



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

Company Name	Vector gas distribution business
Disclosure Date	20 December 2016
Disclosure Year (year ended)	30 June 2016

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

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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 24 March 2015). They provide a common reference between the rows in the determination and the template.

Description of Calculation References

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

Worksheet Completion Sequence

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

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

Company Name **Vector gas distribution business**
For Year Ended **30 June 2016**

SCHEDULE 1: ANALYTICAL RATIOS

This schedule calculates expenditure, revenue and service ratios from the information disclosed. The disclosed ratios may vary for reasons that are company specific and, as a result, must be interpreted with care. The Commerce Commission will publish a summary and analysis of information disclosed in accordance with the ID determination. This will include information disclosed in accordance with this and other schedules, and information disclosed under the other requirements of the determination.

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

sch ref

1(i): Expenditure Metrics

	Expenditure per TJ energy delivered to ICPs (\$/TJ)	Expenditure per average no. of ICPs (\$/ICP)	Ratio of expenditure to maximum monthly load (\$ per GJ/month)	Expenditure per km of pipeline for supply (\$/km)
Operational expenditure	768	102	7	1,644
Network	326	43	3	697
Non-network	442	59	4	947
Expenditure on assets	1,629	216	15	3,485
Network	1,583	210	15	3,388
Non-network	46	6	0	97

1(ii): Revenue Metrics

	Revenue per TJ energy delivered to ICPs (\$/TJ)	Revenue per average no. of ICPs (\$/ICP)
Total line charge revenue	3,810	506
Standard consumer line charge revenue	5,461	462
Non-standard consumer line charge revenue	916	101,244

1(iii): Service Intensity Measures

Demand density	232	Maximum monthly load (GJ per month) per system length
Volume density	2	Quantity of gas delivered per km of system length (TJ/km)
Connection point density	16	Average number of ICPs in disclosure year per system length
Energy intensity	133	Total GJ delivered to ICPs per average number of ICPs in disclosure year

1(iv): Composition of Revenue Requirement

	(\$000)	% of revenue
Operational expenditure	10,521	20.18%
Pass-through and recoverable costs excluding financial incentives and wash-ups	2,236	4.29%
Total depreciation	9,484	18.19%
Total revaluations	1,521	2.92%
Regulatory tax allowance	7,109	13.63%
Regulatory profit/(loss) including financial incentives and wash-ups	24,224	46.46%
Total regulatory income	52,137	

1(v): Reliability

Interruption rate	11.64	Interruptions per 100km of system length
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Company Name

Vector gas distribution business

For Year Ended

30 June 2016

SCHEDULE 2: REPORT ON RETURN ON INVESTMENT

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

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

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

sch ref

2(i): Return on Investment

for year ended

CY-2

CY-1

Current Year CY

30 Jun 14

30 Jun 15

30 Jun 16

%

%

%

ROI – comparable to a post tax WACC

Reflecting all revenue earned

8.20%

6.46%

6.51%

Excluding revenue earned from financial incentives

8.20%

6.46%

6.51%

Excluding revenue earned from financial incentives and wash-ups

8.20%

6.46%

6.51%

Mid-point estimate of post tax WACC

6.16%

6.76%

6.02%

25th percentile estimate

5.35%

5.95%

5.21%

75th percentile estimate

6.97%

7.57%

6.83%

ROI – comparable to a vanilla WACC

Reflecting all revenue earned

8.87%

7.23%

7.14%

Excluding revenue earned from financial incentives

8.87%

7.23%

7.14%

Excluding revenue earned from financial incentives and wash-ups

8.87%

7.23%

7.14%

WACC rate used to set regulatory price path

7.44%

7.44%

7.44%

Mid-point estimate of vanilla WACC

6.84%

7.54%

6.65%

25th percentile estimate

6.03%

6.73%

5.84%

75th percentile estimate

7.65%

8.35%

7.46%

2(ii): Information Supporting the ROI

(\$000)

Total opening RAB value

365,395

plus Opening deferred tax

(22,755)

Opening RIV

342,640

Line charge revenue

52,159

Expenses cash outflow

12,757

plus Assets commissioned

17,653

less Asset disposals

92

plus Tax payments

5,552

less Other regulated income

(22)

Mid-year net cash flows

35,892

Term credit spread differential allowance

84

Total closing RAB value

375,662

less Adjustment resulting from asset allocation

668

less Lost and found assets adjustment

-

plus Closing deferred tax

(24,312)

Closing RIV

350,682

ROI – comparable to a vanilla WACC

7.14%

Leverage (%)

44%

Cost of debt assumption (%)

5.11%

Corporate tax rate (%)

28%

ROI – comparable to a post tax WACC

6.51%

Company Name

Vector gas distribution business

For Year Ended

30 June 2016

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).

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sch ref

2(iii): Information Supporting the Monthly ROI

Opening RIV

N/A

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

Tax Payments

N/A

Term credit spread differential allowance

N/A

Closing RIV

N/A

Monthly ROI – comparable to a vanilla WACC

N/A

Monthly ROI – comparable to a post tax WACC

N/A

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

Year-end ROI – comparable to a vanilla WACC

6.89%

Year-end ROI – comparable to a post tax WACC

6.26%

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

2(v): Financial Incentives and Wash-Ups

Net recoverable costs allowed under incremental rolling incentive scheme

-

Other financial incentives

-

Financial incentives

-

Impact of financial incentives on ROI

-

Input methodology claw-back

-

Recoverable customised price-quality path costs

-

Other wash-ups

-

Wash-up costs

-

Impact of wash-up costs on ROIs

-

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

S3.Regulatory Profit

Company Name **Vector gas distribution business**
For Year Ended **30 June 2016**

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 12 (\$000)	RAB 30 Jun 13 (\$000)	RAB 30 Jun 14 (\$000)	RAB 30 Jun 15 (\$000)	RAB 30 Jun 16 (\$000)
Total opening RAB value	447,295	458,523	467,458	483,573	496,747
Total opening RAB value for non Auckland gas distribution					131,352
less Total depreciation	13,662	14,398	14,483	15,182	9,484
plus Total revaluations	4,248	3,134	7,548	1,933	1,521
plus Assets commissioned	20,664	20,404	23,068	26,629	17,653
less Asset disposals	48	190	50	143	92
plus Lost and found assets adjustment	-	-	-	(25)	-
plus Adjustment resulting from asset allocation	26	(15)	32	(38)	668
Total closing RAB value	458,523	467,458	483,573	496,747	375,662

4(ii): Unallocated Regulatory Asset Base

	Unallocated RAB *	RAB
	(\$000)	(\$000)
Total opening RAB value	522,843	496,747
Total opening RAB value for non Auckland gas distribution	130,262	131,352
less Total depreciation	18,834	9,484
plus Total revaluations	1,624	1,521
plus Assets commissioned (other than below)	23,025	17,269
Assets acquired from a regulated supplier	385	385
Assets acquired from a related party	-	-
Assets commissioned	23,410	17,653
less Asset disposals (other than below)	73	73
Asset disposals to a regulated supplier	19	19
Asset disposals to a related party	-	-
Asset disposals	92	92
plus Lost and found assets adjustment	-	-
plus Adjustment resulting from asset allocation	101	668
Total closing RAB value	398,790	375,662

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

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

CPI _t	1,205
CPI _{t-4}	1,200
Revaluation rate (%)	0.42%

	Unallocated RAB *	RAB
	(\$000)	(\$000)
Total opening RAB value for gas distribution	522,843	496,747
less Total opening RAB value for non Auckland gas distribution	130,262	131,352
less Opening value of fully depreciated, disposed and lost assets	2,791	408
Total opening RAB value subject to revaluation	389,790	364,987
Total revaluations	1,624	1,521

4(iv): Roll Forward of Works Under Construction

	Unallocated works under construction	Allocated works under construction
	(\$000)	(\$000)
Works under construction—preceding disclosure year	2,072	959
plus Capital expenditure	23,289	17,550
plus Assets acquired from a regulated supplier	385	385
less Assets commissioned	23,410	17,653
plus Adjustment resulting from asset allocation	-	52
Works under construction - current disclosure year	2,336	1,292
Highest rate of capitalised finance applied		6.55%

4(v): Regulatory Depreciation

	Unallocated RAB *	RAB
	(\$000)	(\$000)
Depreciation - standard	8,387	8,387
Depreciation - no standard life assets	10,447	1,096
Depreciation - modified life assets		
Depreciation - alternative depreciation in accordance with CPP		
Total depreciation	18,834	9,484

(\$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

Company Name **Vector gas distribution business**
 For Year Ended **30 June 2016**

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(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	63,279	314,762	11,720	73,173	7,795	4,803	4,627	11,945	4,643	496,747
<i>less</i> Total opening RAB value for non Auckland gas distribution	15,754	76,829	1,417	23,848	3,472	882	3,733	3,604	1,813	131,352
<i>less</i> Total depreciation	1,185	5,369	302	833	182	148	12	432	1,022	9,484
<i>plus</i> Total revaluations	198	991	43	205	18	17	4	35	10	1,521
<i>plus</i> Assets commissioned	1,508	6,728	1	7,557	306	191	-	712	652	17,653
<i>less</i> Asset disposals	2	26	0	17	2	13	-	13	19	92
<i>plus</i> Lost and found assets adjustment	-	-	-	-	-	-	-	-	-	-
<i>plus</i> Adjustment resulting from asset allocation	-	-	-	-	-	-	-	-	668	668
<i>plus</i> Asset category transfers	-	-	-	-	-	-	-	-	-	-
Total closing RAB value	48,044	240,256	10,045	56,237	4,463	3,969	886	8,643	3,119	375,662
Asset Life										
Weighted average remaining asset life	44	45	40	56	29	45	59	28	7	(years)
Weighted average expected total asset life	70	60	60	63	35	60	65	46	13	(years)

Company Name **Vector gas distribution business**
 For Year Ended **30 June 2016**

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

7	5a(i): Regulatory Tax Allowance			(5000)
8	Regulatory profit / (loss) before tax			31,417
9				
10	plus	Income not included in regulatory profit / (loss) before tax but taxable	-	*
11		Expenditure or loss in regulatory profit / (loss) before tax but not deductible	-	*
12		Amortisation of initial differences in asset values	2,451	
13		Amortisation of revaluations	638	
14				3,088
15				
16	less	Total revaluations	1,521	
17		Income included in regulatory profit / (loss) before tax but not taxable	-	*
18		Expenditure or loss deductible but not in regulatory profit / (loss) before tax	-	*
19		Notional deductible interest	7,596	
20				9,117
21				
22		Regulatory taxable income		25,389
23				
24	less	Utilised tax losses	-	
25		Regulatory net taxable income		25,389
26				
27		Corporate tax rate (%)	28%	
28		Regulatory tax allowance		7,109

* 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

34				(5000)
		Opening unamortised initial differences in asset values for total GDB business	153,205	
		Less unamortised initial differences in asset values for non Auckland gas distribution business	62,525	
35				
36		Opening unamortised initial differences in asset values	90,680	
37	less	Amortisation of initial differences in asset values	2,451	
38	plus	Adjustment for unamortised initial differences in assets acquired	-	
39	less	Adjustment for unamortised initial differences in assets disposed	(16)	
40		Closing unamortised initial differences in asset values		88,245
41				
42		Opening weighted average remaining useful life of relevant assets (years)		37
43				

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

5a(iv): Amortisation of Revaluations		(\$'000)
Opening sum of RAB values without revaluations	340,209	
Adjusted depreciation	8,846	
Total depreciation	9,484	
Amortisation of revaluations		638

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

58	Opening deferred tax for total GDB	(26,633)
59	Less deferred tax balance relating to non Auckland gas distribution business	(3,878)
60	Opening deferred tax	(22,755)
61		
62	<i>plus</i> Tax effect of adjusted depreciation	2,477
63		
64	<i>less</i> Tax effect of tax depreciation	3,584
65		
66	<i>plus</i> Tax effect of other temporary differences*	197
67		
68	<i>less</i> Tax effect of amortisation of initial differences in asset values	686
69		
70	<i>plus</i> Deferred tax balance relating to assets acquired in the disclosure year	-
71		
72	<i>less</i> Deferred tax balance relating to assets disposed in the disclosure year	3
73		
74	<i>plus</i> Deferred tax cost allocation adjustment	43
75		
76	Closing deferred tax	(24,312)

Opening sum of regulatory tax asset values for total GDB	215,848	
Less sum of regulatory tax asset values relating to non Auckland gas distribution business	46,388	
		(\$000)

<i>less</i>	Tax depreciation	12,800	
<i>plus</i>	Regulatory tax asset value of assets commissioned	14,809	
<i>less</i>	Regulatory tax asset value of asset disposals	4	
<i>plus</i>	Lost and found assets adjustment	-	
<i>plus</i>	Adjustments resulting from asset allocation	820	
<i>plus</i>	Other adjustments to the RAB tax value	-	
Closing sum of regulatory tax asset values			172.28

Company Name

Vector gas distribution business

For Year Ended

30 June 2016

SCHEDULE 5b: REPORT ON RELATED PARTY TRANSACTIONS

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

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

sch ref

5b(i): Summary—Related Party Transactions

(\$000)

Total regulatory income	4,139
Operational expenditure	35
Capital expenditure	-
Market value of asset disposals	-
Other related party transactions	-

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

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

* include additional rows if needed

5b(iii): Related Party Transactions

Name of related party	Related party transaction type	Description of transaction	Value of transaction (\$000)	Basis for determining value
Vector Gas Trading Limited (gas wholesale)	Sales	Sold Distribution services	4,139	ID clause 2.3.7(2)(a)
Vector Communications Limited	Opex	Purchase of telecommunications services	35	ID clause 2.3.6(2)(d)

* include additional rows if needed

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.

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

* include additional rows if needed

Gross term credit spread differential		1,161
Total book value of interest bearing debt	2,256,881	
Leverage	44%	
Average opening and closing RAB values	370,528	
Attribution Rate (%)		7%
Term credit spread differential allowance		84

Company Name **Vector gas distribution business**
For Year Ended **30 June 2016**

SCHEDULE 5d: REPORT ON COST ALLOCATIONS

This schedule provides information on the allocation of operational costs. GDBs must provide explanatory comment on their cost allocation in Schedule 14 (Mandatory Explanatory Notes), including on the impact of any reclassifications. This information is part of audited disclosure information (as defined in section 1.4 of the ID determination), and so is subject to the assurance report required by section 2.8.

sch ref

5d(i): Operating Cost Allocations

		Value allocated (\$000s)			
	Arm's length deduction	Gas distribution services	Non-gas distribution services	Total	OVABAA allocation increase (\$000s)
Service interruptions, incidents and emergencies					
Directly attributable		1,959			
Not directly attributable	-	-	-	-	-
Total attributable to regulated service		1,959			
Routine and corrective maintenance and inspection					
Directly attributable		2,504			
Not directly attributable	-	-	-	-	-
Total attributable to regulated service		2,504			
Asset replacement and renewal					
Directly attributable		-			
Not directly attributable	-	-	-	-	-
Total attributable to regulated service		-			
System operations and network support					
Directly attributable		508			
Not directly attributable	-	1,416	10,559	11,975	
Total attributable to regulated service		1,924			
Business support					
Directly attributable					
Not directly attributable	-	4,134	38,905	43,039	
Total attributable to regulated service		4,134			
Operating costs directly attributable		4,971			
Operating costs not directly attributable	-	5,550	49,464	55,014	
Operational expenditure		10,521			

5d(ii): Other Cost Allocations

		Value allocated (\$000s)			
	Arm's length deduction	Gas distribution services	Non-gas distribution services	Total	OVABAA allocation increase (\$000s)
Pass through and recoverable costs					
Pass through costs					
Directly attributable		2,236			
Not directly attributable	-	-	-	-	-
Total attributable to regulated service		2,236			
Recoverable costs					
Directly attributable					
Not directly attributable	-	-	-	-	-
Total attributable to regulated service		-			

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

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

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

† include additional rows if needed

Company Name

Vector gas distribution business

For Year Ended

30 June 2016

SCHEDULE 5e: REPORT ON ASSET ALLOCATIONS

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

sch ref

5e(i): Regulated Service Asset Values

	Value allocated (\$000s) Gas distribution services
Main pipe	
Directly attributable	298,345
Not directly attributable	-
Total attributable to regulated service	298,345
Service pipe	
Directly attributable	56,237
Not directly attributable	-
Total attributable to regulated service	56,237
Stations	
Directly attributable	4,463
Not directly attributable	-
Total attributable to regulated service	4,463
Line valve	
Directly attributable	3,969
Not directly attributable	-
Total attributable to regulated service	3,969
Special crossings	
Directly attributable	886
Not directly attributable	-
Total attributable to regulated service	886
Other network assets	
Directly attributable	8,643
Not directly attributable	-
Total attributable to regulated service	8,643
Non-network assets	
Directly attributable	512
Not directly attributable	2,607
Total attributable to regulated service	3,119
Regulated service asset value directly attributable	373,055
Regulated service asset value not directly attributable	2,607
Total closing RAB value	375,662

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

(\$000)

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

Change in asset value allocation 2

(\$000)

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

Change in asset value allocation 3

(\$000)

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

component.

† include additional rows if needed

Company Name

Vector gas distribution business

For Year Ended

30 June 2016

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	6a(i): Expenditure on Assets		(\$000)	(\$000)
8	Consumer connection			17,399
9	System growth			294
10	Asset replacement and renewal			1,397
11	Asset relocations			2,283
12	Reliability, safety and environment:			
13	Quality of supply		-	
14	Legislative and regulatory		66	
15	Other reliability, safety and environment		238	
16	Total reliability, safety and environment			304
17	Expenditure on network assets			21,677
18	Expenditure on non-network assets			623
19				
20	Expenditure on assets			22,300
21	plus Cost of financing			59
22	less Value of capital contributions			4,809
23	plus Value of vested assets			-
24				
25	Capital expenditure			17,550
26	6a(ii): Subcomponents of Expenditure on Assets (where known)			(\$000)
27	Research and development			-
28	6a(iii): Consumer Connection			
29	Consumer types defined by GDB*		(\$000)	(\$000)
30	Mains Extensions/Subdivisions		7,484	
31	Service Connections - Residential		8,508	
32	Service Connections - Commercial		1,407	
33	Customer Easements		-	
34	[GDB consumer type]			
35	* include additional rows if needed			
36	Consumer connection expenditure			17,399
37				
38	less Capital contributions funding consumer connection expenditure		2,851	
39	Consumer connection less capital contributions			14,548

Company Name

Vector gas distribution business

For Year Ended

30 June 2016

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

40

41

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

42

43

44

Intermediate pressure

45

Main pipe

46

Service pipe

47

Stations

48

Line valve

49

Special crossings

50

Intermediate pressure - total

51

Medium pressure

52

Main pipe

53

Service pipe

54

Stations

55

Line valve

56

Special crossings

57

Medium pressure - total

58

Low pressure

59

Main pipe

60

Service pipe

61

Line valve

62

Special crossings

63

Low pressure - total

64

Other network assets

65

Monitoring and control systems

66

Cathodic protection systems

67

Other assets (other than above)

68

Other network assets - total

69

System growth and asset replacement and renewal expenditure

70

less Capital contributions funding system growth and asset replacement and renewal

71

72

System growth and asset replacement and renewal less capital contributions

73

6a(v): Asset Relocations

74

Project or programme*

75

[Description of material project or programme]

76

[Description of material project or programme]

77

[Description of material project or programme]

78

[Description of material project or programme]

79

[Description of material project or programme]

80

* include additional rows if needed

81

All other projects or programmes - asset relocations

82

Asset relocations expenditure

83

less Capital contributions funding asset relocations

84

Asset relocations less capital contributions

Asset Replacement and
Renewal

System Growth
(\$000)

Renewal
(\$000)

39	204
	59
39	263

62	750
	20
185	39
	48
247	857

	34
	29
8	214
8	277

294	1,397
294	1,397

2,283	
	2,283
1,958	
	325

Company Name

Vector gas distribution business

For Year Ended

30 June 2016

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

This schedule requires a breakdown of capital expenditure on assets incurred in the disclosure year, including any assets in respect of which capital contributions are received, but excluding assets that are vested assets. Information on expenditure on assets must be provided on an accounting accruals basis and must exclude finance costs. GDBs must provide explanatory comment on their expenditure on assets in Schedule 14 (Explanatory notes to templates).

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

sch ref

6a(vi): Quality of Supply

Project or programme*

[Description of material project or programme]

[Description of material project or programme]

[Description of material project or programme]

[Description of material project or programme]

[Description of material project or programme]

* include additional rows if needed

All other projects or programmes - quality of supply

Quality of supply expenditure

less Capital contributions funding quality of supply

Quality of supply less capital contributions

(\$000)

(\$000)

6a(vii): Legislative and Regulatory

Project or programme*

[Description of material project or programme]

[Description of material project or programme]

[Description of material project or programme]

[Description of material project or programme]

[Description of material project or programme]

* include additional rows if needed

All other projects or programmes - legislative and regulatory

Legislative and regulatory expenditure

less Capital contributions funding legislative and regulatory

Legislative and regulatory less capital contributions

(\$000)

(\$000)

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

Project or programme*

[Description of material project or programme]

[Description of material project or programme]

[Description of material project or programme]

[Description of material project or programme]

[Description of material project or programme]

* include additional rows if needed

All other projects or programmes - other reliability, safety and environment

Other reliability, safety and environment expenditure

less Capital contributions funding other reliability, safety and environment

Other reliability, safety and environment less capital contributions

(\$000)

(\$000)

6a(ix): Non-Network Assets**Routine expenditure**

Project or programme*

[Description of material project or programme]

[Description of material project or programme]

[Description of material project or programme]

[Description of material project or programme]

[Description of material project or programme]

* include additional rows if needed

All other projects or programmes - routine expenditure

Routine expenditure**Atypical expenditure**

Project or programme*

[Description of material project or programme]

[Description of material project or programme]

[Description of material project or programme]

[Description of material project or programme]

[Description of material project or programme]

* include additional rows if needed

All other projects or programmes - atypical expenditure

Atypical expenditure**Expenditure on non-network assets**

(\$000)

(\$000)

(\$000)

(\$000)

Company Name

Vector gas distribution business

For Year Ended

30 June 2016

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

This schedule requires a breakdown of operational expenditure incurred in the current disclosure year. GDBs must provide explanatory comment on their operational expenditure in Schedule 14 (Explanatory notes to templates). This includes explanatory comment on any atypical operational expenditure and assets replaced or renewed as part of asset replacement and renewal operational expenditure, and additional information on insurance.

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

sch ref

		(\$000)	(\$000)
7	6b(i): Operational Expenditure		
8	Service interruptions, incidents and emergencies	1,959	
9	Routine and corrective maintenance and inspection	2,504	
10	Asset replacement and renewal	-	
11	Network opex		4,463
12	System operations and network support	1,924	
13	Business support	4,134	
14	Non-network opex		6,058
15			
16	Operational expenditure		10,521
17	6b(ii): Subcomponents of Operational Expenditure (where known)		
18	Research and development		-
19	Insurance		169

Company Name

Vector gas distribution business

For Year Ended

30 June 2016

SCHEDULE 7: COMPARISON OF FORECASTS TO ACTUAL EXPENDITURE

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

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

sch ref

8	7(i): Revenue	Target (\$000) ¹	Actual (\$000)	% variance
9	Line charge revenue	79,115	52,159	(34%)
10	7(ii): Expenditure on Assets	Forecast (\$000) ²	Actual (\$000)	% variance
11	Consumer connection	16,679	17,399	4%
12	System growth	6,322	294	(95%)
13	Asset replacement and renewal	3,993	1,397	(65%)
14	Asset relocations	3,924	2,283	(42%)
15	Reliability, safety and environment:			
16	Quality of supply	530	-	(100%)
17	Legislative and regulatory	-	66	-
18	Other reliability, safety and environment	682	238	(65%)
19	Total reliability, safety and environment	1,212	304	(75%)
20	Expenditure on network assets	32,129	21,677	(33%)
21	Expenditure on non-network assets	1,308	623	(52%)
22	Expenditure on assets	33,437	22,300	(33%)
23	7(iii): Operational Expenditure			
24	Service interruptions, incidents and emergencies	4,040	1,959	(52%)
25	Routine and corrective maintenance and inspection	4,464	2,504	(44%)
26	Asset replacement and renewal	-	-	-
27	Network opex	8,504	4,463	(48%)
28	System operations and network support	10,309	1,924	(81%)
29	Business support	575	4,134	619%
30	Non-network opex	10,884	6,058	(44%)
31	Operational expenditure	19,388	10,521	(46%)
32	7(iv): Subcomponents of Expenditure on Assets (where known)			
33	Research and development	-	-	-
34	7(v): Subcomponents of Operational Expenditure (where known)			
35	Research and development		-	-
36	Insurance	223	169	(24%)

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

² From the CY+1 nominal dollar expenditure forecasts disclosed in accordance with clause 2.6.6 for the forecast period starting at the beginning of the disclosure year (the second to last disclosure of Schedules 11a and 11b)

Company Name	Vector gas distribution business
For Year Ended	30 June 2016
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	96,905	2,328
GA01	Commercial	Standard	2,353	249
GA02	Commercial	Standard	2,677	900
GA03	Commercial	Standard	905	1,939
GA04	Commercial	Standard	143	1,739
GA05	Commercial	Standard	14	1,561
Non-standard	Commercial	Non-standard	45	4,974

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

Standard consumer totals	102,997	8,717
Non-standard consumer totals	45	4,974
Total for all consumers	103,042	13,691

Price component

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

Billed quantities by price component

Fixed	Variable			
Days	kWh			

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

35,410,206	646,694,986			
857,395	69,244,931			
976,422	249,871,682			
330,556	538,706,988			
52,199	483,097,170			
5,165	433,680,294			
16,062	1,381,650,933			

37,631,943	2,421,296,051	-	-	-
16,062	1,381,650,933	-	-	-
37,648,005	3,802,946,984	-	-	-

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	\$28,822	
GA01	Commercial	Standard	\$1,678	
GA02	Commercial	Standard	\$4,374	
GA03	Commercial	Standard	\$7,032	
GA04	Commercial	Standard	\$4,034	
GA05	Commercial	Standard	\$1,683	
Non-standard	Commercial	Non-standard	\$4,556	
			-	
			-	
			-	
			-	

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

Standard consumer totals	\$47,603	-
Non-standard consumer totals	\$4,556	-
Total for all consumers	\$52,159	-

Price component

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

Line charge revenues (\$000) by price component

Fixed	Variable			
\$/Day	\$/kWh			

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

\$11,948	\$16,874			
\$521	\$1,157			
\$1,052	\$3,322			
\$1,529	\$5,493			
\$740	\$3,284			
\$1,033	\$650			
\$4,017	\$539			

\$16,823	\$30,780	-	-	-
\$4,017	\$539	-	-	-
\$20,840	\$31,319	-	-	-

Company Name

Vector gas distribution business

For Year Ended

30 June 2016

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	217	240	22	4
11	Intermediate Pressure	Main pipe	IP other main pipe	km	-	-	-	N/A
12	Intermediate Pressure	Service pipe	IP PE service pipe	km	0	-	(0)	N/A
13	Intermediate Pressure	Service pipe	IP steel service pipe	km	6	6	(0)	4
14	Intermediate Pressure	Service pipe	IP other service pipe	km	-	-	-	N/A
15	Intermediate Pressure	Stations	Intermediate pressure DRS	No.	93	97	4	3
16	Intermediate Pressure	Line valve	IP line valves	No.	699	678	(21)	3
17	Intermediate Pressure	Special crossings	IP crossings	No.	18	20	2	4
18	Medium Pressure	Main pipe	MP PE main pipe	km	3,408	3,772	365	4
19	Medium Pressure	Main pipe	MP steel main pipe	km	213	214	1	4
20	Medium Pressure	Main pipe	MP other main pipe	km	2	1	(1)	3
21	Medium Pressure	Service pipe	MP PE service pipe	km	2,018	2,132	113	4
22	Medium Pressure	Service pipe	MP steel service pipe	km	29	28	(1)	4
23	Medium Pressure	Service pipe	MP other service pipe	km	3	3	0	4
24	Medium Pressure	Stations	Medium pressure DRS	No.	208	180	(28)	3
25	Medium Pressure	Line valve	MP line valves	No.	2,816	2,901	85	3
26	Medium Pressure	Special crossings	MP special crossings	No.	62	69	7	3
27	Low Pressure	Main pipe	LP PE main pipe	km	0	0	(0)	4
28	Low Pressure	Main pipe	LP steel main pipe	km	-	-	-	N/A
29	Low Pressure	Main pipe	LP other main pipe	km	-	-	-	N/A
30	Low Pressure	Service pipe	LP PE service pipe	km	2	2	(0)	4
31	Low Pressure	Service pipe	LP steel service pipe	km	2	1	(0)	3
32	Low Pressure	Service pipe	LP other service pipe	km	0	0	-	4
33	Low Pressure	Line valve	LP line valves	No.	5	5	-	3
34	Low Pressure	Special crossings	LP special crossings	No.	-	-	-	N/A
35	All	Monitoring and control systems	Remote terminal units	No.	71	78	7	3
36	All	Cathodic protection systems	Cathodic protection	No.	16	15	(1)	4

Company Name	Vector gas distribution business
For Year Ended	30 June 2016
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

8	Disclosure Year (year ended)		30 June 2016		Number of assets at disclosure year end by installation date																						Items at end						
9	Operating Pressure	Asset Category	Asset Class	Units	pre-1970	1970	1975	1980	1985-	1990	1995	2000	2001	2002	2003	2004	2005	2006	2007	2008	2009	2010	2011	2012	2013	2014	2015	2016	No. with age unknown	of year (quantity)	No. with default dates	Data accuracy (1-4)	
10					Intermediate Pressure	Main pipe	IP PE main pipe	km	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
11	Intermediate Pressure	Main pipe	IP steel main pipe	km	47	14	4	16	60	13	49	25	0	1	0	-	0	1	1	0	0	0	0	1	0	1	8	1	-	240	4	N/A	
12	Intermediate Pressure	Main pipe	IP other main pipe	km	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	N/A		
13	Intermediate Pressure	Service pipe	IP PE service pipe	km	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	N/A		
14	Intermediate Pressure	Service pipe	IP steel service pipe	km	0	0	0	0	2	2	2	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	6	4	N/A	
15	Intermediate Pressure	Service pipe	IP other service pipe	km	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	4	N/A	
16	Intermediate Pressure	Stations	Intermediate pressure DRS	No.	6	1	6	7	3	3	54	1	2	1	-	-	1	-	-	1	-	-	1	2	1	2	4	1	-	97	4	-	
17	Intermediate Pressure	Line valve	IP line valves	No.	50	31	16	59	170	100	69	14	8	4	5	3	6	7	4	7	4	10	6	9	8	29	23	6	30	678	4	-	
18	Intermediate Pressure	Special crossings	IP crossings	No.	3	-	-	1	7	-	-	5	1	-	-	-	-	-	1	-	-	1	-	1	-	-	-	-	-	20	4	-	
19	Medium Pressure	Main pipe	MP PE main pipe	km	14	4	17	60	182	514	1,484	172	94	81	128	90	100	119	98	67	40	48	59	63	86	97	84	71	3	3,772	4	-	
20	Medium Pressure	Main pipe	MP steel main pipe	km	11	24	14	77	75	5	5	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	214	4	-
21	Medium Pressure	Main pipe	MP other main pipe	km	1	0	0	0	0	0	0	0	0	0	0	0	-	-	-	-	-	-	-	-	-	-	-	-	0	1	3	-	
22	Medium Pressure	Service pipe	MP PE service pipe	km	4	1	2	6	62	326	663	98	55	58	79	94	79	79	73	60	37	44	64	54	54	55	42	42	1	2,132	4	-	
23	Medium Pressure	Service pipe	MP steel service pipe	km	2	1	2	6	7	4	4	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	28	4	-
24	Medium Pressure	Service pipe	MP other service pipe	km	0	0	0	0	2	0	0	0	-	-	-	0	0	-	-	0	-	-	-	-	0	-	-	-	-	-	3	3	-
25	Medium Pressure	Stations	Medium pressure DRS	No.	1	2	1	7	29	82	37	2	-	2	-	4	4	2	1	1	-	-	1	1	1	1	1	-	1	180	4	-	
26	Medium Pressure	Line valve	MP line valves	No.	44	92	103	651	653	423	256	46	35	37	21	18	39	40	29	30	31	14	35	28	52	51	58	40	75	2,901	4	-	
27	Medium Pressure	Special crossings	MP special crossings	No.	-	1	2	7	11	9	12	5	-	-	-	-	-	3	2	2	-	3	2	-	2	1	-	-	7	69	4	-	
28	Low Pressure	Main pipe	LP PE main pipe	km	-	0	-	0	-	0	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	0	-	-	-	0	4	-	
29	Low Pressure	Main pipe	LP steel main pipe	km	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	N/A	
30	Low Pressure	Main pipe	LP other main pipe	km	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	N/A	
31	Low Pressure	Service pipe	LP PE service pipe	km	0	0	0	0	1	1	0	0	-	-	-	-	-	-	-	-	-	-	-	-	-	0	-	-	-	2	4	-	
32	Low Pressure	Service pipe	LP steel service pipe	km	0	0	0	0	0	0	0	0	-	-	-	-	0	-	-	-	-	-	-	-	-	-	-	-	0	1	4	-	
33	Low Pressure	Service pipe	LP other service pipe	km	-	-	-	-	-	0	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	0	0	4	-
34	Low Pressure	Line valve	LP line valves	No.	-	-	1	-	-	1	1	-	-	-	-	-	-	-	-	-	-	-	2	-	-	-	-	-	-	5	4	-	
35	Low Pressure	Special crossings	LP special crossings	No.	-	-	-	-	-	-	32	1	1	1	-	-	4	1	19	3	1	-	1	-	-	-	3	3	1	-	-	N/A	-
36	All	Monitoring and control system	Remote terminal units	No.	-	-	-	-	-	-	-	2	1	1	1	-	-	-	-	-	-	-	-	-	-	-	-	-	7	78	4	-	
37	All	Cathodic protection systems	Cathodic protection	No.	1	1	2	4	3	-	-	2	1	-	-	1	-	-	-	-	-	-	-	-	-	-	-	-	-	15	4	3	

Company Name

Vector gas distribution business

For Year Ended

30 June 2016

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)

%

Steel	489	7.64%
PE	5,906	92.29%
Other	4	0.07%
		-
		-
		-
System length	6,399	100.00%

By operating pressure:

Intermediate pressure

Medium pressure

Low pressure

Total

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)
246	163	196	3,083
6,150	38	103,701	7,367
3	42	439	16
6,399	43	104,336	10,465

Company Name **Vector gas distribution business**For Year Ended **30 June 2016**

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

3,157

14

Commercial

166

15

16

17

18

Total

3,323

19

9d(ii): Gas Delivered

20

21

Number of ICPs at year end

104,322

connections

22

Maximum daily load

60,433

(GJ per day)

23

Maximum monthly load

1,484,160

(GJ per month)

24

Number of directly billed ICPs

1

(at year end)

25

Total gas conveyed

13,930,487

(GJ per annum)

26

Average daily delivery

38,061

(GJ per day)

27

28

Load factor

78.22%

Company Name **Vector gas distribution business**For Year Ended **30 June 2016**

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)
 Class C (unplanned interruptions on the network)
 Class D (unplanned interruptions by GTB)
 Class I (unplanned interruptions caused by third party damage)

-
440
64
-
241
745

Total

Number of unplanned outage events (interruptions that affect more than 5 ICPs)

Actual

Auckland Region	9

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

Actual

Auckland Region	7

10a(ii): Reliability**Overall reliability****SAIDI SAIFI CAIDI**

Based on the total number of interruptions
 Class I (unplanned interruptions caused by third party damage)

1,413	9.60	147
357	3.28	109

Class B (planned interruptions on the network)

SAIDI SAIFI CAIDI

Auckland Region	731	5.26	139
			-
			-
			-
			-

Class C (unplanned interruptions on the network)

SAIDI SAIFI CAIDI

Auckland Region	324	1.05	309
			-
			-
			-
			-

Company Name

Vector gas distribution business

For Year Ended

30 June 2016

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 Region	31.739

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

Actual

Vector Region	7.422

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

Actual

Vector Region	55.583

Number of poor pressure events due to network causes

Actual

Vector Region	4.000

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

Actual

Vector Region	90.10%

Product control—safety of distribution gas

Actual

Number of non-compliant odour tests

2

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 Region	95.60%	100.00%	0.60	91

Number of complaints

Actual

Number of complaints per average total consumer numbers

0.0013