



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

Company Name	Vector
Disclosure Date	18 December 2020
Disclosure Year (year ended)	30 June 2020

Templates for Schedules 1–10 excluding 5f–5g
Template Version 4.1. Prepared 21 December 2017

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 21 December 2017). 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**
 For Year Ended **30 June 2020**

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

7 **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)
8 Operational expenditure	928	116	8	1,920
9 Network	371	46	3	768
10 Non-network	557	69	5	1,152
11				
12 Expenditure on assets	1,567	196	14	3,241
13 Network	1,496	187	14	3,094
14 Non-network	71	9	1	147

16 **1(ii): Revenue Metrics**

	Revenue per TJ energy delivered to ICPs (\$/TJ)	Revenue per average no. of ICPs (\$/ICP)
18 Total line charge revenue	3,385	422
19 Standard consumer line charge revenue	4,265	401
20 Non-standard consumer line charge revenue	685	118,600

22 **1(iii): Service Intensity Measures**

23 Demand density	226	Maximum monthly load (GJ per month) per system length
24 Volume density	2	Quantity of gas delivered per km of system length (TJ/km)
25 Connection point density	17	Average number of ICPs in disclosure year per system length
26 Energy intensity	125	Total GJ delivered to ICPs per average number of ICPs in disclosure year

29 **1(iv): Composition of Revenue Requirement**

	(\$000)	% of revenue
30 Operational expenditure	13,093	27.45%
31 Pass-through and recoverable costs excluding financial incentives and wash-ups	1,841	3.86%
32 Total depreciation	12,159	25.49%
33 Total revaluations	6,156	12.91%
34 Regulatory tax allowance	5,183	10.87%
35 Regulatory profit/(loss) including financial incentives and wash-ups	21,081	44.20%
36 Total regulatory income	47,696	

39 **1(v): Reliability**

40 Interruption rate	8.81	Interruptions per 100km of system length
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Company Name **Vector**
 For Year Ended **30 June 2020**

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

		CY-2	CY-1	Current Year CY
		30 Jun 18	30 Jun 19	30 Jun 20
		%	%	%
7	2(i): Return on Investment			
8				
9	ROI – comparable to a post tax WACC			
10	Reflecting all revenue earned	6.19%	5.45%	5.01%
11	Excluding revenue earned from financial incentives	6.19%	5.45%	5.01%
12	Excluding revenue earned from financial incentives and wash-ups	6.19%	5.45%	5.05%
13				
14	Mid-point estimate of post tax WACC	5.20%	5.07%	4.40%
15	25th percentile estimate	4.49%	4.36%	3.69%
16	75th percentile estimate	5.91%	5.77%	5.11%
17				
18				
19	ROI – comparable to a vanilla WACC			
20	Reflecting all revenue earned	6.74%	5.95%	5.40%
21	Excluding revenue earned from financial incentives	6.74%	5.95%	5.40%
22	Excluding revenue earned from financial incentives and wash-ups	6.74%	5.95%	5.43%
23				
24	WACC rate used to set regulatory price path	6.41%	6.41%	6.41%
25				
26	Mid-point estimate of vanilla WACC	5.73%	5.56%	4.79%
27	25th percentile estimate	5.02%	4.85%	4.08%
28	75th percentile estimate	6.44%	6.27%	5.50%
29				
30	2(ii): Information Supporting the ROI			
31				
32	Total opening RAB value	424,028		
33	plus Opening deferred tax	(31,191)		
34	Opening RIV		392,837	
35				
36	Line charge revenue		47,744	
37				
38	Expenses cash outflow	14,934		
39	plus Assets commissioned	16,315		
40	less Asset disposals	48		
41	plus Tax payments	2,415		
42	less Other regulated income	(48)		
43	Mid-year net cash flows		33,664	
44				
45	Term credit spread differential allowance		495	
46				
47	Total closing RAB value	434,256		
48	less Adjustment resulting from asset allocation	(36)		
49	less Lost and found assets adjustment	-		
50	plus Closing deferred tax	(33,959)		
51	Closing RIV		400,333	
52				
53	ROI – comparable to a vanilla WACC			5.40%
54				
55	Leverage (%)			42%
56	Cost of debt assumption (%)			3.28%
57	Corporate tax rate (%)			28%
58				
59	ROI – comparable to a post tax WACC			5.01%
60				



Company Name **Vector**
 For Year Ended **30 June 2020**

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

61									
62									
63	Opening RIV								N/A
64									
65									
66									
67									
68									
69									
70									
71									
72									
73									
74									
75									
76									
77									
78									
79	Total								
80									
81	Tax Payments								N/A
82									
83	Term credit spread differential allowance								N/A
84									
85	Closing RIV								N/A
86									
87									
88	Monthly ROI – comparable to a vanilla WACC								N/A
89									
90	Monthly ROI – comparable to a post tax WACC								N/A
91									

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

92									
93									
94	Year-end ROI – comparable to a vanilla WACC								5.30%
95									
96	Year-end ROI – comparable to a post tax WACC								4.92%
97									

* 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

100									
101									
102	Financial incentives								-
103									
104	Impact of financial incentives on ROI								-
105									
106	Input methodology claw-back								-
107	CPP application recoverable costs								-
108	Catastrophic event allowance								-
109	Capex wash-up adjustment								(177)
110	Other wash-ups								-
111	Wash-up costs								(177)
112									
113	Impact of wash-up costs on ROIs								(0.03%)



Company Name **Vector**
 For Year Ended **30 June 2020**

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	47,744
10	plus Gains / (losses) on asset disposals	(48)
11	plus Other regulated income (other than gains / (losses) on asset disposals)	-
12		
13	Total regulatory income	47,696
14	Expenses	
15	less Operational expenditure	13,093
16		
17	less Pass-through and recoverable costs excluding financial incentives and wash-ups	1,841
18		
19	Operating surplus / (deficit)	32,762
20		
21	less Total depreciation	12,159
22		
23	plus Total revaluations	6,156
24		
25	Regulatory profit / (loss) before tax	26,759
26		
27	less Term credit spread differential allowance	495
28		
29	less Regulatory tax allowance	5,183
30		
31	Regulatory profit/(loss) including financial incentives and wash-ups	21,081
32		
33	3(ii): Pass-through and recoverable costs excluding financial incentives and wash-ups	(\$000)
34	Pass through costs	
35	Rates	1,456
36	Commerce Act levies	322
37	Industry Levies	63
38	CPP specified pass through costs	-
39	Recoverable costs excluding financial incentives and wash-ups	
40	Urgent project allowance	-
41	Other recoverable costs excluding financial incentives and wash-ups	-
42	Pass-through and recoverable costs excluding financial incentives and wash-ups	1,841
43		
44		
45		
46	3(iv): Merger and Acquisition Expenditure	
47		(\$000)
48	Merger and acquisition expenditure	-
49		
50	<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>	
51		(\$000)
52	3(v): Other Disclosures	
53		(\$000)
54	Self-insurance allowance	-



Company Name **Vector**
 For Year Ended **30 June 2020**

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

		for year ended				
		RAB 30 Jun 16 (\$000)	RAB 30 Jun 17 (\$000)	RAB 30 Jun 18 (\$000)	RAB 30 Jun 19 (\$000)	RAB 30 Jun 20 (\$000)
4(i): Regulatory Asset Base Value (Rolled Forward)						
	Total opening RAB value	496,747	375,662	390,463	406,008	424,028
	Total opening RAB value for Non Auckland gas distribution	131,352				
less	Total depreciation	9,484	10,338	10,995	11,433	12,159
plus	Total revaluations	1,521	6,542	5,853	6,794	6,156
plus	Assets commissioned	17,653	18,700	20,708	22,067	16,315
less	Asset disposals	92	107	43	19	48
plus	Lost and found assets adjustment	-	-	-	-	-
plus	Adjustment resulting from asset allocation	669	4	22	611	(36)
	Total closing RAB value	375,662	390,463	406,008	424,028	434,256

		Unallocated RAB *	RAB
		(\$000)	(\$000)
4(ii): Unallocated Regulatory Asset Base			
	Total opening RAB value	470,842	424,028
less	Adjustment to opening RAB value	580	
less	Total depreciation	24,102	12,159
plus	Total revaluations	6,804	6,156
plus	Assets commissioned (other than below)	24,838	16,315
	Assets acquired from a regulated supplier	-	-
	Assets acquired from a related party	-	-
	Assets commissioned	24,838	16,315
less	Asset disposals (other than below)	222	48
	Asset disposals to a regulated supplier	-	-
	Asset disposals to a related party	-	-
	Asset disposals	222	48
plus	Lost and found assets adjustment	-	-
plus	Adjustment resulting from asset allocation	-	(36)
	Total closing RAB value	477,580	434,256

* 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.

4(iii): Calculation of Revaluation Rate and Revaluation of Assets		
	CPI _t	1,047
	CPI _{t-4}	1,032
	Revaluation rate (%)	1.45%

		Unallocated RAB *	RAB
		(\$000)	(\$000)
	Total opening RAB value	470,842	424,028
less	Adjustment to opening RAB value	580	
less	Adjustment resulting from asset allocation		36
less	Opening value of fully depreciated, disposed and lost assets	1,971	344
	Total opening RAB value subject to revaluation	468,291	423,648
	Total revaluations	6,804	6,156

		Unallocated works under construction	Allocated works under construction
		(\$000)	(\$000)
4(iv): Roll Forward of Works Under Construction			
	Works under construction—preceding disclosure year	15,964	3,117
plus	Capital expenditure	24,294	15,698
less	Assets commissioned	24,838	16,315
less	Adjustment resulting from asset allocation	9,689	-
	Works under construction - current disclosure year	5,731	2,500
	Highest rate of capitalised finance applied		4.33%

		Unallocated RAB *	RAB
		(\$000)	(\$000)
4(v): Regulatory Depreciation			
	Depreciation - standard	10,690	10,690
	Depreciation - no standard life assets	13,412	1,469
	Depreciation - modified life assets	-	-
	Depreciation - alternative depreciation in accordance with CPP	-	-
	Total depreciation	24,102	12,159

(\$000 unless otherwise specified)

4(vi): Disclosure of Changes to Depreciation Profiles		Depreciation charge for the period (RAB)	Closing RAB value under 'non-standard' depreciation	Closing RAB value under 'standard' depreciation
Asset or assets with changes to depreciation	Reason for non-standard depreciation (text entry)			

* include additional rows if needed

4(vii): Disclosure by Asset Category	
	(\$000 unless otherwise specified)



Company Name **Vector**
 For Year Ended **30 June 2020**

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

		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
98											
99	Total opening RAB value	47,074	262,756	9,607	77,669	5,131	4,234	876	9,888	6,793	424,028
100	less Total depreciation	1,356	6,577	311	1,499	232	149	18	550	1,467	12,159
101	plus Total revaluations	680	3,818	140	1,131	74	62	13	144	94	6,156
102	plus Assets commissioned	564	6,719	-	6,086	621	222	-	1,105	998	16,315
103	less Asset disposals	-	3	-	12	8	-	-	6	19	48
104	plus Lost and found assets adjustment	-	-	-	-	-	-	-	-	-	-
105	plus Adjustment resulting from asset allocation	-	-	-	-	-	-	-	-	(36)	(36)
106	plus Asset category transfers	-	-	-	-	-	-	-	-	-	-
107	Total closing RAB value	46,962	266,713	9,436	83,375	5,586	4,369	871	10,581	6,363	434,256
108											
109	Asset Life										
110	Weighted average remaining asset life	41	43	36	54	26	46	51	27	7	(years)
111	Weighted average expected total asset life	70	60	60	60	34	60	61	46	13	(years)



Company Name **Vector**
 For Year Ended **30 June 2020**

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

sch ref

		(\$000)
7	5a(i): Regulatory Tax Allowance	
8	Regulatory profit / (loss) before tax	26,759
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	378
12	Amortisation of initial differences in asset values	2,453
13	Amortisation of revaluations	1,206
14		4,037
15		
16	less Total revaluations	6,156
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	317
19	Notional deductible interest	5,812
20		12,284
21		
22	Regulatory taxable income	18,511
23		
24	less Utilised tax losses	-
25	Regulatory net taxable income	18,511
26		
27	Corporate tax rate (%)	28%
28	Regulatory tax allowance	5,183
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	80,955
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	27
40	Closing unamortised initial differences in asset values	78,475
41		
42	Opening weighted average remaining useful life of relevant assets (years)	33
43		
44	5a(iv): Amortisation of Revaluations	(\$000)
45		
46	Opening sum of RAB values without revaluations	382,656
47		
48	Adjusted depreciation	10,953
49	Total depreciation	12,159
50	Amortisation of revaluations	1,206
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	(31,191)
61		
62	plus Tax effect of adjusted depreciation	3,067
63		
64	less Tax effect of tax depreciation	4,990
65		
66	plus Tax effect of other temporary differences*	(40)
67		
68	less Tax effect of amortisation of initial differences in asset values	687
69		



Company Name **Vector**
 For Year Ended **30 June 2020**

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

sch ref

70	<i>plus</i>	Deferred tax balance relating to assets acquired in the disclosure year		-
71				
72	<i>less</i>	Deferred tax balance relating to assets disposed in the disclosure year		2
73				
74	<i>plus</i>	Deferred tax cost allocation adjustment		(116)
75				
76		Closing deferred tax		(33,959)
77				

5a(vii): Disclosure of Temporary Differences

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).

5a(viii): Regulatory Tax Asset Base Roll-Forward

82					(\$000)
83		Opening sum of regulatory tax asset values		179,437	
84	<i>less</i>	Tax depreciation		17,821	
85	<i>plus</i>	Regulatory tax asset value of assets commissioned		17,781	
86	<i>less</i>	Regulatory tax asset value of asset disposals		28	
87	<i>plus</i>	Lost and found assets adjustment		-	
88	<i>plus</i>	Adjustments resulting from asset allocation		(449)	
89	<i>plus</i>	Other adjustments to the RAB tax value		-	
90		Closing sum of regulatory tax asset values			178,920



Company Name **Vector**
 For Year Ended **30 June 2020**

SCHEDULE 5b: REPORT ON RELATED PARTY TRANSACTIONS

This schedule provides information on the valuation of related party transactions, in accordance with clause 2.3.6 of the ID determination. This information is part of audited disclosure information (as defined in clause 1.4 of the ID determination), and so is subject to the assurance report required by clause 2.8.

sch ref

	(\$000)	(\$000)
7 5b(i): Summary—Related Party Transactions		
8 Total regulatory income		2,694
9		
10 Market value of asset disposals		-
11		
12 Service interruptions, incidents and emergencies	-	
13 Routine and corrective maintenance and inspection	-	
14 Asset replacement and renewal (opex)	-	
15 Network opex		-
16 Business support	-	
17 System operations and network support	369	
18 Operational expenditure		369
19 Consumer connection	-	
20 System growth	-	
21 Asset replacement and renewal (capex)	-	
22 Asset relocations	-	
23 Quality of supply	-	
24 Legislative and regulatory	-	
25 Other reliability, safety and environment	-	
26 Expenditure on non-network assets		-
27 Expenditure on assets		-
28 Cost of financing		-
29 Value of capital contributions		-
30 Value of vested assets		-
31 Capital expenditure		-
32 Total expenditure		369
33		
34 Other related party transactions		-

5b(iii): Total Opex and Capex Related Party Transactions			Total value of transactions (\$000)
Name of related party	Nature of opex or capex service provided		
Vector Communications Limited	System operations and network support		70
Digital division	System operations and network support		239
Vector Technology Services Limited	System operations and network support		60
Total value of related party transactions			369

* include additional rows if needed

In accordance with clause 2.3.8 of the ID determination, a description showing the connection between Vector and the related parties with which it has had related party transactions in the disclosure year and the principal activities of the related party is disclosed below.

- 1) Vector Communications Limited:
 - Relationship: a wholly owned subsidiary of Vector limited
 - Principal activities: network communications services
 - OPEX: \$70k
- 2) Digital division:
 - Relationship: unregulated part of Vector Limited
 - Principal activities: digital and technology services
 - Opex: \$239k
- 3) Vector Technology Services Limited
 - Relationship: a wholly owned subsidiary of Vector Limited
 - Principal activities: digital and technology services
 - Opex: \$60k
- 4) Vector Gas Trading Limited:
 - Relationship: a wholly owned subsidiary of Vector Limited
 - Principal activities: gas distribution services
 - Income: \$2,694k



Company Name **Vector**
 For Year Ended **30 June 2020**

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

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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	Debt issue cost readjustment
[]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	31-Jul-18	17-Jul-18	3	BKBM + []VCI				
[]VCI	31-Jul-18	17-Jul-18	3	BKBM + []VCI				
[]VCI	31-Jul-18	17-Jul-18	3	BKBM + []VCI				
[]VCI	2-Feb-18	19-Dec-17	3	BKBM + []VCI				
[]VCI	16-Sep-19	24-Jul-19	3	BKBM + []VCI				
[]VCI	16-Sep-19	24-Jul-19	3	BKBM + []VCI				
[]VCI	16-Sep-19	24-Jul-19	3	BKBM + []VCI				
[]VCI	16-Sep-19	24-Jul-19	3	BKBM + []VCI				
[]VCI	16-Apr-20	15-Apr-20	3	BKBM + []VCI				
[]VCI	13-Jan-20	20-Dec-19	5	BKBM + []VCI				
Subtotal of bank facilities- variable rate						148,683		
Capital bonds – fixed rate	15-Jun-17	14-Jun-17	5	5.7	307,205	306,511	[]VCI	[]VCI
Wholesale Bonds- fixed rate Mar17	14-Mar-17	3-Mar-17	7	4.996	100,000		[]VCI	[]VCI
Wholesale Bonds- fixed rate Jun18	25-Jun-18	21-Jun-18	5.7	4.996	140,000		[]VCI	[]VCI
Subtotal of wholesale bonds- variable rate					240,000	243,100	[]VCI	[]VCI
Senior notes - 2020 USPP 12yr	12-Mar-20	4-Mar-20	12	[]VCI	573,888		[]VCI	[]VCI
Senior notes - 2020 USPP 15 yr	12-Mar-20	4-Mar-20	15	[]VCI	223,179		[]VCI	[]VCI
Senior notes - 2010 USPP 12yr	20-Dec-10	22-Sep-10	12	[]VCI	250,516		[]VCI	[]VCI
Senior notes - 2014 USPP 7yr	14-Oct-14	19-Jun-14	7	[]VCI	150,000		[]VCI	[]VCI
Senior notes - 2017 USPP 10yr	25-Oct-17	28-Sep-17	10	[]VCI	277,200		[]VCI	[]VCI
Senior notes - 2017 USPP 12yr	25-Oct-17	28-Sep-17	12	[]VCI	138,600		[]VCI	[]VCI
Subtotal of senior notes - USD fixed rate					1,613,383	1,839,871	[]VCI	[]VCI
Floating rate notes- variable rate	26-Oct-05	26-Oct-05	15	BKBM + []VCI	350,000	349,899	[]VCI	[]VCI
Unsubordinated bond	27-May-19	16-May-19	6	3.45	250,000	247,536	[]VCI	[]VCI
<i>* include additional rows if needed</i>						3,135,600	11,032	(2,426)

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

Gross term credit spread differential		8,606
Total book value of interest bearing debt	3,135,600	
Leverage	42%	
Average opening and closing RAB values	429,142	
Attribution Rate (%)		6%
Term credit spread differential allowance		495

Company Name **Vector**
 For Year Ended **30 June 2020**

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)
Service interruptions, incidents and emergencies						
	Directly attributable		2,225			
	Not directly attributable	-	-	-	-	-
	Total attributable to regulated service		2,225			
Routine and corrective maintenance and inspection						
	Directly attributable		3,013			
	Not directly attributable	-	-	-	-	-
	Total attributable to regulated service		3,013			
Asset replacement and renewal						
	Directly attributable		-			
	Not directly attributable	-	-	-	-	-
	Total attributable to regulated service		-			
System operations and network support						
	Directly attributable		1,626			
	Not directly attributable	-	1,285	9,167	10,452	-
	Total attributable to regulated service		2,911			
Business support						
	Directly attributable		68			
	Not directly attributable	-	4,876	47,669	52,545	-
	Total attributable to regulated service		4,944			
	Operating costs directly attributable		6,932			
	Operating costs not directly attributable	-	6,161	56,836	62,997	-
	Operational expenditure		13,093			

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		1,841			
	Not directly attributable	-	-	-	-	-
	Total attributable to regulated service		1,841			
Recoverable costs						
	Directly attributable		-			
	Not directly attributable	-	-	-	-	-
	Total attributable to regulated service		-			

5d(iii): Changes in Cost Allocations* †		(\$000)		
		Original allocation	CY-1	Current Year (CY)
Change in cost allocation 1				
	Cost category			
	Original allocator or line items			
	New allocator or line items			
	Difference			
	Rationale for change			
Change in cost allocation 2				
	Cost category			
	Original allocator or line items			
	New allocator or line items			
	Difference			
	Rationale for change			
Change in cost allocation 3				
	Cost category			
	Original allocator or line items			
	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**
 For Year Ended **30 June 2020**

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	323,111
12	Not directly attributable	-
13	Total attributable to regulated service	323,111
14	Service pipe	
15	Directly attributable	83,375
16	Not directly attributable	-
17	Total attributable to regulated service	83,375
18	Stations	
19	Directly attributable	5,586
20	Not directly attributable	-
21	Total attributable to regulated service	5,586
22	Line valve	
23	Directly attributable	4,369
24	Not directly attributable	-
25	Total attributable to regulated service	4,369
26	Special crossings	
27	Directly attributable	871
28	Not directly attributable	-
29	Total attributable to regulated service	871
30	Other network assets	
31	Directly attributable	10,581
32	Not directly attributable	-
33	Total attributable to regulated service	10,581
34	Non-network assets	
35	Directly attributable	1,520
36	Not directly attributable	4,843
37	Total attributable to regulated service	6,363
38		
39	Regulated service asset value directly attributable	429,413
40	Regulated service asset value not directly attributable	4,843
41	Total closing RAB value	434,256
42		

43 **5e(ii): Changes in Asset Allocations* †**

44 Change in asset value allocation 1		(\$000)	
		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		
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		
65	Asset category		
66	Original allocator or line items		
67	New allocator or line items		
68			
69	Rationale for change		
70			
71			

72 *component.*

73 *† include additional rows if needed*



Company Name **Vector**
 For Year Ended **30 June 2020**

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		15,786
9	System growth		615
10	Asset replacement and renewal		2,020
11	Asset relocations		2,147
12	Reliability, safety and environment:		
13	Quality of supply	274	
14	Legislative and regulatory	15	
15	Other reliability, safety and environment	248	
16	Total reliability, safety and environment		537
17	Expenditure on network assets		21,105
18	Expenditure on non-network assets		1,001
19			
20	Expenditure on assets		22,106
21	plus Cost of financing		(61)
22	less Value of capital contributions		6,347
23	plus Value of vested assets		-
24			
25	Capital expenditure		15,698
26	6a(ii): Subcomponents of Expenditure on Assets (where known)		(\$000)
27	Research and development		-
28	6a(iii): Consumer Connection		
29	Consumer types defined by GDB*	(\$000)	(\$000)
30	Mains Extensions/Subdivisions	4,695	
31	Service Connections - Residential	9,849	
32	Service Connections - Commercial	1,242	
33		-	
34		-	
35	* include additional rows if needed		
36	Consumer connection expenditure		15,786
37			
38	less Capital contributions funding consumer connection expenditure	4,030	
39	Consumer connection less capital contributions		11,756
40			
41	6a(iv): System Growth and Asset Replacement and Renewal		
42		System Growth (\$000)	Asset Replacement and Renewal (\$000)
43			
44	Intermediate pressure		
45	Main pipe	-	22
46	Service pipe	-	-
47	Stations	103	371
48	Line valve	-	134
49	Special crossings	-	408
50	Intermediate pressure -total	103	935
51	Medium pressure		
52	Main pipe	512	974
53	Service pipe	-	46
54	Stations	-	24
55	Line valve	-	-
56	Special crossings	-	-
57	Medium pressure - total	512	1,044
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	-	16
66	Cathodic protection systems	-	25
67	Other assets (other than above)	-	-
68	Other network assets - total	-	41
69			
70	System growth and asset replacement and renewal expenditure	615	2,020
71	less Capital contributions funding system growth and asset replacement and renewal	-	76
72	System growth and asset replacement and renewal less capital contributions	615	1,944
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	2,147	



Company Name **Vector**
 For Year Ended **30 June 2020**

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

82	Asset relocations expenditure		2,147
83	less Capital contributions funding asset relocations	2,241	
84	Asset relocations less capital contributions		(94)
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	274	
94	Quality of supply expenditure		274
95	less Capital contributions funding quality of supply	-	
96	Quality of supply less capital contributions		274
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	15	
107	Legislative and regulatory expenditure		15
108	less Capital contributions funding legislative and regulatory	-	
109	Legislative and regulatory less capital contributions		15
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	248	
120	Other reliability, safety and environment expenditure		248
121	less Capital contributions funding other reliability, safety and environment	-	
122	Other reliability, safety and environment less capital contributions		248
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	399	
133	Routine expenditure		399
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	602	
143	Atypical expenditure		602
144			
145	Expenditure on non-network assets		1,001



Company Name **Vector**
 For Year Ended **30 June 2020**

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	2,225	
9	Routine and corrective maintenance and inspection	3,013	
10	Asset replacement and renewal	-	
11	Network opex		5,238
12	System operations and network support	2,911	
13	Business support	4,944	
14	Non-network opex		7,855
15			
16	Operational expenditure		13,093
17	6b(ii): Subcomponents of Operational Expenditure (where known)		
18	Research and development		-
19	Insurance		240



Company Name **Vector**
 For Year Ended **30 June 2020**

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	49,100	47,744	(3%)
7(ii): Expenditure on Assets		Forecast (\$000) ²	Actual (\$000)	% variance
10				
11	Consumer connection	17,574	15,786	(10%)
12	System growth	2,764	615	(78%)
13	Asset replacement and renewal	3,032	2,020	(33%)
14	Asset relocations	3,920	2,147	(45%)
15	Reliability, safety and environment:			
16	Quality of supply	1,024	274	(73%)
17	Legislative and regulatory	-	15	-
18	Other reliability, safety and environment	159	248	56%
19	Total reliability, safety and environment	1,183	537	(55%)
	Expenditure on network assets	28,473	21,105	(26%)
21	Expenditure on non-network assets	3,791	1,001	(74%)
22	Expenditure on assets	32,264	22,106	(31%)
7(iii): Operational Expenditure				
23				
24	Service interruptions, incidents and emergencies	2,236	2,225	(0%)
25	Routine and corrective maintenance and inspection	3,117	3,013	(3%)
26	Asset replacement and renewal	-	-	-
27	Network opex	5,353	5,238	(2%)
28	System operations and network support	2,412	2,911	21%
29	Business support	4,920	4,944	0%
30	Non-network opex	7,332	7,855	7%
31	Operational expenditure	12,685	13,093	3%
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	217	240	11%

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
For Year Ended	30 June 2020
Network / Sub-Network Name	

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					Line charge revenues (\$000) by price component					Add extra columns for additional line charge revenues by price component as necessary
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)	Price component	Fixed	Variable			
					Rate (eg, \$ per day, \$ per GJ, etc.)	\$/Day	\$/kWh			
GA0R	Residential	Standard	\$27,536			\$14,495	\$13,041			
GA01	Commercial	Standard	\$1,445			\$574	\$871			
GA02	Commercial	Standard	\$3,777			\$1,207	\$2,570			
GA03	Commercial	Standard	\$6,154			\$1,836	\$4,318			
GA04	Commercial	Standard	\$3,799			\$899	\$2,900			
GA05	Commercial	Standard	\$2,661			\$1,781	\$880			
Non-standard	Commercial	Non-standard	\$2,372			\$2,144	\$228			
			-							
			-							
			-							
			-							
			-							
			-							
Standard consumer totals			\$45,372	-		\$20,792	\$24,580	-	-	
Non-standard consumer totals			\$2,372	-		\$2,144	\$228	-	-	
Total for all consumers			\$47,744	-		\$22,936	\$24,808	-	-	

Company Name **Vector**
 For Year Ended **30 June 2020**

Network / Sub-network Name

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	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	3
14	Intermediate Pressure	Service pipe	IP other service pipe	km	-	-	-	N/A
15	Intermediate Pressure	Stations	Intermediate pressure DRS	No.	95	95	-	4
16	Intermediate Pressure	Line valve	IP line valves	No.	641	640	(1)	3
17	Intermediate Pressure	Special crossings	IP crossings	No.	20	20	-	4
18	Medium Pressure	Main pipe	MP PE main pipe	km	4,015	4,068	54	4
19	Medium Pressure	Main pipe	MP steel main pipe	km	212	211	(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	2,228	2,264	36	4
22	Medium Pressure	Service pipe	MP steel service pipe	km	26	25	(1)	4
23	Medium Pressure	Service pipe	MP other service pipe	km	3	3	(0)	4
24	Medium Pressure	Stations	Medium pressure DRS	No.	141	133	(8)	4
25	Medium Pressure	Line valve	MP line valves	No.	2,815	2,836	21	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	-	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	1	1	(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	-	-	-	N/A
33	Low Pressure	Line valve	LP line valves	No.	2	2	-	4
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.	21	21	-	4

Company Name **Vector**
 For Year Ended **30 June 2020**
 Network / Sub-network Name

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 2020																														No. with age	of year	No. with	Data accuracy							
																														unknown	(quantity)	default dates	(1-4)							
Operating Pressure	Asset Category	Asset Class	Units	1970	1975	1980	1985-	1990	1995	2000	2001	2002	2003	2004	2005	2006	2007	2008	2009	2010	2011	2012	2013	2014	2015	2016	2017	2018	2019	2020	2021	2022	2023	2024	2025					
				pre-1970	-1974	-1979	-1984	1989	-1994	-1999																														
9	Intermediate Pressure	Main pipe	IP PE main pipe	km	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-		
10	Intermediate Pressure	Main pipe	IP steel main pipe	km	46	14	4	16	60	13	49	25	0	1	0	1	1	0	0	0	0	1	0	1	8	1	1	1	0	0								241	4	
11	Intermediate Pressure	Main pipe	IP other main pipe	km	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	
12	Intermediate Pressure	Service pipe	IP PE service pipe	km	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	
13	Intermediate Pressure	Service pipe	IP steel service pipe	km	0	0	0	0	1	1	2	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	0	0	6	3
14	Intermediate Pressure	Service pipe	IP other service pipe	km	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	
15	Intermediate Pressure	Stations	Intermediate pressure DR	No.	6	1	6	3	3	54	1	2	1	-	1	-	-	1	-	-	-	1	2	-	2	4	1	-	-	-	-	-	-	-	-	-	95	4		
16	Intermediate Pressure	Line valve	IP line valves	No.	41	27	16	55	151	93	61	9	7	4	5	3	6	6	5	6	4	10	5	9	8	27	23	7	8	4	5	5				30	640	3		
17	Intermediate Pressure	Special crossings	IP crossings	No.	3	-	-	1	7	-	5	1	-	-	-	-	1	-	-	-	-	1	-	-	-	-	-	-	-	-	-	-	-	-	-	-	20	4		
18	Medium Pressure	Main pipe	MP PE main pipe	km	14	4	17	56	181	512	1,480	171	94	81	128	89	100	119	98	67	40	48	59	63	86	96	84	94	103	83	65	36			2	4,068	4			
19	Medium Pressure	Main pipe	MP steel main pipe	km	11	24	14	76	74	5	5	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	0	211	4	
20	Medium Pressure	Main pipe	MP other main pipe	km	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	0	0	0	0	0	0	0	0	1	3	
21	Medium Pressure	Service pipe	MP PE service pipe	km	4	1	2	6	60	316	656	97	55	58	79	94	78	78	72	60	37	44	63	53	54	55	42	44	42	40	41	33			1	2,264	4			
22	Medium Pressure	Service pipe	MP steel service pipe	km	2	1	2	6	6	4	4	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	0	25	4	
23	Medium Pressure	Service pipe	MP other service pipe	km	0	0	0	0	2	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	0	0	0	3	4	
24	Medium Pressure	Stations	Medium pressure DRS	No.	1	2	-	6	23	51	33	1	-	2	1	6	2	1	-	-	-	1	-	1	1	-	1	-	-	-	-	-	-	-	-	-	133	4		
25	Medium Pressure	Line valve	MP line valves	No.	39	85	87	576	602	392	242	40	30	38	19	16	40	38	29	29	31	15	34	28	49	49	55	49	40	37	41	37			69	2,836	3			
26	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		
27	Low Pressure	Main pipe	LP PE main pipe	km	-	0	-	-	0	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	0	-	-	-	-	-	-	-	-	-	-	-	0	4		
28	Low Pressure	Main pipe	LP steel main pipe	km	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-		
29	Low Pressure	Main pipe	LP other main pipe	km	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-		
30	Low Pressure	Service pipe	LP PE service pipe	km	0	0	0	0	0	0	0	0	-	-	-	-	-	-	-	-	-	-	-	0	0	-	0	-	-	-	-	-	-	-	-	-	1	4		
31	Low Pressure	Service pipe	LP steel service pipe	km	0	0	-	0	0	0	0	-	-	-	-	0	-	-	-	-	-	-	-	0	-	-	-	-	-	-	-	-	-	-	-	-	0	1	3	
32	Low Pressure	Service pipe	LP other service pipe	km	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	
33	Low Pressure	Line valve	LP line valves	No.	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	2	4		
34	Low Pressure	Special crossings	LP special crossings	No.	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	
35	All	Monitoring and control systems	Remote terminal units	No.	-	-	-	-	-	32	1	1	1	-	-	4	1	19	3	1	-	1	-	3	3	1	-	-	-	-	-	-	-	-	-	7	78	3		
36	All	Cathodic protection systems	Cathodic protection	No.	1	1	2	4	4	2	-	2	1	-	-	1	-	-	-	-	-	-	-	1	-	1	-	-	-	-	-	-	-	-	-	21	4			

Company Name	Vector
For Year Ended	30 June 2020
Network / Sub-network Name	

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)	%
Unknown	0	0.00%
Steel	483	7.09%
PE	6,334	92.86%
Other	4	0.06%
		-
		-
System length	6,821	100.00%

By operating pressure:	System length (km) (at year end)	Weighted average		Gas conveyed for Persons not involved in the GDB (TJ)
		pipe diameter (mm)	Number of ICPs (at year end)	
Intermediate pressure	247	162	176	3,356
Medium pressure	6,572	38	113,488	8,914
Low pressure	2	44	296	13
Total	6,821	43	113,960	12,284

Company Name	Vector
For Year Ended	30 June 2020
Network / Sub-network Name	

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

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9d(i): Consumer Connections

Number of ICPs connected in year by consumer type

Consumer types defined by GDB	Number of connections (ICPs)
Residential	3,090
Commercial	111
Total	3,201

9d(ii): Gas Delivered

Number of ICPs at year end	113,960	connections
Maximum daily load	60,892	(GJ per day)
Maximum monthly load	1,544,032	(GJ per month)
Number of directly billed ICPs	-	(at year end)
Total gas conveyed	14,275,814	(GJ per annum)
Average daily delivery	39,005	(GJ per day)
Load factor	77.05%	

Company Name	Vector
For Year Ended	30 June 2020
Network / Sub-network Name	

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		Actual	
10	Class A (planned interruptions by GTB)		-	
11	Class B (planned interruptions on the network)		423	
12	Class C (unplanned interruptions on the network)		32	
13	Class D (unplanned interruptions by GTB)		-	
14	Class I (unplanned interruptions caused by third party damage)		146	
15	Total		601	
16	Number of unplanned outage events (interruptions that affect more than 5 ICPs)		Actual	
17	Vector network		1	
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		1	
24				
25				
26				
27				
28	10a(ii): Reliability			
29	Overall reliability		SAIDI	SAIFI
30	Based on the total number of interruptions		1,316	6.53
31	Class I (unplanned interruptions caused by third party damage)		412	1.56
32	Class B (planned interruptions on the network)			
33	Vector network		767	4.65
34				-
35				-
36				-
37				-
38	Class C (unplanned interruptions on the network)			
39	Vector network		137	0.33
40				-
41				-
42				-
43				-



Company Name	Vector
For Year Ended	30 June 2020
Network / Sub-network Name	

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

8 **10b(i): System Condition and Integrity**

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

Actual

Vector network	19.499

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

Actual

Vector network	3.812

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

Actual

Vector network	41.197

27 **Number of poor pressure events due to network causes**

Actual

Vector network	2

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

Actual

Note: This entry may be excluded for sub-networks.

Vector network	90.81%

40 **Product control—safety of distribution gas**

Actual

Number of non-compliant odour tests

-

42 **10b(ii): Consumer Service**

43 **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
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Vector network	95.10%	100.00%	0.61	102

49 **Number of complaints**

Actual

Number of complaints per average total consumer numbers

0.001
