GDB Information Disclosure Requirements

Information Templates

for

Schedules 1–10

Company Name	Vector gas distribution business
Disclosure Date	19 December 2018
Disclosure Year (year ended)	30 June 2018

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

Table of Contents

Disclosure Template Instructions

These templates have been prepared for use by GDBs when making disclosures under subclauses 2.3.1, 2.4.21, 2.4.22, 2.5.1, and 2.5.2 of the Gas Distribution Information Disclosure Determination 2012.

Company Name and Dates

To prepare the templates for disclosure, the supplier's company name should be entered in cell C8, the date of the last day of the current (disclosure) year should be entered in cell C12, and the date on which the information is disclosed should be entered in cell C10 of the CoverSheet worksheet.
The cell C12 entry (current year) is used to calculate disclosure years in the column headings that show above some of the tables and in labels adjacent to some entry cells. It is also used to calculate the 'For year ended' date in the template title blocks (the title blocks are the light green shaded areas at the top of each template).
The cell C8 entry (company name) is used in the template title blocks.
Dates should be entered in day/month/year order (Example -"1 April 2013").

Data Entry Cells and Calculated Cells

Data entered into this workbook may be entered only into the data entry cells. Data entry cells are the bordered, unshaded areas (white cells) in each template. Under no circumstances should data be entered into the workbook outside a data entry cell.
In some cases, where the information for disclosure is able to be ascertained from disclosures elsewhere in the workbook, such information is disclosed in a calculated cell.

Validation Settings on Data Entry Cells

To maintain a consistency of format and to help guard against errors in data entry, some data entry cells test keyboard entries for validity and accept only a limited range of values. For example, entries may be limited to a list of category names, to values between 0% and 100%, or either a numeric entry or the text entry "N/A". Where this occurs, a validation message will appear when data is being entered. These checks are applied to keyboard entries only and not, for example, to entries made using Excel's copy and paste facility.

Conditional Formatting Settings on Data Entry Cells

Schedule 2 cells G79 and I79:L79 will change colour if the total cashflows do not equal the corresponding values in table 2(ii).
Schedule 4 cells P99:P105 and P107 will change colour if the RAB values do not equal the corresponding values in table 4(ii).
Schedule 9b columns AA to AE (2013 to 2017) contain conditional formatting. The data entry cells for future years are hidden (are changed from white to yellow).
Schedule 9b cells AG10 to AG37 will change colour if the total assets at year end for each asset class does not equal the corresponding values in column I in Schedule 9a.
Schedule 9c cell F22 will change colour if F22 (system length by operating pressure) does not equal F16 (system length by material).

Inserting Additional Rows and Columns

The templates for schedules 4, 5b, 5c, 5d, 5e, 5i, 6a, 8, 9c, 9d, 10a and 10b may require additional rows to be inserted in tables marked 'include additional rows if needed' or similar. Column A schedule references should not be entered in additional rows, and should be deleted from additional rows that are created by copying and pasting rows that have schedule references.
Additional rows in schedules 5c, 6a, 9c and 9d must not be inserted directly above the first row or below the last row of a table. This is to ensure that entries made in the new row are included in the totals.
Schedules 5d and 5e may require new cost or asset category rows to be inserted in allocation change tables 5d(iii) and 5e(ii). Accordingly, cell protection has been removed from row 72 of schedule 5d and row 71 of schedule 5e to allow blocks of rows to be copied. The four steps to add new cost category rows to table 5d(iii) are: Select Excel rows 64:72 of the relevant template, copy, select Excel row 73, then insert copied cells. Similarly, for table 5e(ii): Select Excel rows 63:71 of the relevant template, copy, select Excel row 72, then insert copied cells.
The template for schedule 8 may require additional columns to be inserted between column M and Q. To avoid interfering with the title block entries, these should be inserted to the left of column N. If inserting additional columns, the formulas for standard consumers total, non-standard consumers totals and total for all consumers will need to be copied into the cells of the added columns. The formulas can be found in the equivalent cells of the existing columns.

Disclosures by Sub-Network

Schedules 8, 9a, 9b, 9c, 9d, 10a and 10b must be completed for the network and for each sub-network. A copy of the schedule worksheet(s) must be made for each subnetwork and named accordingly.

Schedule References

The references labelled 'sch ref' in the leftmost column of each template are consistent with the row references in the Gas Distribution ID Determination 2012 (as issued on 24 March 2015). They provide a common reference between the rows in the determination and the template.

Description of Calculation References

Calculation cell formulas contain links to other cells within the same template or elsewhere in the workbook. Key cell references are described in a column to the right of each template. These descriptions are provided to assist data entry. Cell references refer to the row of the template and not the schedule reference.

Worksheet Completion Sequence

Calculation cells may show an incorrect value until precedent cell entries have been complated. Data entry may be assisted by completing the schedules in the following order:

1. Coversheet
2. Schedules 5a–5e
3. Schedules 6a–6b
4. Schedule 8
5. Schedule 3
6. Schedule 4
7. Schedule 2
8. Schedule 7
9. Schedules 9a–9d
10. Schedules 10a and 10b

Company Name	**Vector gas distribution business**
For Year Ended	**30 June 2018**

SCHEDULE 1: ANALYTICAL RATIOS

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

	Expenditure per TJ energy delivered to ICPs ($/TJ)	Expenditure per average no. of ICPs ($/ICP)	Ratio of expenditure to maximum monthly load ($ per GJ/month)	Expenditure per km of pipeline for supply ($/km)
Operational expenditure	798	105	7	1,710
Network	330	44	3	707
Non-network	468	62	4	1,002
Expenditure on assets	1,988	262	18	4,261
Network	1,866	246	17	3,999
Non-network	122	16	1	262

1(ii): Revenue Metrics

	Revenue per TJ energy delivered to ICPs ($/TJ)	Revenue per average no. of ICPs ($/ICP)
Total line charge revenue	3,447	455
Standard consumer line charge revenue	4,546	425
Non-standard consumer line charge revenue	781	108,367

1(iii): Service Intensity Measures

Demand density	231	*Maximum monthly load (GJ per month) per system length*
Volume density	2	*Quantity of gas delivered per km of system length (TJ/km)*
Connection point density	16	*Average number of ICPs in disclosure year per system length*
Energy intensity	132	*Total GJ delivered to ICPs per average number of ICPs in disclosure year*

1(iv): Composition of Revenue Requirement

	($000)	% of revenue
Operational expenditure	11,388	23.15%
Pass-through and recoverable costs excluding financial incentives and wash-ups	2,221	4.52%
Total depreciation	10,995	22.36%
Total revaluations	5,853	11.90%
Regulatory tax allowance	5,791	11.77%
Regulatory profit/(loss) including financial incentives and wash-ups	24,479	49.77%
Total regulatory income	49,180	

1(v): Reliability

Interruption rate	8.86	*Interruptions per 100km of system length*

Company Name	**Vector gas distribution business**
For Year Ended	**30 June 2018**

SCHEDULE 2: REPORT ON RETURN ON INVESTMENT

This schedule requires information on the Return on Investment (ROI) for the GDB relative to the Commerce Commission's estimates of post tax WACC and vanilla WACC. GDBs 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 GDB makes this election, information supporting this calculation must be provided in 2(iii).
GDBs 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.

sch ref					
7	**2(i): Return on Investment**		**CY-2**	**CY-1**	**Current Year CY**
8		for year ended	**30 Jun 16**	**30 Jun 17**	**30 Jun 18**
9	**ROI – comparable to a post tax WACC**		**%**	**%**	**%**
10	Reflecting all revenue earned		6.51%	7.58%	6.19%
11	Excluding revenue earned from financial incentives		6.51%	7.58%	6.19%
12	Excluding revenue earned from financial incentives and wash-ups		6.51%	7.58%	6.19%
13					
14	**Mid-point estimate of post tax WACC**		6.02%	5.30%	5.20%
15	25th percentile estimate		5.21%	4.49%	4.49%
16	75th percentile estimate		6.83%	6.11%	5.91%
17					
18					
19	**ROI – comparable to a vanilla WACC**				
20	Reflecting all revenue earned		7.14%	8.09%	6.74%
21	Excluding revenue earned from financial incentives		7.14%	8.09%	6.74%
22	Excluding revenue earned from financial incentives and wash-ups		7.14%	8.09%	6.74%
23					
24	**WACC rate used to set regulatory price path**		7.44%	7.44%	6.41%
25					
26	**Mid-point estimate of vanilla WACC**		6.65%	5.82%	5.73%
27	25th percentile estimate		5.84%	5.01%	5.02%
28	75th percentile estimate		7.46%	6.63%	6.44%
29					

30	**2(ii): Information Supporting the ROI**			**($000)**	
31					
32		Total opening RAB value	390,463		
33	*plus*	Opening deferred tax	(26,205)		
34	**Opening RIV**			364,258	
35					
36	**Line charge revenue**			49,223	
37					
38		Expenses cash outflow	13,609		
39	*plus*	Assets commissioned	20,708		
40	*less*	Asset disposals	43		
41	*plus*	Tax payments	3,089		
42	*less*	Other regulated income	(43)		
43	**Mid-year net cash flows**			37,406	
44					
45	**Term credit spread differential allowance**			160	
46					
47		Total closing RAB value	406,008		
48	*less*	Adjustment resulting from asset allocation	22		
49	*less*	Lost and found assets adjustment	-		
50	*plus*	Closing deferred tax	(28,907)		
51	**Closing RIV**			377,080	
52					
53	**ROI – comparable to a vanilla WACC**				6.74%
54					
55		Leverage (%)			44%
56		Cost of debt assumption (%)			4.49%
57		Corporate tax rate (%)			28%
58					
59	**ROI – comparable to a post tax WACC**				6.19%
60					

Company Name	**Vector gas distribution business**
For Year Ended	**30 June 2018**

SCHEDULE 2: REPORT ON RETURN ON INVESTMENT

This schedule requires information on the Return on Investment (ROI) for the GDB relative to the Commerce Commission's estimates of post tax WACC and vanilla WACC. GDBs 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 GDB makes this election, information supporting this calculation must be provided in 2(iii).
GDBs 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.

sch ref

2(iii): Information Supporting the Monthly ROI

Opening RIV — N/A

($000)

	Line charge revenue	Expenses cash outflow	Assets commissioned	Asset disposals	Other regulated income	Monthly net cash outflows
Month 1						-
Month 2						-
Month 3						-
Month 4						-
Month 5						-
Month 6						-
Month 7						-
Month 8						-
Month 9						-
Month 10						-
Month 11						-
Month 12						-
Total	-	-	-	-	-	-

Tax Payments — N/A

Term credit spread differential allowance — N/A

Closing RIV — N/A

Monthly ROI – comparable to a vanilla WACC — N/A

Monthly ROI – comparable to a post tax WACC — N/A

2(iv): Year-End ROI Rates for Comparison Purposes

Year-end ROI – comparable to a vanilla WACC — 6.53%

Year-end ROI – comparable to a post tax WACC — 5.98%

** these year-end ROI values are comparable to the ROI reported in pre 2012 disclosures by GDBs and do not represent the Commission's current view on ROI.*

2(v): Financial Incentives and Wash-Ups

Net recoverable costs allowed under incremental rolling incentive scheme	-	
Other financial incentives	-	
Financial incentives		-
Impact of financial incentives on ROI		-
Input methodology claw-back	-	
Recoverable customised price-quality path costs	-	
Other wash-ups	-	
Wash-up costs		-
Impact of wash-up costs on ROIs		-

Company Name	**Vector gas distribution business**
For Year Ended	**30 June 2018**

SCHEDULE 3: REPORT ON REGULATORY PROFIT

This schedule requires information on the calculation of regulatory profit for the GDB for the disclosure year. GDBs must complete all sections and must provide explanatory comment on their 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 report required by section 2.8.

sch ref			($000)
7	**3(i): Regulatory Profit**		
8		**Income**	
9		Line charge revenue	49,223
10	*plus*	Gains / (losses) on asset disposals	(43)
11	*plus*	Other regulated income (other than gains / (losses) on asset disposals)	-
12			
13		**Total regulatory income**	49,180
14		**Expenses**	
15	*less*	Operational expenditure	11,388
16			
17	*less*	Pass-through and recoverable costs excluding financial incentives and wash-ups	2,221
18			
19		**Operating surplus / (deficit)**	35,571
20			
21	*less*	Total depreciation	10,995
22			
23	*plus*	Total revaluations	5,853
24			
25		**Regulatory profit / (loss) before tax**	30,429
26			
27	*less*	Term credit spread differential allowance	160
28			
29	*less*	Regulatory tax allowance	5,791
30			
31		**Regulatory profit/(loss) including financial incentives and wash-ups**	24,479
32			

				($000)
33	**3(ii): Pass-through and recoverable costs excluding financial incentives and wash-ups**			
34		**Pass through costs**		
35		Rates	1,908	
36		Commerce Act levies	247	
37		Industry Levies	66	
38		CPP specified pass through costs	-	
39		**Recoverable costs excluding financial incentives and wash-ups**		
40		Other recoverable costs excluding financial incentives and wash-ups	-	
41		**Pass-through and recoverable costs excluding financial incentives and wash-ups**		2,221
42				
43				

				($000)
44	**3(iii): Incremental Rolling Incentive Scheme**			
45			**CY-1**	**CY**
46			**30 Jun 17**	**30 Jun 18**
47		Allowed controllable opex	-	-
48		Actual controllable opex	-	-
49				
50		**Incremental change in year**		-
51				
52			**Previous years' incremental change**	**Previous years' incremental change adjusted for inflation**
53	CY-5	30 Jun 13	-	-
54	CY-4	30 Jun 14	-	-
55	CY-3	30 Jun 15	-	-
56	CY-2	30 Jun 16	-	-
57	CY-1	30 Jun 17	-	-
58		**Net incremental rolling incentive scheme**		-
59				
60		**Net recoverable costs allowed under incremental rolling incentive scheme**		-
61				

		($000)
62	**3(iv): Merger and Acquisition Expenditure**	
63		
64	Merger and acquisition expenditure	-
65		
66	*Provide commentary on the benefits of merger and acquisition expenditure to the gas distribution business, including required disclosures in accordance with section 2.7, in Schedule 14 (Mandatory Explanatory Notes)*	

		($000)
67		
68	**3(v): Other Disclosures**	
69		
70	Self-insurance allowance	-

Company Name	**Vector gas distribution business**
For Year Ended	**30 June 2018**

SCHEDULE 4: REPORT ON VALUE OF THE REGULATORY ASSET BASE (ROLLED FORWARD)

This schedule requires information on the calculation of the Regulatory Asset Base (RAB) value to the end of this disclosure year. This informs the ROI calculation in Schedule 2. GDBs must provide explanatory comment on the value of their RAB 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.

sch ref

4(i): Regulatory Asset Base Value (Rolled Forward)

		for year ended	RAB 30 Jun 14 ($000)	RAB 30 Jun 15 ($000)	RAB 30 Jun 16 ($000)	RAB 30 Jun 17 ($000)	RAB 30 Jun 18 ($000)
	Total opening RAB value		467,458	483,573	496,747	375,662	390,463
	Total opening RAB value for Non Auckland gas distribution				131,352		
less	**Total depreciation**		14,483	15,182	9,484	10,338	10,995
plus	**Total revaluations**		7,548	1,933	1,521	6,542	5,853
plus	**Assets commissioned**		23,068	26,629	17,653	18,700	20,708
less	**Asset disposals**		50	143	92	107	43
plus	**Lost and found assets adjustment**			(25)		-	-
plus	**Adjustment resulting from asset allocation**		32	(38)	669	4	22
	Total closing RAB value		483,573	496,747	375,662	390,463	406,008

4(ii): Unallocated Regulatory Asset Base

		Unallocated RAB * ($000)	Unallocated RAB * ($000)	RAB ($000)	RAB ($000)
	Total opening RAB value		418,288		390,463
less					
	Total depreciation		20,025		10,995
plus					
	Total revaluations		6,241		5,853
plus					
	Assets commissioned (other than below)	32,590		20,708	
	Assets acquired from a regulated supplier	-		-	
	Assets acquired from a related party	-		-	
	Assets commissioned		32,590		20,708
less					
	Asset disposals (other than below)	177		43	
	Asset disposals to a regulated supplier	-		-	
	Asset disposals to a related party	-		-	
	Asset disposals		177		43
plus	**Lost and found assets adjustment**		-		-
plus	**Adjustment resulting from asset allocation**				22
	Total closing RAB value		436,917		406,008

** The 'unallocated RAB' is the total value of those assets used wholly or partially to provide gas distribution services without any allowance being made for the allocation of costs to services provided by the supplier that are not gas distribution services. The RAB value represents the value of these assets after applying this cost allocation. Neither value includes works under construction.*

Company Name	**Vector gas distribution business**
For Year Ended	**30 June 2018**

SCHEDULE 4: REPORT ON VALUE OF THE REGULATORY ASSET BASE (ROLLED FORWARD)

This schedule requires information on the calculation of the Regulatory Asset Base (RAB) value to the end of this disclosure year. This informs the ROI calculation in Schedule 2. GDBs must provide explanatory comment on the value of their RAB 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.

sch ref

4(iii): Calculation of Revaluation Rate and Revaluation of Assets

	CPI_4		1,015
	CPI_4^{-4}		1,000
	Revaluation rate (%)		1.50%

		Unallocated RAB * ($000)	($000)	RAB ($000)	($000)
	Total opening RAB value	418,289		390,463	
less	Opening value of fully depreciated, disposed and lost assets	2,226		259	
	Total opening RAB value subject to revaluation	416,063		390,204	
	Total revaluations		6,241		5,853

4(iv): Roll Forward of Works Under Construction

		Unallocated works under construction		Allocated works under construction	
	Works under construction—preceding disclosure year		2,653		2,594
plus	Capital expenditure	36,883		22,381	
less	Assets commissioned	32,590		20,708	
plus	Adjustment resulting from asset allocation			(84)	
	Works under construction - current disclosure year		6,946		4,183
	Highest rate of capitalised finance applied				5.90%

4(v): Regulatory Depreciation

		Unallocated RAB ($000)	($000)	RAB ($000)	($000)
	Depreciation - standard	9,793		9,793	
	Depreciation - no standard life assets	10,232		1,202	
	Depreciation - modified life assets	-		-	
	Depreciation - alternative depreciation in accordance with CPP	-		-	
	Total depreciation		20,025		10,995

4(vi): Disclosure of Changes to Depreciation Profiles

($000 unless otherwise specified)

Asset or assets with changes to depreciation	Reason for non-standard depreciation (text entry)	Depreciation charge for the period (RAB)	Closing RAB value under 'non-standard' depreciation	Closing RAB value under 'standard' depreciation

** include additional rows if needed*

4(vii): Disclosure by Asset Category

($000 unless otherwise specified)

		Intermediate pressure main pipelines	Medium pressure main pipelines	Low pressure main pipelines	Service pipe	Stations	Line valve	Special crossings	Other network assets	Non-network assets	Total	
	Total opening RAB value	47,927	247,321	9,915	62,944	4,873	4,137	884	8,975	3,487	390,463	
less	Total depreciation	1,311	6,068	307	1,207	217	153	18	512	1,202	10,995	
plus	Total revaluations	718	3,708	149	946	73	63	13	134	49	5,853	
plus	Assets commissioned	222	10,599	-	7,902	128	84	-	481	1,292	20,708	
less	Asset disposals	-	31	3	3	3	-	-	3	-	43	
plus	Lost and found assets adjustment	-	-	-	-	-	-	-	-	-	-	
plus	Adjustment resulting from asset allocation	-	-	-	-	-	-	-	-	22	22	
plus	Asset category transfers	-	-	-	-	-	-	-	-	-	-	
	Total closing RAB value	47,556	255,529	9,754	70,582	4,854	4,131	879	9,075	3,647	406,008	
	Asset Life											
	Weighted average remaining asset life	42	43	38	54	26	43	52	31	7		(years)
	Weighted average expected total asset life	70	60	60	63	35	60	64	44	13		(years)

Company Name	**Vector gas distribution business**
For Year Ended	**30 June 2018**

SCHEDULE 5a: REPORT ON REGULATORY TAX ALLOWANCE

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). GDBs 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 2.8.

sch ref					
7	**5a(i): Regulatory Tax Allowance**				**($000)**
8		**Regulatory profit / (loss) before tax**			30,429
9					
10	*plus*	Income not included in regulatory profit / (loss) before tax but taxable	-	*	
11		Expenditure or loss in regulatory profit / (loss) before tax but not deductible	61	*	
12		Amortisation of initial differences in asset values	2,453		
13		Amortisation of revaluations	786		
14					3,300
15					
16	*less*	Total revaluations	5,853		
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	-	*	
19		Notional deductible interest	7,196		
20					13,049
21					
22		**Regulatory taxable income**			20,680
23					
24	*less*	Utilised tax losses	-		
25		Regulatory net taxable income			20,680
26					
27		Corporate tax rate (%)	28%		
28		**Regulatory tax allowance**			5,791
29					
30	*	Workings to be provided in Schedule 14			
31					
32	**5a(ii): Disclosure of Permanent Differences**				
33		In Schedule 14, Box 5, provide descriptions and workings of items recorded in the asterisked categories in Schedule 5a(i).			
34	**5a(iii): Amortisation of Initial Difference in Asset Values**				**($000)**
35					
36		Opening unamortised initial differences in asset values	85,864		
37	*less*	Amortisation of initial differences in asset values	2,453		
38	*plus*	Adjustment for unamortised initial differences in assets acquired	-		
39	*less*	Adjustment for unamortised initial differences in assets disposed	34		
40		Closing unamortised initial differences in asset values			83,377
41					
42		Opening weighted average remaining useful life of relevant assets (years)			35
43					

Company Name	**Vector gas distribution business**
For Year Ended	**30 June 2018**

SCHEDULE 5a: REPORT ON REGULATORY TAX ALLOWANCE

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). GDBs 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 2.8.

sch ref				($000)
44	**5a(iv): Amortisation of Revaluations**			
45				
46		Opening sum of RAB values without revaluations	359,832	
47				
48		Adjusted depreciation	10,209	
49		Total depreciation	10,995	
50		Amortisation of revaluations		786
51				
52	**5a(v): Reconciliation of Tax Losses**			($000)
53				
54		**Opening tax losses**	-	
55	*plus*	Current period tax losses	-	
56	*less*	Utilised tax losses	-	
57		**Closing tax losses**		-
58	**5a(vi): Calculation of Deferred Tax Balance**			($000)
59				
60		**Opening deferred tax**	(26,205)	
61				
62	*plus*	Tax effect of adjusted depreciation	2,859	
63				
64	*less*	Tax effect of tax depreciation	4,433	
65				
66	*plus*	Tax effect of other temporary differences*	(390)	
67				
68	*less*	Tax effect of amortisation of initial differences in asset values	687	
69				
70	*plus*	Deferred tax balance relating to assets acquired in the disclosure year	-	
71				
72	*less*	Deferred tax balance relating to assets disposed in the disclosure year	15	
73				
74	*plus*	Deferred tax cost allocation adjustment	(35)	
75				
76		**Closing deferred tax**		(28,907)
77				
78	**5a(vii): Disclosure of Temporary Differences**			
79		*In Schedule 14, Box 6, provide descriptions and workings of items recorded in the asterisked category in Schedule 5a(vi) (Tax effect of other temporary differences).*		
80				
81	**5a(viii): Regulatory Tax Asset Base Roll-Forward**			
82				($000)
83		**Opening sum of regulatory tax asset values**	175,628	
84	*less*	Tax depreciation	15,832	
85	*plus*	Regulatory tax asset value of assets commissioned	18,311	
86	*less*	Regulatory tax asset value of asset disposals	37	
87	*plus*	Lost and found assets adjustment	-	
88	*plus*	Adjustments resulting from asset allocation	(104)	
89	*plus*	Other adjustments to the RAB tax value	-	
90		**Closing sum of regulatory tax asset values**		177,966

Company Name	**Vector gas distribution business**
For Year Ended	**30 June 2018**

SCHEDULE 5b: REPORT ON RELATED PARTY TRANSACTIONS

This schedule provides information on the valuation of related party transactions, in accordance with section 2.3.6 and 2.3.7 of the ID 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

5b(i): Summary—Related Party Transactions

	($000)
Total regulatory income	3,487
Operational expenditure	63
Capital expenditure	-
Market value of asset disposals	-
Other related party transactions	-

5b(ii): Entities Involved in Related Party Transactions

Name of related party	Related party relationship
Vector Gas Trading Limited	A fully owned subsidiary of Vector Limited.
Vector Communications Limited	A fully owned subsidiary of Vector Limited.

** include additional rows if needed*

5b(iii): Related Party Transactions

Name of related party	Related party transaction type	Description of transaction	Value of transaction ($000)	Basis for determining value
Vector Gas Trading Limited	Sales	Sold distribution services	3,487	ID clause 2.3.7(2)(a)
Vector Communications Limited	Opex	Purchase of telecommunications services	63	ID clause 2.3.6(2)(d)

** include additional rows if needed*

Company Name	**Vector gas distribution business**
For Year Ended	**30 June 2018**

SCHEDULE 5c: REPORT ON TERM CREDIT SPREAD DIFFERENTIAL ALLOWANCE

This schedule is only to be completed if, as at the date of the most recently published financial statements, the weighted average original tenor of the debt portfolio (both qualifying debt and non-qualifying debt) is greater than five years. 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

5c(i): Qualifying Debt (may be Commission only)

Issuing party	Issue date	Pricing date	Original tenor (in years)	Coupon rate (%)	Book value at issue date (NZD)	Book value at date of financial statements (NZD)	Term Credit Spread Difference	Cost of executing an interest rate swap	Debt issue cost readjustment
Capital bonds – fixed coupon									
	15-Jun-17	14-Jun-17	5	5.7	**307,205**	**305,894**	**[]VCI**	**[]VCI**	**[]VCI**
Floating rate notes									
FRN - series 3	26-Oct-05	26-Oct-05	15	BKBM + []VCI	**350,000**	**349,024**	**[]VCI**	**[]VCI**	**[]VCI**
Medium term notes – GBP fixed rate									
	11-Apr-08	8-Apr-08	10.8	7.625	**285,614**	**224,189**	**[]VCI**	**[]VCI**	**[]VCI**
Senior notes - USD fixed rate									
2004 series- 15 years	16-Sep-04	19-Jul-04	15	5.75	296,623		[]VCI	[]VCI	[]VCI
2010 series- 12 years	20-Dec-10	22-Sep-10	12	[]VCI	250,516		[]VCI	[]VCI	[]VCI
2014 series- 7 years	14-Oct-14	19-Jun-14	7	[]VCI	150,000		[]VCI	[]VCI	[]VCI
2017 series - 10 years	25-Oct-17	28-Sep-17	10	[]VCI	277,200		[]VCI	[]VCI	[]VCI
2017 series - 12 years	25-Oct-17	28-Sep-17	12	[]VCI	138,600		[]VCI	[]VCI	[]VCI
Senior notes - USD fixed rate subtotal					**1,112,939**	**1,162,927**	**[]VCI**	**[]VCI**	**[]VCI**
Fixed Rate Wholesale Bonds									
	14-Mar-17	3-Mar-17	7	4.996	**100,000**				
	25-Jun-18	21-Jun-18	6	4.996	**140,000**				
Fixed Rate Wholesale Bonds subtotal						**244,372**	**[]VCI**	**[]VCI**	**[]VCI**
Senior credit facilities									
[]VCI	15-Mar-17	23-Dec-16	3	BKBM + []VCI					
[]VCI	15-Mar-17	23-Dec-16	3	BKBM + []VCI					
[]VCI	15-Mar-17	23-Dec-16	3	BKBM + []VCI					
[]VCI	2-Feb-18	19-Dec-17	3	BKBM + []VCI					
[]VCI	2-Feb-18	19-Dec-17	3	BKBM + []VCI					
[]VCI	2-Feb-18	19-Dec-17	3	BKBM + []VCI					
[]VCI	2-Feb-18	19-Dec-17	3	BKBM + []VCI					
Bank loans subtotal						**108,908**			
** include additional rows if needed*						2,395,314	[]VCI	[]VCI	[]VCI

5c(ii): Attribution of Term Credit Spread Differential

Gross term credit spread differential		2,183
Total book value of interest bearing debt	2,395,314	
Leverage	44%	
Average opening and closing RAB values	398,236	
Attribution Rate (%)		7%
Term credit spread differential allowance		160

Company Name	**Vector gas distribution business**
For Year Ended	**30 June 2018**

SCHEDULE 5d: REPORT ON COST ALLOCATIONS

This schedule provides information on the allocation of operational costs. GDBs must provide explanatory comment on their cost allocation in Schedule 14 (Mandatory Explanatory Notes), including on the impact of any reclassifications. 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

5d(i): Operating Cost Allocations

		Value allocated ($000s)				
		Arm's length deduction	Gas distribution services	Non-gas distribution services	Total	OVABAA allocation increase ($000s)
10	**Service interruptions, incidents and emergencies**					
11	Directly attributable		2,160			
12	Not directly attributable	-	-	-	-	-
13	**Total attributable to regulated service**		2,160			
14	**Routine and corrective maintenance and inspection**					
15	Directly attributable		2,552			
16	Not directly attributable	-	-	-	-	-
17	**Total attributable to regulated service**		2,552			
18	**Asset replacement and renewal**					
19	Directly attributable		-			
20	Not directly attributable	-	-	-	-	-
21	**Total attributable to regulated service**		-			
22	**System operations and network support**					
23	Directly attributable		704			
24	Not directly attributable	-	1,420	10,042	11,462	-
25	**Total attributable to regulated service**		2,124			
26	**Business support**					
27	Directly attributable		36			
28	Not directly attributable	-	4,516	43,817	48,333	-
29	**Total attributable to regulated service**		4,552			
30						
31	**Operating costs directly attributable**		5,452			
32	**Operating costs not directly attributable**	-	5,936	53,859	59,795	-
33	**Operational expenditure**		11,388			
34						

Company Name	**Vector gas distribution business**
For Year Ended	**30 June 2018**

SCHEDULE 5d: REPORT ON COST ALLOCATIONS

This schedule provides information on the allocation of operational costs. GDBs must provide explanatory comment on their cost allocation in Schedule 14 (Mandatory Explanatory Notes), including on the impact of any reclassifications. 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

5d(ii): Other Cost Allocations

		Value allocated ($000s)				
		Arm's length deduction	Gas distribution services	Non-gas distribution services	Total	OVABAA allocation increase ($000s)
	Pass through and recoverable costs					
	Pass through costs					
	Directly attributable		2,221			
	Not directly attributable	-	-	-	-	-
	Total attributable to regulated service		2,221			
	Recoverable costs					
	Directly attributable		-			
	Not directly attributable	-	-	-	-	-
	Total attributable to regulated service		-			

5d(iii): Changes in Cost Allocations* †

Change in cost allocation 1

			($000)	
			CY-1	Current Year (CY)
Cost category		Original allocation	-	-
Original allocator or line items		New allocation	-	-
New allocator or line items		Difference	-	-
Rationale for change				

Change in cost allocation 2

			($000)	
			CY-1	Current Year (CY)
Cost category		Original allocation	-	-
Original allocator or line items		New allocation	-	-
New allocator or line items		Difference	-	-
Rationale for change				

Change in cost allocation 3

			($000)	
			CY-1	Current Year (CY)
Cost category		Original allocation		-
Original allocator or line items		New allocation		-
New allocator or line items		Difference	-	-
Rationale for change				

** a change in cost allocation must be completed for each cost allocator change that has occurred in the disclosure year. A movement in an allocator metric is not a change in allocator or component.*

† include additional rows if needed

Company Name	**Vector gas distribution business**
For Year Ended	**30 June 2018**

SCHEDULE 5e: REPORT ON ASSET ALLOCATIONS

This schedule requires information on the allocation of asset values. This information supports the calculation of the RAB value in Schedule 4. GDBs must provide explanatory comment on their cost allocation in Schedule 14 (Mandatory Explanatory Notes), including on the impact of any changes in asset allocations. 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

5e(i): Regulated Service Asset Values

	Value allocated ($000s) Gas distribution services
Main pipe	
Directly attributable	312,840
Not directly attributable	-
Total attributable to regulated service	312,840
Service pipe	
Directly attributable	70,582
Not directly attributable	-
Total attributable to regulated service	70,582
Stations	
Directly attributable	4,854
Not directly attributable	-
Total attributable to regulated service	4,854
Line valve	
Directly attributable	4,131
Not directly attributable	-
Total attributable to regulated service	4,131
Special crossings	
Directly attributable	879
Not directly attributable	-
Total attributable to regulated service	879
Other network assets	
Directly attributable	9,075
Not directly attributable	
Total attributable to regulated service	9,075
Non-network assets	
Directly attributable	187
Not directly attributable	3,460
Total attributable to regulated service	3,647
Regulated service asset value directly attributable	402,548
Regulated service asset value not directly attributable	3,460
Total closing RAB value	406,008

5e(ii): Changes in Asset Allocations* †

Change in asset value allocation 1

			($000) CY-1	Current Year (CY)
Asset category		Original allocation		
Original allocator or line items		New allocation		
New allocator or line items		Difference	-	-
Rationale for change				

Change in asset value allocation 2

			($000) CY-1	Current Year (CY)
Asset category		Original allocation		
Original allocator or line items		New allocation		
New allocator or line items		Difference	-	-
Rationale for change				

Change in asset value allocation 3

			($000) CY-1	Current Year (CY)
Asset category		Original allocation		
Original allocator or line items		New allocation		
New allocator or line items		Difference	-	-
Rationale for change				

component.

† include additional rows if needed

Company Name	**Vector gas distribution business**
For Year Ended	**30 June 2018**

SCHEDULE 6a: REPORT ON CAPITAL EXPENDITURE FOR THE DISCLOSURE YEAR

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 costs.
GDBs 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 2.8.

sch ref			($000)	($000)
7	**6a(i): Expenditure on Assets**			
8		Consumer connection		21,019
9		System growth		1,204
10		Asset replacement and renewal		770
11		Asset relocations		2,971
12		Reliability, safety and environment:		
13		Quality of supply	-	
14		Legislative and regulatory	634	
15		Other reliability, safety and environment	39	
16		**Total reliability, safety and environment**		673
17		**Expenditure on network assets**		26,637
18		Expenditure on non-network assets		1,743
19				
20		**Expenditure on assets**		28,380
21	*plus*	Cost of financing		129
22	*less*	Value of capital contributions		6,128
23	*plus*	Value of vested assets		-
24				
25		**Capital expenditure**		22,381

			($000)
26	**6a(ii): Subcomponents of Expenditure on Assets (where known)**		
27		Research and development	-

			($000)	($000)
28	**6a(iii): Consumer Connection**			
29		*Consumer types defined by GDB**		
30		Mains Extensions/Subdivsions	8,675	
31		Service Connections - Residential	9,575	
32		Service Connections - Commercial	2,769	
33		Customer Easements	-	
34				
35		** include additional rows if needed*		
36		**Consumer connection expenditure**		21,019
37				
38	*less*	Capital contributions funding consumer connection expenditure	3,805	
39		**Consumer connection less capital contributions**		17,214

Company Name	**Vector gas distribution business**
For Year Ended	**30 June 2018**

SCHEDULE 6a: REPORT ON CAPITAL EXPENDITURE FOR THE DISCLOSURE YEAR

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 costs.
GDBs 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 2.8.

sch ref

6a(iv): System Growth and Asset Replacement and Renewal

		System Growth ($000)	Asset Replacement and Renewal ($000)
	Intermediate pressure		
	Main pipe	-	170
	Service pipe	-	-
	Stations	19	-
	Line valve	-	-
	Special crossings	-	-
	Intermediate pressure -total	19	170
	Medium pressure		
	Main pipe	1,185	472
	Service pipe	-	58
	Stations	-	-
	Line valve	-	-
	Special crossings	-	-
	Medium pressure - total	1,185	530
	Low pressure		
	Main pipe	-	-
	Service pipe	-	-
	Line valve	-	-
	Special crossings	-	-
	Low pressure - total	-	-
	Other network assets		
	Monitoring and control systems	-	-
	Cathodic protection systems	-	66
	Other assets (other than above)	-	4
	Other network assets - total	-	70
	System growth and asset replacement and renewal expenditure	1,204	770
less	Capital contributions funding system growth and asset replacement and renewal	-	85
	System growth and asset replacement and renewal less capital contributions	1,204	685

6a(v): Asset Relocations

	*Project or programme**	($000)	($000)
	** include additional rows if needed*		
	All other projects or programmes - asset relocations	2,971	
	Asset relocations expenditure		2,971
less	Capital contributions funding asset relocations	2,238	
	Asset relocations less capital contributions		733

Company Name	**Vector gas distribution business**
For Year Ended	**30 June 2018**

SCHEDULE 6a: REPORT ON CAPITAL EXPENDITURE FOR THE DISCLOSURE YEAR

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 costs.
GDBs 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 2.8.

sch ref

6a(vi): Quality of Supply

		*Project or programme**	($000)	($000)
87				
88				
89				
90				
91				
92		** include additional rows if needed*		
93		All other projects or programmes - quality of supply	-	
94		**Quality of supply expenditure**		-
95	*less*	Capital contributions funding quality of supply		
96		**Quality of supply less capital contributions**		-

6a(vii): Legislative and Regulatory

		*Project or programme**	($000)	($000)
100				
101				
102				
103				
104				
105		** include additional rows if needed*		
106		All other projects or programmes - legislative and regulatory	634	
107		**Legislative and regulatory expenditure**		634
108	*less*	Capital contributions funding legislative and regulatory		
109		**Legislative and regulatory less capital contributions**		634

6a(viii): Other Reliability, Safety and Environment

		*Project or programme**	($000)	($000)
113				
114				
115				
116				
117				
118		** include additional rows if needed*		
119		All other projects or programmes - other reliability, safety and environment	39	
120		**Other reliability, safety and environment expenditure**		39
121	*less*	Capital contributions funding other reliability, safety and environment		
122		**Other reliability, safety and environment less capital contributions**		39

6a(ix): Non-Network Assets

Routine expenditure

		*Project or programme**	($000)	($000)
126				
127				
128				
129				
130				
131		** include additional rows if needed*		
132		All other projects or programmes - routine expenditure	424	
133		**Routine expenditure**		424

Atypical expenditure

		*Project or programme**	($000)	($000)
136				
137				
138				
139				
140				
141		** include additional rows if needed*		
142		All other projects or programmes - atypical expenditure	1,319	
143		**Atypical expenditure**		1,319
144				
145		**Expenditure on non-network assets**		1,743

Company Name	**Vector gas distribution business**
For Year Ended	**30 June 2018**

SCHEDULE 6b: REPORT ON OPERATIONAL EXPENDITURE FOR THE DISCLOSURE YEAR

This schedule requires a breakdown of operational expenditure incurred in the current disclosure year. GDBs 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 operational expenditure, and additional information on insurance.
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		($000)	($000)
7	**6b(i): Operational Expenditure**		
8	Service interruptions, incidents and emergencies	2,160	
9	Routine and corrective maintenance and inspection	2,552	
10	Asset replacement and renewal	-	
11	**Network opex**		4,712
12	System operations and network support	2,124	
13	Business support	4,552	
14	**Non-network opex**		6,676
15			
16	**Operational expenditure**		11,388
17	**6b(ii): Subcomponents of Operational Expenditure (where known)**		
18	Research and development		-
19	Insurance		192

Company Name	**Vector gas distribution business**
For Year Ended	**30 June 2018**

SCHEDULE 7: COMPARISON OF FORECASTS TO ACTUAL EXPENDITURE

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.

GDBs 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				
8	**7(i): Revenue**	**Target ($000) [1]**	**Actual ($000)**	**% variance**
9	Line charge revenue	47,140	49,223	4%
10	**7(ii): Expenditure on Assets**	**Forecast ($000) [2]**	**Actual ($000)**	**% variance**
11	Consumer connection	16,196	21,019	30%
12	System growth	2,443	1,204	(51%)
13	Asset replacement and renewal	1,703	770	(55%)
14	Asset relocations	2,780	2,971	7%
15	Reliability, safety and environment:			
16	Quality of supply	393	-	(100%)
17	Legislative and regulatory	-	634	-
18	Other reliability, safety and environment	485	39	(92%)
19	**Total reliability, safety and environment**	878	673	(23%)
	Expenditure on network assets	24,000	26,637	11%
21	Expenditure on non-network assets	1,717	1,743	2%
22	**Expenditure on assets**	25,717	28,380	10%
23	**7(iii): Operational Expenditure**			
24	Service interruptions, incidents and emergencies	2,099	2,160	3%
25	Routine and corrective maintenance and inspection	2,499	2,552	2%
26	Asset replacement and renewal	-	-	-
27	**Network opex**	4,598	4,712	2%
28	System operations and network support	2,644	2,124	(20%)
29	Business support	4,754	4,552	(4%)
30	**Non-network opex**	7,398	6,676	(10%)
31	**Operational expenditure**	11,996	11,388	(5%)
32	**7(iv): Subcomponents of Expenditure on Assets (where known)**			
33	Research and development	-	-	-
34	**7(v): Subcomponents of Operational Expenditure (where known)**			
35	Research and development	-	-	-
36	Insurance	224	192	(14%)

37 *1 From the nominal dollar target revenue for the pricing year disclosed under clause 2.4.3(3) of this determination*

38 *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	**Vector gas distribution business**
For Year Ended	**30 June 2018**

SCHEDULE 8: REPORT ON BILLED QUANTITIES AND LINE CHARGE REVENUES

This schedule requires the billed quantities and associated line charge revenues for the disclosure year for each consumer group or price category code used by the GDB in its pricing schedules. Information is also required on the number of ICPs that are included in each consumer group or price category code, and the energy delivered to these ICPs.

sch ref

8(i): Billed quantities by price component

	Consumer group name or price category code	Consumer type or types (eg, residential, commercial, etc.)	Standard or non-standard consumer group (specify)	Average no. of ICPs in disclosure year	Quantity of gas delivered (TJ)	Billed quantities by price component					*Add extra columns for additional billed quantities by price component as necessary*
						Price component	Fixed	Variable			
						Unit charging basis (eg, days, GJ, etc.)	Days	kWh			
13	GA0R	Residential	Standard	101,888	2,417		37,154,543	671,494,278			
14	GA01	Commercial	Standard	2,394	278		872,159	77,277,160			
15	GA02	Commercial	Standard	2,827	992		1,029,243	275,534,559			
16	GA03	Commercial	Standard	954	2,050		347,418	569,408,176			
17	GA04	Commercial	Standard	145	1,779		52,681	494,138,410			
18	GA05	Commercial	Standard	22	2,597		8,011	721,353,712			
19	Non-standard	Commercial	Non-standard	30	4,165		10,978	1,157,011,735			
20											
21											
22											
23											
24											
25	*Add extra rows for additional consumer groups or price category codes as necessary*										
26			**Standard consumer totals**	108,230	10,113		39,464,055	2,809,206,295	-	-	-
27			**Non-standard consumer totals**	30	4,165		10,978	1,157,011,735	-	-	-
28			**Total for all consumers**	108,260	14,278		39,475,033	3,966,218,030	-	-	-

Company Name	**Vector gas distribution business**
For Year Ended	**30 June 2018**

SCHEDULE 8: REPORT ON BILLED QUANTITIES AND LINE CHARGE REVENUES

This schedule requires the billed quantities and associated line charge revenues for the disclosure year for each consumer group or price category code used by the GDB in its pricing schedules. Information is also required on the number of ICPs that are included in each consumer group or price category code, and the energy delivered to these ICPs.

8(ii): Line charge revenues ($000) by price component

Consumer group name or price category code	Consumer type or types (eg, residential, commercial, etc.)	Standard or non-standard consumer group (specify)	Total line charge revenue in disclosure year	Notional revenue foregone from posted discounts (if applicable)	Line charge revenues ($000) by price component					*Add extra columns for additional line charge revenues by price component as necessary*
Price component					Fixed	Variable				
Rate (eg, $ per day, $ per GJ, etc.)					$/Day	$/kWh				
GA0R	Residential	Standard	$27,705		$12,913	$14,792				
GA01	Commercial	Standard	$1,597		$546	$1,051				
GA02	Commercial	Standard	$4,169		$1,145	$3,024				
GA03	Commercial	Standard	$6,489		$1,653	$4,836				
GA04	Commercial	Standard	$3,539		$769	$2,770				
GA05	Commercial	Standard	$2,473		$1,615	$858				
Non-standard	Commercial	Non-standard	$3,251		$2,939	$312				
			-							
			-							
			-							
			-							
			-							

Add extra rows for additional consumer groups or price category codes as necessary

Standard consumer totals	$45,972	-	$18,641	$27,331	-	-	-	
Non-standard consumer totals	$3,251	-	$2,939	$312	-	-	-	
Total for all consumers	$49,223	-	$21,580	$27,643	-	-	-	

Company Name	**Vector gas distribution business**
For Year Ended	**30 June 2018**

SCHEDULE 9a: ASSET REGISTER

This schedule requires a summary of the quantity of assets that make up the network, by asset category and asset class.

sch ref	Operating Pressure	Asset Category	Asset Class	Units	Items at start of year (quantity)	Items at end of year (quantity)	Net change	Data accuracy (1–4)
9	Intermediate Pressure	Main pipe	IP PE main pipe	km	-	-	-	N/A
10	Intermediate Pressure	Main pipe	IP steel main pipe	km	241	241	0	4
11	Intermediate Pressure	Main pipe	IP other main pipe	km	-	-	-	N/A
12	Intermediate Pressure	Service pipe	IP PE service pipe	km	-	-	-	N/A
13	Intermediate Pressure	Service pipe	IP steel service pipe	km	6	6	(0)	4
14	Intermediate Pressure	Service pipe	IP other service pipe	km	-	-	-	N/A
15	Intermediate Pressure	Stations	Intermediate pressure DRS	No.	97	96	(1)	4
16	Intermediate Pressure	Line valve	IP line valves	No.	660	643	(17)	3
17	Intermediate Pressure	Special crossings	IP crossings	No.	20	20	-	4
18	Medium Pressure	Main pipe	MP PE main pipe	km	3,875	3,960	85	4
19	Medium Pressure	Main pipe	MP steel main pipe	km	213	212	(1)	4
20	Medium Pressure	Main pipe	MP other main pipe	km	1	1	(0)	3
21	Medium Pressure	Service pipe	MP PE service pipe	km	2,165	2,207	42	4
22	Medium Pressure	Service pipe	MP steel service pipe	km	27	27	(1)	4
23	Medium Pressure	Service pipe	MP other service pipe	km	3	3	(0)	3
24	Medium Pressure	Stations	Medium pressure DRS	No.	176	151	(25)	3
25	Medium Pressure	Line valve	MP line valves	No.	2,902	2,818	(84)	3
26	Medium Pressure	Special crossings	MP special crossings	No.	69	69	-	3
27	Low Pressure	Main pipe	LP PE main pipe	km	0	0	(0)	4
28	Low Pressure	Main pipe	LP steel main pipe	km	-	-	-	N/A
29	Low Pressure	Main pipe	LP other main pipe	km	-	-	-	N/A
30	Low Pressure	Service pipe	LP PE service pipe	km	2	2	(0)	4
31	Low Pressure	Service pipe	LP steel service pipe	km	1	1	(0)	3
32	Low Pressure	Service pipe	LP other service pipe	km	0	0	-	4
33	Low Pressure	Line valve	LP line valves	No.	4	3	(1)	2
34	Low Pressure	Special crossings	LP special crossings	No.	-	-	-	N/A
35	All	Monitoring and control systems	Remote terminal units	No.	78	78	-	3
36	All	Cathodic protection systems	Cathodic protection	No.	22	22	-	4

Company Name	**Vector gas distribution business**
For Year Ended	**30 June 2018**

SCHEDULE 9b: ASSET AGE PROFILE

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 class.

sch ref

8 **Disclosure Year (year ended)** 30 June 2018 **Number of assets at disclosure year end by installation date**

9	Operating Pressure	Asset Category	Asset Class	Units	pre-1970	1970 –1974	1975 –1979	1980 –1984	1985-1989	1990 –1994	1995 –1999	2000	2001	2002	2003	2004	2005	2006	2007	2008	2009	2010	2011	2012	2013	2014	2015	2016	2017	2018	No. with age unknown	Items at end of year (quantity)	No. with default dates	Data accuracy (1–4)
10	Intermediate Pressure	Main pipe	IP PE main pipe	km	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-		N/A
11	Intermediate Pressure	Main pipe	IP steel main pipe	km	46	14	4	16	60	13	49	25	0	1	0	-	0	1	1	0	0	0	0	1	0	1	8	1	1	1	-	241		4
12	Intermediate Pressure	Main pipe	IP other main pipe	km	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-		N/A
13	Intermediate Pressure	Service pipe	IP PE service pipe	km	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-		N/A
14	Intermediate Pressure	Service pipe	IP steel service pipe	km	0	0	0	0	2	2	2	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	6		4
15	Intermediate Pressure	Service pipe	IP other service pipe	km	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-		N/A
16	Intermediate Pressure	Stations	Intermediate pressure DRS	No.	6	1	6	6	3	3	54	1	2	1	-	-	1	-	-	1	-	-	1	2	1	2	4	1	-	-	-	96		4
17	Intermediate Pressure	Line valve	IP line valves	No.	42	29	16	54	159	94	63	11	7	4	5	3	6	6	4	6	4	10	5	9	8	28	23	7	8	2	30	643		3
18	Intermediate Pressure	Special crossings	IP crossings	No.	3	-	-	1	7	-	5	1	-	-	-	-	-	-	1	-	-	1	-	1	-	-	-	-	-	-	-	20		4
19	Medium Pressure	Main pipe	MP PE main pipe	km	14	4	17	59	181	514	1,481	171	94	81	127	89	100	119	98	67	40	48	59	63	86	97	85	94	103	67	2	3,960		4
20	Medium Pressure	Main pipe	MP steel main pipe	km	11	24	14	77	75	5	5	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	212		4
21	Medium Pressure	Main pipe	MP other main pipe	km	1	0	0	0	0	0	0	0	0	0	0	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	0	1		3
22	Medium Pressure	Service pipe	MP PE service pipe	km	4	1	2	6	61	322	661	98	55	58	79	94	79	79	73	60	37	44	64	54	54	55	42	44	43	39	1	2,207		4
23	Medium Pressure	Service pipe	MP steel service pipe	km	2	1	2	6	7	4	4	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	27		4
24	Medium Pressure	Service pipe	MP other service pipe	km	0	0	0	0	2	0	0	0	-	-	0	0	-	-	-	0	-	-	-	-	0	-	-	-	-	0	-	3		3
25	Medium Pressure	Stations	Medium pressure DRS	No.	1	2	-	7	27	62	34	1	-	2	-	1	6	2	1	-	-	-	-	1	1	1	1	-	1	-	-	151		3
26	Medium Pressure	Line valve	MP line valves	No.	40	86	89	594	621	398	244	44	31	38	20	18	39	39	29	30	31	14	35	29	50	51	56	48	39	34	71	2,818		3
27	Medium Pressure	Special crossings	MP special crossings	No.	-	1	2	7	11	9	12	5	-	-	-	-	-	3	2	2	-	3	2	-	2	1	-	-	-	-	7	69		3
28	Low Pressure	Main pipe	LP PE main pipe	km	-	0	-	-	-	0	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	0	-	-	-	-	0		4
29	Low Pressure	Main pipe	LP steel main pipe	km	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-		N/A
30	Low Pressure	Main pipe	LP other main pipe	km	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-		N/A
31	Low Pressure	Service pipe	LP PE service pipe	km	0	0	0	0	1	1	0	0	-	-	-	-	-	-	-	-	-	-	-	-	-	0	0	-	0	-	-	2		4
32	Low Pressure	Service pipe	LP steel service pipe	km	0	0	0	0	0	0	0	-	-	-	-	-	0	-	-	-	-	-	-	-	0	0	-	-	-	-	0	1		3
33	Low Pressure	Service pipe	LP other service pipe	km	-	-	-	-	-	0	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	0		4
34	Low Pressure	Line valve	LP line valves	No.	-	-	-	-	-	-	1	-	-	-	-	-	-	-	-	-	-	-	2	-	-	-	-	-	-	-	-	3		2
35	Low Pressure	Special crossings	LP special crossings	No.	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-		N/A
36	All	Monitoring and control system	Remote terminal units	No.	-	-	-	-	-	-	32	1	1	1	-	-	4	1	19	3	1	-	1	-	-	3	3	1	-	-	7	78		3
37	All	Cathodic protection systems	Cathodic protection	No.	1	1	3	4	4	2	-	2	1	-	-	1	-	-	-	-	1	-	-	-	-	1	-	1	-	-	-	22		4

Company Name	**Vector gas distribution business**
For Year Ended	**30 June 2018**

SCHEDULE 9c: REPORT ON PIPELINE DATA

This schedule requires a summary of the key characteristics of the pipeline network.

sch ref

Network Information (end of year)

	System length by material (defined by GDB)	Length (km)	%
	Steel	487	7.31%
	PE	6,169	92.63%
	Other	4	0.06%
			-
			-
			-
	System length	6,660	100.00%

	By operating pressure:	System length (km) (at year end)	Weighted average pipe diameter (mm)	Number of ICPs (at year end)	Gas conveyed for Persons not involved in the GDB (TJ)
	Intermediate pressure	247	162	190	3,311
	Medium pressure	6,411	38	108,616	8,694
	Low pressure	3	43	422	16
	Total	6,660	43	109,228	12,022

Company Name	**Vector gas distribution business**
For Year Ended	**30 June 2018**

SCHEDULE 9d: REPORT ON DEMAND

This schedule requires a summary of the key measures of network demand for the disclosure year (number of new connections including, maximum monthly loads and total gas conveyed)

sch ref

9d(i): Consumer Connections

Number of ICPs connected in year by consumer type

Consumer types defined by GDB	**Number of connections (ICPs)**
Residential	2,997
Commercial	168
Total	3,165

9d(ii): Gas Delivered

Number of ICPs at year end	109,228	connections
Maximum daily load	63,939	(GJ per day)
Maximum monthly load	1,536,524	(GJ per month)
Number of directly billed ICPs	-	(at year end)
Total gas conveyed	14,457,852	(GJ per annum)
Average daily delivery	39,611	(GJ per day)
Load factor	78.41%	

Company Name	**Vector gas distribution business**
For Year Ended	**30 June 2018**

SCHEDULE 10a: REPORT ON NETWORK RELIABILITY AND INTERRUPTIONS

This schedule requires a summary of the key measures of network reliability (interruptions, SAIDI, SAIFI and CAIDI) for the disclosure year
GDBs must provide explanatory comment on their network reliability for the disclosure year in Schedule 14 (Explanatory Notes to Templates). The SAIDI and SAIFI 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

10a(i): Interruptions

Interruptions by class

		Actual
10	Class A (planned interruptions by GTB)	-
11	Class B (planned interruptions on the network)	357
12	Class C (unplanned interruptions on the network)	38
13	Class D (unplanned interruptions by GTB)	-
14	Class I (unplanned interruptions caused by third party damage)	195
15	**Total**	590

16	Number of unplanned outage events (interruptions that affect more than 5 ICPs)	Actual
17	Vector network	6
18		
19		
20		
21		

22	Number of unplanned outage events caused by third party damage (interruptions that affect more than 5 ICPs)	Actual
23	Vector network	4
24		
25		
26		
27		

10a(ii): Reliability

Overall reliability

		SAIDI	SAIFI	CAIDI
30	Based on the total number of interruptions	1,013	7.24	140
31	Class I (unplanned interruptions caused by third party damage)	407	2.36	172

32	Class B (planned interruptions on the network)	SAIDI	SAIFI	CAIDI
33	Vector network	386	4.27	90
34				-
35				-
36				-
37				-

38	Class C (unplanned interruptions on the network)	SAIDI	SAIFI	CAIDI
39	Vector network	220	0.61	360
40				-
41				-
42				-
43				-

Company Name	**Vector gas distribution business**
For Year Ended	**30 June 2018**

SCHEDULE 10b: REPORT ON NETWORK INTEGRITY AND CONSUMER SERVICE

This schedule requires a summary of the key measures of network Integrity (gas escapes, response time to emergencies etc) for the disclosure year.

sch ref

10b(i): System Condition and Integrity

Number of confirmed public reported gas escapes per system length (escapes/1000 km)

	Actual
Vector network	23.948

Number of leaks detected by routine survey per system length (leaks/1000 km)

	Actual
Vector network	8.488

Number of third party damage events per system length (events/1000 km)

	Actual
Vector network	48.502

Number of poor pressure events due to network causes

	Actual
Vector network	1

Number of telephone calls to emergency numbers answered within 30 seconds per total number of calls

	Actual
Vector network	77.63%

Product control—safety of distribution gas

	Actual
Number of non-compliant odour tests	-

10b(ii): Consumer Service

Response time to emergencies (RTE)

	Proportion of emergencies responded to within 1 hour (%)	Proportion of emergencies responded to within 3 hours (%)	Average call response time (hours)	Number of emergencies
Auckland Region	98.06%	100.00%	0.58	103

Number of complaints

	Actual
Number of complaints per average total consumer numbers	0.0012