



**GDB Information Disclosure Requirements
Information Templates
for
Schedules 1–10**

Company Name	Vector gas distribution business
Disclosure Date	19 December 2017
Disclosure Year (year ended)	30 June 2017

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

Table of Contents

Schedule	Description
1	Analytical Ratios
2	Report on Return on Investment
3	Report on Regulatory Profit
4	Report on Value of the Regulatory Asset Base (Rolled Forward)
5a	Report on Regulatory Tax Allowance
5b	Report on Related Party Transactions
5c	Report on Term Credit Spread Differential Allowance
5d	Report on Cost Allocations
5e	Report on Asset Allocations
5h	Report on Transitional Financial Information
6a	Report on Capital Expenditure for the Disclosure Year
6b	Report on Operational Expenditure for the Disclosure Year
7	Comparison of Forecasts to Actual Expenditure
8	Report on Billed Quantities and Line Charge Revenues (by Price Component)
9a	Asset Register
9b	Asset Age Profile
9c	Report on Pipeline Data
9d	Report on Demand
10a	Report on Network Reliability and Interruptions
10b	Report on Network Integrity and Consumer Service

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

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 completed. 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 2017**

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	828	110	8	1,789
Network	319	43	3	689
Non-network	509	68	5	1,099
Expenditure on assets	1,715	229	16	3,705
Network	1,624	217	15	3,509
Non-network	91	12	1	196

1(ii): Revenue Metrics

	Revenue per TJ energy delivered to ICPs (\$/TJ)	Revenue per average no. of ICPs (\$/ICP)
Total line charge revenue	3,817	509
Standard consumer line charge revenue	5,213	472
Non-standard consumer line charge revenue	877	99,675

1(iii): Service Intensity Measures

Demand density	230	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	133	Total GJ delivered to ICPs per average number of ICPs in disclosure year

1(iv): Composition of Revenue Requirement

	(\$000)	% of revenue
Operational expenditure	11,688	21.73%
Pass-through and recoverable costs excluding financial incentives and wash-ups	2,796	5.20%
Total depreciation	10,338	19.22%
Total revaluations	6,542	12.16%
Regulatory tax allowance	7,165	13.32%
Regulatory profit/(loss) including financial incentives and wash-ups	28,232	52.50%
Total regulatory income	53,781	

1(v): Reliability

Interruption rate	11.11	Interruptions per 100km of system length
-------------------	-------	--

Company Name **Vector gas distribution business**
 For Year Ended **30 June 2017**

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(i): Return on Investment		for year ended		
		CY-2 30 Jun 15 %	CY-1 30 Jun 16 %	Current Year CY 30 Jun 17 %
7	2(i): Return on Investment			
8				
9	ROI – comparable to a post tax WACC			
10	Reflecting all revenue earned	6.46%	6.51%	7.58%
11	Excluding revenue earned from financial incentives	6.46%	6.51%	7.58%
12	Excluding revenue earned from financial incentives and wash-ups	6.46%	6.51%	7.58%
13				
14	Mid-point estimate of post tax WACC	6.76%	6.02%	5.30%
15	25th percentile estimate	5.95%	5.21%	4.49%
16	75th percentile estimate	7.57%	6.83%	6.11%
17				
18				
19	ROI – comparable to a vanilla WACC			
20	Reflecting all revenue earned	7.23%	7.14%	8.09%
21	Excluding revenue earned from financial incentives	7.23%	7.14%	8.09%
22	Excluding revenue earned from financial incentives and wash-ups	7.23%	7.14%	8.09%
23				
24	WACC rate used to set regulatory price path	7.44%	7.44%	7.44%
25				
26	Mid-point estimate of vanilla WACC	7.54%	6.65%	5.82%
27	25th percentile estimate	6.73%	5.84%	5.01%
28	75th percentile estimate	8.35%	7.46%	6.63%
29				
30	2(ii): Information Supporting the ROI			(\$000)
31				
32	Total opening RAB value	375,662		
33	plus Opening deferred tax	(24,312)		
34	Opening RIV		351,350	
35				
36	Line charge revenue		53,888	
37				
38	Expenses cash outflow	14,484		
39	plus Assets commissioned	18,700		
40	less Asset disposals	107		
41	plus Tax payments	5,272		
42	less Other regulated income	(107)		
43	Mid-year net cash flows		38,456	
44				
45	Term credit spread differential allowance		103	
46				
47	Total closing RAB value	390,463		
48	less Adjustment resulting from asset allocation	4		
49	less Lost and found assets adjustment	-		
50	plus Closing deferred tax	(26,205)		
51	Closing RIV		364,254	
52				
53	ROI – comparable to a vanilla WACC			8.09%
54				
55	Leverage (%)			44%
56	Cost of debt assumption (%)			4.21%
57	Corporate tax rate (%)			28%
58				
59	ROI – comparable to a post tax WACC			7.58%
60				

Company Name **Vector gas distribution business**
 For Year Ended **30 June 2017**

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
67	Month 1					-
68	Month 2					-
69	Month 3					-
70	Month 4					-
71	Month 5					-
72	Month 6					-
73	Month 7					-
74	Month 8					-
75	Month 9					-
76	Month 10					-
77	Month 11					-
78	Month 12					-
79	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 7.83%

Year-end ROI – comparable to a post tax WACC 7.31%

** 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 2017**

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

7	3(i): Regulatory Profit		(\$000)	
8	Income			
9		Line charge revenue		53,888
10	plus	Gains / (losses) on asset disposals		(107)
11	plus	Other regulated income (other than gains / (losses) on asset disposals)		-
12				
13		Total regulatory income		53,781
14	Expenses			
15	less	Operational expenditure		11,688
16				
17	less	Pass-through and recoverable costs excluding financial incentives and wash-ups		2,796
18				
19		Operating surplus / (deficit)		39,297
20				
21	less	Total depreciation		10,338
22				
23	plus	Total revaluations		6,542
24				
25		Regulatory profit / (loss) before tax		35,501
26				
27	less	Term credit spread differential allowance		103
28				
29	less	Regulatory tax allowance		7,165
30				
31		Regulatory profit/(loss) including financial incentives and wash-ups		28,232
32				
33	3(ii): Pass-through and recoverable costs excluding financial incentives and wash-ups		(\$000)	
34	Pass through costs			
35		Rates	1,861	
36		Commerce Act levies	876	
37		Industry Levies	59	
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		2,796
42				
43				
44	3(iii): Incremental Rolling Incentive Scheme		(\$000)	
45			CY-1	CY
46			30 Jun 16	30 Jun 17
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 12	-	-
54		CY-4 30 Jun 13	-	-
55		CY-3 30 Jun 14	-	-
56		CY-2 30 Jun 15	-	-
57		CY-1 30 Jun 16	-	-
58		Net incremental rolling incentive scheme		-
59				
60		Net recoverable costs allowed under incremental rolling incentive scheme		-
61				
62	3(iv): Merger and Acquisition Expenditure		(\$000)	
63		Merger and acquisition expenditure		-
64				
65		<i>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)</i>		
66				
67				(\$000)
68	3(v): Other Disclosures		(\$000)	
69		Self-insurance allowance		-
70				

Company Name **Vector gas distribution business**
 For Year Ended **30 June 2017**

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 13 (\$000)	RAB 30 Jun 14 (\$000)	RAB 30 Jun 15 (\$000)	RAB 30 Jun 16 (\$000)	RAB 30 Jun 17 (\$000)
	Total opening RAB value	458,523	467,458	483,573	496,747	375,662
	Total opening RAB value for Non Auckland gas distribution				131,352	
	less Total depreciation	14,398	14,483	15,182	9,484	10,338
	plus Total revaluations	3,134	7,548	1,933	1,521	6,542
	plus Assets commissioned	20,404	23,068	26,629	17,653	18,700
	less Asset disposals	190	50	143	92	107
	plus Lost and found assets adjustment	-	-	(25)	-	-
	plus Adjustment resulting from asset allocation	(15)	32	(38)	669	4
	Total closing RAB value	467,458	483,573	496,747	375,662	390,463

4(ii): Unallocated Regulatory Asset Base		Unallocated RAB *		RAB	
		(\$000)	(\$000)	(\$000)	(\$000)
	Total opening RAB value		398,790		375,662
	less Total depreciation		17,872		10,338
	plus Total revaluations		6,914		6,542
	plus Assets commissioned (other than below)	30,596		18,700	
	Assets acquired from a regulated supplier	-		-	
	Assets acquired from a related party	-		-	
	Assets commissioned		30,596		18,700
	less Asset disposals (other than below)	140		107	
	Asset disposals to a regulated supplier	-		-	
	Asset disposals to a related party	-		-	
	Asset disposals		140		107
	plus Lost and found assets adjustment		-		-
	plus Adjustment resulting from asset allocation				4
	Total closing RAB value		418,288		390,463

* 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 2017**

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 _t	1,226
CPI _{t-1}	1,205
Revaluation rate (%)	1.74%

	Unallocated RAB * (\$000)	RAB (\$000)
Total opening RAB value	398,790	375,662
less Opening value of fully depreciated, disposed and lost assets	2,030	289
Total opening RAB value subject to revaluation	396,760	375,373
Total revaluations	6,914	6,542

4(iv): Roll Forward of Works Under Construction

	Unallocated works under construction	Allocated works under construction
Works under construction—preceding disclosure year	2,336	1,292
plus Capital expenditure	30,913	19,926
less Assets commissioned	30,596	18,700
plus Adjustment resulting from asset allocation		76
Works under construction - current disclosure year	2,653	2,594
Highest rate of capitalised finance applied		6.54%

4(v): Regulatory Depreciation

	Unallocated RAB * (\$000)	RAB (\$000)
Depreciation - standard	9,245	9,245
Depreciation - no standard life assets	8,627	1,093
Depreciation - modified life assets		
Depreciation - alternative depreciation in accordance with CPP		
Total depreciation	17,872	10,338

(\$000 unless otherwise specified)

4(vi): Disclosure of Changes to Depreciation Profiles

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	48,044	240,256	10,045	56,237	4,463	3,969	886	8,643	3,119	375,662
less Total depreciation	1,284	5,824	303	1,072	198	151	17	478	1,011	10,338
plus Total revaluations	837	4,185	175	982	79	70	15	148	51	6,542
plus Assets commissioned	330	8,748	-	6,851	529	250	-	665	1,327	18,700
less Asset disposals	-	44	2	54	-	1	-	3	3	107
plus Lost and found assets adjustment	-	-	-	-	-	-	-	-	-	-
plus Adjustment resulting from asset allocation	-	-	-	-	-	-	-	-	4	4
plus Asset category transfers	-	-	-	-	-	-	-	-	-	-
Total closing RAB value	47,927	247,321	9,915	62,944	4,873	4,137	884	8,975	3,487	390,463

Asset Life

Weighted average remaining asset life	43	44	39	54	27	42	53	29	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 2017**

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 70

sch ref

		(\$000)	
7	5a(i): Regulatory Tax Allowance		
8	Regulatory profit / (loss) before tax		35,501
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	6	*
12	Amortisation of initial differences in asset values	2,451	
13	Amortisation of revaluations	650	
14			3,107
15			
16	less Total revaluations	6,542	
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	6,477	
20			13,018
21			
22	Regulatory taxable income		25,590
23			
24	less Utilised tax losses	-	
25	Regulatory net taxable income		25,590
26			
27	Corporate tax rate (%)	28%	
28	Regulatory tax allowance		7,165

* Workings to be provided in Schedule 14

5a(ii): Disclosure of Permanent Differences

In Schedule 14, Box 5, provide descriptions and workings of items recorded in the asterisked categories in Schedule 5a(i).

5a(iii): Amortisation of Initial Difference in Asset Values

(\$000)

36	Opening unamortised initial differences in asset values	88,245	
37	less Amortisation of initial differences in asset values	2,451	
38	plus Adjustment for unamortised initial differences in assets acquired		
39	less Adjustment for unamortised initial differences in assets disposed	(70)	
40	Closing unamortised initial differences in asset values		85,864
41			
42	Opening weighted average remaining useful life of relevant assets (years)		36
43			

Company Name **Vector gas distribution business**
 For Year Ended **30 June 2017**

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 70

sch ref

44	5a(iv): Amortisation of Revaluations		(\$000)
45			
46	Opening sum of RAB values without revaluations	350,924	
47			
48	Adjusted depreciation	9,688	
49	Total depreciation	10,338	
50	Amortisation of revaluations		650
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	(24,312)	
61			
62	plus Tax effect of adjusted depreciation	2,713	
63			
64	less Tax effect of tax depreciation	4,070	
65			
66	plus Tax effect of other temporary differences*	200	
67			
68	less Tax effect of amortisation of initial differences in asset values	686	
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	(8)	
73			
74	plus Deferred tax cost allocation adjustment	(57)	
75			
76	Closing deferred tax		(26,205)
77			
78	5a(vii): Disclosure of Temporary Differences		
79	<i>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).</i>		
80			
81	5a(viii): Regulatory Tax Asset Base Roll-Forward		
82			(\$000)
83	Opening sum of regulatory tax asset values	172,285	
84	less Tax depreciation	14,537	
85	plus Regulatory tax asset value of assets commissioned	18,150	
86	less Regulatory tax asset value of asset disposals	70	
87	plus Lost and found assets adjustment	-	
88	plus Adjustments resulting from asset allocation	(200)	
89	plus Other adjustments to the RAB tax value	-	
90	Closing sum of regulatory tax asset values		175,628

Company Name **Vector gas distribution business**
 For Year Ended **30 June 2017**

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

7 5b(i): Summary—Related Party Transactions		(S000)
8	Total regulatory income	4,657
9	Operational expenditure	59
10	Capital expenditure	
11	Market value of asset disposals	
12	Other related party transactions	

13 5b(ii): Entities Involved in Related Party Transactions	
Name of related party	Related party relationship
14	
15	
16	
17	
18	
19	

* include additional rows if needed

21 5b(iii): Related Party Transactions				
Name of related party	Related party transaction type	Description of transaction	Value of transaction (S000)	Basis for determining value
23	Sales	Sold distribution services	4,657	ID clause 2.3.7(2)(a)
24	Opex	Purchase of telecommunications services	59	ID clause 2.3.6(2)(d)
25				
26				
27				
28				
29				
30				
31				
32				
33				
34				
35				
36				
37				

* include additional rows if needed

Company Name **Vector gas distribution business**
 For Year Ended **30 June 2017**

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	305,652	[]VCI	[]VCI	[]VCI
Floating rate notes									
FRN - series 2	26-Oct-05	26-Oct-05	12	BKBM + []VCI	400,000		[]VCI	[]VCI	[]VCI
FRN - series 3	26-Oct-05	26-Oct-05	15	BKBM + []VCI	350,000		[]VCI	[]VCI	[]VCI
Floating rate notes subtotal					750,000	748,421	[]VCI	[]VCI	[]VCI
Medium term notes – GBP fixed rate	11-Apr-08	8-Apr-08	10.8	7.625	285,614	203,390	[]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
Senior notes - USD fixed rate subtotal					697,139	719,268	[]VCI	[]VCI	[]VCI
Fixed Rate Wholesale Bonds	14-Mar-17	3-Mar-17	7	4.996	100,000	99,699	[]VCI	[]VCI	[]VCI
Senior credit facilities									
[]VCI	3-Feb-15	16-Dec-14	3	BKBM + []VCI					
[]VCI	3-Feb-15	16-Dec-14	3	BKBM + []VCI					
[]VCI	3-Feb-15	16-Dec-14	3	BKBM + []VCI					
[]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					
Bank loans subtotal						94,060			
						2,170,490	[]VCI	[]VCI	[]VCI

* include additional rows if needed

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

Gross term credit spread differential		1,329
Total book value of interest bearing debt	2,170,490	
Leverage	44%	
Average opening and closing RAB values	383,062	
Attribution Rate (%)		8%
Term credit spread differential allowance		103

Company Name **Vector gas distribution business**
 For Year Ended **30 June 2017**

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

		Value allocated (\$000s)				
		Arm's length deduction	Gas distribution services	Non-gas distribution services	Total	Ovabaa allocation increase (\$000s)
7	5d(i): Operating Cost Allocations					
8						
9						
10	Service interruptions, incidents and emergencies					
11	Directly attributable		2,081			
12	Not directly attributable	-	-	-	-	-
13	Total attributable to regulated service		2,081			
14	Routine and corrective maintenance and inspection					
15	Directly attributable		2,422			
16	Not directly attributable	-	-	-	-	-
17	Total attributable to regulated service		2,422			
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		1,067			
24	Not directly attributable	-	1,738	12,415	14,153	-
25	Total attributable to regulated service		2,805			
26	Business support					
27	Directly attributable		42			
28	Not directly attributable	-	4,338	42,025	46,363	-
29	Total attributable to regulated service		4,380			
30						
31	Operating costs directly attributable		5,612			
32	Operating costs not directly attributable	-	6,076	54,440	60,516	-
33	Operational expenditure		11,688			
34						

Company Name **Vector gas distribution business**
 For Year Ended **30 June 2017**

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

		Value allocated (\$000s)				OVABAA allocation increase (\$000s)
		Arm's length deduction	Gas distribution services	Non-gas distribution services	Total	
5d(ii): Other Cost Allocations						
Pass through and recoverable costs						
Pass through costs						
	Directly attributable		2,796			
	Not directly attributable					
	Total attributable to regulated service		2,796			
Recoverable costs						
	Directly attributable					
	Not directly attributable					
	Total attributable to regulated service					

		(\$000)		
			CY-1	Current Year (CY)
5d(iii): Changes in Cost Allocations* †				
Change in cost allocation 1				
	Cost category			
	Original allocator or line items	Original allocation		
	New allocator or line items	New allocation		
		Difference		
	Rationale for change			
Change in cost allocation 2				
	Cost category			
	Original allocator or line items	Original allocation		
	New allocator or line items	New allocation		
		Difference		
	Rationale for change			
Change in cost allocation 3				
	Cost category			
	Original allocator or line items	Original allocation		
	New allocator or line items	New allocation		
		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 2017**

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

7 5e(i): Regulated Service Asset Values		Value allocated (\$000s) Gas distribution services
8		
9		
10	Main pipe	
11	Directly attributable	305,163
12	Not directly attributable	
13	Total attributable to regulated service	305,163
14	Service pipe	
15	Directly attributable	62,944
16	Not directly attributable	
17	Total attributable to regulated service	62,944
18	Stations	
19	Directly attributable	4,873
20	Not directly attributable	
21	Total attributable to regulated service	4,873
22	Line valve	
23	Directly attributable	4,137
24	Not directly attributable	
25	Total attributable to regulated service	4,137
26	Special crossings	
27	Directly attributable	884
28	Not directly attributable	
29	Total attributable to regulated service	884
30	Other network assets	
31	Directly attributable	8,975
32	Not directly attributable	
33	Total attributable to regulated service	8,975
34	Non-network assets	
35	Directly attributable	312
36	Not directly attributable	3,175
37	Total attributable to regulated service	3,487
38		
39	Regulated service asset value directly attributable	387,288
40	Regulated service asset value not directly attributable	3,175
41	Total closing RAB value	390,463
42		

43 5e(ii): Changes in Asset Allocations* †		(\$000)	
44 Change in asset value allocation 1		CY-1	Current Year (CY)
46	Asset category		
47	Original allocator or line items		
48	New allocator or line items		
49			
50			
51	Rationale for change		
52			
53			
54			
55	Change in asset value allocation 2	CY-1	Current Year (CY)
56	Asset category		
57	Original allocator or line items		
58	New allocator or line items		
59			
60	Rationale for change		
61			
62			
63			
64	Change in asset value allocation 3	CY-1	Current Year (CY)
65	Asset category		
66	Original allocator or line items		
67	New allocator or line items		
68			
69	Rationale for change		
70			
71			

component.

† include additional rows if needed

Company Name **Vector gas distribution business**
 For Year Ended **30 June 2017**

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		18,413
9	System growth		609
10	Asset replacement and renewal		1,094
11	Asset relocations		2,254
12	Reliability, safety and environment:		
13	Quality of supply	-	
14	Legislative and regulatory	412	
15	Other reliability, safety and environment	149	
16	Total reliability, safety and environment		561
17	Expenditure on network assets		22,931
18	Expenditure on non-network assets		1,279
19			
20	Expenditure on assets		24,210
21	plus Cost of financing		87
22	less Value of capital contributions		4,371
23	plus Value of vested assets		-
24			
25	Capital expenditure		19,926
26	6a(ii): Subcomponents of Expenditure on Assets (where known)		(\$000)
27	Research and development		-
28	6a(iii): Consumer Connection		
29	<i>Consumer types defined by GDB*</i>	(\$000)	(\$000)
30	Mains Extensions/Subdivisions	8,122	
31	Service Connections - Residential	8,463	
32	Service Connections - Commercial	1,828	
33	Customer Easements	-	
34			
35	<i>* include additional rows if needed</i>		
36	Consumer connection expenditure		18,413
37			
38	less Capital contributions funding consumer connection expenditure	2,244	
39	Consumer connection less capital contributions		16,169

Company Name **Vector gas distribution business**
 For Year Ended **30 June 2017**

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

		System Growth (\$000)	Asset Replacement and Renewal (\$000)
40			
41	6a(iv): System Growth and Asset Replacement and Renewal		
42			
43			
44	Intermediate pressure		
45	Main pipe	-	-
46	Service pipe	-	-
47	Stations	120	71
48	Line valve	-	-
49	Special crossings	-	42
50	Intermediate pressure - total	120	113
51	Medium pressure		
52	Main pipe	489	844
53	Service pipe	-	61
54	Stations	-	-
55	Line valve	-	-
56	Special crossings	-	-
57	Medium pressure - total	489	905
58	Low pressure		
59	Main pipe	-	-
60	Service pipe	-	-
61	Line valve	-	-
62	Special crossings	-	-
63	Low pressure - total	-	-
64	Other network assets		
65	Monitoring and control systems	-	-
66	Cathodic protection systems	-	76
67	Other assets (other than above)	-	-
68	Other network assets - total	-	76
69			
70	System growth and asset replacement and renewal expenditure	609	1,094
71	less Capital contributions funding system growth and asset replacement and renewal		
72	System growth and asset replacement and renewal less capital contributions	609	1,094
73	6a(v): Asset Relocations		
74	Project or programme*	(\$000)	(\$000)
75			
76			
77			
78			
79			
80	* include additional rows if needed		
81	All other projects or programmes - asset relocations	2,254	
82	Asset relocations expenditure		2,254
83	less Capital contributions funding asset relocations	2,127	
84	Asset relocations less capital contributions		127

Company Name **Vector gas distribution business**
 For Year Ended **30 June 2017**

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

85	6a(vi): Quality of Supply		
86	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		
97			
98	6a(vii): Legislative and Regulatory		
99	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	412	
107	Legislative and regulatory expenditure		412
108	less Capital contributions funding legislative and regulatory		
109	Legislative and regulatory less capital contributions		412
110			
111	6a(viii): Other Reliability, Safety and Environment		
112	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	149	
120	Other reliability, safety and environment expenditure		149
121	less Capital contributions funding other reliability, safety and environment		
122	Other reliability, safety and environment less capital contributions		149
123	6a(ix): Non-Network Assets		
124	Routine expenditure		
125	Project or programme*	(\$000)	(\$000)
126			
127			
128			
129			
130			
131	* include additional rows if needed		
132	All other projects or programmes - routine expenditure	876	
133	Routine expenditure		876
134	Atypical expenditure		
135	Project or programme*	(\$000)	(\$000)
136			
137			
138			
139			
140			
141	* include additional rows if needed		
142	All other projects or programmes - atypical expenditure	403	
143	Atypical expenditure		403
144			
145	Expenditure on non-network assets		1,279

Company Name **Vector gas distribution business**
 For Year Ended **30 June 2017**

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	2,081	
9	Routine and corrective maintenance and inspection	2,422	
10	Asset replacement and renewal	-	
11	Network opex		4,503
12	System operations and network support	2,805	
13	Business support	4,380	
14	Non-network opex		7,185
15			
16	Operational expenditure		11,688
17	6b(ii): Subcomponents of Operational Expenditure (where known)		
18	Research and development		-
19	Insurance		183

Company Name **Vector gas distribution business**
 For Year Ended **30 June 2017**

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

7(i): Revenue		Target (\$000) ¹	Actual (\$000)	% variance
8				
9	Line charge revenue	54,449	53,888	(1%)
7(ii): Expenditure on Assets		Forecast (\$000) ²	Actual (\$000)	% variance
10				
11	Consumer connection	17,197	18,413	7%
12	System growth	1,011	609	(40%)
13	Asset replacement and renewal	1,673	1,094	(35%)
14	Asset relocations	2,304	2,254	(2%)
15	Reliability, safety and environment:			
16	Quality of supply	263	-	(100%)
17	Legislative and regulatory	-	412	-
18	Other reliability, safety and environment	238	149	(37%)
19	Total reliability, safety and environment	501	561	12%
	Expenditure on network assets	22,686	22,931	1%
21	Expenditure on non-network assets	1,256	1,279	2%
22	Expenditure on assets	23,942	24,210	1%
7(iii): Operational Expenditure				
23				
24	Service interruptions, incidents and emergencies	1,991	2,081	5%
25	Routine and corrective maintenance and inspection	2,496	2,422	(3%)
26	Asset replacement and renewal	-	-	-
27	Network opex	4,487	4,503	0%
28	System operations and network support	3,074	2,805	(9%)
29	Business support	4,412	4,380	(1%)
30	Non-network opex	7,486	7,185	(4%)
31	Operational expenditure	11,973	11,688	(2%)
7(iv): Subcomponents of Expenditure on Assets (where known)				
32				
33	Research and development	-	-	-
7(v): Subcomponents of Operational Expenditure (where known)				
34				
35	Research and development	-	-	-
36	Insurance	181	183	1%

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 **Vector gas distribution business**
 For Year Ended **30 June 2017**

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

8	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	240	241	1	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	97	-	4
16	Intermediate Pressure	Line valve	IP line valves	No.	678	660	(18)	3
17	Intermediate Pressure	Special crossings	IP crossings	No.	20	20	-	4
18	Medium Pressure	Main pipe	MP PE main pipe	km	3,772	3,875	103	4
19	Medium Pressure	Main pipe	MP steel main pipe	km	214	213	(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	2,132	2,165	33	4
22	Medium Pressure	Service pipe	MP steel service pipe	km	28	27	(0)	4
23	Medium Pressure	Service pipe	MP other service pipe	km	3	3	(0)	3
24	Medium Pressure	Stations	Medium pressure DRS	No.	180	176	(4)	3
25	Medium Pressure	Line valve	MP line valves	No.	2,901	2,902	1	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.	5	4	(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.	15	22	7	4

Company Name **Vector gas distribution business**
 For Year Ended **30 June 2017**

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	Disclosure Year (year ended)		Number of assets at disclosure year end by installation date																												Items at end																									
	30 June 2017		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	No. with age unknown	of year (quantity)	No. with default dates	Data accuracy (1-4)																									
9	Operating Pressure	Asset Category	Asset Class	Units																																																				
10	Intermediate Pressure	Main pipe	IP PE main pipe	km	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-																									
11	Intermediate Pressure	Main pipe	IP steel main pipe	km	47	14	4	16	60	13	49	25	0	1	0	0	1	1	0	0	0	0	1	0	1	8	1	1	241	4																										
12	Intermediate Pressure	Main pipe	IP other main pipe	km	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-																									
13	Intermediate Pressure	Service pipe	IP PE service pipe	km	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-																									
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	6	4																									
15	Intermediate Pressure	Service pipe	IP other service pipe	km	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-																									
16	Intermediate Pressure	Stations	Intermediate pressure DRS	No.	6	1	6	7	3	3	54	1	2	1	-	-	1	-	-	-	1	2	1	2	4	1	-	-	97	4																										
17	Intermediate Pressure	Line valve	IP line valves	No.	45	31	16	59	162	96	65	12	7	4	5	3	6	7	4	6	4	10	5	9	8	28	23	7	8	30	660	3																								
18	Intermediate Pressure	Special crossings	IP crossings	No.	3	-	-	1	7	-	5	1	-	-	-	-	1	-	-	-	1	-	-	-	-	-	-	-	-	-	20	4																								
19	Medium Pressure	Main pipe	MP PE main pipe	km	14	4	17	59	181	514	1,483	172	94	81	127	89	100	119	98	67	39	48	59	63	86	97	85	93	69	17	3,875	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	213	4																								
21	Medium Pressure	Main pipe	MP other main pipe	km	1	0	0	0	0	0	0	0	0	0	0	0	0	0	0	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	323	662	98	55	58	79	94	79	73	60	37	44	63	54	54	55	42	44	38	1	2,165	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	27	4																								
24	Medium Pressure	Service pipe	MP other service pipe	km	0	0	0	0	2	0	0	-	-	-	0	0	-	-	0	0	-	-	0	-	-	-	-	-	-	-	3	3																								
25	Medium Pressure	Stations	Medium pressure DRS	No.	1	2	1	7	28	79	37	2	-	2	-	4	4	2	1	-	-	-	1	1	1	1	-	1	1	176	3																									
26	Medium Pressure	Line valve	MP line valves	No.	42	90	100	642	640	421	253	46	33	37	20	18	39	40	29	30	30	14	35	28	51	51	58	48	33	74	2,902	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	-	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	-	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	-	-	-	1	-	-	-	-	-	-	-	-	-	-	2	-	-	-	-	-	-	-	-	4	2																								
35	Low Pressure	Special crossings	LP special crossings	No.	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	N/A																								
36	All	Monitoring and control systems	Remote terminal units	No.	-	-	-	-	-	-	32	1	1	1	-	-	4	1	19	3	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	22	4																								

Company Name **Vector gas distribution business**
 For Year Ended **30 June 2017**

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

8
9
10
11
12
13
14
15
16
17
18
19
20
21
22
23
24
25
26
27
28

9d(i): Consumer Connections

Number of ICPs connected in year by consumer type

<i>Consumer types defined by GDB</i>	Number of connections (ICPs)
Residential	3,283
Commercial	232
Total	3,515

9d(ii): Gas Delivered

Number of ICPs at year end	106,670	connections
Maximum daily load	60,213	(GJ per day)
Maximum monthly load	1,501,215	(GJ per month)
Number of directly billed ICPs	-	(at year end)
Total gas conveyed	14,324,640	(GJ per annum)
Average daily delivery	39,246	(GJ per day)
Load factor	79.52%	

Company Name **Vector gas distribution business**
 For Year Ended **30 June 2017**

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

8	10a(i): Interruptions			
9	Interruptions by class			
10		Actual		
11	Class A (planned interruptions by GTB)			-
12	Class B (planned interruptions on the network)			448
13	Class C (unplanned interruptions on the network)			52
14	Class D (unplanned interruptions by GTB)			-
15	Class I (unplanned interruptions caused by third party damage)			226
16	Total			726
17	Number of unplanned outage events (interruptions that affect more than 5 ICPs)			
18		Actual		
19	Vector network			8
20				
21				
22	Number of unplanned outage events caused by third party damage (interruptions that affect more than 5 ICPs)			
23		Actual		
24	Vector network			6
25				
26				
27				
28	10a(ii): Reliability			
29	Overall reliability			
30	Based on the total number of interruptions	SAIDI	SAIFI	CAIDI
31	Class I (unplanned interruptions caused by third party damage)	1,375	8.70	158
32	Class B (planned interruptions on the network)	SAIDI	SAIFI	CAIDI
33	Vector network	612	5.13	119
34				-
35				-
36				-
37				-
38	Class C (unplanned interruptions on the network)	SAIDI	SAIFI	CAIDI
39	Vector network	346	0.77	451
40				-
41				-
42				-
43				-

Company Name **Vector gas distribution business**
 For Year Ended **30 June 2017**

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	30.453

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

	Actual
Vector network	4.638

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

	Actual
Vector network	52.404

Number of poor pressure events due to network causes

	Actual
Vector network	5.000

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

	Actual
Vector network	87.76%

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	93.75%	100.00%	0.65	96

Number of complaints

	Actual
Number of complaints per average total consumer numbers	0.0009