allocation New allocation New allocation Difference Difference Sation methodology in these disclosures. When the 2016 disclosures were ansmission businesses and did not have a clear view of relative asset utilishave assessed each of our regulated businesses' use of non-network asset twork assets have been allocated across all First Gas regulatory businesses.	CY-1 73 (73) (131) (131) (131) (131) (131) (131) (131) (131)	current Year (CY) 386 386 Gas had recently Jated business . During and:
Non-network assets	Changes in Asset Allocations*† Change in asset value allocation 1 Restorale for change in asset value allocation 2 Asset category Original allocator or line items Restorale for change in asset value allocation 2 Asset category Original allocator or line items Restorale for change Restorale for change for change for chan	Illocations		Original allocation New allocation Difference Difference ansmission businesses and did not have a clear view of relative asset utilision businesses and did not have a clear view of relative asset world where assessed each of our regulated businesses? use of non-network asset twork assets have been allocated across all First Gas regulatory businesses.	CY-1 73 73 (73) (73) (73) (74) (75) (75)	Current Year (CY) 386 6as had recently lated business . During ted their value nunt.
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Non-network assets: 100% Non-Maui New allocation New allocation Part	Change in asset value allocation 1 Asset casegory Change in asset value allocation of the items New allocator or line items New allocator or	ne items Todak Non-Naui Toda		Original allocation New allocation Difference Difference ansmission businesses and did not have a clear view of relative asset utilision businesses and did not have a clear view of relative asset will answer assessed each of our regulated businesses' use of non-network asset work assets have been allocated across all First Gas regulatory businesses.	(73) (73) (73) (73) (73) (73) (73) (73)	386 386 Gas had recently lated business . During ted their value nunt.
Non-network assets Non-network assets	Asset caregory New allocation or line items Original allocation or line items New allocation or line items Original allocation or line items	rems New allocation and transmission between tassets and did not have allocation or fresh to accordingly. Corporate non-network assets have been allocated across all first Gas regulatory businesses based on head count. The source of the set	or or line items or line items	Original allocation New allocation Difference attorn methodology in these disclosures. When the 2016 disclosures wern ansmission businesses and did not have a clear view of relative asset utilisis thave assessed each of our regulated businesses' use of non-network asset twork assets have been allocated across all First Gas regulatory businesses.	73 (73) (73) Institute of First lisation by each reguests and have allocates based on head co	386 Gas had recently lated business . During Led their value Nunt.
Head count We have refined our asset allocation methodology in these disclosures. When the 2016 disclosures were completed, First Gas had recently acquired its distribution and transmission businesses and did not have a clear view of relative asset utilisation by each regulated business. Duty the 2017 disclosure period we have assessed each of our regulated businesses use of non-network assets and have allocated their value accordingly. Corporate non-network assets have been allocated across all First Gas regulatory businesses based on head count. New allocation Original allocation New allocation New allocation Original allocation New allocation New allocation New allocation Original allocation New allocation Original allocation New allocation New allocation New allocation New allocation New allocation Original allocation New allocation Original allocation Original allocation New allocation Original alloc	Original allocator or line items New allocator or line items Asset category Original allocator or line items Rationale for change in asset value allocation Change in asset value allocation Asset category Original allocator or line items Rationale for change Rationale for	The feature Tooks hon-Maui Tooks have refined our asset allocation methodology in these disclosures. When the 2016 disclosures were completed, First Gas had recently acquired its distribution and transmission businesses and did not have a clear view of realistive asset sate and have allocated their value accordingly. Corporate non-network assets have been allocated across all First Gas regulatory businesses based on haad count. Conting Cont	or line items ine items	New allocation Difference Cation methodology in these disclosures. When the 2016 disclosures wern ansmission businessee and did not have a clear view of relative asset utilising the assessed each of our regulated businesses' use of non-network asset twork assets have been allocated across all First Gas regulatory businesses.	(73) ere completed, First lisation by each reguests and have allocates based on head co	386 Gas had recently lated business . During ed their value nunt.
We have refined our asset allocation methodology in these disclosures. When the 2016 disclosures were completed, First Gas had recently acquired its distribution and transmission businesses and did not have a clear view of relative asset utilisation by each regulated businesse. Dut the 2017 disclosure period we have assessed each of our regulated businesses use of non-network assets have been allocated across all First Gas regulatory businesses based on head count. CY-1 Current Year (CY CY Current Year (CY CY CURRENT (CY CY CURRENT (CY CY CURRENT (CY CY CURRENT (CY CY CY CY CY CY CY CY	New allocator or line items Head count	Head count Head count Head count	line items	Difference action methodology in these disclosures. When the 2016 disclosures wern ansmission businesses and did not have a clear view of relative asset utilising have assessed each of our regulated businesses' use of non-network asset twork assets have been allocated across all First Gas regulatory businesses.	rere completed, First lisation by each regulacts and have allocates based on head co	386 Gas had recently lated business . During ed their value nunt.
	Rationale for change acquired to asset allocation methodology in these disclosures. When the 2016 disclosures were completed, First Gas had recently acquired its distribution and transmission businesses and did not have a clear view of relative asset utilisation by each regulated business. During the 2017 disclosure period we have assets to do ur regulated businesses to go of non-network assets and have allocated across all first Gas regulatory businesses based on the add count. Asset category Original allocation or line items Rationale for change in asset value allocation? Asset category Change in asset value allocation? Asset category Original allocator or line items New allocator or line items New allocator or line items New allocator or line items Rationale for change Rationale for change in asset value allocation in the forms of mountains and increase and and arction and arction or line items in the forms of the forms of the forms of mountains and arction or line items in the forms of the forms of mountains and arction or line items in the forms of t	location 2 ne items items location 3 ne items ttems ttems		cation methodology in these disclosures. When the 2016 disclosures wer ansmission businesses and did not have a clear view of relative asset utilision businesses and offer underwork asset have assessed each of our regulated businesses' use of non-network asset twork assets have been allocated across all First Gas regulatory businesses.	ere completed, First lisation by each regu sets and have allocat es based on head co	Gas had recently lated business . During cet their value hunt.
accordingly. Corporate non-network assets have been allocated across all First Gas regulatory businesses based on head courted accoss all First Gas regulatory businesses based on head courted to the control of the courted accoss to the control of the courted accoss to the control of the courted accordingly. Cry.1 Original allocation New allocation Difference	Change in asset value allocation 2 Asset category Original allocation or line items New allocator or line items Rationale for change Rationale for change New allocator or line items New allocator or line items Rationale for change	Change in asset value allocation 2 Asset category Original allocator or line items Rationale for change in asset allocation must be completed for each allocator or component change that has occurred in the disclosure year. A movement in an allocator metric is not a change in allocator or component		twork assets have been allocated across all First Gas regulatory businesses	es based on head co	ount. \$000)
Original allocation New allocation Difference CY-1 Coriginal allocation New allocation New allocation Difference CY-1	Asset category Original allocation 7 Asset category Original allocation 8 Asset category Original allocation 8 Asset category Original allocation 8 Asset category Original allocation 7 Asset category Original allocation 8 Asset category Original allocation 8 Asset category Original allocation 9 Asset category Asset category Original allocation 8 Asset category Original allocation 8 Asset category Asset category Original allocation 9 Asset category Original allocation 8 Asset category Original allocation 8 Asset category Original allocation 9 Asset category Ori	Change in asset value allocation 2 CY-1 Current Year (CY) Asset category Original allocator or line items New allocator or line items CY-1 Current Year (CY) Change in asset value allocation or line items Asset category Original allocator or line items CY-1 Current Year (CY) Asset category Original allocator or line items New allocator or line items CY-1 Current Year (CY) Asset category Original allocator or line items New allocator or line items CY-1 Current Year (CY)			30	The same of the sa
Original allocation New allocation New allocation Original allocation CV-1	Asset category Original allocation or line items New allocation or line items Rationale for change	Asset category Original allocation or line items Rationale for change Rationale for change in asset allocation must be completed for each allocator or component change that has occurred in the disclosure year. A movement in an allocator metric is not a change in allocator or component	Change in asset value allocation 2			Current Year (CY)
Softence CY-1 Original allocation New allocation New allocation Ofference CY-1 Original allocation New allocation Ofference CY-1	Original allocator or line items New allocator or line items Rationale for change Rationale for change Change in asset value allocation 3 Asset category Original allocator or line items New allocator or line items Rationale for change	Original allocator or line items Rationale for change in asset value allocation or line items New allocator or line items Change in asset value allocation or line items New allocator or line items New allocator or line items Rationale for change Rationale for change in asset allocation must be completed for each allocator or component thange that has occurred in the disclosure year. A movement in an allocator metric is not a change in allocator or component	Asset category	Original allocation		
CY-1 CY-1 Original allocation New allocation Difference -	Rationale for change	Retionale for change in asset value allocation must be completed for each allocator or component change in asset allocation must be completed for each allocator or component and a contract in the disclosure year. A movement in an allocator metric is not a change in allocator or lime items Retionale for change CY-1 Current Year (CY) Cyiginal allocation CY-2 Current Year (CY) Cyiginal allocation CY-3 CY-1 Current Year (CY) Cyiginal allocation CY-1 Current Year (CY) Cyiginal allocation CY-1 Current Year (CY) Cyiginal allocation CY-1 Current Year (CY) CY-1 CATHORITY (CY) CY-1 CY-1 CATHORITY (CY) CY-1	Original allocator or line items	New allocation		
(\$00 CY-1 Original allocation New allocation Difference	Change in asset value allocation 3 Asset category Original allocator or line items New allocator or line items Rationale for change Rationale for change	Change in asset value allocation 3 Asset category Original allocation New allocator or line items New allocation must be completed for each allocator or component thange that has occurred in the disclosure year, A movement in an allocator metric is not a thange in allocator or componen	New allocator or line items	Difference	•	
CY-1 Original allocation New allocation Difference Difference	Change in asset value allocation 3 Asset category Asset category Original allocation New allocation New allocation Difference Pationale for change	Change in asset value allocation 3 CY-1 Current Year (CY) Original allocation Original allocation New allocator or line items Rationale for change Rationale for change in asset allocation must be completed for each allocator or component change in allocator or component.	Rationale for change			
(\$00 Criginal allocation New allocation Difference CY-1	Change in asset value allocation 3 Asset category Asset category Original allocation New allocator or line items New allocator or line items Rationale for change Rationale for change	Change in asset value allocation 3 Asset category Original allocator or line items New allocator or line items New allocation must be completed for each allocator or component change that has occurred in the disclosure year. A movement in an allocator metric is not a change in allocator or component				
Original allocation New allocation Difference	CY-1 Current Year (CY) Asset category Original allocation New allocator or line items New allocator or line items Rationale for change Rationale for change	CY-1 Current Year (CY) Asset category Original allocation or line items New allocator or line items New allocator or line items Sationale for change Rationale for change * a change in asset allocation must be completed for each allocator or component change that has occurred in the disclosure year. A movement in an allocator metric is not a change in allocator or component			85	(000)
	Asset category Original allocation New allocation New allocation New allocation Difference Pationale for change	Asset category Original allocator or line items New allocator or line items New allocator or line items New allocator or line items Pationale for change Rationale for change * a change in asset allocation must be completed for each allocator or component change that has occurred in the disclosure year. A movement in an allocator metric is not a change in allocator or component	Change in asset value allocation 3		CY-1	Current Year (CY)
or line items	Original allocator or line items New allocator or line items New allocator or line items Pationale for change Rationale for change	Original allocator or line items New allocator or line items New allocator or line items Pationale for change Rationale for change * a change in asset allocation must be completed for each allocator or component change that has occurred in the disclosure year. A movement in an allocator metric is not a change in allocator or component	Asset category	Original allocation		
items	New allocator or line items Rationale for change	New allocator or line items Rationale for change Rationale for change Rationale for change Rationale for change Rationale for change in asset allocation must be completed for each allocator or component change that has occurred in the disclosure year. A movement in an allocator metric is not a change in allocator or component	Original allocator or line items	New allocation		
Rationale for change	Rationale for change	Rationale for change * a change in asset allocation must be completed for each allocator or component change that has occurred in the disclosure year. A movement in an allocator metric is nat a change in allocator or component	New allocator or line items	Difference	t	
	and the disclosing of an influence of the contract of the disclosing were a movement in an allocator metric is not a channel in allocator or component.	a change in asset allocation must be completed for each allocator or component change that has occurred in the disclosure year. A movement in an allocator metric is nat a change in allocator or component	Rationale for change			
	and the disciplination of the disciplination of the discipline user. A movement in an illustrator is not a channe in allocator or communent.	a change in asset allocation must be completed for each allocator or component change that has occurred in the disclosure year. A movement in an allocator metric is not a change in allocator or component				



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S5e.Asset Allocations

	Company Name	First Gas Limited (Maui GTB)
	For Year Ended	30 September 2017
SCHI	EDULE 6a: REPORT ON CAPITAL EXPENDITURE FOR THE DISCLOSURE YFerlod covered	9 months
This so receiv costs. GTBs	chedule requires a breakdown of capital expenditure on assets incurred in the disclosure year, including any assets red, but excluding assets that are vested assets. Information on expenditure on assets must be provided on an acco	ounting accruals basis and must exclude finance).
7	6a(i): Expenditure on Assets	(\$000) (\$000)
8	Consumer connection	
9	System growth	
10	Asset replacement and renewal	7,127
11	Asset relocations	
12	Reliability, safety and environment:	
13	Quality of supply	-
14	Legislative and regulatory	-
15	Other reliability, safety and environment	
16	Total reliability, safety and environment	
17	Expenditure on network assets	7,127
18	Expenditure on non-network assets	329
19		
20	Expenditure on assets	7,456
21	plus Cost of financing	68
22	less Value of capital contributions	-
23	plus Value of vested assets	
25	Capital expenditure	7,524
26	6a(ii): Subcomponents of Expenditure on Assets(where known)	
27	Research and development	
	C-/III). Common Commontion	
28	6a(iii): Consumer Connection	100 to 10
29	Connection types defined by GTB*	(\$000) (\$000)
30		
31		
32		
34		
35	* include additional rows if needed	
36	Consumer connection expenditure	
31	Top Control of Control	
38	less Capital contributions funding consumer connection expenditure	
39	Consumer connection less capital contributions	-



Company Name First Gas Limited (Maui GTB) For Year Ended 30 September 2017 9 months SCHEDULE 6a: REPORT ON CAPITAL EXPENDITURE FOR THE DISCLOSURE Y reriod covered This schedule requires a breakdown of capital expenditure on assets incurred in the disclosure year, including any assets in respect of which capital contributions are received, but excluding assets that are vested assets. Information on expenditure on assets must be provided on an accounting accruals basis and must exclude finance GTBs must provide explanatory comment on their expenditure on assets in Schedule 14 (Explanatory notes to templates). This information is part of audited disclosure information (as defined in section 1.4 of the ID determination), and so is subject to the assurance report required by section sch ref 6a(iv): System Growth and Asset Replacement and Renewal 40 Asset Replacement and System Growth Renewal 41 (\$000) (\$000) 1,890 Pipes 43 Compressor stations 4,758 44 45 Other stations 211 46 SCADA and communications 192 47 Special crossings Components of stations (where known) 48 49 Main-line valves 50 Heating system 11 51 Odorisation plants 52 Coalescers 53 Metering system 54 Cathodic protection 64 55 Chromatographs 56 System growth and asset replacement and renewal expenditure 7,127 Capital contributions funding system growth and asset replacement and renewal 57 58 System growth and asset replacement and renewal less capital contributions 7,127 59 60 6a(v): Asset Relocations 61 (\$000) (\$000) 62 Project or programme* 63 64 65 66 67 68 * include additional rows if needed 69 All other projects or programmes - asset relocations 70 Asset relocations expenditure 71 Capital contributions funding asset relocations less 72 Asset relocations less capital contributions 6a(vi): Quality of Supply 73 (\$000) (\$000) 74 Project or programme* 75 76 77 78 79 80 * include additional rows if needed 81 All other projects or programmes - quality of supply Quality of supply expenditure 82 Capital contributions funding quality of supply 83 less Quality of supply less capital contributions 84



	Company Name	First Gas Limited (Maui GTB)
	For Year Ended	30 September 2017
SCH	IEDULE 6a: REPORT ON CAPITAL EXPENDITURE FOR THE DISCLOSURE YReriod covered	9 months
This recei costs GTBs This	schedule requires a breakdown of capital expenditure on assets incurred in the disclosure year, including any asset ived, but excluding assets that are vested assets. Information on expenditure on assets must be provided on an acc s. must provide explanatory comment on their expenditure on assets in Schedule 14 (Explanatory notes to template information is part of audited disclosure information (as defined in section 1.4 of the ID determination), and so is s	counting accruals basis and must exclude finance es).
sch ref		
85	6a(vii): Legislative and Regulatory	
86	Project or programme*	(\$000) (\$000)
87	The state of the s	
88		
89		
90		
91	# Include additional range if monded	
92 93	* include additional rows if needed All other projects or programmes - legislative and regulatory	
94	Legislative and regulatory expenditure	
95	less Capital contributions funding legislative and regulatory	
96	Legislative and regulatory less capital contributions	
97		11
98	6a(viii): Other Reliability, Safety and Environment	
99	Project or programme*	(\$000) (\$000)
100		
101		
103		
104		
105	* include additional rows if needed	
106	All other projects or programmes - other reliability, safety and environment	
107	Other reliability, safety and environment expenditure	
108	less Capital contributions funding other reliability, safety and environment	
109	Other reliability, safety and environment less capital contributions	-
110		
111	6a(ix): Non-Network Assets	
112	Routine expenditure	
113	Project or programme*	(\$000) (\$000)
114	Equipment	1
115	ICT	119
116		
117 118		
118	* include additional rows if needed	
120	All other projects or programmes - routine expenditure	2
121	Routine expenditure	122
122	Atypical expenditure	
123	Project or programme*	(\$000) (\$000)
124	ICT transition	178
125	Building refurbishment	29
126		
127		
128		
129	* include additional rows if needed	
130	All other projects or programmes - atypical expenditure	207
131	Atypical expenditure	207
132	Expenditure on non-network assets	329
133	Expelluture on non-network assets	323



19

1,680 405 3,594 (\$000) This schedule requires a breakdown of operational expenditure incurred in the disclosure year. GTBs must provide explanatory comment on their operational expenditure in Schedule 14 (Explanatory notes to templates). This includes explanatory comment on any atypical operational expenditure and assets replaced or renewed as part of asset replacement and renewal First Gas Limited (Maui GTB) 30 September 2017 This information is part of audited disclosure information (as defined in section 1.4 of the ID determination), and so is subject to the assurance report required by section 2.8. 130 247 2,211 343 1,137 1,161 9 months (\$000) Company Name SCHEDULE 6b: REPORT ON OPERATIONAL EXPENDITURE FOR THE DISCLOSURE YEAR Period covered For Year Ended 6b(ii): Subcomponents of Operational Expenditure (where known) Routine and corrective maintenance and inspection Service interruptions, incidents and emergencies operational expenditure, and additional information on insurance. Land management and associated activity Asset replacement and renewal 6b(i): Operational Expenditure Research and development Operational expenditure System operations Network support Business support Non-network opex Compressor fuel **Network opex** Insurance sch ref 20 18

10 11 12 13 14 15 16 17



First Gas Limited (Maui GTB) Company Name 30 September 2017 For Year Ended 9 months SCHEDULE 7: COMPARISON OF FORECASTS TO ACTUAL EXPENDITURE riod covered This schedule compares actual revenue and expenditure to the previous forecasts that were made for the disclosure year. Accordingly, this schedule requires the forecast revenue and expenditure information from previous disclosures to be inserted. GTBs must provide explanatory comment on the variance between actual and target revenue and forecast expenditure in Schedule 14 (Mandatory Explanatory Notes). This information is part of the audited disclosure information (as defined in section 1.4 of the ID determination), and so is subject to the assurance report required by section 2.8. For the purpose of this audit, target revenue and forecast expenditures only need to be verified back to previous disclosures. sch ref Target (\$000) 1 Actual (\$000) % variance 7(i): Revenue 8 35,658 28,642 9 Line charge revenue Forecast (\$000) 2 Actual (\$000) % variance 7(ii): Expenditure on Assets 10 1,005 Consumer connection 11 12 System growth 6,031 7,127 13 Asset replacement and renewal 14 Asset relocations Reliability, safety and environment: 15 16 Quality of supply Legislative and regulatory 17 Other reliability, safety and environment 18 19 Total reliability, safety and environment 7,036 7.127 20 Expenditure on network assets 1.498 329 Expenditure on non-network assets 21 8,534 7,456 22 **Expenditure on assets** Forecast (\$000) 2 Actual (\$000) % variance 7(iii): Operational Expenditure 117 46 Service interruptions, incidents and emergencies 24 3,482 1,161 25 Routine and corrective maintenance and inspection Asset replacement and renewal 26 548 343 27 Compressor fuel 130 328 Land management and associated activity 28 4,475 1,680 29 **Network opex** 1,844 1,137 System operations 30 1,021 247 31 Network support 5,376 2,211 32 **Business support** 3,594 8,241 33 Non-network opex 12,716 5,274 34 Operational expenditure 35

7(v): Subcomponents of Operational Expenditure (where known)

7(iv): Subcomponents of Expenditure on Assets (where known)

Research and development

Research and development

Insurance

36

37

38

39

40

41

42

43

Forecast (\$000) ²	Actual (\$000)	% variance
N/A	N/A	-

405

Actual (\$000)

% variance

Forecast (\$000) 2

N/A

N/A

- 1 From the nominal dollar target revenue for the pricing year disclosed under clause 2.4.3(3) of this determination
- 2 from the CY+1 nominal dollar expenditure forecasts disclosed in accordance with clause 2.6.6 for the forecast period starting at the beginning of the disclosure year (the second to last disclosure of Schedules 11a and 11b)



							Company Name	First Gas Limited (Maui GTB)	ed (Maui GTB)
							For Year Ended	30 September 2017	nber 2017
							Period covered	9 mo	9 months
SC	SCHEDULE 8: REPORT ON BILLED QUANTITIES AND LINE CHARGE REVENUES	IANTITIES AN	ND LINE CHARGE	REVENUES					
This	This schedule requires disclosure of the delivered quantities and number of offtake points for each type of connection on the GTB's network, and the energy delivered to these offtake points, for the disclosure year. It also requires the billed quantities and associated line charge revenues for each contract type used by the GTB, for the disclosure year.	es and number of of or each contract typ	ftake points for each type e used by the GTB, for the	ch type of connection on the GT for the disclosure year.	TB's network, and the energ	gy delivered to these offtakı	e points, for the disclosure	year. It also requires	
sch ref	A								
00	8(i): Billed quantities by contract type	, be							
Ø.							Billed quantities -		
			Billed quantities - Gas	Billed quantities - Reserved capacity	Billed quantities - Overrun charges billed*	Billed quantities - Approved Nominations	(e)	Add extra columns for additional billed	
10		Į.		billed*	,	billed**	r	quantities as necessary	
11	Contract type		n/a	n/a	n/a	Ţ	TJ.km		
12	Standard		n/a	n/a	n/a	114,753	12,910,855		
13	Non-standard		n/a	n/a	n/a	n/a	n/a		
14	Add extra rows for additional contract types as necessary	necessary							
15	Totals fi	Totals for all contracts	•			114,753	12,910,855		
16									
17	8(ii): Line charge revenues (\$000) by contract type	y contract typ	ā						
18									Notional revenue
	Total line Contract type in dis	Total line charge revenue in disclosure year	Gas throughput revenue*	Reserved capacity revenue*	Overrun charges revenue*	Approved Nominations revenue**	\(\text{Approved} \) Nominations \(\text{distance} \)	Add extra columns for additional line charge	foregone from posted discounts (if
13		8					aniavai	revenues as necessary	applicable)
20	Standard	\$28,642	n/a	n/a	n/a	\$8,268	\$20,374		n/a
21	Non-standard		n/a	n/a	n/a	n/a	n/a		n/a
22	Add extra rows for additional contract types as necessary	necessary							
23	Totals for all contracts	\$28,642	•		,	\$8,268	\$20,374		
24	*Vector only								
25	**MDL only								
26									

23	
MASTER_GTB_Maui ID YE Sept 17 Schedules-1-to-10_F8CC005	

Stations of my compressors of compre				O	Company Name	First Ga	First Gas Limited (Maui GTB)	ui GTB)
Acceptual requires a summary of the quantity of assets that make up the network, by asset category and asset class. Asset class Proceeded requires a summary of the quantity of assets that make up the network, by asset category and asset class. Asset class Proceeded steel pipes Procee				FC	or Year Ended	30	30 September 2017	17
Asset category Asset category Pipes Pipe	SCI	HEDULE 9a: ASSET REGIS	STER	P	eriod covered		9 months	
Asset class Lunis year (quantity) year (quantity) Pipes Special crossings km 309 309 Pipes Special crossings km 1 1 Stations Compessors stations No. 15 15 Stations Graper stations No. 15 15 Stations Matering stations No. 1 1 Stations Matering stations No. 2 2 Compressors Compressors—electric motor driven No. 2 2 Compressors Compressors—electric motor driven No. - - Main line valves Main line valves manually operated No. - - Main line valves Main line valves manually operated No. - - Main line valves Main line valves manually operated No. - - Matering systems Meters—rutasonic No. - - - Metering systems Meters—rutasonic No.	This	schedule requires a summary of the qu	uantity of assets that make up the network, by asset category and as	asset c	ass.			
Asset class Onits year (quantity) year (quantity) Pipes Special crossings km 309 309 Pipes Special crossings km 309 309 Pipes Special crossings km 1 1 1 Stations Compressor stations km 15 15 15 Stations Stations Compressors crompressors Compressors compressor	100							
Asset category Asset c	ı				ems at start of	Items at end of	Not change	Data accuracy
Pipes Frontier of Sections Frontier of Sections <th>\ 0</th> <th>Asset category</th> <th>ogric looks</th> <th>L</th> <th>300</th> <th>year (quantity)</th> <th>User cliquige</th> <th>33</th>	\ 0	Asset category	ogric looks	L	300	year (quantity)	User cliquige	33
Stations Compressor stations Stations Offtake point 15 Stations Scraper stations No. 2 Stations Metering stations No. 2 Stations Metering stations No. 7 Compressors Compressors—reciprocating engine driven No. 7 Compressors Compressors - reciprocating engine driven No. 4 Compressors Main-line valves Main line valves remotely operated No. 4 Main-line valves Main line valves remotely operated No. 4 Main-line valves Main line valves remotely operated No. 4 Main-line valves Main line valves remotely operated No. 4 Main-line valves Main line valves remotely operated No. 4 Main-line valves Meters—rotary No. 4 Metering systems Meters—rotary No. 4 Metering systems Meters—rotary No. 4 Metering systems Meters—mass flow No. 1 SCADA and communications Remote terminal units (RTU) No. 1 Chromatographs Remote terminal units floring rotation No. 1 Chroma	0 0	Pipes		Ē	1	1		m
Stations Offflade point No. 15 Stations Scraper stations No. 2 Stations Intake points No. 7 Stations Metering stations No. 7 Compressors Compressors – electric motor driven No. - Compressors Compressors – electric motor driven No. - Compressors Compressors – electric motor driven No. - Main-line valves Main line valves remotelly operated No. - Main-line valves Main line valves remotelly operated No. - Main-line valves Main line valves remotelly operated No. - Main-line valves Main line valves remotelly operated No. - Main-line valves Main line valves remotelly operated No. - Main-line valves Main line valves remotelly operated No. - Main-line valves Main-line valves No. - Materia systems Metersrotary No. - Metering systems Metersrotary No. - Metering systems Metersrotary No. - Metering systems Metersmass flow - SCAD	10	Stations	Suo		П	Н	1	8
Stations Scraper stations No. 2 Stations Intake points No. 2 Stations Metering stations No. 7 Compressors Compressors—turbine driven No. 2 Compressors Compressors—reciprocating engine driven No. 2 Main-line valves Main line valves manually operated No. 4 Main-line valves Main line valves remotely operated No. 4 Main-line valves Main line valves remotely operated No. 4 Main-line valves Main line valves remotely operated No. 4 Main-line valves Main line valves remotely operated No. 4 Main-line valves Main line valves remotely operated No. 4 Modisation plants Coalescers No. 4 Metering systems Meters—ultrasonic No. 4 Metering systems Meters—ultrasonic No. 4 Meters—univariance Meters—univariance No. 4 SCADA and co	11	Stations	Ĭ,		15	15	t	3
Stations Intake points No. 7 Stations Metering stations No. - Compressors Compressors—turbine driven No. - Compressors Compressors—reciprocating engine driven No. - Main-line valves Main line valves remotely operated No. 4 Main-line valves Main line valves remotely operated No. 4 Heating systems Main line valves remotely operated No. 4 Main-line valves Main line valves remotely operated No. 4 Heating systems Main line valves remotely operated No. 4 Metering systems Meters—ultrasonic No. - Metering systems Meters—ultrasonic No. - Metering systems Meters—ultrasonic No. - Metering systems Meters—unass flow No. - SCADA and communications Remote terminal units (RTU) No. - SCADA and communications Rectifier unital units No. -	12	Stations	ns	Zo.	2	2	1	3
Stations Metering stations No. - Compressors Compressors-Lurbine driven No. - Compressors Compressors-electric motor driven No. - Compressors Compressors-reciprocating engine driven No. - Main-line valves Main line valves remotely operated No. 4 Heating systems Gas-fired heaters No. 4 Heating systems Ges-fired heaters No. - Coalescers Metering systems Odorisation plants No. - Coalescers Meters-ultrasonic No. - - Metering systems Meters-ultrasonic No. - - Metering systems Meters-ultrasonic No. - - Metering systems Meters-ultrasonic No. - - Meters-coalescers Meters-coalescers No. - - Meters-coalescers Meters-coalescers No. - - Meters-coaline systems Meters-coales	13	Stations		No.	7	7		3
Compressors Compressors—Lurbine driven No. 2 Compressors Compressors—electric motor driven No. - Compressors Compressors—reciprocating engine driven No. - Main-line valves Main line valves manually operated No. 4 Main-line valves Main line valves remotely operated No. 4 Heating systems Gas-fired heaters No. 2 Heating systems Goldorisation plants No. - Odorisation plants Odorisation plants No. - Coalescers Meters—ultrasonic No. - Metering systems Meters—rotary No. - Metering systems Meters turbine No. - Meters—mass flow No. - - Metering systems Meters—mass flow No. - - Metering systems Meters—mass flow No. - - SCADA and communications Rectifier units No. - - Chromatographs Chromatographs No. - - <	14	Stations		No.	10.		ता	N/A
CompressorsCompressors—electric motor drivenNoCompressorsCompressors—reciprocating engine drivenNoMain-line valvesMain line valves manually operatedNo.4Main-line valvesMain line valves remotely operatedNo.2Heating systemsGas-fired heatersNoHeating systemsCoalescersNoMetering systemsMeters—ultrasonicNoMetering systemsMeters—rotaryNoMetering systemsMeters—mass flowNoMetering systemsMeters—mass flowNoSCADA and communicationsRemote terminal units (RTU)NoSCADA and communicationsRectifier unitsNoChromatographsChromatographsNoChromatographsChromatographsNo	15	Compressors		No.	2	2		3
CompressorsCompressorsCompressors — reciprocating engine drivenNoMain-line valvesMain line valves manually operatedNo.4Main-line valvesMain line valves remotely operatedNo.2Heating systemsElectric heatersNoHeating systemsCoalescersNoCoalescersMeters—ultrasonicNo.4Metering systemsMeters—ultrasonicNoMetering systemsMeters turbineNoMetering systemsMeters turbineNoMetering systemsMeters turbineNoMetering systemsMeters turbineNoMetering systemsCommunications terminal units (RTU)NoSCADA and communicationsCommunications terminalsNoCathodic protectionRectifier unitsNoChromatographsChromatographsNo	16	Compressors		Zo.		1	B	N/A
Main-line valvesMain line valves manually operatedNo.4Main-line valvesMain line valves remotely operatedNo.4Heating systemsGas-fired heatersNo.2Heating systemsElectric heatersNoCoalescersCoalescersNo.4Metering systemsMeters—ultrasonicNo.2Metering systemsMeters—rotaryNoMetering systemsMeters turbineNoMetering systemsMeters turbineNoMetering systemsMeters—mass flowNoSCADA and communicationsCommunications terminal units (RTU)NoSCADA and communicationsCommunications terminalsNoChromatographsChromatographsNo.10	17	Compressors		No.		1		N/A
Main-line valvesMain line valves remotely operatedNo.4Heating systemsGas-fired heatersNo.2Heating systemsElectric heatersNoCoalescersNo.4Metering systemsMeters—ultrasonicNo.2Metering systemsMeters—rotaryNoMetering systemsMeters—rotaryNoMetering systemsMeters—mass flowNoMetering systemsMeters—mass flowNoMetering systemsMeters—mass flowNoMetering systemsCommunications terminal units (RTU)NoSCADA and communicationsCommunications terminalsNoChromatographsChromatographsNo.10ChromatographsNo.10	18	Main-line valves		No.	4	4		3
Heating systemsGas-fired heatersNo.2Heating systemsElectric heatersNoCoalescersCoalescersNo.4Meters—ultrasonicNo.2Metering systemsMeters—rotaryNoMetering systemsMeters turbineNoMetering systemsMeters turbineNoMetering systemsMeters—mass flowNoSCADA and communicationsRemote terminal units (RTU)NoSCADA and communicationsCommunications terminalsNoCathodic protectionRectifier unitsNoChromatographsNoChromatographsNo	19	Main-line valves	operated	No.	4	4	1	3
Heating systemsElectric heatersNoOdorisation plantsOdorisation plantsNoCoalescersNo.4MetersMeters—ultrasonicNo.2Metering systemsMeters—rotaryNoMetering systemsMeters turbineNoMetering systemsMeters—mass flowNoSCADA and communicationsRemote terminal units (RTU)NoSCADA and communicationsCommunications terminalsNoCathodic protectionRectifier unitsNoChromatographsChromatographsNo	20	Heating systems		No.	2	2		3
Odorisation plantsOdorisation plantsOdorisation plantsNoCoalescersCoalescersNo.2Metering systemsMeters—rotaryNoMetering systemsMeters turbineNoMetering systemsMeters—mass flowNoMetering systemsMeters—mass flowNoSCADA and communicationsRemote terminal units (RTU)NoSCADA and communicationsCommunications terminalsNoCathodic protectionRectifier unitsNoChromatographsChromatographsNo.10	21	Heating systems		No.			1	N/A
CoalescersCoalescersNo.4Metering systemsMeters—ultrasonicNo.2Metering systemsMeters—rotaryNoMetering systemsMeters turbineNoMetering systemsMeters—mass flowNoSCADA and communicationsRemote terminal units (RTU)NoSCADA and communicationsCommunications terminalsNoCathodic protectionRectifier unitsNoChromatographsChromatographsNo.10	22	Odorisation plants		No.	t.	1	ľ.	N/A
Metering systems Meters—rotary No. 2 Metering systems Meters—rotary No. - Metering systems Meters turbine No. - Metering systems Meters—mass flow No. - SCADA and communications Remote terminal units (RTU) No. - SCADA and communications Communications terminals No. - Cathodic protection Rectifier units No. - Chromatographs No. 10 Chromatographs No. 10	23	Coalescers		76.	4	4	•	e
Metering systems Meters turbine No. - Metering systems Meters turbine No. 1 Metering systems Meters—mass flow No. - SCADA and communications Remote terminal units (RTU) No. 12 SCADA and communications Communications terminals No. - Cathodic protection Rectifier units No. 10 Chromatographs No. 10	24	Metering systems		No.	2	2	•	e
Metering systems Meters—mass flow No. 1 Metering systems Meters—mass flow - - SCADA and communications Remote terminal units (RTU) No. 12 SCADA and communications Communications terminals No. - Cathodic protection Rectifier units No. 10 Chromatographs No. 10	25	Metering systems		No.	3	2	1	N/A
Metering systems Meters—mass flow No. - SCADA and communications Remote terminal units (RTU) No. 12 SCADA and communications Communications terminals No. - Cathodic protection Rectifier units No. 10 Chromatographs No. 10	26	Metering systems		No.	1	1	•	က
SCADA and communications SCADA and communications SCADA and communications Cathodic protection Rectifier units Chromatographs No. 10 No. 10	27	Metering systems		No.	1	-)		N/A
SCADA and communications Cathodic protection Rectifier units Chromatographs No. 10	28	SCADA and communications		No.	12	12		က
Cathodic protection Rectifier units No. 10	29	SCADA and communications		No.	·	· C	1	N/A
Chromatographs No. 1	30	Cathodic protection		No.	10	10	-	e
CIII OIII a CIII oii a CIII	31	Chromatographs	Chromatographs	No.	1	1	•	m

S9a. Asset Register

SCHEDULE 9b: ASSET AGE PROFILE This schedule requires a unmany of the are profile (base																						For	For Year Ended		30 Septe	30 September 2017	0
EDULE 9b: ASSET A	1 :1000																										
edule requires a summary of t	GE PROFILE																					Pen	Period covered		9 months		
	This schedule requires a summary of the age profile (based on year of installation) of the assets that make up the network, by asset category and asset	t make up the n	stwork, by ass	set category	and asset o	class.																					
Disclosure Year (year ended)	30 September 2017										Numk	er of assets	Number of assets at disdosure year end by installation date	re year end	by installat	on date									-		
			1960	1965	1970 19	1975 1980	1985-	1990	1995															No. with age		No. with default	Data accuracy
Asset category	Asset class	Units pre-1960				- 55	1989	1	-1999 2000	2001	2002	2003	2004 200	2002 2002	2007	2008	2009 20	2010 2011	1 2012	2013	2014	2015 20	2016 2017	unknown	(quantity)	dates	9
Pipes	teel pipes	km			6	300									0						0				- 309	*	3
Pipes		- Land			-	1			-					_													3
Stations	Suc	No.																								1	Е
Stations		No.			-	15			_	L						r		_							- 15		3
Stations	2	No.				2		-									-					_			- 2		3
Stations		No.			-	2		-		L					1 2		1	L		1					-		3
Stations	suo	No.							-								-					_					N/A
Compressors	bloe driven	No.			+												-								- 2		3
Compressors	lriven	No.			H	-			-	L							-	-				_					N/A
Compressors	Iriven	No.		İ	H												_										N/A
Main-line valves	Main line valves manually operated	No.				4							_												4	6	3
Main-line valves		No.			-	4							_				-								-		3
Heating systems		No.			+		-			L							-								- 3		3
Heating systems		No.			H				H	L			-														N/A
Odorísation plants	12	No.			-					L							_										N/A
Coalescers		No.			-	2	2		-	L															4		6
Metering systems	rasonic	No.			-														-	-					-		
Metering systems	Meters—rotary	No.							-																	•	N/A
Metering systems		No.							-	L																1	3
Metering systems	wo	No.			-				-	L							_									-	N/A
SCADA and communications	Remote terminal units (RTU)	No.			-				H						9				~		1				- 12		m
SCADA and communications	Communications terminals	No.			_																				-	1	N/A
Cathodic protection	Rectifier units	No.		1		2									-			1							- 10		m

					Company Name For Year Ended	FIIST G	Hist Gas Limited (Maul G16) 30 September 2017	7
SCI.	SCHEDULE 9c: REPORT ON PIPELINE DATA This schedule requires a summary of the key characteristics of the pipeline network.	ork.			Period covered		9 months	
2	Transmission system	System length (km) (at year end)	Weighted average pipe diameter (mm)	Max monthly Weighted average quantity entering pipe diameter the system (TJ per (mm)	Max monthly Max weekly quantity entering the system (T) per the system (T) per conveyed (T) per month) week) year)	Total gas conveyed (TJ per year)	Gas conveyed for Persons not involved in the GTB (TJ per year)	Number of connection points
. 0	orilonid inch	309	747	13.349	3,172	104,774	104,593	26
0 0	Water Phenic							
10								
11								
12								
13								
14	Total	309						
	I sameh hi sociemod losseism stace (km)			a'S	Secondary location class	ass		
2	Length by assigned location class (Kill)			3				
					Common		Tatal (less) (at 1000	Powertness of
7.0		Sensitive Use (S)	Industrial (I)	(HI)	Corridor (CIC)	Submerged (W)	end) *	
17	Primary location class Bural (R1) land	1	1			1		93.76%
18	Primary location class Rural Residential (R2) land	8					9.76	3.26%
13	Primary location class Residential (T1) land	4					8.96	2.99%
20	Primary location class High Density (T2) land							
21	* The total km is not the same as the sum of the secondary location classes as a pipeline section may only have a primary location class.	s as a pipeline sectio.	in may only have a p	rimary location clas	.5.			

					ompany Name	First Gas Limited (Maui GTB)
					For Year Ended	30 September 2017
HED	ULE 9d: REPORT ON DEMAND				Period covered	9 months
chedu	ule requires a summary of the key measures of network demand for the disclosure	year (number of ne	w connections inclu	ding, maximum mon	thly loads and total gas	conveyed)
20						
90	d(i): New Connections					
	Median and the Control of Control	Number of new				
	Connection types defined by GTB	connections				
	Intake Point (excluding Bi-directional Points)					
	Offtake Point (excluding Bi-directional Points and Compressor Stations)					
	Bi-Directional Point					
	Compressor Station	-				
	* include additional rows if needed					
	Connections total					
	dilly Con Volumes and Compations					
90	d(ii): Gas Volumes and Connections	Intake	Quantity of gas	Number of		
	Connection types defined by GTB	volume (TJ)		connection points		
	Intake Point (excluding Bi-directional Points)	104,221		7		
	Offtake Point (excluding Bi-directional Points and Compressor Stations)	-	98,522	17		
	Bi-Directional Point	450	6,070	1		
	Compressor Station			1		
	* include additional rows if needed					
	Total	104,671	104,592	26		
	1000					
90	d(iii): Gas conveyed	(LL)				
	Intake volume (TJ)	104,671				
	Quantity of gas delivered (TJ)	104,593				
	Gas used in compressor stations (TJ)	181				
	Gas used in heating systems (TJ)					
	Change in line pack (TJ)	(10)				
	Vented gas (TJ)					
	Unaccounted for gas (TJ)	(93)				
	Total gas conveyed (TJ)	104,774				
9	d(iv): Unaccounted for Gas					
	a(ii)) characteristics	Gas entering the	Unaccounted for	Unaccounted for	Intake	Interconnected Interconnected
	Transmission system	system (TJ)	gas (TJ)	gas (%)	volume (TJ)	system intake (TJ) systems (na
	Maui Pipeline	104,671	(93)	(0.09%)	104,671	
				2.4		
				-		
				-		
	Total				104,671	

		Company Name	First Ga	as Limited (Mau	ıi GTB)
		For Year Ended	30	September 20:	17
SCHEDULE 10a: REPORT ON NETWORK RELIABILITY AND IN	ITERRUPTIONS	Period covered		9 months	
This schedule requires a summary of the key measures of network reliability (inter			sclosure year		
GTBs must provide explanatory comment on their network reliability for the disclo	sure year in Schedule :	14 (Explanatory Note	s to Templates).		
sch ref					
Sci 16)					
7 10a(i): Interruptions and Reliability					
8	74	,			
9 Total number of planned interruptions	-				
10 Service incidents and emergencies	31	1			
11 Number of incidents 12	31				
	Trans	mission systems aff	ected	Date	Duration (hrs)
14 Description and cause of Interruption N/A	Tions			, Date	
16	+		-	-	
17					
18					
19					
20					
21 22	-				
22 *Add rows as necessary					
24 Number of interruption or curtailment events:					
25 due to insufficient capaci					
due to consumer flows exceeding approved quantitie					
27 caused by equipment fallul 28 caused by third partic		12			
29 Tota		12			
30 10a(ii): Compressor Availability					
31					
					Number of
			Number of hours	Number of	Instances where a compressor was
		Number of hours	compressor was	instances where	required but
	Compressor unit	the compressor	available for	the compressor failed to start	unavailable for service
32 Compressor station code/name 33 Mokau	Unit #1	ran 1,851.00	service 6,354.00	railed to start	Service 5
34 Mokau	Unit #2	4,187.00	5,146.00	7	6
35					
36					
37					
38					
39 40					
41				5	
42					
43					
*Add rows as necessary					
*Add rows as necessary					

	Company Name For Year Ended	First Gas Limited (Maui GTB) 30 September 2017
SC	SCHEDULE 10b: REPORT ON NETWORK INTEGRITY Period covered	9 months
This	This schedule requires a summary of the key measures of network integrity (product control, gas escapes, RTEs) for the disclosure year.	RTEs) for the disclosure year.
sch ref	f	
/	Product control	
∞	Number of incidents relating to pressure	1
6	Number of incidents relating to gas specification	4
10	Number of incidents relating to odorisation	
11		
12	Response time to emergencies (RTE)	
13	Proportion of emergencies responded to within 3 hours (%)	100%
14	Average call response time (hours)	
15	Number of emergencies	1
16		
17	Gas leaks	
18	Number of confirmed public reported gas escapes per system length (escapes/1000 km)	
19	Number of confirmed gas leaks caused by a third party per system length (escapes/1000 km)	
20	Number of gas leaks detected by the GTB	2
21	Number of gas leaks that did not result in disruption to supply	2

Company Name	First Gas Limited (Maui GTB)
For Year Ended	30 September 2017
Period	9 months

Schedule 14 Mandatory Explanatory Notes

- 1. This schedule requires GTBs to provide explanatory notes to information provided in accordance with clauses 2.3.1, 2.4.20 and sub-clause 2.5.1(1)(e).
- 2. This schedule is mandatory—GTBs must provide the explanatory comment specified below, in accordance with clause 2.7.1. Information provided in boxes 1 to 12 of this schedule is part of the audited disclosure information, and so is subject to the assurance requirements specified in section 2.8.
- 3. Schedule 15 (Voluntary Explanatory Notes to Schedules) provides for GTBs to give additional explanation of disclosed information should they elect to do so.

Mandatory explanatory notes

Return on Investment (Schedule 2)

4. In the box below, comment on return on investment as disclosed in Schedule 2. This comment must include information on reclassified items in accordance with sub-clause 2.7.1(2).

Box 1: Explanatory comment on return on investment

The ROI of 7.47% is higher than the mid-point estimate of post-tax WACC of 5.45% and is higher than prior periods. This increase is driven by a combination of increased revaluation income and lower than expected operating expenditure.

Revaluation income is based on CPI, and the CPI rate applied has increased from 0.42% in the 2016 disclosure period to 1.48% in the 2017 disclosure period (9-month period). Operating expenditure for the 9-month period was lower than expected, although operating expenditure disclosed for the non-Maui GTB for the period was higher than budget (suggesting that part of the decrease may arise from the allocation of costs to the different GTBs). The disclosure period also started around 6 months after the Maui GTB was acquired by First Gas, and may therefore not be reflective of future operating costs.

Regulatory Profit (Schedule 3)

- 5. In the box below, comment on regulatory profit for the disclosure year as disclosed in Schedule 3. This comment must include
 - a description of material items included in other regulated income (other than gains / (losses) on asset disposals), as disclosed in Schedule 3(i)
 - 5.2 information on reclassified items in accordance with sub-clause 2.7.1(2).



Box 2: Explanatory comment on regulatory profit

There are no material items included in other regulated income and there have been no reclassified items.

Merger and acquisition expenses (3(iv) of Schedule 3)

- 6. If the GTB incurred merger and acquisitions expenditure during the disclosure year, provide the following information in the box below-
 - 6.1 information on reclassified items in accordance with sub-clause 2.7.1(2)
 - any other commentary on the benefits of the merger and acquisition expenditure to the GTB.

Box 3: Explanatory comment on merger and acquisition expenditure

No merger and acquisition expenditure has been included during the disclosure year.

Value of the Regulatory Asset Base (Schedule 4)

7. In the box below, comment on the value of the regulatory asset base (rolled forward) in Schedule 4. This comment must include information on reclassified items in accordance with sub-clause 2.7.1(2).

Box 4: Explanatory comment on the value of the regulatory asset based (rolled forward)

The value of the regulatory asset base (RAB) has been determined by rolling forward the initial RAB with adjustments made for additions, disposals, depreciation and revaluation in accordance with the Input Methodologies.

There has been no re-classification of items in the disclosure period.

In 4(ii) the opening unallocated RAB value is different than last year's closing value. This change is due to the reallocation of non-network assets across both the Maui and Non-Maui gas transmission businesses (see Box 9 below).

Regulatory tax allowance: disclosure of permanent differences (5a(i) of Schedule 5a)

- 8. In the box below, provide descriptions and workings of the material permanent differences included in the following items, as recorded in the asterisked categories in 5a(i) of Schedule 5a:
 - 8.1 Income not included in regulatory profit / (loss) before tax but taxable
 - 8.2 Expenditure or loss in regulatory profit / (loss) before tax but not deductible
 - 8.3 Income included in regulatory profit / (loss) before tax but not taxable



8.4 Expenditure or loss deductible but not in regulatory profit / (loss) before tax

Box 5: Regulatory tax allowance: permanent differences

Permanent differences consist of non-deductible professional and entertainment expenses.

Regulatory tax allowance: disclosure of temporary differences (5a(i) of Schedule 5a)

- 9. In the box below, provide descriptions and workings of the material temporary differences included in the following items, as recorded in the asterisked categories in 5a(i) of Schedule 5a:
 - 9.1 Income not included in regulatory profit / (loss) before tax but taxable
 - 9.2 Expenditure or loss in regulatory profit / (loss) before tax but not deductible
 - 9.3 Income included in regulatory profit / (loss) before tax but not taxable
 - 9.4 Expenditure or loss deductible but not in regulatory profit / (loss) before tax

Box 6: Temporary differences

Immaterial temporary differences include movements in provisions and accruals.

Related party transactions: disclosure of related party transactions (Schedule 5b)

10. In the box below, provide descriptions of related party transactions beyond those disclosed in Schedule 5b including identification and descriptions as to the nature of directly attributable costs disclosed under sub-clause 2.3.7(2)(b).

Box 7: Related party transactions

A description of all related party transactions has been disclosed in Schedule 5b.

The transactions in this schedule include the sale and purchase of gas between First Gas' two gas transmission businesses. While these transactions are internal transfers, they are disclosed as a related party transaction for the purposes of this disclosure since they take place between the Maui and non-Maui gas transmission businesses.

We have referenced the *Gas Transmission Information Disclosure Amendments Determination (No.1)* 2017 (as at 14 June 2017) when completing the "Basis for determining value" (column K) for our related party transactions. This has required us to update the Commission's template to reference the correct clauses in the IMs and IDs.



Cost allocation (Schedule 5d)

11. In the box below, comment on cost allocation as disclosed in Schedule 5d. This comment must include information on reclassified items in accordance with sub-clause 2.7.1(2).

Box 8: Cost allocation

The accounting-based allocation approach (ABAA) has been applied in accordance with the Input Methodologies determination to allocate non-directly attributable costs in this disclosure year.

There have been no re-classifications of items in the disclosure year.

Asset allocation (Schedule 5e)

12. In the box below, comment on asset allocation as disclosed in Schedule 5e. This comment must include information on reclassified items in accordance with sub-clause 2.7.1(2).

Box 9: Commentary on asset allocation

During the 2017 disclosure period, there have been no re-classified items affecting asset allocation.

We have refined our asset allocation methodology in these disclosures. When the 2016 disclosures were completed, First Gas had recently acquired its distribution and transmission businesses and did not have a clear view of relative asset utilisation by each regulated business. During the 2017 disclosure period we have assessed each of our regulated businesses' use of non-network assets and have allocated their value accordingly.

Non-network assets have been allocated across all First Gas regulatory businesses based on head count.

Further information on the change in asset allocation methodology is provided in Schedule 5e of this disclosure.

Capital Expenditure for the Disclosure Year (Schedule 6a)

- 13. In the box below, comment on expenditure on assets for the disclosure year, as disclosed in Schedule 6a. This comment must include
 - a description of the materiality threshold applied to identify material projects and programmes described in Schedule 6a;
 - 13.2 information on reclassified items in accordance with sub-clause 2.7.1(2)



Box 10: Explanation of capital expenditure for the disclosure year

A project or programme is considered material if the estimated total project cost is equal to or exceeds \$0.5 million.

This period has seen a considerable increase in capital expenditure when compared to the 2016 disclosure year. The increase relates to work completed at the Mokau compressor station, the procurement of additional emergency spares, and implementing ICT infrastructure to support First Gas operations.

Mokau compressor station capital works

The Mokau compressor station plays a pivotal role in how First Gas operates the gas transmission system. In 2017, we have improved the capability of these compressors and invested in additional associated assets for this site. This is reflected in the increased asset replacement and renewal expenditure in this year compared to prior periods.

Increased emergency spares

First Gas has purchased additional hot tap and stopple equipment, and a range of emergency fittings. This will enable us to respond more promptly to emergencies on our high-pressure gas pipelines, increasing infrastructure resilience.

ICT capital expenditure

Over the last 12 months First Gas has transitioned from the previous owners' information technology systems to our own systems. These new systems, along with new business processes, are helping us better understand asset performance, optimise maintenance to maximise asset life, and improve our overall management of risk.

Further details on our expenditure for this period and our plans for the future are available in our 2017 asset management plan update published on the First Gas website here.

There have been no reclassified items.

Operational Expenditure for the Disclosure Year (Schedule 6b)

- 14. In the box below, comment on operational expenditure for the disclosure year, as disclosed in Schedule 6b. This comment must include-
 - 14.1 Commentary on assets replaced or renewed with asset replacement and renewal operational expenditure, as reported Schedule 6b(i)
 - 14.2 Information on reclassified items in accordance with sub-clause 2.7.1(2)
 - 14.3 Commentary on any material atypical expenditure included in operational expenditure disclosed in Schedule 6b, a including the value of the expenditure the purpose of the expenditure, and the operational expenditure categories the expenditure relates to.



Box 11: Explanation of operational expenditure for the disclosure year

There has been no operational expenditure on assets replacement and renewal.

There have been no reclassified items.

The only material atypical expenditure that is included in the schedule relates to the secondment of staff employed by Transact Limited (previously the commercial operator of the Maui pipeline) to First Gas Limited from 1 January 2017 to 16 June 2017. This expenditure is included in Business Support opex. The secondment ended on 16 June 2017. The value of those services is confidential. The purpose of the secondment was to ensure the smooth transition of the Maui Development Limited GTB to First Gas Limited.

Variance between forecast and actual expenditure (Schedule 7)

15. In the box below, comment on variance in actual to forecast expenditure for the disclosure year, as reported in Schedule 7. This comment must include information on reclassified items in accordance with sub-clause 2.7.1(2).

Box 12: Explanatory comment on variance in actual to forecast expenditure

This schedule compares data from two different time periods. The forecast data covers a 12-month period, whereas the actual data covers a 9-month period. As advised by Commerce Commission staff, we have shaded out the variation column as it does not provide a "like for like" comparison.

The target numbers disclosed in this schedule differ from First Gas' Transmission Asset Management Plan (AMP) because the AMP is for the combined Maui and Non-Maui gas transmission pipelines.

Information relating to revenues and quantities for the disclosure year

16. In the box below, please explain reasons for any material differences between target revenue disclosed before the start of the pricing year in accordance with clause 2.4.1 and sub-clause 2.4.3(3), and total billed line charge revenue for the disclosure year as disclosed in Schedule 8.

Box 13: Explanatory comment relating to revenue for the disclosure year

The difference in target revenue and total billed line charge revenue can be attributed to the difference in pricing and disclosure years, and the difference in time periods.

Target revenue is defined as the target revenue disclosed under clause 2.4.3(3) of the ID determination, which relates to the pricing year of the GTB (ending 30 September). The pricing year reported for our Maui GTB runs from 1 July 2016 to 30 June 2017 (12-month period). We note that this is the same figure as used in our 2016 disclosure. Due to the non-standard time period for this disclosure and only a 3-month period for the Maui Fifth Assessment Period (under the 2013 – 2017 DPP), this figure is the most representative figure for comparison.

The target revenue for this pricing year was \$35.658 million, as disclosed in the 2016 Maui Pricing Methodology (see section 2, page 6, link here).

The total billed line charge revenue in Schedule 8 (\$28.642 million) is the revenue that relates to the disclosure year. Our disclosure year for our Maui GTB runs from 1 January 2017 to 30 September 2017 (9-month period).

Therefore, the revenues between pricing year forecasts in Schedule 7 and disclosure year actuals from Schedule 8 are not directly comparable with each other.

17. If prices or price category codes (as applicable) have been changed in a disclosure year, please explain in the box below the effect of this on the allocation of quantities and revenues between connection types or contract types (as applicable) disclosed in Schedule 9d(ii) and Schedule 8.

Box 14: Explanatory comment relating to changed prices or price category codes

There are only standard contracts for gas transmission services on the Maui gas transmission pipeline and there is no allocation of quantities and revenues to connection or contract types for pricing purposes. i.e. changed prices do not have any effect on the allocation of quantities and revenues between connection types or contract types.

The breakout of metered quantities between connection types in Schedule 9d(ii) is for informational purposes only and not relevant to pricing.

Network Reliability for the Disclosure Year (Schedule 10a)

18. In the box below, comment on network reliability for the disclosure year, as disclosed in Schedule 10a.

Box 15: Commentary on network reliability for the disclosure year

Interruptions are defined (narrowly) as

"... the cessation of supply of gas for a period of 1 minute or longer...".

None of the incidents that occurred during 2017 led to any cessation of supply. Therefore, using the definition provided by the Commerce Commission, we had no planned or unplanned interruptions.

Incidents are defined (widely) as:

"...any event, including a near miss, that has the potential to impact on the delivery of gas transmission services or the operations of the GTB".

These events may range from an unscheduled outage of a large production station due to a power failure, to a landowner fencing over the Maui transmission pipeline without a permit. First Gas notes that the total number of events classified as an "incident" during the disclosure year was 31. This includes 12 curtailment events (as described below), and 19 potentially relevant events recorded in First Gas's reporting systems.

Curtailments

Curtailment provisions and procedures are described in section 15 of the Maui Pipeline Operating Code (MPOC). During the year, there were 12 curtailment events that led to reductions in scheduled gas transmission. All those events were caused by third parties.

Compressor performance

There were 8 instances during the disclosure year where a compressor failed to start. There were 11 instances where a compressor (either Mokau unit) was required but unavailable for service. The level of compressor reliability during the disclosure period is consistent with historic performance (accounting for increased run times during the disclosure period). Compressor unavailability occurred for a variety of reasons, including unit trips whilst online. No supply issues resulted from unit unavailability through this period.

One emergency occurred over this disclosure period. This was a Critical Contingency on 23 May 2017 due to a supply and demand imbalance on the transmission system that breached a time to minimum pressure threshold. The Critical Contingency event was responded to immediately. The Critical Contingency Operator was present when the Emergency was declared and the Critical Contingency was published on OATIS 37 minutes after the Critical Contingency was declared.

Insurance cover

- 19. In the box below, provide details of any insurance cover for the assets, including-
 - 19.1 The GTB's approaches and practices in regard to the insurance of assets, including the level of insurance;
 - 19.2 In respect of any self-insurance, the level of reserves, details of how reserves are managed and invested, and details of any reinsurance.

Box 16: Explanation of insurance cover

For the period under First Gas ownership, insurance cover has been obtained for the assets in the Maui GTB. These policies cover material damage, business interruption and contract works insurance.

Insurance costs are allocated to the Maui transmission business based on the businesses share of total RAB forecasts.

Amendments to previously disclosed information

- 20. In the box below, provide information about amendments to previously disclosed information disclosed in accordance with clause 2.12.1 in the last 7 years, including:
 - 20.1 a description of each error; and
 - 20.2 for each error, reference to the web address where the disclosure made in accordance with clause 2.12.1 is publicly disclosed.

Box 17: Disclosure of amendment to previously disclosed information

No amendments are required.

Company Name	First Gas Limited (Maui GTB)
For Year Ended	30 September 2017
Period	9 months

Schedule 15 Voluntary Explanatory Notes

- 1. This schedule enables GTBs to provide, should they wish to
 - additional explanatory comment to reports prepared in accordance with clauses 2.3.1, 2.4.20, 2.5.1, and 2.5.2;
 - information on any substantial changes to information disclosed in relation to a prior disclosure year, as a result of final wash-ups.
- 2. Information in this schedule is not part of the audited disclosure information, and so is not subject to the assurance requirements specified in section 2.8.
- 3. Provide additional explanatory comment in the box below.

Box 1: Voluntary explanatory comment on disclosed information

Period covered

Due to the different time period covered by this disclosure, we have noted the period covered (in months) at the top of each of the schedules.

The change in time period for this disclosure was necessary to transition First Gas' transmission and distribution businesses all to a 30 September year end. This was enabled by the [FAST TRACK] Gas Transmission Information Disclosure Amendments Determination (No.1) 2017 (as at June 2017).

Alignment of disclosure years

First Gas notes that this information disclosure will be the final information disclosure for its Maui (ex-Maui Development Limited) gas transmission business. From 1 October 2017, First Gas will disclose consolidated schedules for its Maui and Non-Maui (ex-Vector Limited) gas transmission businesses.

This has been enabled by the Commerce Commission's decision to have a single GTB under the 2017 – 2022 Default Price-Quality Path (DPP) and the decision (14 June 2017) to align the disclosure years applicable to First Gas' transmission and distribution businesses to a 30 September year end, effective from 1 October 2017. This will see information disclosure years aligned with pricing years for all aspects of the business, and we consider that this approach will provide stakeholders with greater transparency of our transmission business going forward.

Change in data accuracy level

First Gas has reduced the data accuracy level reported in schedule 9a. In the 2016 disclosure year, we reported a level 4. In the 2017 disclosure year, we have adjusted it to a level 3. This change reflects the greater understanding we now have of the assets we have acquired from Maui Development Limited and makes our reported data accuracy level consistent across GTBs.

Upgrade to Mokau compressor station

First Gas has capitalised the upgrade of the Mokau compressor station (\$3.7 million). This upgrade involved the installation of "dry gas" seals, replacing the obsolete "wet gas" oil seal system. Further detail on this work is available in our 2017 AMP update here - http://firstgas.co.nz/wp-content/uploads/FGL-Gas-Transmission-AMP-2017-Update.pdf

Change to number of cathodic protection rectifier units

First Gas has changed the number of cathodic protection units reported in Schedule 9a for the start of a year. During internal review, we observed that the ending number of units for the 2016 disclosure year was 12, whereas the starting number of units was 10. Review of historic data has identified that the error occurred from data provided in 2013 (prior to First Gas ownership). We now have access to more information to provide more accurate data.

Formula amendments for 9-month disclosure period

First Gas has been granted an exemption to amend the formula that calculates the return on investment (ROI) for the current year. This is necessary to ensure that the resulting ROI figures reflect a 9-month period, rather than a standard 12-month period.

Exemptions

We have been granted the following exemptions for this information disclosure:

- Schedule 2: Report on return on investment;
- Schedule 14: Mandatory explanatory notes; and
- Schedule 19: Certification for year-end disclosures.

The scope of these exemptions is relatively small. Therefore, we do not consider that these exemptions will affect the ability of interested parties to evaluate the performance of our GTB.

INFORMATION DISCLOSURE CERTIFICATE FOR MAUI GTB

Schedule 19 Certification for Year-end Disclosures

Clause 2.9.3

We, Philippa Jane Dunphy and Euan Richard Krogh, being directors of First Gas Limited certify that, having made all reasonable enquiry, to the best of our knowledge-

- a) the information, prepared for the purposes of clauses 2.3.1, 2.3.2, 2.4.20, 2.5.1 and 2.7.1 of the *Gas Transmission Information Disclosure Determination 2012* in all material respects complies with that determination; and
- b) the historical information used in the preparation of Schedules 8, 9a, 9b, 9c, 9d, 10a, 10b and 14 has been properly extracted from the First Gas Limited's accounting and other records sourced from its financial and non-financial systems, and that sufficient appropriate records have been retained.

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Philippa Dunphy	Richard Krogh U
Director	Director
21 March 2018	21 March 2018
Date	Date

Independent Reasonable Assurance Report to the Directors of First Gas Limited and to the New Zealand Commerce Commission

Conclusion

We have concluded that, in all material respects, Schedules 1, 2, 3, 4, 5 (a-g), 6 (a-b), 7 and 14 (boxes 1 – 12) of the First Gas Limited (Maui pipeline) Gas Transmission Information Disclosure Requirements Information Templates (the 'schedules'), have been prepared, in accordance with the Commerce Commission Gas Transmission Information Disclosure Amendments Determination (No. 1) 2017 – 14 June 2017 and the related Reasons Paper and Input Methodologies (together 'the determination') for the nine months ended 30 September 2017.

Information subject to assurance

We have performed an engagement to provide reasonable assurance in relation to First Gas Limited's schedules for the nine months ended 30 September 2017.

Criteria

We have performed an engagement to provide reasonable assurance in relation to the Schedules 1, 2, 3, 4, 5 (a-g), 6 (a-b), 7 and 14 (boxes 1 - 12) prepared in accordance with the determination for the nine months ended 30 September 2017.

As far as appears from an examination of them, proper records to enable the complete and accurate compilation of the schedules as at 30 September 2017 have been kept by First Gas Limited for the nine months ended 30 September 2017.

As far as appears from examination, the information used in the preparation of the schedules as at 30 September 2017 has been properly extracted from First Gas Limited's accounting and other records and has been sourced, where appropriate, from First Gas Limited's financial and non-financial systems.

Standards we followed

We conducted our reasonable assurance engagement in accordance with International Standard on Assurance Engagements (New Zealand) ISAE (NZ) 3000 (Revised) Assurance Engagements other than audits or reviews of historical financial information and Standard on Assurance Engagements SAE 3100 Compliance Engagements. We believe that the evidence we have obtained is sufficient and appropriate to provide a basis for our conclusion. 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 schedules are free from material misstatement, whether due to fraud or error;
- considered relevant internal controls when designing our assurance procedures, however we do not express a conclusion 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 schedules 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 schedules.

Use of this assurance Report

Our report should not be regarded as suitable to be used or relied on by any parties other than First Gas Limited and the New Zealand Commerce Commission in relation to section 2.8.1 of the determination for any purpose or in any context. Any party other than First Gas Limited 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 First Gas Limited and the New Zealand Commerce Commission for our work, for this independent reasonable assurance report, or for the conclusions we have reached.

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

Directors' responsibility for the schedules

The directors of the company are responsible for the preparation and fair presentation of the schedules in accordance with the determination. This responsibility includes such internal control as the directors determine is necessary to enable the preparation of the schedules that is free from material misstatement whether due to fraud or error.

Our responsibility

Our responsibility is to express a conclusion to the directors on the preparation and presentation of the schedules in accordance with the determination.

We believe that the evidence we have obtained is sufficient and appropriate to provide a basis for our reasonable assurance conclusion.

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, other assurance and non-audit services to First Gas Limited. Partners and employees of our firm may also deal with First Gas Limited on normal terms within the ordinary course of trading activities of the business of First Gas Limited. These matters have not impaired our independence as assurance practitioners for this assurance engagement. The firm has no other relationship with, or interest in, First Gas Limited.

KPMG Auckland

21 March 2018