



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

Company Name

Vector

Disclosure Date

13 December 2023

Disclosure Year (year ended)

30 June 2023

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

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**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 2023**

## 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)
<b>Operational expenditure</b>	1,206	136	12	2,310
Network	469	53	5	898
Non-network	737	83	7	1,412
<b>Expenditure on assets</b>	1,934	218	19	3,707
Network	1,627	184	16	3,118
Non-network	307	35	3	589

### 1(ii): Revenue Metrics

	Revenue per TJ energy delivered to ICPs (\$/TJ)	Revenue per average no. of ICPs (\$/ICP)
<b>Total line charge revenue</b>	4,308	486
Standard consumer line charge revenue	5,101	475
Non-standard consumer line charge revenue	582	97,857

### 1(iii): Service Intensity Measures

Demand density	197	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	17	Average number of ICPs in disclosure year per system length
Energy intensity	113	Total GJ delivered to ICPs per average number of ICPs in disclosure year

### 1(iv): Composition of Revenue Requirement

	(\$000)	% of revenue
Operational expenditure	16,175	28.02%
Pass-through and recoverable costs excluding financial incentives and wash-ups	2,322	4.02%
Total depreciation	23,862	41.34%
Total revaluations	29,067	50.36%
Regulatory tax allowance	3,460	5.99%
Regulatory profit/(loss) including financial incentives and wash-ups	40,471	70.12%
<b>Total regulatory income</b>	57,719	

### 1(v): Reliability

Interruption rate	9.33	Interruptions per 100km of system length
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Company Name **Vector**  
For Year Ended **30 June 2023**

## SCHEDULE 2: REPORT ON RETURN ON INVESTMENT

This schedule requires information on the Return on Investment (ROI) for the GDB relative to the Commerce Commission's estimates of post tax WACC and vanilla WACC. GDBs must calculate their ROI based on a monthly basis if required by clause 2.3.3 of the ID Determination or if they elect to. If a GDB makes this election, information supporting this calculation must be provided in 2(iii).

GDBs must provide explanatory comment on their ROI in Schedule 14 (Mandatory Explanatory Notes).

This information is part of audited disclosure information (as defined in section 1.4 of the ID determination), and so is subject to the assurance report required by section 2.8.

sch ref

7	2(i): Return on Investment	for year ended	CY-2	CY-1	Current Year CY
			30 Jun 21	30 Jun 22	30 Jun 23
9	<b>ROI – comparable to a post tax WACC</b>		%	%	%
10	Reflecting all revenue earned		7.01%	10.60%	8.62%
11	Excluding revenue earned from financial incentives		7.01%	10.60%	8.62%
12	Excluding revenue earned from financial incentives and wash-ups		7.05%	10.64%	8.62%
14	<b>Mid-point estimate of post tax WACC</b>		3.65%	4.05%	6.09%
15	25th percentile estimate		2.94%	3.34%	5.38%
16	75th percentile estimate		4.35%	4.76%	6.79%
19	<b>ROI – comparable to a vanilla WACC</b>				
20	Reflecting all revenue earned		7.27%	10.92%	9.24%
21	Excluding revenue earned from financial incentives		7.27%	10.92%	9.24%
22	Excluding revenue earned from financial incentives and wash-ups		7.30%	10.96%	9.24%
24	<b>WACC rate used to set regulatory price path</b>		6.41%	6.41%	6.14%
26	<b>Mid-point estimate of vanilla WACC</b>		3.90%	4.37%	6.70%
27	25th percentile estimate		3.20%	3.66%	6.00%
28	75th percentile estimate		4.61%	5.08%	7.41%
30	<b>2(ii): Information Supporting the ROI</b>		(\$000)		
32	Total opening RAB value		483,088		
33	plus Opening deferred tax		(39,311)		
34	<b>Opening RIV</b>			443,777	
36	<b>Line charge revenue</b>			57,808	
38	Expenses cash outflow		18,497		
39	plus Assets commissioned		13,479		
40	less Asset disposals		101		
41	plus Tax payments		3,204		
42	less Other regulated income		(89)		
43	<b>Mid-year net cash flows</b>			35,169	
45	<b>Term credit spread differential allowance</b>			497	
47	Total closing RAB value		501,556		
48	less Adjustment resulting from asset allocation		(115)		
49	less Lost and found assets adjustment		-		
50	plus Closing deferred tax		(39,566)		
51	<b>Closing RIV</b>			462,105	
53	<b>ROI – comparable to a vanilla WACC</b>				9.24%
55	Leverage (%)				42%
56	Cost of debt assumption (%)				5.25%
57	Corporate tax rate (%)				28%
59	<b>ROI – comparable to a post tax WACC</b>				8.62%



Company Name **Vector**  
 For Year Ended **30 June 2023**

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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).

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### 2(iii): Information Supporting the Monthly ROI

Opening RIV

N/A

		(\$000)				
	Line charge revenue	Expenses cash outflow	Assets commissioned	Asset disposals	Other regulated income	Monthly net cash outflows
Month 1						-
Month 2						-
Month 3						-
Month 4						-
Month 5						-
Month 6						-
Month 7						-
Month 8						-
Month 9						-
Month 10						-
Month 11						-
Month 12						-
Total						-

Tax Payments

N/A

Term credit spread differential allowance

N/A

Closing RIV

N/A

Monthly ROI – comparable to a vanilla WACC

N/A

Monthly ROI – comparable to a post tax WACC

N/A

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

Year-end ROI – comparable to a vanilla WACC

8.98%

Year-end ROI – comparable to a post tax WACC

8.37%

\* 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

Financial incentives

-

Impact of financial incentives on ROI

-

Input methodology claw-back  
 CPP application recoverable costs  
 Catastrophic event allowance  
 Capex wash-up adjustment  
 Other wash-ups

-  
-  
-  
-  
-

Wash-up costs

-

Impact of wash-up costs on ROIs

-

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.

7	3(i): Regulatory Profit		(\$000)
8	Income		
9	Line charge revenue		57,808
10	plus Gains / (losses) on asset disposals		(89)
11	plus Other regulated income (other than gains / (losses) on asset disposals)		-
12			
13	Total regulatory income		57,719
14	Expenses		
15	less Operational expenditure		16,175
16			
17	less Pass-through and recoverable costs excluding financial incentives and wash-ups		2,322
18			
19	Operating surplus / (deficit)		39,222
20			
21	less Total depreciation		23,862
22			
23	plus Total revaluations		29,067
24			
25	Regulatory profit / (loss) before tax		44,427
26			
27	less Term credit spread differential allowance		497
28			
29	less Regulatory tax allowance		3,460
30			
31	Regulatory profit/(loss) including financial incentives and wash-ups		40,471
32			
33	3(ii): Pass-through and recoverable costs excluding financial incentives and wash-ups		(\$000)
34	Pass through costs		
35	Rates	1,209	
36	Commerce Act levies	1,040	
37	Industry Levies	73	
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		2,322
43			
44			
45			
46	3(iv): Merger and Acquisition Expenditure		
47		(\$000)	
48	Merger and acquisition expenditure		-
49			
50	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)		
51		(\$000)	
52	3(v): Other Disclosures		
53		(\$000)	
54	Self-insurance allowance		

Company Name	<b>Vector</b>
For Year Ended	<b>30 June 2023</b>

**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 19 (\$000)	RAB 30 Jun 20 (\$000)	RAB 30 Jun 21 (\$000)	RAB 30 Jun 22 (\$000)	RAB 30 Jun 23 (\$000)
<b>Total opening RAB value</b>	406,008	424,028	434,256	451,131	483,088
<i>less</i> Total depreciation	11,433	12,159	12,684	13,555	23,862
<i>plus</i> Total revaluations	6,794	6,156	14,499	32,827	29,067
<i>plus</i> Assets commissioned	22,067	16,315	15,572	13,519	13,479
<i>less</i> Asset disposals	19	48	280	725	101
<i>plus</i> Lost and found assets adjustment	-	-	-	-	-
<i>plus</i> Adjustment resulting from asset allocation	611	(36)	(232)	(109)	(115)
<b>Total closing RAB value</b>	424,028	434,256	451,131	483,088	501,556

**4(ii): Unallocated Regulatory Asset Base**

	Unallocated RAB * (\$000)	RAB (\$000)
<b>Total opening RAB value</b>	512,728	483,088
<i>less</i> Adjustment to opening RAB value	150	
<i>less</i> Total depreciation	36,128	23,862
<i>plus</i> Total revaluations	30,543	29,067
<i>plus</i> Assets commissioned (other than below)	50,580	13,479
Assets acquired from a regulated supplier		
Assets acquired from a related party		
<b>Assets commissioned</b>	50,580	13,479
<i>less</i> Asset disposals (other than below)	224	101
Asset disposals to a regulated supplier		
Asset disposals to a related party		
<b>Asset disposals</b>	224	101
<i>plus</i> Lost and found assets adjustment		
<i>plus</i> Adjustment resulting from asset allocation		(115)
<b>Total closing RAB value</b>	557,350	501,556

\* 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 <sub>t</sub>	1,231
CPI <sub>t-4</sub>	1,161
Revaluation rate (%)	6.03%

	Unallocated RAB * (\$000)	RAB (\$000)
<b>Total opening RAB value</b>	512,728	483,088
<i>less</i> Adjustment to opening RAB value	150	
<i>less</i> Opening value of fully depreciated, disposed and lost assets	5,996	989
<b>Total opening RAB value subject to revaluation</b>	506,582	482,100
<b>Total revaluations</b>	30,543	29,067

**4(iv): Roll Forward of Works Under Construction**

	Unallocated works under construction	Allocated works under construction
<b>Works under construction—preceding disclosure year</b>	11,791	3,092
<i>plus</i> Capital expenditure	54,443	15,021
<i>less</i> Assets commissioned	50,580	13,479
<i>plus</i> Adjustment resulting from asset allocation		-
<b>Works under construction - current disclosure year</b>	15,654	4,634
Highest rate of capitalised finance applied		4.44%

**4(v): Regulatory Depreciation**

	Unallocated RAB * (\$000)	RAB (\$000)
Depreciation - standard	22,179	22,179
Depreciation - no standard life assets	13,949	1,683
Depreciation - modified life assets		
Depreciation - alternative depreciation in accordance with CPP		
<b>Total depreciation</b>	36,128	23,862

(\$000 unless otherwise specified)

**4(vi): Disclosure of Changes to Depreciation Profiles**



Company Name **Vector**  
For Year Ended **30 June 2023**

**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

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
<b>Total opening RAB value</b>	50,213	294,814	9,814	97,523	6,849	5,373	3,095	10,578	4,829	483,088
less Total depreciation	2,524	13,874	562	3,534	458	228	242	756	1,683	23,862
plus Total revaluations	3,010	17,767	592	5,880	411	326	187	635	259	29,067
plus Assets commissioned	457	3,144	-	3,158	736	447	844	915	3,780	13,479
less Asset disposals	-	10	-	11	38	0	-	30	12	101
plus Lost and found assets adjustment	-	-	-	-	-	-	-	-	-	-
plus Adjustment resulting from asset allocation	-	-	-	-	-	-	-	-	(115)	(115)
plus Asset category transfers	-	-	-	-	-	-	-	-	-	-
<b>Total closing RAB value</b>	51,156	301,841	9,844	103,015	7,500	5,917	3,884	11,341	7,058	501,556
<b>Asset Life</b>										
Weighted average remaining asset life	22	23	19	28	16	26	26	17	4	(years)
Weighted average expected total asset life	68	59	60	59	33	58	60	41	10	(years)



Company Name **Vector**  
For Year Ended **30 June 2023**

## 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

### 5a(i): Regulatory Tax Allowance

(\$000)

#### Regulatory profit / (loss) before tax

44,427

- plus* Income not included in regulatory profit / (loss) before tax but taxable  
Expenditure or loss in regulatory profit / (loss) before tax but not deductible  
Amortisation of initial differences in asset values  
Amortisation of revaluations

-	*
579	*
2,445	
4,411	
7,435	

- less* Total revaluations  
Income included in regulatory profit / (loss) before tax but not taxable  
Expenditure or loss deductible but not in regulatory profit / (loss) before tax  
Notional deductible interest

29,067	
-	*
417	*
10,022	
39,506	

#### Regulatory taxable income

12,356

- less* Utilised tax losses  
Regulatory net taxable income

-	
12,356	

Corporate tax rate (%)

28%

#### Regulatory tax allowance

3,460

\* 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)

- Opening unamortised initial differences in asset values  
*less* Amortisation of initial differences in asset values  
*plus* Adjustment for unamortised initial differences in assets acquired  
*less* Adjustment for unamortised initial differences in assets disposed  
Closing unamortised initial differences in asset values

73,354	
2,445	
-	
60	
70,849	

Opening weighted average remaining useful life of relevant assets (years)

30

### 5a(iv): Amortisation of Revaluations

(\$000)

- Opening sum of RAB values without revaluations  
Adjusted depreciation  
Total depreciation  
Amortisation of revaluations

393,067	
19,451	
23,862	
4,411	

### 5a(v): Reconciliation of Tax Losses

(\$000)

- Opening tax losses  
*plus* Current period tax losses  
*less* Utilised tax losses  
Closing tax losses

-	
-	
-	
-	

### 5a(vi): Calculation of Deferred Tax Balance

(\$000)

#### Opening deferred tax

(39,311)

- plus* Tax effect of adjusted depreciation

5,446

Company Name **Vector**  
 For Year Ended **30 June 2023**

## 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

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64	less	Tax effect of tax depreciation	5,486
65			
66	plus	Tax effect of other temporary differences*	483
67			
68	less	Tax effect of amortisation of initial differences in asset values	685
69			
70	plus	Deferred tax balance relating to assets acquired in the disclosure year	-
71			
72	less	Deferred tax balance relating to assets disposed in the disclosure year	15
73			
74	plus	Deferred tax cost allocation adjustment	1
75			
76		<b>Closing deferred tax</b>	<b>(39,566)</b>
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

81				
82				(\$000)
83		<b>Opening sum of regulatory tax asset values</b>	171,411	
84	less	Tax depreciation	19,593	
85	plus	Regulatory tax asset value of assets commissioned	14,490	
86	less	Regulatory tax asset value of asset disposals	78	
87	plus	Lost and found assets adjustment	-	
88	plus	Adjustments resulting from asset allocation	(112)	
89	plus	Other adjustments to the RAB tax value	-	
90		<b>Closing sum of regulatory tax asset values</b>		<b>166,118</b>



Company Name

Vector

For Year Ended

30 June 2023

**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

7	<b>5b(i): Summary—Related Party Transactions</b>	(5000)	(5000)
8	Total regulatory income		2,506
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	542	
18	Operational expenditure		542
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		542
33			
34	Other related party transactions		—
35	<b>5b(iii): Total Opex and Capex Related Party Transactions</b>		
36			
37	<b>Name of related party</b>	<b>Nature of opex or capex service provided</b>	<b>Total value of transactions (\$000)</b>
38	Vector Communications Limited	System operations and network support	78
39	Vector Technology Solutions Limited	System operations and network support	464
40			
41			
42			
43			
44			
45			
46			
47			
48			
49			
50			
51			
52	<b>Total value of related party transactions</b>		542
53	* include additional rows if needed		
54			

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: \$78k

## 2) Vector Technology Solutions Limited

- Relationship: a wholly owned subsidiary of Vector Limited
- Principal activities: digital and technology services
- Opex: \$464k

## 3) Vector Gas Trading Limited:

- Relationship: a wholly owned subsidiary of Vector Limited
- Principal activities: gas distribution services
- Income: \$2,506k



Company Name **Vector**  
For Year Ended **30 June 2023**

**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	Debt issue cost readjustment
[ ]VCI	13-Jan-20	20-Dec-19	5	BKBM + [ ]VCI				
[ ]VCI	1-Jul-21	28-Jun-21	5	BKBM + [ ]VCI				
[ ]VCI	1-Jul-21	28-Jun-21	5	BKBM + [ ]VCI				
[ ]VCI	30-Jul-21	29-Jul-21	3	BKBM + [ ]VCI				
[ ]VCI	30-Jul-21	29-Jul-21	3	BKBM + [ ]VCI				
[ ]VCI	30-Jul-21	29-Jul-21	3	BKBM + [ ]VCI				
[ ]VCI	16-Sep-22	29-Jul-21	3	BKBM + [ ]VCI				
<b>Subtotal of bank facilities- variable rate</b>					-	(565)	[ ]VCI	[ ]VCI
<b>Capital bonds - fixed rate</b>	<b>15-Jun-22</b>	<b>14-Jun-22</b>	<b>5</b>	<b>6.23</b>	<b>307,205</b>	<b>305,730</b>	<b>[ ]VCI</b>	<b>[ ]VCI</b>
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
Wholesale Bonds- fixed rate Oct20	6-Oct-20	1-Oct-20	6	1.575	170,000		[ ]VCI	[ ]VCI
<b>Subtotal of wholesale bonds- variable rate</b>					<b>410,000</b>	<b>410,443</b>	<b>[ ]VCI</b>	<b>[ ]VCI</b>
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 - 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
<b>Subtotal of senior notes - USD fixed rate</b>					<b>1,212,867</b>	<b>1,083,645</b>	<b>[ ]VCI</b>	<b>[ ]VCI</b>
Unsubordinated bond May 19	27-May-19	16-May-19	6	3.45	250,000		[ ]VCI	[ ]VCI
Unsubordinated bond Nov 21	26-Nov-21	18-Nov-21	6	3.69	225,000		[ ]VCI	[ ]VCI
<b>Unsubordinated bond</b>					<b>475,000</b>	<b>469,649</b>	<b>[ ]VCI</b>	<b>[ ]VCI</b>
* include additional rows if needed						2,268,902	[ ]VCI	[ ]VCI

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

Gross term credit spread differential	5,450
Total book value of interest bearing debt	2,268,902
Leverage	42%
Average opening and closing RAB values	492,322
Attribution Rate (%)	9%
Term credit spread differential allowance	497



Company Name **Vector**  
For Year Ended **30 June 2023**

**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)
<b>Service interruptions, incidents and emergencies</b>					
Directly attributable		2,543			
Not directly attributable					
<b>Total attributable to regulated service</b>		2,543			
<b>Routine and corrective maintenance and inspection</b>					
Directly attributable		3,747			
Not directly attributable					
<b>Total attributable to regulated service</b>		3,747			
<b>Asset replacement and renewal</b>					
Directly attributable					
Not directly attributable					
<b>Total attributable to regulated service</b>					
<b>System operations and network support</b>					
Directly attributable		2,325			
Not directly attributable		1,037	8,402	9,439	
<b>Total attributable to regulated service</b>		3,362			
<b>Business support</b>					
Directly attributable		326			
Not directly attributable		6,197	62,784	68,981	
<b>Total attributable to regulated service</b>		6,523			
<b>Operating costs directly attributable</b>		8,941			
<b>Operating costs not directly attributable</b>		7,234	71,186	78,420	
<b>Operational expenditure</b>		16,175			

**5d(ii): Other Cost Allocations**

		Value allocated (\$000s)			
	Arm's length deduction	Gas distribution services	Non-gas distribution services	Total	OVABAA allocation increase (\$000s)
<b>Pass through and recoverable costs</b>					
<b>Pass through costs</b>					
Directly attributable		2,322			
Not directly attributable					
<b>Total attributable to regulated service</b>		2,322			
<b>Recoverable costs</b>					
Directly attributable					
Not directly attributable					
<b>Total attributable to regulated service</b>					

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

		(\$000)		
			CY-1	Current Year (CY)
<b>Change in cost allocation 1</b>				
Cost category		Original allocation		
Original allocator or line items		New allocation		
New allocator or line items		Difference		
Rationale for change				
<b>Change in cost allocation 2</b>				
Cost category		Original allocation		
Original allocator or line items		New allocation		
New allocator or line items		Difference		
Rationale for change				
<b>Change in cost allocation 3</b>				
Cost category		Original allocation		
Original allocator or line items		New allocation		
New allocator or line items		Difference		
Rationale for change				

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

† include additional rows if needed



Company Name

Vector

For Year Ended

30 June 2023

**SCHEDULE 5e: REPORT ON ASSET ALLOCATIONS**

This schedule requires information on the allocation of asset values. This information supports the calculation of the RAB value in Schedule 4. GDBs must provide explanatory comment on their cost allocation in Schedule 14 (Mandatory Explanatory Notes), including on the impact of any changes in asset allocations. This information is part of audited disclosure information (as defined in section 1.4 of the ID determination), and so is subject to the assurance report required by section 2.8.

sch ref

**5e(i): Regulated Service Asset Values**

	Value allocated (\$000s) Gas distribution services
<b>Main pipe</b>	
Directly attributable	362,841
Not directly attributable	-
<b>Total attributable to regulated service</b>	362,841
<b>Service pipe</b>	
Directly attributable	103,015
Not directly attributable	-
<b>Total attributable to regulated service</b>	103,015
<b>Stations</b>	
Directly attributable	7,500
Not directly attributable	-
<b>Total attributable to regulated service</b>	7,500
<b>Line valve</b>	
Directly attributable	5,917
Not directly attributable	-
<b>Total attributable to regulated service</b>	5,917
<b>Special crossings</b>	
Directly attributable	3,884
Not directly attributable	-
<b>Total attributable to regulated service</b>	3,884
<b>Other network assets</b>	
Directly attributable	11,341
Not directly attributable	-
<b>Total attributable to regulated service</b>	11,341
<b>Non-network assets</b>	
Directly attributable	1,285
Not directly attributable	5,773
<b>Total attributable to regulated service</b>	7,058
<b>Regulated service asset value directly attributable</b>	495,783
<b>Regulated service asset value not directly attributable</b>	5,773
<b>Total closing RAB value</b>	501,556

**5e(ii): Changes in Asset Allocations\* †****Change in asset value allocation 1**

(\$000)

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

**Change in asset value allocation 2**

(\$000)

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

**Change in asset value allocation 3**

(\$000)

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

component.

† include additional rows if needed

Company Name **Vector**  
For Year Ended **30 June 2023**

**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

7	<b>6a(i): Expenditure on Assets</b>	(\$000)	(\$000)
8	Consumer connection		14,978
9	System growth		803
10	Asset replacement and renewal		4,589
11	Asset relocations		1,225
12	Reliability, safety and environment:		
13	Quality of supply	-	
14	Legislative and regulatory	-	
15	Other reliability, safety and environment	236	
16	<b>Total reliability, safety and environment</b>		236
17	<b>Expenditure on network assets</b>		21,831
18	Expenditure on non-network assets		4,122
19			
20	<b>Expenditure on assets</b>		25,953
21	plus Cost of financing		(41)
22	less Value of capital contributions		10,891
23	plus Value of vested assets		-
24			
25	<b>Capital expenditure</b>		15,021
26	<b>6a(ii): Subcomponents of Expenditure on Assets (where known)</b>		(\$000)
27	Research and development		-
28	<b>6a(iii): Consumer Connection</b>		
29	Consumer types defined by GDB*	(\$000)	(\$000)
30	Mains Extensions/Subdivisions	3,823	
31	Service Connections - Residential	10,468	
32	Service Connections - Commercial	687	
33			
34			
35	* include additional rows if needed		
36	<b>Consumer connection expenditure</b>		14,978
37			
38	less Capital contributions funding consumer connection expenditure	8,755	
39	<b>Consumer connection less capital contributions</b>		6,223
40			
41	<b>6a(iv): System Growth and Asset Replacement and Renewal</b>		
42		System Growth	Asset Replacement and Renewal
43		(\$000)	(\$000)
44	<b>Intermediate pressure</b>		
45	Main pipe		908
46	Service pipe	-	-
47	Stations	209	573
48	Line valve	-	-
49	Special crossings	-	702
50	<b>Intermediate pressure -total</b>	209	2,183
51	<b>Medium pressure</b>		
52	Main pipe	594	1,337
53	Service pipe	-	521
54	Stations	-	61
55	Line valve	-	308
56	Special crossings	-	-
57	<b>Medium pressure - total</b>	594	2,227
58	<b>Low pressure</b>		
59	Main pipe	-	-
60	Service pipe	-	-
61	Line valve	-	-
62	Special crossings	-	-
63	<b>Low pressure - total</b>	-	-
64	<b>Other network assets</b>		
65	Monitoring and control systems		80
66	Cathodic protection systems		99
67	Other assets (other than above)		-
68	<b>Other network assets - total</b>		179
69			
70	<b>System growth and asset replacement and renewal expenditure</b>	803	4,589
71	less Capital contributions funding system growth and asset replacement and renewal	1,036	
72	<b>System growth and asset replacement and renewal less capital contributions</b>	(233)	4,589
73	<b>6a(v): Asset Relocations</b>		
74	Project or programme*	(\$000)	(\$000)
75			
76			
77			
78			
79			
80	* include additional rows if needed		
81	<b>All other projects or programmes - asset relocations</b>	1,225	





Company Name **Vector**  
For Year Ended **30 June 2023**

**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	<b>Asset relocations expenditure</b>			1,225
83	less Capital contributions funding asset relocations	1,100		
84	<b>Asset relocations less capital contributions</b>			125
85	<b>6a(vi): Quality of Supply</b>			
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	<b>Quality of supply expenditure</b>			
95	less Capital contributions funding quality of supply			
96	<b>Quality of supply less capital contributions</b>			
97				
98	<b>6a(vii): Legislative and Regulatory</b>			
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			
107	<b>Legislative and regulatory expenditure</b>			
108	less Capital contributions funding legislative and regulatory			
109	<b>Legislative and regulatory less capital contributions</b>			
110				
111	<b>6a(viii): Other Reliability, Safety and Environment</b>			
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	236		
120	<b>Other reliability, safety and environment expenditure</b>			236
121	less Capital contributions funding other reliability, safety and environment			
122	<b>Other reliability, safety and environment less capital contributions</b>			236
123	<b>6a(ix): Non-Network Assets</b>			
124	<b>Routine expenditure</b>			
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	2,894		
133	<b>Routine expenditure</b>			2,894
134	<b>Atypical expenditure</b>			
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	1,228		
143	<b>Atypical expenditure</b>			1,228
144				
145	<b>Expenditure on non-network assets</b>			4,122



Company Name

Vector

For Year Ended

30 June 2023

**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	<b>6b(i): Operational Expenditure</b>		
8	Service interruptions, incidents and emergencies	2,543	
9	Routine and corrective maintenance and inspection	3,747	
10	Asset replacement and renewal	-	
11	<b>Network opex</b>		6,290
12	System operations and network support	3,362	
13	Business support	6,523	
14	<b>Non-network opex</b>		9,885
15			
16	<b>Operational expenditure</b>		16,175
17	<b>6b(ii): Subcomponents of Operational Expenditure (where known)</b>		
18	Research and development		-
19	Insurance		418



Company Name

Vector

For Year Ended

30 June 2023

**SCHEDULE 7: COMPARISON OF FORECASTS TO ACTUAL EXPENDITURE**

This schedule compares actual revenue and expenditure to the previous forecasts that were made for the disclosure year. Accordingly, this schedule requires the forecast revenue and expenditure information from previous disclosures to be inserted.

GDBs must provide explanatory comment on the variance between actual and target revenue and forecast expenditure in Schedule 14 (Mandatory Explanatory Notes). This information is part of the audited disclosure information (as defined in section 1.4 of the ID determination), and so is subject to the assurance report required by section 2.8. For the purpose of this audit, target revenue and forecast expenditures only need to be verified back to previous disclosures.

sch ref

8	<b>7(i): Revenue</b>	<b>Target (\$000) <sup>1</sup></b>	<b>Actual (\$000)</b>	<b>% variance</b>
9	Line charge revenue	58,700	57,808	(2%)
10	<b>7(ii): Expenditure on Assets</b>	<b>Forecast (\$000) <sup>2</sup></b>	<b>Actual (\$000)</b>	<b>% variance</b>
11	Consumer connection	14,096	14,978	6%
12	System growth	1,350	803	(41%)
13	Asset replacement and renewal	3,715	4,589	24%
14	Asset relocations	3,427	1,225	(64%)
15	Reliability, safety and environment:			
16	Quality of supply	316	-	(100%)
17	Legislative and regulatory	-	-	-
18	Other reliability, safety and environment	556	236	(58%)
19	<b>Total reliability, safety and environment</b>	872	236	(73%)
20	<b>Expenditure on network assets</b>	23,460	21,831	(7%)
21	Expenditure on non-network assets	5,535	4,122	(26%)
22	<b>Expenditure on assets</b>	28,995	25,953	(10%)
23	<b>7(iii): Operational Expenditure</b>			
24	Service interruptions, incidents and emergencies	2,377	2,543	7%
25	Routine and corrective maintenance and inspection	3,676	3,747	2%
26	Asset replacement and renewal	-	-	-
27	<b>Network opex</b>	6,053	6,290	4%
28	System operations and network support	3,760	3,362	(11%)
29	Business support	5,615	6,523	16%
30	<b>Non-network opex</b>	9,375	9,885	5%
31	<b>Operational expenditure</b>	15,428	16,175	5%
32	<b>7(iv): Subcomponents of Expenditure on Assets (where known)</b>			
33	Research and development	N/A	-	-
34	<b>7(v): Subcomponents of Operational Expenditure (where known)</b>			
35	Research and development	-	-	-
36	Insurance	354	418	18%

<sup>1</sup> From the nominal dollar target revenue for the pricing year disclosed under clause 2.4.3(3) of this determination

<sup>2</sup> 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 2023

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.

sch ref

**8(i): Billed quantities by price component**

Price component

**Billed quantities by price component**

Add extra columns  
for additional  
billed quantities  
by price  
component as  
necessary

Unit charging  
basis (eg, days,  
GJ, etc.)

Consumer group name or price category code	Consumer type or types (eg, residential, commercial, etc.)	Standard or non-standard consumer group (specify)	Average no. of ICPs in disclosure year	Quantity of gas delivered (TJ)
GA0R	Residential	Standard	112,662	2,387
GA01	Commercial	Standard	2,228	237
GA02	Commercial	Standard	2,800	897
GA03	Commercial	Standard	1,024	2,012
GA04	Commercial	Standard	158	1,929
GA05	Commercial	Standard	26	3,603
Non-standard	Commercial	Non-standard	14	2,354

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

Standard consumer totals	118,898	11,064
Non-standard consumer totals	14	2,354
<b>Total for all consumers</b>	<b>118,912</b>	<b>13,418</b>

Fixed	Variable			
Days	kWh			

41,107,926	662,976,553			
813,703	65,715,280			
1,022,527	249,213,851			
373,404	558,757,318			
57,815	535,834,073			
9,490	1,000,830,515			
5,110	653,796,370			

43,384,865	3,073,327,590	-	-	-
5,110	653,796,370	-	-	-
43,389,975	3,727,123,960	-	-	-

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

Price component

**Line charge revenues (\$000) by price component**

Add extra columns  
for additional line  
charge revenues  
by price  
component as  
necessary

Rate (eg, \$ per  
day, \$ per GJ,  
etc.)

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)
GA0R	Residential	Standard	\$34,614	
GA01	Commercial	Standard	\$1,597	
GA02	Commercial	Standard	\$4,488	
GA03	Commercial	Standard	\$7,521	
GA04	Commercial	Standard	\$4,470	
GA05	Commercial	Standard	\$3,748	
Non-standard	Commercial	Non-standard	\$1,370	
			-	
			-	
			-	
			-	
			-	
			-	

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

Standard consumer totals	\$56,438	-
Non-standard consumer totals	\$1,370	-
<b>Total for all consumers</b>	<b>\$57,808</b>	-

Fixed	Variable			
\$/Day	\$/kWh			

\$25,542	\$9,072			
\$675	\$922			
\$1,526	\$2,962			
\$2,460	\$5,061			
\$1,206	\$3,264			
\$2,446	\$1,302			
\$1,158	\$212			

\$33,855	\$22,583	-	-	-
\$1,158	\$212	-	-	-
\$35,013	\$22,795	-	-	-

Company Name

Vector

For Year Ended

30 June 2023

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

					Items at start of year (quantity)	Items at end of year (quantity)	Net change	Data accuracy (1-4)
8	Operating Pressure	Asset Category	Asset Class	Units				
9	Intermediate Pressure	Main pipe	IP PE main pipe	km	-	-	-	N/A
10	Intermediate Pressure	Main pipe	IP steel main pipe	km	239	239	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	5	5	(0)	3
14	Intermediate Pressure	Service pipe	IP other service pipe	km	-	-	-	N/A
15	Intermediate Pressure	Stations	Intermediate pressure DRS	No.	94	91	(3)	4
16	Intermediate Pressure	Line valve	IP line valves	No.	641	650	9	3
17	Intermediate Pressure	Special crossings	IP crossings	No.	19	20	1	4
18	Medium Pressure	Main pipe	MP PE main pipe	km	4,172	4,203	31	4
19	Medium Pressure	Main pipe	MP steel main pipe	km	210	209	(1)	4
20	Medium Pressure	Main pipe	MP other main pipe	km	0	-	(0)	4
21	Medium Pressure	Service pipe	MP PE service pipe	km	2,303	2,318	15	4
22	Medium Pressure	Service pipe	MP steel service pipe	km	23	23	(0)	3
23	Medium Pressure	Service pipe	MP other service pipe	km	3	3	(0)	4
24	Medium Pressure	Stations	Medium pressure DRS	No.	100	90	(10)	3
25	Medium Pressure	Line valve	MP line valves	No.	2,853	2,889	36	3
26	Medium Pressure	Special crossings	MP special crossings	No.	71	102	31	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)	3
32	Low Pressure	Service pipe	LP other service pipe	km	-	-	-	N/A
33	Low Pressure	Line valve	LP line valves	No.	2	3	1	4
34	Low Pressure	Special crossings	LP special crossings	No.	-	-	-	N/A
35	All	Monitoring and control systems	Remote terminal units	No.	80	80	-	3
36	All	Cathodic protection systems	Cathodic protection	No.	21	21	-	4

Company Name

Vector

For Year Ended

30 June 2023

**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.

[illegible]

Company Name

Vector

For Year Ended

30 June 2023

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	476	6.80%
PE	6,522	93.15%
Other	3	0.05%
		-
		-
<b>System length</b>	<b>7,001</b>	<b>100.00%</b>

By operating pressure:

Intermediate pressure

Medium pressure

Low pressure

**Total**

Weighted average

System length  
(km) (at year end)pipe diameter  
(mm)Number of ICPs  
(at year end)Gas conveyed for  
Persons not  
involved in the  
GDB (TJ)

244	164	178	2,460
6,756	38	119,170	8,514
1	42	283	11
<b>7,001</b>	<b>43</b>	<b>119,631</b>	<b>10,986</b>

Company Name

Vector

For Year Ended

30 June 2023

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

8

9

**9d(i): Consumer Connections**

Number of ICPs connected in year by consumer type

10

11

12

Consumer types defined by GDB

Number of  
connections (ICPs)

13

Residential

2,636

14

Commerical

55

15

16

17

18

Total

2,691

19

**9d(ii): Gas Delivered**

20

21

Number of ICPs at year end

119,631

connections

22

Maximum daily load

52,710

(GJ per day)

23

Maximum monthly load

1,379,266

(GJ per month)

24

Number of directly billed ICPs

-

(at year end)

25

Total gas conveyed

13,588,251

(GJ per annum)

26

Average daily delivery

37,228

(GJ per day)

27

28

Load factor

82.10%



Company Name	Vector
For Year Ended	30 June 2023
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

**10a(i): Interruptions****Interruptions by class**

	Actual
Class A (planned interruptions by GTB)	-
Class B (planned interruptions on the network)	501
Class C (unplanned interruptions on the network)	21
Class D (unplanned interruptions by GTB)	-
Class I (unplanned interruptions caused by third party damage)	131
<b>Total</b>	<b>653</b>

	Actual
Number of unplanned outage events (interruptions that affect more than 5 ICPs)	
Vector network	4

	Actual
Number of unplanned outage events caused by third party damage (interruptions that affect more than 5 ICPs)	
Vector network	2

**10a(ii): Reliability****Overall reliability**

	SAIDI	SAIFI	CAIDI
Based on the total number of interruptions	781	6.75	116
Class I (unplanned interruptions caused by third party damage)	193	1.53	126

	SAIDI	SAIFI	CAIDI
Class B (planned interruptions on the network)			
Vector network	418	4.86	86
			-
			-
			-
			-

	SAIDI	SAIFI	CAIDI
Class C (unplanned interruptions on the network)			
Vector network	170	0.35	480
			-
			-
			-
			-



Company Name

Vector

For Year Ended

30 June 2023

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

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

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

Actual

Vector Network	17.71

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

Actual

Vector network	4.29

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

Actual

Vector network	36.14

Number of poor pressure events due to network causes

Actual

Vector network	7.00

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	78.85%

Product control—safety of distribution gas

Actual

Number of non-compliant odour tests

-
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**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

Vector network	97.70%	100.00%	0.65	87

Number of complaints

Actual

Number of complaints per average total consumer numbers

0.0008
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