



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

Company Name	<input type="text" value="Vector"/>
Disclosure Date	<input type="text" value="14 December 2021"/>
Disclosure Year (year ended)	<input type="text" value="30 June 2021"/>

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 existing columns.

**Disclosures by Sub-Network**

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

**Schedule References**

The references labelled 'sch ref' in the leftmost column of each template are consistent with the row references in the Gas Distribution ID Determination 2012 (as issued on 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 2021**

## 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)
Operational expenditure	961	115	9	1,952
Network	385	46	4	781
Non-network	576	69	5	1,171
Expenditure on assets	2,003	241	18	4,070
Network	1,925	231	18	3,912
Non-network	78	9	1	158

### 17 1(ii): Revenue Metrics

	Revenue per TJ energy delivered to ICPs (\$/TJ)	Revenue per average no. of ICPs (\$/ICP)
Total line charge revenue	3,513	422
Standard consumer line charge revenue	4,236	408
Non-standard consumer line charge revenue	604	98,059

### 23 1(iii): Service Intensity Measures

Demand density	221	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	120	Total GJ delivered to ICPs per average number of ICPs in disclosure year

### 30 1(iv): Composition of Revenue Requirement

	(\$000)	% of revenue
Operational expenditure	13,323	27.50%
Pass-through and recoverable costs excluding financial incentives and wash-ups	1,922	3.97%
Total depreciation	12,684	26.18%
Total revaluations	14,499	29.93%
Regulatory tax allowance	5,704	11.77%
Regulatory profit/(loss) including financial incentives and wash-ups	28,913	59.69%
<b>Total regulatory income</b>	<b>48,442</b>	

### 40 1(v): Reliability

Interruption rate	9.08	Interruptions per 100km of system length
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Company Name **Vector**  
 For Year Ended **30 June 2021**

**SCHEDULE 2: REPORT ON RETURN ON INVESTMENT**

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

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

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

sch ref

2(i): Return on Investment		CY-2	CY-1	Current Year CY
for year ended		30 Jun 19	30 Jun 20	30 Jun 21
		%	%	%
<b>ROI – comparable to a post tax WACC</b>				
7	Reflecting all revenue earned	5.45%	5.01%	7.01%
10	Excluding revenue earned from financial incentives	5.45%	5.01%	7.01%
11	Excluding revenue earned from financial incentives and wash-ups	5.45%	5.05%	7.05%
12				
13				
<b>Mid-point estimate of post tax WACC</b>				
14	25th percentile estimate	4.36%	3.69%	2.94%
15	75th percentile estimate	5.77%	5.11%	4.35%
16				
17				
18				
<b>ROI – comparable to a vanilla WACC</b>				
19	Reflecting all revenue earned	5.95%	5.40%	7.27%
20	Excluding revenue earned from financial incentives	5.95%	5.40%	7.27%
21	Excluding revenue earned from financial incentives and wash-ups	5.95%	5.43%	7.30%
22				
23				
<b>WACC rate used to set regulatory price path</b>				
24		6.41%	6.41%	6.41%
25				
<b>Mid-point estimate of vanilla WACC</b>				
26	25th percentile estimate	4.85%	4.08%	3.20%
27	75th percentile estimate	6.27%	5.50%	4.61%
28				
29				
<b>2(ii): Information Supporting the ROI</b>				
				(\$000)
30				
31				
32	Total opening RAB value	434,256		
33	plus Opening deferred tax	(33,959)		
34	<b>Opening RIV</b>		400,297	
35				
36	<b>Line charge revenue</b>		48,722	
37				
38	Expenses cash outflow	15,245		
39	plus Assets commissioned	15,572		
40	less Asset disposals	280		
41	plus Tax payments	3,413		
42	less Other regulated income	(280)		
43	<b>Mid-year net cash flows</b>		34,231	
44				
45	<b>Term credit spread differential allowance</b>		395	
46				
47	Total closing RAB value	451,131		
48	less Adjustment resulting from asset allocation	(232)		
49	less Lost and found assets adjustment	-		
50	plus Closing deferred tax	(36,250)		
51	<b>Closing RIV</b>		415,114	
52				
53	<b>ROI – comparable to a vanilla WACC</b>			7.27%
54				
55	Leverage (%)			42%
56	Cost of debt assumption (%)			2.20%
57	Corporate tax rate (%)			28%
58				
59	<b>ROI – comparable to a post tax WACC</b>			7.01%
60				



Company Name **Vector**  
 For Year Ended **30 June 2021**

**SCHEDULE 2: REPORT ON RETURN ON INVESTMENT**

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

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sch ref

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

		(\$'000)				
	Line charge revenue	Expenses cash outflow	Assets commissioned	Asset disposals	Other regulated income	Monthly net cash outflows
61	Opening RIV					N/A
62						
63						
64						
65						
66						
67	Month 1					-
68	Month 2					-
69	Month 3					-
70	Month 4					-
71	Month 5					-
72	Month 6					-
73	Month 7					-
74	Month 8					-
75	Month 9					-
76	Month 10					-
77	Month 11					-
78	Month 12					-
79	<b>Total</b>					-
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	7.13%
95		
96	Year-end ROI – comparable to a post tax WACC	6.87%
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**

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	(185)
110	Other wash-ups	-
111	<b>Wash-up costs</b>	<b>(185)</b>
112		
113	Impact of wash-up costs on ROIs	(0.03%)



Company Name **Vector**  
 For Year Ended **30 June 2021**

### SCHEDULE 3: REPORT ON REGULATORY PROFIT

This schedule requires information on the calculation of regulatory profit for the GDB for the disclosure year. GDBs must complete all sections and must provide explanatory comment on their regulatory profit in Schedule 14 (Mandatory Explanatory Notes).

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

sch ref

7	<b>3(i): Regulatory Profit</b>		<b>(\$000)</b>
8	<b>Income</b>		
9	Line charge revenue		48,722
10	plus Gains / (losses) on asset disposals		(280)
11	plus Other regulated income (other than gains / (losses) on asset disposals)		-
12			
13	<b>Total regulatory income</b>		<b>48,442</b>
14	<b>Expenses</b>		
15	less Operational expenditure		13,323
16			
17	less Pass-through and recoverable costs excluding financial incentives and wash-ups		1,922
18			
19	<b>Operating surplus / (deficit)</b>		<b>33,197</b>
20			
21	less Total depreciation		12,684
22			
23	plus Total revaluations		14,499
24			
25	<b>Regulatory profit / (loss) before tax</b>		<b>35,012</b>
26			
27	less Term credit spread differential allowance		395
28			
29	less Regulatory tax allowance		5,704
30			
31	<b>Regulatory profit/(loss) including financial incentives and wash-ups</b>		<b>28,913</b>
32			
33	<b>3(ii): Pass-through and recoverable costs excluding financial incentives and wash-ups</b>		<b>(\$000)</b>
34	<b>Pass through costs</b>		
35	Rates	1,495	
36	Commerce Act levies	359	
37	Industry Levies	68	
38	CPP specified pass through costs	-	
39	<b>Recoverable costs excluding financial incentives and wash-ups</b>		
40	Urgent project allowance	-	
41	Other recoverable costs excluding financial incentives and wash-ups	-	
42	<b>Pass-through and recoverable costs excluding financial incentives and wash-ups</b>		<b>1,922</b>
43			
44			
45			
46	<b>3(iv): Merger and Acquisition Expenditure</b>		
47			<b>(\$000)</b>
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			<b>(\$000)</b>
52	<b>3(v): Other Disclosures</b>		
53			<b>(\$000)</b>
54	Self-insurance allowance		-

Company Name **Vector**  
For Year Ended **30 June 2021**

**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 17 (\$000)	RAB 30 Jun 18 (\$000)	RAB 30 Jun 19 (\$000)	RAB 30 Jun 20 (\$000)	RAB 30 Jun 21 (\$000)
Total opening RAB value	375,662	390,463	406,008	424,028	434,256
less Total depreciation	10,338	10,995	11,433	12,159	12,684
plus Total revaluations	6,542	5,853	6,794	6,156	14,499
plus Assets commissioned	18,700	20,708	22,067	16,315	15,572
less Asset disposals	107	43	19	48	280
plus Lost and found assets adjustment	-	-	-	-	-
plus Adjustment resulting from asset allocation	4	22	611	(36)	(232)
<b>Total closing RAB value</b>	<b>390,463</b>	<b>406,008</b>	<b>424,028</b>	<b>434,256</b>	<b>451,131</b>

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

	Unallocated RAB * (\$000)	RAB (\$000)
Total opening RAB value	477,580	434,256
less Total depreciation	25,500	12,684
plus Total revaluations	15,799	14,499
plus Assets commissioned (other than below)	21,697	15,572
Assets acquired from a regulated supplier		
Assets acquired from a related party		
<b>Assets commissioned</b>	<b>21,697</b>	<b>15,572</b>
less Asset disposals (other than below)	2,469	280
Asset disposals to a regulated supplier		
Asset disposals to a related party		
<b>Asset disposals</b>	<b>2,469</b>	<b>280</b>
plus Lost and found assets adjustment	-	-
plus Adjustment resulting from asset allocation	-	(232)
<b>Total closing RAB value</b>	<b>487,107</b>	<b>451,131</b>

\* 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>	1.082
CPI <sub>t-1</sub>	1.047
Revaluation rate (%)	3.34%

  

	Unallocated RAB * (\$000)	RAB (\$000)
Total opening RAB value	477,580	434,256
less Opening value of fully depreciated, disposed and lost assets	4,796	360
Total opening RAB value subject to revaluation	472,784	433,896
<b>Total revaluations</b>	<b>15,799</b>	<b>14,499</b>

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

	Unallocated works under construction	Allocated works under construction
Works under construction—preceding disclosure year	5,731	2,500
plus Capital expenditure	27,200	17,611
less Assets commissioned	21,697	15,572
plus Adjustment resulting from asset allocation		
<b>Works under construction - current disclosure year</b>	<b>11,234</b>	<b>4,539</b>
Highest rate of capitalised finance applied		4.21%

**4(v): Regulatory Depreciation**

	Unallocated RAB * (\$000)	RAB (\$000)
Depreciation - standard	11,067	11,067
Depreciation - no standard life assets	14,433	1,617
Depreciation - modified life assets		
Depreciation - alternative depreciation in accordance with CPP		
<b>Total depreciation</b>	<b>25,500</b>	<b>12,684</b>

(\$000 unless otherwise specified)

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

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

\* include additional rows if needed

**4(vii): Disclosure by Asset Category**

(\$000 unless otherwise specified)

	Intermediate pressure main pipelines	Medium pressure main pipelines	Low pressure main pipelines	Service pipe	Stations	Line valve	Special crossings	Other network assets	Non-network assets	Total
Total opening RAB value	46,962	266,713	9,436	83,375	5,586	4,369	871	10,581	6,363	434,256
less Total depreciation	1,384	6,769	309	1,619	249	145	18	573	1,618	12,684
plus Total revaluations	1,561	8,911	316	2,791	186	147	29	355	203	14,499





Company Name **Vector**  
 For Year Ended **30 June 2021**

**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												
102	plus	Assets commissioned	7,737	1	5,499	223	169		1,187	756	15,572	
103	less	Asset disposals	-	-	6	20	-	-	25	229	280	
104	plus	Lost and found assets adjustment	-	-	-	-	-	-	-	-	-	
105	plus	Adjustment resulting from asset allocation	-	-	-	-	-	-	-	(232)	(232)	
106	plus	Asset category transfers	-	-	-	-	-	-	-	-	-	
107		<b>Total closing RAB value</b>	<b>47,139</b>	<b>276,592</b>	<b>9,444</b>	<b>90,040</b>	<b>5,726</b>	<b>4,540</b>	<b>882</b>	<b>11,525</b>	<b>5,243</b>	<b>451,131</b>
108												
109		<b>Asset Life</b>										
110		Weighted average remaining asset life	40	43	36	53	25	46	50	28	7	(years)
111		Weighted average expected total asset life	70	60	60	60	34	60	61	44	13	(years)



Company Name **Vector**  
 For Year Ended **30 June 2021**

**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	<b>5a(i): Regulatory Tax Allowance</b>	
8	<b>Regulatory profit / (loss) before tax</b>	35,012
9		
10	<i>plus</i> Income not included in regulatory profit / (loss) before tax but taxable	-
11	Expenditure or loss in regulatory profit / (loss) before tax but not deductible	570
12	Amortisation of initial differences in asset values	2,452
13	Amortisation of revaluations	1,337
14		4,359
15		
16	<i>less</i> Total revaluations	14,499
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	451
19	Notional deductible interest	4,049
20		18,999
21		
22	<b>Regulatory taxable income</b>	20,371
23		
24	<i>less</i> Utilised tax losses	-
25	Regulatory net taxable income	20,371
26		
27	Corporate tax rate (%)	28%
28	<b>Regulatory tax allowance</b>	5,704

\* Workings to be provided in Schedule 14

**5a(ii): Disclosure of Permanent Differences**

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

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

(\$000)

36	Opening unamortised initial differences in asset values	78,475
37	<i>less</i> Amortisation of initial differences in asset values	2,452
38	<i>plus</i> Adjustment for unamortised initial differences in assets acquired	-
39	<i>less</i> Adjustment for unamortised initial differences in assets disposed	109
40	Closing unamortised initial differences in asset values	75,914
41		
42	Opening weighted average remaining useful life of relevant assets (years)	32

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

(\$000)

46	Opening sum of RAB values without revaluations	387,877
47		
48	Adjusted depreciation	11,347
49	Total depreciation	12,684
50	Amortisation of revaluations	1,337

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

(\$000)

54	<b>Opening tax losses</b>	-
55	<i>plus</i> Current period tax losses	-
56	<i>less</i> Utilised tax losses	-
57	<b>Closing tax losses</b>	-

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

(\$000)

60	<b>Opening deferred tax</b>	(33,959)
61		
62	<i>plus</i> Tax effect of adjusted depreciation	3,177
63		
64	<i>less</i> Tax effect of tax depreciation	5,179
65		
66	<i>plus</i> Tax effect of other temporary differences*	337
67		
68	<i>less</i> Tax effect of amortisation of initial differences in asset values	687



Company Name **Vector**  
 For Year Ended **30 June 2021**

**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	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	(23)
73			
74	plus	Deferred tax cost allocation adjustment	38
75			
76		<b>Closing deferred tax</b>	<b>(36,250)</b>
77			
78		<b>5a(vii): Disclosure of Temporary Differences</b>	
79		<i>In Schedule 14, Box 6, provide descriptions and workings of items recorded in the asterisked category in Schedule 5a(vi) (Tax effect of other temporary differences).</i>	
80			
81		<b>5a(viii): Regulatory Tax Asset Base Roll-Forward</b>	
82			(\$000)
83		<b>Opening sum of regulatory tax asset values</b>	<b>178,920</b>
84	less	Tax depreciation	18,496
85	plus	Regulatory tax asset value of assets commissioned	15,212
86	less	Regulatory tax asset value of asset disposals	76
87	plus	Lost and found assets adjustment	-
88	plus	Adjustments resulting from asset allocation	(97)
89	plus	Other adjustments to the RAB tax value	-
90		<b>Closing sum of regulatory tax asset values</b>	<b>175,463</b>



Company Name **Vector**  
 For Year Ended **30 June 2021**

**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

5b(i): Summary—Related Party Transactions		(\$000)	(\$000)
7			
8	Total regulatory income		2,419
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	<b>Network opex</b>		-
16	Business support	-	
17	System operations and network support	538	
18	<b>Operational expenditure</b>		538
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	<b>Expenditure on non-network assets</b>		-
27	<b>Expenditure on assets</b>		-
28	Cost of financing	-	
29	Value of capital contributions	-	
30	Value of vested assets	-	
31	<b>Capital expenditure</b>		-
32	<b>Total expenditure</b>		538
33			
34	Other related party transactions		-
35	<b>5b(iii): Total Opex and Capex Related Party Transactions</b>		
36			Total value of transactions (\$000)
37	Vector Communications Limited	System operations and network support	71
38	Vector Technology Services Limited	System operations and network support	467
39			
40			
51			
52	<b>Total value of related party transactions</b>		538
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: \$71k
- 2) Vector Technology Services Limited
  - Relationship: a wholly owned subsidiary of Vector Limitec
  - Principal activities: digital and technology service:
  - Opex: \$467k
- 3) Vector Gas Trading Limited:
  - Relationship: a wholly owned subsidiary of Vector Limitec
  - Principal activities: gas distribution services
  - Income: \$2,419k



**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	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	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				
[ ]VCI	2-Feb-21	26-Jan-21	3	BKBM + [ ]VCI				
[ ]VCI	2-Feb-21	26-Jan-21	3	BKBM + [ ]VCI				
[ ]VCI	2-Feb-21	26-Jan-21	3	BKBM + [ ]VCI				
[ ]VCI	2-Feb-21	26-Jan-21	3	BKBM + [ ]VCI				
[ ]VCI	2-Feb-21	26-Jan-21	3	BKBM + [ ]VCI				
[ ]VCI	2-Feb-21	26-Jan-21	3	BKBM + [ ]VCI				
[ ]VCI	2-Feb-21	26-Jan-21	3	BKBM + [ ]VCI				
<b>Subtotal of bank facilities- variable rate</b>					<b>510,000</b>	<b>508,513</b>		
<b>Capital bonds – fixed rate</b>	<b>15-Jun-17</b>	<b>14-Jun-17</b>	<b>5</b>	<b>5.7</b>	<b>307,205</b>	<b>306,854</b>	[ ]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
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>412,018</b>	[ ]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
<b>Subtotal of senior notes - USD fixed rate</b>					<b>1,613,383</b>	<b>1,595,125</b>	[ ]VCI	[ ]VCI
<b>Unsubordinated bond</b>	<b>27-May-19</b>	<b>16-May-19</b>	<b>6.0</b>	<b>3.45</b>	<b>250,000</b>	<b>248,004</b>	[ ]VCI	[ ]VCI
<i>* include additional rows if needed</i>						<b>3,070,513</b>	[ ]VCI	[ ]VCI

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

Gross term credit spread differential	6,518
Total book value of interest bearing debt	3,070,513
Leverage	42%
Average opening and closing RAB values	442,694
Attribution Rate (%)	6%
Term credit spread differential allowance	395



Company Name **Vector**  
 For Year Ended **30 June 2021**

**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

7 8 9		Value allocated (\$000s)				OVABAA allocation increase (\$000s)
		Arm's length deduction	Gas distribution services	Non-gas distribution services	Total	
<b>5d(i): Operating Cost Allocations</b>						
<b>Service interruptions, incidents and emergencies</b>						
10	Directly attributable		2,232			
11	Not directly attributable					
12	<b>Total attributable to regulated service</b>		2,232			
<b>Routine and corrective maintenance and inspection</b>						
14	Directly attributable		3,100			
15	Not directly attributable					
16	<b>Total attributable to regulated service</b>		3,100			
<b>Asset replacement and renewal</b>						
17	Directly attributable					
18	Not directly attributable					
19	<b>Total attributable to regulated service</b>					
<b>System operations and network support</b>						
21	Directly attributable		2,066			
22	Not directly attributable		820	6,341	7,161	
23	<b>Total attributable to regulated service</b>		2,886			
<b>Business support</b>						
25	Directly attributable		53			
26	Not directly attributable		5,052	50,018	55,070	
27	<b>Total attributable to regulated service</b>		5,105			
<b>Operating costs directly attributable</b>						
29			7,451			
<b>Operating costs not directly attributable</b>						
30			5,872	56,359	62,231	
<b>Operational expenditure</b>						
31			13,323			

35		Value allocated (\$000s)				OVABAA allocation increase (\$000s)
		Arm's length deduction	Gas distribution services	Non-gas distribution services	Total	
<b>5d(ii): Other Cost Allocations</b>						
<b>Pass through and recoverable costs</b>						
<b>Pass through costs</b>						
36	Directly attributable		1,922			
37	Not directly attributable					
38	<b>Total attributable to regulated service</b>		1,922			
<b>Recoverable costs</b>						
39	Directly attributable					
40	Not directly attributable					
41	<b>Total attributable to regulated service</b>					

45		(\$000)			
		Original allocation	CY-1	Current Year (CY)	Difference
<b>5d(iii): Changes in Cost Allocations* †</b>					
<b>Change in cost allocation 1</b>					
47	Cost category				
48	Original allocator or line items				
49	New allocator or line items				
50	Rationale for change				
<b>Change in cost allocation 2</b>					
51	Cost category				
52	Original allocator or line items				
53	New allocator or line items				
54	Rationale for change				
<b>Change in cost allocation 3</b>					
55	Cost category				
56	Original allocator or line items				
57	New allocator or line items				
58	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 2021**

**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
7		
8		
9		
10	<b>Main pipe</b>	
11	Directly attributable	333,175
12	Not directly attributable	-
13	<b>Total attributable to regulated service</b>	333,175
14	<b>Service pipe</b>	
15	Directly attributable	90,040
16	Not directly attributable	-
17	<b>Total attributable to regulated service</b>	90,040
18	<b>Stations</b>	
19	Directly attributable	5,726
20	Not directly attributable	-
21	<b>Total attributable to regulated service</b>	5,726
22	<b>Line valve</b>	
23	Directly attributable	4,540
24	Not directly attributable	-
25	<b>Total attributable to regulated service</b>	4,540
26	<b>Special crossings</b>	
27	Directly attributable	882
28	Not directly attributable	-
29	<b>Total attributable to regulated service</b>	882
30	<b>Other network assets</b>	
31	Directly attributable	11,525
32	Not directly attributable	-
33	<b>Total attributable to regulated service</b>	11,525
34	<b>Non-network assets</b>	
35	Directly attributable	1,440
36	Not directly attributable	3,803
37	<b>Total attributable to regulated service</b>	5,243
38		
39	<b>Regulated service asset value directly attributable</b>	447,328
40	<b>Regulated service asset value not directly attributable</b>	3,803
41	<b>Total closing RAB value</b>	451,131
42		

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

Change in asset value allocation 1		(\$000)			
			CY-1	Current Year (CY)	
46	Asset category	Non-network assets	Original allocation	70	20
47	Original allocator or line items	Relevant employee ratio	New allocation	173	46
48	New allocator or line items	Property, plant and equipment ratio	Difference	(103)	(26)
49					
50	Rationale for change	A change in use of assets			
51					
52					
53					
54					
55	Change in asset value allocation 2	(\$000)			
56	Asset category		CY-1	Current Year (CY)	
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	(\$000)			
65	Asset category		CY-1	Current Year (CY)	
66	Original allocator or line items				
67	New allocator or line items				
68					
69	Rationale for change				
70					
71					

component.

† include additional rows if needed



Company Name **Vector**  
 For Year Ended **30 June 2021**

**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>		
8	Consumer connection		17,523
9	System growth		2,811
10	Asset replacement and renewal		3,004
11	Asset relocations		2,864
12	Reliability, safety and environment:		
13	Quality of supply	141	
14	Legislative and regulatory	35	
15	Other reliability, safety and environment	320	
16	<b>Total reliability, safety and environment</b>		496
17	<b>Expenditure on network assets</b>		26,698
18	Expenditure on non-network assets		1,079
19			
20	<b>Expenditure on assets</b>		27,777
21	plus Cost of financing		(119)
22	less Value of capital contributions		10,047
23	plus Value of vested assets		-
24			
25	<b>Capital expenditure</b>		17,611
26	<b>6a(ii): Subcomponents of Expenditure on Assets (where known)</b>		
27	Research and development		-
28	<b>6a(iii): Consumer Connection</b>		
29	<i>Consumer types defined by GDB*</i>		
30	Mains extensions/subdivisions	4,840	
31	Service connections - residential	11,911	
32	Service connections - commercial	772	
33			
34			
35	<i>* include additional rows if needed</i>		
36	<b>Consumer connection expenditure</b>		17,523
37			
38	less Capital contributions funding consumer connection expenditure	6,747	
39	<b>Consumer connection less capital contributions</b>		10,776
40			
41	<b>6a(iv): System Growth and Asset Replacement and Renewal</b>		
42			
43			
44	<b>Intermediate pressure</b>		
45	Main pipe	-	128
46	Service pipe	-	-
47	Stations	-	630
48	Line valve	-	92
49	Special crossings	-	448
50	<b>Intermediate pressure - total</b>	-	1,298
51	<b>Medium pressure</b>		
52	Main pipe	2,638	1,046
53	Service pipe	-	62
54	Stations	-	189
55	Line valve	-	-
56	Special crossings	-	104
57	<b>Medium pressure - total</b>	2,638	1,401
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	-	65
66	Cathodic protection systems	140	27
67	Other assets (other than above)	33	213
68	<b>Other network assets - total</b>	173	305
69			
70	<b>System growth and asset replacement and renewal expenditure</b>	2,811	3,004
71	less Capital contributions funding system growth and asset replacement and renewal		
72	<b>System growth and asset replacement and renewal less capital contributions</b>	2,811	3,004
73	<b>6a(v): Asset Relocations</b>		
74	<i>Project or programme*</i>		
75			
76			
77			
78			
79			
80	<i>* include additional rows if needed</i>		
81	All other projects or programmes - asset relocations	2,864	





Company Name **Vector**  
 For Year Ended **30 June 2021**

**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>			2,864
83	less Capital contributions funding asset relocations	3,300		
84	<b>Asset relocations less capital contributions</b>			(436)
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	141		
94	<b>Quality of supply expenditure</b>			141
95	less Capital contributions funding quality of supply			
96	<b>Quality of supply less capital contributions</b>			141
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	35		
107	<b>Legislative and regulatory expenditure</b>			35
108	less Capital contributions funding legislative and regulatory			
109	<b>Legislative and regulatory less capital contributions</b>			35
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	320		
120	<b>Other reliability, safety and environment expenditure</b>			320
121	less Capital contributions funding other reliability, safety and environment			
122	<b>Other reliability, safety and environment less capital contributions</b>			320
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	592		
133	<b>Routine expenditure</b>			592
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	487		
143	<b>Atypical expenditure</b>			487
144				
145	<b>Expenditure on non-network assets</b>			1,079



Company Name **Vector**  
 For Year Ended **30 June 2021**

**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	2,232	
9	Routine and corrective maintenance and inspection	3,100	
10	Asset replacement and renewal	-	
11	<b>Network opex</b>		5,332
12	System operations and network support	2,886	
13	Business support	5,105	
14	<b>Non-network opex</b>		7,991
15			
16	<b>Operational expenditure</b>		13,323
17	<b>6b(ii): Subcomponents of Operational Expenditure (where known)</b>		
18	Research and development		-
19	Insurance		287



Company Name **Vector**For Year Ended **30 June 2021****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	50,503	48,722	(4%)
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	17,508	17,523	0%
12	System growth	3,169	2,811	(11%)
13	Asset replacement and renewal	3,318	3,004	(9%)
14	Asset relocations	4,565	2,864	(37%)
15	Reliability, safety and environment:			
16	Quality of supply	35	141	303%
17	Legislative and regulatory	-	35	-
18	Other reliability, safety and environment	491	320	(35%)
19	<b>Total reliability, safety and environment</b>	526	496	(6%)
	<b>Expenditure on network assets</b>	29,086	26,698	(8%)
21	Expenditure on non-network assets	1,901	1,079	(43%)
22	<b>Expenditure on assets</b>	30,987	27,777	(10%)
23	<b>7(iii): Operational Expenditure</b>			
24	Service interruptions, incidents and emergencies	2,287	2,232	(2%)
25	Routine and corrective maintenance and inspection	3,108	3,100	(0%)
26	Asset replacement and renewal	-	-	-
27	<b>Network opex</b>	5,395	5,332	(1%)
28	System operations and network support	2,963	2,886	(3%)
29	Business support	5,085	5,105	0%
30	<b>Non-network opex</b>	8,048	7,991	(1%)
31	<b>Operational expenditure</b>	13,443	13,323	(1%)
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	252	287	14%

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 2021**  
 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**

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	109,036	2,492
GA01	Commercial	Standard	2,294	260
GA02	Commercial	Standard	2,857	912
GA03	Commercial	Standard	1,020	1,979
GA04	Commercial	Standard	156	1,865
GA05	Commercial	Standard	26	3,601
Non-standard	Commercial	Non-standard	17	2,758

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

Standard consumer totals	115,389	11,109
Non-standard consumer totals	17	2,758
<b>Total for all consumers</b>	<b>115,406</b>	<b>13,867</b>

**Billed quantities by price component**

Price component	Fixed	Variable			
	Days	kWh			
	39,774,981	692,222,159			
	837,177	72,130,262			
	1,042,705	253,286,643			
	371,682	549,795,021			
	57,007	518,003,445			
	9,368	1,000,415,491			
	6,085	766,145,836			

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

	42,092,920	3,085,853,021	-	-	-
	6,085	766,145,836	-	-	-
	42,099,005	3,851,998,857	-	-	-

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

Consumer group name or price category code	Consumer type or types (eg, residential, commercial, etc.)	Standard or non-standard consumer group (specify)	Total line charge revenue in disclosure year	Notional revenue foregone from posted discounts (if applicable)
GA0R	Residential	Standard	\$28,641	
GA01	Commercial	Standard	\$1,480	
GA02	Commercial	Standard	\$3,869	
GA03	Commercial	Standard	\$6,289	
GA04	Commercial	Standard	\$3,639	
GA05	Commercial	Standard	\$3,137	
Non-standard	Commercial	Non-standard	\$1,667	
			-	
			-	
			-	
			-	

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

Standard consumer totals	\$47,055	-
Non-standard consumer totals	\$1,667	-
<b>Total for all consumers</b>	<b>\$48,722</b>	<b>-</b>

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

Price component	Fixed	Variable			
	\$/Day	\$/kWh			
	\$15,491	\$13,150			
	\$601	\$879			
	\$1,250	\$2,619			
	\$1,958	\$4,331			
	\$935	\$2,704			
	\$2,009	\$1,128			
	\$1,437	\$230			

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

	\$22,244	\$24,811	-	-	-
	\$1,437	\$230	-	-	-
	\$23,681	\$25,041	-	-	-

Company Name

Vector

For Year Ended

30 June 2021

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	Items at end of	Net change	Data accuracy
					year (quantity)	year (quantity)		(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	237	(3)	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	93	(2)	4
16	Intermediate Pressure	Line valve	IP line valves	No.	640	632	(8)	3
17	Intermediate Pressure	Special crossings	IP crossings	No.	20	20	-	4
18	Medium Pressure	Main pipe	MP PE main pipe	km	4,068	4,083	15	4
19	Medium Pressure	Main pipe	MP steel main pipe	km	211	210	(1)	4
20	Medium Pressure	Main pipe	MP other main pipe	km	1	1	-	3
21	Medium Pressure	Service pipe	MP PE service pipe	km	2,264	2,259	(5)	4
22	Medium Pressure	Service pipe	MP steel service pipe	km	25	24	(1)	4
23	Medium Pressure	Service pipe	MP other service pipe	km	3	3	(0)	4
24	Medium Pressure	Stations	Medium pressure DRS	No.	133	103	(30)	4
25	Medium Pressure	Line valve	MP line valves	No.	2,836	2,821	(15)	3
26	Medium Pressure	Special crossings	MP special crossings	No.	69	65	(4)	3
27	Low Pressure	Main pipe	LP PE main pipe	km	0	0	(0)	4
28	Low Pressure	Main pipe	LP steel main pipe	km	-	-	-	N/A
29	Low Pressure	Main pipe	LP other main pipe	km	-	-	-	N/A
30	Low Pressure	Service pipe	LP PE service pipe	km	1	1	(0)	4
31	Low Pressure	Service pipe	LP steel service pipe	km	1	0	(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 2021**  
 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

8	Disclosure Year (year ended)		Number of assets at disclosure year end by installation date																																Items at end			
	30 June 2021																																					
	pre-1970	1970-1974	1975-1979	1980-1984	1985-1989	1990-1994	1995-1999	2000	2001	2002	2003	2004	2005	2006	2007	2008	2009	2010	2011	2012	2013	2014	2015	2016	2017	2018	2019	2020	2021	2022	2023	2024	2025	No. with age unknown	of year (quantity)	No. with default dates	Data accuracy (1-4)	
9	Operating Pressure	Asset Category																																				
10	Intermediate Pressure	Main pipe																																				
11	Intermediate Pressure	Main pipe																																				
12	Intermediate Pressure	Main pipe																																				
13	Intermediate Pressure	Service pipe																																				
14	Intermediate Pressure	Service pipe																																				
15	Intermediate Pressure	Service pipe																																				
16	Intermediate Pressure	Stations																																				
17	Intermediate Pressure	Line valve																																				
18	Intermediate Pressure	Special crossings																																				
19	Medium Pressure	Main pipe																																				
20	Medium Pressure	Main pipe																																				
21	Medium Pressure	Main pipe																																				
22	Medium Pressure	Service pipe																																				
23	Medium Pressure	Service pipe																																				
24	Medium Pressure	Service pipe																																				
25	Medium Pressure	Stations																																				
26	Medium Pressure	Line valve																																				
27	Medium Pressure	Special crossings																																				
28	Low Pressure	Main pipe																																				
29	Low Pressure	Main pipe																																				
30	Low Pressure	Main pipe																																				
31	Low Pressure	Service pipe																																				
32	Low Pressure	Service pipe																																				
33	Low Pressure	Service pipe																																				
34	Low Pressure	Line valve																																				
35	Low Pressure	Special crossings																																				
36	All	Monitoring and control systems																																				
37	All	Cathodic protection systems																																				

Company Name	Vector
For Year Ended	30 June 2021
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

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**Network Information (end of year)**

System length by material (defined by GDB)	Length (km)	%
Unknown	0	0.00%
Steel	478	7.01%
PE	6,343	92.94%
Other	4	0.06%
		-
		-
<b>System length</b>	<b>6,825</b>	<b>100.00%</b>

By operating pressure:	System length (km) (at year end)	Weighted average pipe diameter (mm)	Number of ICPs (at year end)	Gas conveyed for
				Persons not involved in the GDB (TJ)
Intermediate pressure	243	164	182	3,512
Medium pressure	6,581	38	115,990	8,702
Low pressure	1	43	300	13
<b>Total</b>	<b>6,825</b>	<b>43</b>	<b>116,472</b>	<b>12,226</b>

Company Name	Vector
For Year Ended	30 June 2021
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	3,733
Commerical	111
<b>Total</b>	<b>3,844</b>

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

Number of ICPs at year end	116,472	connections
Maximum daily load	58,905	(GJ per day)
Maximum monthly load	1,509,999	(GJ per month)
Number of directly billed ICPs	-	(at year end)
Total gas conveyed	14,047,172	(GJ per annum)
Average daily delivery	38,485	(GJ per day)
<b>Load factor</b>	<b>77.52%</b>	



Company Name	Vector
For Year Ended	30 June 2021
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	<b>10a(i): Interruptions</b>			
9	<b>Interruptions by class</b>			
10		<b>Actual</b>		
11	Class A (planned interruptions by GTB)			-
12	Class B (planned interruptions on the network)			443
13	Class C (unplanned interruptions on the network)			38
14	Class D (unplanned interruptions by GTB)			-
15	Class I (unplanned interruptions caused by third party damage)			139
16	<b>Total</b>			<b>620</b>
17	Number of unplanned outage events (interruptions that affect more than 5 ICPs)			<b>Actual</b>
18	Vector network			3
19				
20				
21				
22	Number of unplanned outage events caused by third party damage (interruptions that affect more than 5 ICPs)			<b>Actual</b>
23	Vector network			3
24				
25				
26				
27				
28	<b>10a(ii): Reliability</b>			
29	<b>Overall reliability</b>			
30	Based on the total number of interruptions	SAIDI	SAIFI	CAIDI
31	Class I (unplanned interruptions caused by third party damage)	745	6.24	119.39
32	Class B (planned interruptions on the network)	SAIDI	SAIFI	CAIDI
33	Vector network	390	4.16	93.78
34				-
35				-
36				-
37				-
38	Class C (unplanned interruptions on the network)	SAIDI	SAIFI	CAIDI
39	Vector network	149	0.494	301.60
40				-
41				-
42				-
43				-



Company Name	Vector
For Year Ended	30 June 2021
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	17.29

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

Actual

Vector network	1.76

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

Actual

Vector network	44.84

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

Actual

Vector network	3.00

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	90.60%

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

Actual

Number of non-compliant odour tests

-
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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	100.00%	100.00%	0.61	117

49 **Number of complaints**

Actual

Number of complaints per average total consumer numbers

0.001
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