



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

Company Name	<input type="text" value="Vector"/>
Disclosure Date	<input type="text"/>
AMP Planning Period Start Date (first day)	<input type="text" value="1 July 2013"/>

Templates for Schedules 11a–12b (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 2013 – 30 June 2023

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 13	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
9	11a(i): Expenditure on Assets Forecast	\$000 (nominal dollars)										
10	Consumer connection	147	1,944	998	1,033	1,065	1,091	1,118	1,146	1,175	1,204	1,235
11	System growth	1,734	1,069	200	1,136	798	436	-	-	-	-	-
12	Asset replacement and renewal	11,255	8,513	8,274	10,898	11,340	7,562	11,855	10,427	8,767	9,349	8,419
13	Asset relocations	180	5,687	3,078	2,568	2,646	2,713	2,780	2,850	2,921	2,994	3,069
14	Reliability, safety and environment:											
15	Quality of supply	-	-	-	-	-	-	-	-	-	-	-
16	Legislative and regulatory	-	-	-	-	-	-	-	-	-	-	-
17	Other Reliability, Safety and Environment	-	-	-	-	-	-	-	-	-	-	-
18	Total reliability, safety and environment	-	-	-	-	-	-	-	-	-	-	-
19	Expenditure on network assets	13,316	17,214	12,550	15,634	15,849	11,802	15,754	14,423	12,863	13,547	12,722
20	Non-network assets	2,500	3,258	3,498	3,366	3,235	2,712	3,234	3,825	3,006	2,885	2,958
21	Expenditure on assets	15,816	20,472	16,048	19,000	19,084	14,514	18,988	18,248	15,870	16,433	15,680
22												
23	plus Cost of financing	424	560	417	492	495	381	492	469	415	431	412
24	less Value of capital contributions	385	5,668	2,670	2,125	2,190	2,245	2,301	2,358	2,417	2,478	2,540
25	plus Value of vested assets	-	-	-	-	-	-	-	-	-	-	-
26	Capital expenditure forecast	15,856	15,365	13,794	17,368	17,389	12,650	17,179	16,359	13,867	14,386	13,552
27												
28	Value of Commissioned assets	15,856	15,368	13,801	17,361	17,387	12,655	17,179	16,359	13,867	14,386	13,552
29												
30		Current Year CY	CY+1	CY+2	CY+3	CY+4	CY+5	CY+6	CY+7	CY+8	CY+9	CY+10
31	for year ended	30 Jun 13	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
32		\$000 (in constant prices)										
33	Consumer connection	147	1,881	940	940	940	940	940	940	940	940	940
34	System growth	1,734	1,035	188	1,035	705	376	-	-	-	-	-
35	Asset replacement and renewal	11,255	8,239	7,800	9,919	10,018	6,524	9,969	8,555	7,017	7,300	6,414
36	Asset relocations	180	5,502	2,899	2,338	2,338	2,338	2,338	2,338	2,338	2,338	2,338
37	Reliability, safety and environment:											
38	Quality of supply	-	-	-	-	-	-	-	-	-	-	-
39	Legislative and regulatory	-	-	-	-	-	-	-	-	-	-	-
40	Other Reliability, Safety and Environment	-	-	-	-	-	-	-	-	-	-	-
41	Total reliability, safety and environment	-	-	-	-	-	-	-	-	-	-	-
42	Expenditure on network assets	13,316	16,657	11,827	14,232	14,001	10,178	13,248	11,833	10,296	10,579	9,692
43	Non-network assets	2,500	3,180	3,324	3,092	2,884	2,358	2,720	3,138	2,406	2,253	2,253
44	Expenditure on assets	15,816	19,837	15,151	17,324	16,885	12,536	15,968	14,971	12,702	12,832	11,945
45	Subcomponents of expenditure on assets (where known)											
46	Research and development	-	-	-	-	-	-	-	-	-	-	-

Company Name	Vector
AMP Planning Period	1 July 2013 – 30 June 2023

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).
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sch ref

	Current Year CY for year ended	CY+1	CY+2	CY+3	CY+4	CY+5
			30 Jun 15	30 Jun 16	30 Jun 17	30 Jun 18
97	\$000 (in constant prices)					
98	11a(iv): Asset Replacement and Renewal					
99	Pipes	1,653	1,037	1,273	1,085	990
100	Compressor stations	5,215	1,877	1,254	3,669	3,103
101	Other stations	2,198	3,395	3,443	3,160	3,773
102	SCADA and communications	86	189	189	189	189
103	Special crossings	225	236	94	94	283
104	<i>Components of stations (where known)</i>					
105	Main-line valves	243	184	189	283	189
106	Heating system	798	377	566	566	472
107	Odourisation plants	132	189	-	-	283
108	Coalescers	-	-	-	-	-
109	Metering system	559	566	660	684	585
110	Cathodic protection	54	104	132	104	151
111	Chromatographs	92	85	-	85	-
112	Asset replacement and renewal expenditure	11,255	8,239	7,800	9,919	10,018
113	less Capital contributions funding asset replacement and renewal	54	276	-	-	-
114	Asset replacement and renewal less capital contributions	11,201	7,963	7,800	9,919	10,018
115	11a(v): Asset Relocations					
116	Project or programme*					
117	Waikanae Expressway	180	4,286	1,496	-	-
118	Transmission Gully	-	281	468	1,403	1,403
119	Other NZTA	-	935	935	935	935
120	[Description of material project or programme]					
121	[Description of material project or programme]					
122	<i>* include additional rows if needed</i>					
123	All other asset relocations projects or programmes					
124	Asset relocations expenditure	180	5,502	2,899	2,338	2,338
125	less Capital contributions funding asset relocations	250	5,208	2,515	1,935	1,935
126	Asset Relocations less capital contributions	(70)	294	384	403	403
127	11a(vi): Quality of Supply					
128	Project or programme*					
129	[Description of material project or programme]					
130	[Description of material project or programme]					
131	[Description of material project or programme]					
132	[Description of material project or programme]					
133	[Description of material project or programme]					
134	<i>* include additional rows if needed</i>					
135	All other quality of supply projects or programmes					
136	Quality of supply expenditure	-	-	-	-	-
137	less Capital contributions funding quality of supply					
138	Quality of supply less capital contributions	-	-	-	-	-

Company Name	Vector
AMP Planning Period	1 July 2013 – 30 June 2023

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

11a(vii): Legislative and Regulatory

	Current Year CY 30 Jun 13	CY+1 30 Jun 14	CY+2 30 Jun 15	CY+3 30 Jun 16	CY+4 30 Jun 17	CY+5 30 Jun 18
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]						
<i>* include additional rows if needed</i>						
All other legislative and regulatory projects or programmes						
Legislative and regulatory expenditure	-	-	-	-	-	-
less Capital contributions funding legislative and regulatory						
Legislative and regulatory less capital contributions	-	-	-	-	-	-

11a(viii): Other Reliability, Safety and Environ

	Current Year CY 30 Jun 13	CY+1 30 Jun 14	CY+2 30 Jun 15	CY+3 30 Jun 16	CY+4 30 Jun 17	CY+5 30 Jun 18
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]						
<i>* include additional rows if needed</i>						
All other reliability, safety and environment projects or programmes						
Other reliability, safety and environment total	-	-	-	-	-	-
less Capital contributions funding other reliability, safety and environment						
Other reliability, safety and environment less capital contributions	-	-	-	-	-	-

11a(ix): Non-Network Assets

	Current Year CY 30 Jun 13	CY+1 30 Jun 14	CY+2 30 Jun 15	CY+3 30 Jun 16	CY+4 30 Jun 17	CY+5 30 Jun 18
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]						
<i>* include additional rows if needed</i>						
All other routine expenditure projects or programmes	2,500	3,180	3,324	3,092	2,884	2,358
Routine expenditure	2,500	3,180	3,324	3,092	2,884	2,358
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]						
<i>* include additional rows if needed</i>						
All other atypical expenditure projects or programmes						
Atypical expenditure	-	-	-	-	-	-
Non-network assets expenditure	2,500	3,180	3,324	3,092	2,884	2,358

Company Name **Vector**
 AMP Planning Period **1 July 2013 – 30 June 2023**

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.

	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 13	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
Operational Expenditure Forecast											
	\$000 (in nominal dollars)										
Service interruptions, incidents and emergencies	851	904	946	930	959	983	1,112	1,195	1,168	1,085	1,141
Routine and corrective maintenance and inspection	8,226	8,573	8,967	8,815	9,085	9,313	10,544	11,320	11,078	10,279	10,812
Asset replacement and renewal	-	-	-	-	-	-	-	-	-	-	-
Network opex	9,077	9,477	9,913	9,745	10,044	10,296	11,656	12,515	12,246	11,364	11,953
System operations	1,083	1,117	1,160	1,164	1,200	1,230	1,338	1,411	1,406	1,357	1,412
Network support	11,879	12,037	12,565	12,967	13,365	13,699	14,109	14,496	14,824	15,121	15,518
Business support	8,640	9,325	9,580	9,901	10,205	10,460	10,740	11,018	11,284	11,546	11,840
Compressor fuel	4,103	3,990	4,098	4,239	4,369	4,478	4,590	4,705	4,823	4,943	5,067
Land management and associated activity	637	684	717	704	726	744	842	904	885	821	864
Non-network opex	26,342	27,153	28,120	28,975	29,865	30,611	31,619	32,534	33,222	33,788	34,701
Operational expenditure	35,419	36,630	38,033	38,720	39,909	40,907	43,275	45,049	45,468	45,152	46,654
	\$000 (in constant prices)										
Service interruptions, incidents and emergencies	851	875	891	847	847	847	935	980	935	847	869
Routine and corrective maintenance and inspection	8,226	8,294	8,447	8,027	8,027	8,027	8,867	9,287	8,867	8,027	8,237
Asset replacement and renewal	-	-	-	-	-	-	-	-	-	-	-
Network opex	9,077	9,169	9,338	8,874	8,874	8,874	9,802	10,267	9,802	8,874	9,106
System operations	1,083	1,081	1,093	1,060	1,060	1,060	1,125	1,158	1,125	1,060	1,076
Network support	11,879	11,645	11,836	11,808	11,808	11,808	11,865	11,893	11,865	11,808	11,822
Business support	8,640	9,021	9,024	9,016	9,016	9,016	9,032	9,039	9,032	9,016	9,020
Compressor fuel	4,103	3,860	3,860	3,860	3,860	3,860	3,860	3,860	3,860	3,860	3,860
Land management and associated activity	637	662	675	641	641	641	708	742	708	641	658
Non-network opex	26,342	26,269	26,488	26,385	26,385	26,385	26,590	26,692	26,590	26,385	26,436
Operational expenditure	35,419	35,438	35,826	35,259	35,259	35,259	36,392	36,959	36,392	35,259	35,542
Subcomponents of operational expenditure (where known)											
Research and Development	-	-	-	-	-	-	-	-	-	-	-
Insurance	1,966	2,226	2,530	2,784	2,831	2,831	2,831	2,831	2,831	2,831	2,831
	\$000										
Service interruptions, incidents and emergencies	-	29	55	83	112	136	177	215	233	238	272
Routine and corrective maintenance and inspection	-	279	520	788	1,058	1,286	1,677	2,033	2,211	2,252	2,575
Asset replacement and renewal	-	-	-	-	-	-	-	-	-	-	-
Network opex	-	308	575	871	1,170	1,422	1,854	2,248	2,444	2,490	2,847
System operations	-	36	67	104	140	170	213	253	281	297	336
Network support	-	392	729	1,159	1,557	1,891	2,244	2,603	2,959	3,313	3,696
Business support	-	304	556	885	1,189	1,444	1,708	1,979	2,252	2,530	2,820
Compressor fuel	-	130	238	379	509	618	730	845	963	1,083	1,207
Land management and associated activity	-	22	42	63	85	103	134	162	177	180	206
Non-network opex	-	884	1,632	2,590	3,480	4,226	5,029	5,842	6,632	7,403	8,265
Operational expenditure	-	1,192	2,207	3,461	4,650	5,648	6,883	8,090	9,076	9,893	11,112

Company Name	Vector
AMP Planning Period	1 July 2013 – 30 June 2023

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

		Asset condition at start of planning period (percentage of units by grade)							% of asset forecast to be replaced in next 5 years	
8	Asset category	Asset class	Units	Grade 1	Grade 2	Grade 3	Grade 4	Grade unknown	Data accuracy (1-4)	
7										
9	Pipes	Protected steel pipes	km	0.00%	0.43%	30.18%	69.39%	0.00%	3	0.30%
10	Pipes	Special crossings	km	0.00%	2.10%	30.69%	67.20%	0.00%	3	-
11	Stations	Compressor stations	No.	0.00%	12.50%	87.50%	0.00%	0.00%	3	-
12	Stations	Offtake point	No.	0.00%	5.22%	94.78%	0.00%	0.00%	3	0.90%
13	Stations	Scraper stations	No.	0.00%	0.00%	100.00%	0.00%	0.00%	3	-
14	Stations	Intake points	No.	0.00%	0.00%	100.00%	0.00%	0.00%	3	-
15	Stations	Metering stations	No.	0.00%	0.00%	100.00%	0.00%	0.00%	3	-
16	Compressors	Compressors—turbine driven	No.	0.00%	100.00%	0.00%	0.00%	0.00%	4	-
17	Compressors	Compressors—electric motor driven	No.	0.00%	0.00%	0.00%	0.00%	0.00%	N/A	-
18	Compressors	Compressors—reciprocating engine driven	No.	21.05%	68.42%	10.53%	0.00%	0.00%	4	-
19	Main-line valves	Main line valves manually operated	No.	0.00%	9.86%	90.14%	0.00%	0.00%	4	-
20	Main-line valves	Main line valves remotely operated	No.	0.00%	0.00%	100.00%	0.00%	0.00%	4	-
21	Heating systems	Gas-fired heaters	No.	0.00%	30.10%	50.49%	19.42%	0.00%	4	7.00%
22	Heating systems	Electric heaters	No.	0.00%	0.00%	100.00%	0.00%	0.00%	4	-
23	Odourisation plants	Odourisation plants	No.	0.00%	4.35%	95.65%	0.00%	0.00%	4	-
24	Coalescers	Coalescers	No.	0.00%	0.00%	100.00%	0.00%	0.00%	4	-
25	Metering systems	Meters—ultrasonic	No.	0.00%	50.00%	50.00%	0.00%	0.00%	4	-
26	Metering systems	Meters—rotary	No.	54.39%	10.53%	35.09%	0.00%	0.00%	4	10.00%
27	Metering systems	Meters turbine	No.	70.27%	8.11%	21.62%	0.00%	0.00%	4	30.00%
28	Metering systems	Meters—mass flow	No.	0.00%	0.00%	0.00%	0.00%	0.00%	N/A	-
29	SCADA and communications	Remote terminal units (RTU)	No.	0.00%	4.55%	77.27%	18.18%	0.00%	4	7.50%
30	SCADA and communications	Communications terminals	No.	0.00%	0.00%	100.00%	0.00%	0.00%	4	-
31	Cathodic protection	Rectifier units	No.	6.25%	18.75%	56.25%	18.75%	0.00%	4	18.00%
32	Chromatographs	Chromatographs	No.	11.11%	66.67%	22.22%	0.00%	0.00%	4	20.00%

Company Name

Vector

AMP Planning Period

1 July 2013 – 30 June 2023

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 13	30 Jun 14	30 Jun 15	30 Jun 16	30 Jun 17	30 Jun 18

Consumer types defined by GTB

Shipper	-	1	-	-	-	-
[GTB consumer type]						
[GTB consumer type]						
[GTB consumer type]						
[GTB consumer type]						

* include additional rows if needed

Connections total	-	1	-	-	-	-
--------------------------	---	---	---	---	---	---

	Current Year CY	CY+1	CY+2	CY+3	CY+4	CY+5
for year ended	30 Jun 13	30 Jun 14	30 Jun 15	30 Jun 16	30 Jun 17	30 Jun 18

12b(ii): Gas conveyed

Total gas entering the system at injection points	87,910	87,927	87,955	87,993	88,043	88,104
Total gas delivered to consumers	87,071	87,088	87,115	87,154	87,203	87,263
Total gas used in compressor stations	546	546	547	547	547	548
Total gas used in heating systems	117	117	117	117	117	117
Total unaccounted for gas	129	176	176	176	176	176
Total gas conveyed	87,734	87,751	87,779	87,817	87,867	87,927