



**GTB Information Disclosure Requirements  
Information Templates  
for  
Schedules 11–12b**

Company Name	<input type="text" value="Vector"/>
Disclosure Date	<input type="text" value="30 June 2014"/>
AMP Planning Period Start Date (first day)	<input type="text" value="1 July 2014"/>

Templates for Schedules 11a–13 (Asset Management Plan)  
Template Version 2.0. Prepared 21 December 2012

**Table of Contents**

Schedule Description

***Asset Management Plan Schedule Templates***

- 11a [Report on Forecast Capital Expenditure](#)
- 11b [Report on Forecast Operational Expenditure](#)
- 12a [Report on Asset Condition](#)
- 12b [Report on Forecast Demand](#)

### **Disclosure Template Guidelines for Information Entry**

These templates have been prepared for use by GTBs when making disclosures under subclauses 2.6.1(4), 2.6.1(5) and 2.6.5(4) of the Gas Transmission Information Disclosure Determination 2012. Disclosures made under subclauses 2.6.1(4) and 2.6.1(5) must be made before the start of each disclosure year. Disclosures made under subclauses 2.6.5(4) must be made within 5 months after the start of the disclosure year. A copy must be provided to the Commission within 5 working days of being disclosed to the public. The information disclosed under 2.6.5(4) should be identical to that disclosed under 2.6.1(4) and 2.6.1(5).

#### ***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 first day of the 10 year planning period 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 (planning period start date) is used to calculate disclosure years in the column headings that show above some of the tables. It is also used to calculate the AMP planning period dates 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. Under no circumstances should the formulas in a calculated cell be overwritten.

#### ***Validation Settings on Data Entry Cells***

To maintain a consistency of format and to guard against errors in data entry, some data entry cells test entries for validity and accept only a limited range of values. For example, entries may be limited to a list of category names or to values between 0% and 100%. Where this occurs, a validation message will appear when data is being entered.

#### ***Conditional Formatting Settings on Data Entry Cells***

Schedule 12a columns F to J contain conditional formatting. The cells will change colour if the row totals do not add to 100%.

#### ***Inserting Additional Rows***

The templates for schedules 11a and 12b may require additional rows to be inserted in tables marked 'include additional rows if needed'.

Additional rows 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.

#### ***Schedule References***

The references labelled 'sch ref' in the leftmost column of each template are consistent with the row references in the Gas Transmission ID Determination 2012 (as issued on 1 October 2012). They provide a common reference between the rows in the determination and the template. Due to page formatting, the row reference sequences contained in the determination schedules are not necessarily contiguous.

#### ***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.



Company Name	Vector
AMP Planning Period	1 July 2014 – 30 June 2024

**SCHEDULE 11a: REPORT ON FORECAST CAPITAL EXPENDITURE**

This schedule requires a breakdown of forecast expenditure on assets for the current disclosure year and a 10 year planning period. The forecasts should be consistent with the supporting information set out in the AMP. The forecast is to be expressed in both constant price and nominal dollar terms. Also required is a forecast of the value of commissioned assets (i.e., the value of RAB additions)

GTBs must provide explanatory comment on the difference between constant price and nominal dollar forecasts of expenditure on assets in Schedule 14a (Mandatory Explanatory Notes). This information is not part of audited disclosure information.

sch ref

	Current Year CY	CY+1	CY+2	CY+3	CY+4	CY+5	CY+6	CY+7	CY+8	CY+9	CY+10
for year ended	30 Jun 14	30 Jun 15	30 Jun 16	30 Jun 17	30 Jun 18	30 Jun 19	30 Jun 20	30 Jun 21	30 Jun 22	30 Jun 23	30 Jun 24
<b>Difference between nominal and constant price forecasts</b>	<b>\$000</b>										
Consumer connection	-	-	52	83	109	135	167	196	225	255	285
System growth	-	92	60	63	-	-	-	-	-	-	-
Asset replacement and renewal	(1)	213	555	885	756	1,434	1,516	1,456	1,740	1,733	1,768
Asset relocations	(1)	264	433	290	109	135	167	196	225	255	285
Reliability, safety and environment:											
Quality of supply	-	-	-	-	-	-	-	-	-	-	-
Legislative and regulatory	-	-	-	-	-	-	-	-	-	-	-
Other Reliability, Safety and Environment	-	-	-	-	-	-	-	-	-	-	-
<b>Total reliability, safety and environment</b>	-	-	-	-	-	-	-	-	-	-	-
<b>Expenditure on network assets</b>	(2)	569	1,100	1,321	974	1,704	1,850	1,848	2,190	2,243	2,338
Non-network assets	1	48	123	105	137	243	428	231	258	339	344
<b>Expenditure on assets</b>	(1)	617	1,223	1,426	1,111	1,947	2,278	2,079	2,448	2,582	2,682

	Current Year CY	CY+1	CY+2	CY+3	CY+4	CY+5
for year ended	30 Jun 14	30 Jun 15	30 Jun 16	30 Jun 17	30 Jun 18	30 Jun 19
<b>11a(ii): Consumer Connection</b>	<b>\$000 (in constant prices)</b>					
<i>Consumer types defined by GTB*</i>						
New Connections/Load Increase	1,519	-	947	947	947	947
<i>* include additional rows if needed</i>						
<b>Consumer connection expenditure</b>	1,519	-	947	947	947	947
less Capital contributions funding consumer connection	19	-	-	-	-	-
<b>Consumer connection less capital contributions</b>	1,500	-	947	947	947	947

<b>11a(iii): System Growth</b>						
Pipes	-	-	-	-	-	-
Compressor stations	-	-	-	-	-	-
Other stations	2,131	3,408	1,089	710	-	-
SCADA and communications	-	-	-	-	-	-
Special crossings	-	-	-	-	-	-
<b>System growth expenditure</b>	2,131	3,408	1,089	710	-	-
less Capital contributions funding system growth	-	-	-	-	-	-
<b>System growth less capital contributions</b>	2,131	3,408	1,089	710	-	-

	Current Year CY	CY+1	CY+2	CY+3	CY+4	CY+5
for year ended	30 Jun 14	30 Jun 15	30 Jun 16	30 Jun 17	30 Jun 18	30 Jun 19
<b>11a(iv): Asset Replacement and Renewal</b>	<b>\$000 (in constant prices)</b>					
Pipes	1,740	1,282	1,092	997	902	997
Compressor stations	2,737	1,415	3,693	3,124	1,244	2,336
Other stations	2,278	3,466	3,181	3,798	2,996	3,133
SCADA and communications	326	190	190	190	190	1,899
Special crossings	2	95	95	285	95	285

Company Name **Vector**  
 AMP Planning Period **1 July 2014 – 30 June 2024**

**SCHEDULE 11a: REPORT ON FORECAST CAPITAL EXPENDITURE**

This schedule requires a breakdown of forecast expenditure on assets for the current disclosure year and a 10 year planning period. The forecasts should be consistent with the supporting information set out in the AMP. The forecast is to be expressed in both constant price and nominal dollar terms. Also required is a forecast of the value of commissioned assets (i.e., the value of RAB additions)

GTBs must provide explanatory comment on the difference between constant price and nominal dollar forecasts of expenditure on assets in Schedule 14a (Mandatory Explanatory Notes). This information is not part of audited disclosure information.

sch ref

104	<i>Components of stations (where known)</i>						
105	Main-line valves		83	190	285	190	190
106	Heating system		284	570	570	475	285
107	Odourisation plants		193	-	-	285	285
108	Coalescers		-	-	-	-	-
109	Metering system		294	665	688	589	475
110	Cathodic protection		96	133	104	152	152
111	Chromatographs		38	-	85	-	85
112	<b>Asset replacement and renewal expenditure</b>		<b>8,071</b>	<b>8,006</b>	<b>9,983</b>	<b>10,085</b>	<b>6,566</b>
113	less Capital contributions funding asset replacement and renewal		-	-	-	-	-
114	<b>Asset replacement and renewal less capital contributions</b>		<b>8,071</b>	<b>8,006</b>	<b>9,983</b>	<b>10,085</b>	<b>6,566</b>

**11a(v): Asset Relocations**

115	<b>Project or programme*</b>						
117	Waikanae Expressway		2,271	5,649	1,194	-	-
118	Transmission Gully		65	3,766	5,649	2,354	-
119							
120							
121							
122	<i>* include additional rows if needed</i>						
123	All other asset relocations projects or programmes		462	424	941	941	941
124	<b>Asset relocations expenditure</b>		<b>2,798</b>	<b>9,839</b>	<b>7,784</b>	<b>3,295</b>	<b>941</b>
125	less Capital contributions funding asset relocations		2,582	9,860	8,052	3,408	974
126	<b>Asset Relocations less capital contributions</b>		<b>216</b>	<b>(21)</b>	<b>(268)</b>	<b>(113)</b>	<b>(33)</b>

**11a(vi): Quality of Supply**

127	<b>Project or programme*</b>						
129							
130							
131							
132							
133							
134	<i>* include additional rows if needed</i>						
135	All other quality of supply projects or programmes						
136	<b>Quality of supply expenditure</b>		-	-	-	-	-
137	less Capital contributions funding quality of supply						
138	<b>Quality of supply less capital contributions</b>		-	-	-	-	-

**11a(vii): Legislative and Regulatory**

139	<b>Project or programme*</b>						
141	[Description of material project or programme]						
142	[Description of material project or programme]						
143	[Description of material project or programme]						
144	[Description of material project or programme]						
145	[Description of material project or programme]						
146	<i>* include additional rows if needed</i>						
147	All other legislative and regulatory projects or programmes						
148	<b>Legislative and regulatory expenditure</b>		-	-	-	-	-
149	less Capital contributions funding legislative and regulatory						
150	<b>Legislative and regulatory less capital contributions</b>		-	-	-	-	-

Company Name	Vector
AMP Planning Period	1 July 2014 – 30 June 2024

**SCHEDULE 11a: REPORT ON FORECAST CAPITAL EXPENDITURE**

This schedule requires a breakdown of forecast expenditure on assets for the current disclosure year and a 10 year planning period. The forecasts should be consistent with the supporting information set out in the AMP. The forecast is to be expressed in both constant price and nominal dollar terms. Also required is a forecast of the value of commissioned assets (i.e., the value of RAB additions)

GTBs must provide explanatory comment on the difference between constant price and nominal dollar forecasts of expenditure on assets in Schedule 14a (Mandatory Explanatory Notes). This information is not part of audited disclosure information.

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	Current Year CY for year ended 30 Jun 14	CY+1 30 Jun 15	CY+2 30 Jun 16	CY+3 30 Jun 17	CY+4 30 Jun 18	CY+5 30 Jun 19
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**11a(viii): Other Reliability, Safety and Environn**

Project or programme\*


\$000 (in constant prices)


\* include additional rows if needed

All other reliability, safety and environment projects or programmes

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**Other reliability, safety and environment total**

-	-	-	-	-	-	-
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less Capital contributions funding other reliability, safety and environment

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**Other reliability, safety and environment less capital contributions**

-	-	-	-	-	-	-
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**11a(ix): Non-Network Assets**

Routine expenditure

Project or programme\*


\$000 (in constant prices)


\* include additional rows if needed

All other routine expenditure projects or programmes

1,192	1,482	1,920	901	889	1,076
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**Routine expenditure**

1,192	1,482	1,920	901	889	1,076
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Atypical expenditure

Project or programme\*



\* include additional rows if needed

All other atypical expenditure projects or programmes

254	298	298	298	298	624
-----	-----	-----	-----	-----	-----

**Atypical expenditure**

254	298	298	298	298	624
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**Non-network assets expenditure**

1,446	1,780	2,218	1,199	1,187	1,700
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Company Name	<b>Vector</b>
AMP Planning Period	<b>1 July 2014 – 30 June 2024</b>

**SCHEDULE 11b: REPORT ON FORECAST OPERATIONAL EXPENDITURE**

This schedule requires a breakdown of forecast operational expenditure for the disclosure year and a 10 year planning period. The forecasts should be consistent with the supporting information set out in the AMP. The forecast is to be expressed in both constant price and nominal dollar terms.

GTBs must provide explanatory comment on the difference between constant price and nominal dollar operational expenditure forecasts in Schedule 14a (Mandatory Explanatory Notes). This information is not part of audited disclosure information.

sch ref		Current Year CY	CY+1	CY+2	CY+3	CY+4	CY+5	CY+6	CY+7	CY+8	CY+9	CY+10
		for year ended 30 Jun 14	30 Jun 15	30 Jun 16	30 Jun 17	30 Jun 18	30 Jun 19	30 Jun 20	30 Jun 21	30 Jun 22	30 Jun 23	30 Jun 24
7												
8												
9												
10	<b>Operational Expenditure Forecast</b>	<b>\$000 (in nominal dollars)</b>										
11	Service interruptions, incidents and emergencies	644	679	723	745	764	783	802	822	843	864	886
12	Routine and corrective maintenance and inspection	11,322	10,880	11,122	11,463	11,750	13,383	14,404	14,061	12,969	13,663	14,640
13	Asset replacement and renewal	-	-	-	-	-	-	-	-	-	-	-
14	<b>Network opex</b>	11,966	11,559	11,845	12,208	12,514	14,166	15,206	14,883	13,812	14,527	15,526
15	System operations	394	757	650	670	687	704	722	740	758	777	796
16	Network support	7,761	6,226	6,117	6,305	6,463	6,624	6,790	6,960	7,134	7,312	7,495
17	Business support	6,830	8,035	8,260	8,514	8,727	8,945	9,168	9,398	9,632	9,873	10,120
18	Compressor fuel	3,710	3,926	4,790	4,875	4,997	5,122	5,250	5,381	5,516	5,653	5,795
19	Land management and associated activity	136	91	148	153	157	161	165	169	173	177	182
20	<b>Non-network opex</b>	18,831	19,035	19,905	20,517	21,031	21,556	22,095	22,648	23,213	23,792	24,388
21	<b>Operational expenditure</b>	30,797	30,594	31,750	32,725	33,545	35,722	37,301	37,531	37,025	38,319	39,914
22												
23												
24												
25												
26												
27												
28												
29												
30												
31												
32												
33												
34												
35												
36	<b>Subcomponents of operational expenditure (where known)</b>											
37	Research and Development	-	-	-	-	-	-	-	-	-	-	-
38	Insurance	1,951	1,938	1,938	1,938	1,938	1,938	1,938	1,938	1,938	1,938	1,938
39												
40												
41	<b>Difference between nominal and real forecasts</b>	<b>\$000</b>										
42	Service interruptions, incidents and emergencies	-	18	38	60	79	98	117	137	158	179	201
43	Routine and corrective maintenance and inspection	-	284	586	927	1,214	1,675	2,110	2,353	2,433	2,834	3,320
44	Asset replacement and renewal	-	-	-	-	-	-	-	-	-	-	-
45	<b>Network opex</b>	-	302	624	987	1,293	1,773	2,227	2,490	2,591	3,013	3,521
46	System operations	-	20	34	54	71	88	106	124	142	161	180
47	Network support	-	163	322	510	668	829	995	1,165	1,339	1,517	1,700
48	Business support	-	210	435	689	902	1,120	1,343	1,573	1,807	2,048	2,295
49	Compressor fuel	-	103	249	394	516	641	769	900	1,035	1,172	1,314
50	Land management and associated activity	-	2	7	12	16	20	24	28	32	36	41
51	<b>Non-network opex</b>	-	498	1,047	1,659	2,173	2,698	3,237	3,790	4,355	4,934	5,530
52	<b>Operational expenditure</b>	-	800	1,671	2,646	3,466	4,471	5,464	6,280	6,946	7,947	9,051

Company Name	Vector
AMP Planning Period	1 July 2014 – 30 June 2024

**SCHEDULE 12a: REPORT ON ASSET CONDITION**

This schedule requires a breakdown of asset condition by asset class as at the start of the forecast year. The data accuracy assessment relates to the percentage values disclosed in the asset condition columns. Also required is a forecast of the percentage of units to be replaced in the next 5 years. All information should be consistent with the information provided in the AMP and the expenditure on assets forecast in Schedule 11a.

sch ref

7

**Asset condition at start of planning period (percentage of units by grade)**

8	Asset category	Asset class	Units	Grade 1	Grade 2	Grade 3	Grade 4	Grade unknown	Data accuracy (1–4)	% of asset forecast to be replaced in next 5 years
9	Pipes	Protected steel pipes	km	-	0.4%	30.1%	69.4%	-	3	0.3%
10	Pipes	Special crossings	km	-	2.1%	30.7%	67.2%	-	3	0.0%
11	Stations	Compressor stations	No.	-	12.5%	87.5%	-	-	3	-
12	Stations	Offtake point	No.	-	41.2%	58.8%	-	-	3	1.8%
13	Stations	Scraper stations	No.	-	-	100.0%	-	-	3	-
14	Stations	Intake points	No.	-	-	100.0%	-	-	3	-
15	Stations	Metering stations	No.	-	-	100.0%	-	-	3	-
16	Compressors	Compressors—turbine driven	No.	-	-	100.0%	-	-	4	-
17	Compressors	Compressors—electric motor driven	No.	-	-	-	-	-	N/A	-
18	Compressors	Compressors—reciprocating engine driven	No.	21.1%	63.2%	15.8%	-	-	4	-
19	Main-line valves	Main line valves manually operated	No.	-	9.9%	90.1%	-	-	4	-
20	Main-line valves	Main line valves remotely operated	No.	-	-	100.0%	-	-	4	-
21	Heating systems	Gas-fired heaters	No.	-	21.4%	68.0%	10.7%	-	4	7.0%
22	Heating systems	Electric heaters	No.	-	-	100.0%	-	-	4	-
23	Odourisation plants	Odourisation plants	No.	-	4.3%	95.7%	-	-	4	-
24	Coalescers	Coalescers	No.	-	-	100.0%	-	-	4	-
25	Metering systems	Meters—ultrasonic	No.	14.3%	28.6%	57.1%	-	-	4	-
26	Metering systems	Meters—rotary	No.	51.7%	13.8%	34.5%	-	-	4	10.0%
27	Metering systems	Meters turbine	No.	63.9%	13.9%	16.7%	5.6%	-	4	30.0%
28	Metering systems	Meters—mass flow	No.	-	-	100.0%	-	-	4	-
29	SCADA and communications	Remote terminal units (RTU)	No.	-	40.3%	40.3%	19.4%	-	4	7.5%
30	SCADA and communications	Communications terminals	No.	-	-	100.0%	-	-	4	-
31	Cathodic protection	Rectifier units	No.	-	12.1%	81.8%	6.1%	-	4	18.0%
32	Chromatographs	Chromatographs	No.	33.3%	33.3%	22.2%	11.1%	-	4	20.0%

Company Name

Vector

AMP Planning Period

1 July 2014 – 30 June 2024

**SCHEDULE 12b: REPORT ON FORECAST DEMAND**

This Schedule requires a forecast of new connections (by consumer type) and gas delivered for the current disclosure year and a 5 year planning period. The forecasts should be consistent with the supporting information set out in the AMP and the assumptions used in developing the capital expenditure forecast in Schedule S11a [and 11b]

sch ref

**12b(i): Connections**

	Current Year CY	CY+1	CY+2	CY+3	CY+4	CY+5
for year ended	30 Jun 14	30 Jun 15	30 Jun 16	30 Jun 17	30 Jun 18	30 Jun 19

**Consumer types defined by GTB**

[GTB consumer type]	(1)	2				
[GTB consumer type]						
[GTB consumer type]						
[GTB consumer type]						
[GTB consumer type]						

\* include additional rows if needed

<b>Connections total</b>	(1)	2	-	-	-	-
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	Current Year CY	CY+1	CY+2	CY+3	CY+4	CY+5
for year ended	30 Jun 14	30 Jun 15	30 Jun 16	30 Jun 17	30 Jun 18	30 Jun 19

**12b(ii): Gas conveyed**

Total gas entering the system at injection points	85,146	86,943	86,937	86,935	86,936	86,940
Total gas delivered to consumers	83,909	85,679	85,674	85,672	85,672	85,676
Total gas used in compressor stations	531	542	542	542	542	542
Total gas used in heating systems	122	125	124	124	124	125
Total unaccounted for gas	247	597	597	597	597	597
<b>Total gas conveyed</b>	<b>84,561</b>	<b>86,346</b>	<b>86,340</b>	<b>86,338</b>	<b>86,339</b>	<b>86,343</b>