

# GDB Information Disclosure Requirements Information Templates for Schedules 1–10 (Public)

**Company Name** 

**Disclosure Date** 

Disclosure Year (year ended)

Vector - gas distribution business

9 December 2013

30 June 2013

1 CoverSheet

#### **Table of Contents**

#### Schedule Description

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- 2 Report on Return on Investment
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- 5a Report on Regulatory Tax Allowance
- 5b Report on Related Party Transactions
- 5c Report on Term Credit Spread Differential Allowance
- 5d Report on Cost Allocations
- 5e Report on Asset Allocations
- 5h Report on Transitional Financial Information
- 6a Report on Capital Expenditure for the Disclosure Year
- 6b Report on Operational Expenditure for the Disclosure Year
- 7 Comparison of Forecasts to Actual Expenditure
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- 9a <u>Asset Register</u>
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#### **Disclosure Template Guidelines for Information Entry**

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. Disclosures must be made available to the public within 6 months after the start of the disclosure year and a copy provided to the Commission within 5 working days of being disclosed to the public.

#### **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. 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 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 9b columns Z to AD (2013 to 2017) contain conditional formatting. The data entry cells for future years are hidden (are changed from white to yellow).

Schedule 9c cell P30 will change colour if P30 (overhead circuit length by terrain) does not equal P18 (overhead circuit length by operating voltage).

Schedule 4 cells Q97:Q103 and Q105 will change colour if the RAB values do not equal the corresponding values in

## **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.

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 71 of each template to allow blocks of rows to be copied. The four steps to add new cost category rows to table 5d(iii) and table 5e(ii) are: Select Excel rows 62:69 of the relevant template, copy, select Excel row 71, then insert copied cells.

The template for schedule 8 may require additional columns to be inserted. To avoid interfering with the title block entries, these should be inserted to the left of column S.

## 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 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.

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## **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 complated. Data entry may be assisted by completing the schedules in the following order:

- 1. Coversheet
- 2. Schedules 5a-5h
- 3. Schedules 6a and 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

#### Schedule 2: Report on Return on Investment

The ROI calculations are performed in this template.

All suppliers must complete tables 2(i) Return on Investment and 2(ii) Information Supporting the ROI.

Only suppliers who meet either of the two thresholds set out in subclause 2.3.3 of the Gas Transmission Information Disclosure Determination 2012 need to complete table 2(iii) Information Supporting the Monthly ROI. We expect that most suppliers will generally not meet either threshold. You will need to work out if you met either threshold using your own tools (e.g. Excel) and do not need to disclosure these calculations. If you met either threshold you will need to provide a breakdown of five cash flow items on a month by month basis, as well as your opening revenue related working capital. The definitions for these items are the same as for the rest of the schedules. The values for assets commissioned and asset disposals should relate to the RAB (not the unallocated RAB).

The Excel worksheet uses several calculated cells beyond the rightmost edge of the template to calculate the monthly

The prior year comparison information in the table 2(i) columns labelled CY-1 and CY-2 should be completed by copying the results from the previous year's disclosure. The CY-1 and CY-2 columns do not need to be completed until the 2013 and 2014 disclosure years respectively.

#### Schedule 8: Report on Billed Quantities and Line Charge Revenues

This template should be completed in respect of each consumer groups or price category code (as applicable) that applied in the relevant disclosure year. The 'Average number of ICPs in disclosure year' column entries should be the arithmetic mean of monthly total ICPs (at month end).

4 Guidelines

Company Name For Year Ended

Ratio of expenditure to maximum monthly Vector - gas distribution business 30 June 2013

## SCHEDULE 1. ANALYTICAL RATIOS

mation disclosed. The disclosed ratios may vary for reasons that are company specific and, as a result, must nd analysis of information disclosed in accordance with the ID determination. This will include information ed under the other requirements of the determination.

| sch ref  | :   |   |
|----------|---|---|
| 7        | 1(i): Expenditure Metrics                 |   |
|          |   | E |
| 8<br>9   | Operational expenditure                   | Г |
| 10       | Network                                   | H |
| 11       | Non-network                               | H |
| 12       | Non-network                               | L |
| 13       | Expenditure on assets                     | Ē |
| 14       | Network                                   | F |
| 15       | Non-network                               | F |
| 16       | non nection                               | ۲ |
| 17       |   |   |
| 18       | 1(ii): Revenue Metrics                    |   |
|          |   |   |
|          |   |   |
| 19       |   | Г |
| 20       | Total line charge revenue                 | F |
| 21       | Standard consumer line charge revenue     | H |
| 22<br>23 | Non-standard consumer line charge revenue | L |
| 23       | 1(iii): Service Intensity Measures        |   |

|   |  | ,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,                |   |
|---|--|--|---|
| Expenditure per TJ<br>energy delivered<br>to ICPs (\$/TJ) | Expenditure per average no. of ICPs (\$/ICP) | amount of gas<br>entering network<br>(\$ per GJ/month) | Expenditure per<br>km of pipeline for<br>supply (\$/km) |
| 825   | 113  | 8  | 1,685   |
| 371   | 51   | 4  | 758   |
| 454   | 62   | 4  | 927   |
|   |  |  |   |
| 1,137   | 156  | 11   | 2,322   |
| 1,054   | 145  | 10   | 2,153   |
| 82  | 11   | 1  | 168   |

| Revenue per 13   | average no. of ICPs<br>(\$/ICP) |  |
|------------------|---------------------------------|--|
| energy delivered |                                 |  |
| to ICPs (\$/TJ)  |                                 |  |
| 4,042            | 555                             |  |
| 3,569            | 490                             |  |
| 473              | 65                              |  |
|                  |                                 |  |

| Demand density           |
|--------------------------|
| Volume density           |
| Connection point density |
| Energy intensity         |

| 207 | Maximum monthly amount of gas entering network (GJ/month)/Total pipeline length |
|-----|---|
| 2   | Total TJ delivered to ICPs/Total pipeline length                                |
| 15  | Average number of ICPs in disclosure year/Total pipeline length                 |
| 137 | Total GJ delivered to ICPs/Average number of ICPs in disclosure year            |

# 1(iv): Composition of Revenue Requirement

| Operational expenditure           |
|-----------------------------------|
| Pass-through and recoverable cost |
| Total depreciation                |
| Total revaluation                 |
| Regulatory tax allowance          |
| Regulatory profit/loss            |
| Total regulatory income           |
|                                   |

| (\$000) | % of revenue |
|---------|--------------|
| 17,657  | 20.45%       |
| 1,919   | 2.22%        |
| 14,398  | 16.68%       |
| 3,134   | 3.63%        |
| 12,908  | 14.95%       |
| 42,502  | 49.22%       |
| 86,342  |              |

Interruptions per 100km of pipeline length

## 1(v): Reliability

31

39 40

41

Interruption rate

31.40

5 S1.Analytical Ratios

**Vector - gas distribution business** Company Name 30 June 2013 For Year Ended **SCHEDULE 2: REPORT ON RETURN ON INVESTMENT** This schedule requires information on the Return on Investment (ROI) for the GDB relative to the Commerce Commission's estimates of post tax WACC and vanilla WACC. GDBs must calculate their ROI based on a monthly basis if required by clause 2.3.3 of the ID Determination or if they elect to. If a GDB makes this election, information supporting this calculation must be provided in 2(iii). GDBs must provide explanatory comment on their ROI in Schedule 14 (Mandatory Explanatory Notes). This information is part of audited disclosure information (as defined in section 1.4 of the ID determination), and so is subject to the assurance report required by section 2.8. sch ref 2(i): Return on Investment CY-2 CY-1 **Current Year CY** 7 8 for year ended 30 Jun 11 30 Jun 12 30 Jun 13 Post tax WACC 9 8.24% 10 ROI-comparable to a post tax WACC 7.93% 11 12 Mid-point estimate of post tax WACC 6.89% 6.02% 13 25th percentile estimate 6.08% 5.21% 14 75th percentile estimate 7.70% 6.83% 15 16 Vanilla WACC 17 8.94% 8.72% 18 ROI—comparable to a vanilla WACC 19 20 Mid-point estimate of vanilla WACC 7.69% 6.72% 25th percentile estimate 6.88% 5.91% 21 22 75th percentile estimate 8.50% 7.53% 23 24 (\$000) 25 2(ii): Information Supporting the ROI 26 27 Total opening RAB value 458,523 28 plus Opening deferred tax (14,619) 29 Opening RIV 443,904 30 66,766 31 Operating surplus / (deficit) 32 Regulatory tax allowance 12,908 less 20,404 33 Assets commissioned 190 34 plus Asset disposals 35 Notional net cash flows 33,644 36 37 Total closing RAB value 467,458 38 Adjustment resulting from asset allocation (15) 39 less Lost and found assets adjustment Closing deferred tax (19,014) 40 plus **Closing RIV** 448,459 41 42 8.94% 43 ROI—comparable to a vanilla WACC 44 44% 45 Leverage (%) 46 Cost of debt assumption (%) 5.68% 47 Corporate tax rate (%) 28% 48

49

ROI—comparable to a post tax WACC

8.24%

Company Name For Year Ended **Vector - gas distribution business** 30 June 2013

#### **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.

| SC | h | ref |  |
|----|---|-----|--|
|    |   |     |  |

# 2(iii): Information Supporting the Monthly ROI

| Cash flows | IOIAI  | (\$000)  |              |              |                 |                         |
|------------|--------|----------|--------------|--------------|-----------------|-------------------------|
| regulatory |        |          |              |              |                 |                         |
|            | income | Expenses | Tax payments | commissioned | Asset disposals | Notional net cash flows |
| Month 1    | 8,704  | 1,916    | -            | 279          | 63              | 6,572                   |
| Month 2    | 9,808  | 1,958    | -            | 1,180        | -               | 6,670                   |
| Month 3    | 8,094  | 1,905    | -            | 1,669        | 34              | 4,554                   |
| Month 4    | 7,273  | 1,835    | -            | 1,342        | 2               | 4,098                   |
| Month 5    | 6,834  | 1,215    | 1,442        | 1,893        | 20              | 2,304                   |
| Month 6    | 5,878  | 1,202    | -            | 1,247        | 1               | 3,430                   |
| Month 7    | 5,313  | 1,428    | -            | 1,259        | 1               | 2,627                   |
| Month 8    | 5,028  | 1,446    | -            | 1,593        | 1               | 1,990                   |
| Month 9    | 5,863  | 1,279    | 11,466       | 1,990        | 1               | (8,871)                 |
| Month 10   | 6,100  | 1,437    | -            | 1,575        | 1               | 3,089                   |
| Month 11   | 7,832  | 1,724    | -            | 2,377        | 24              | 3,755                   |
| Month 12   | 9,615  | 2,231    | -            | 4,000        | 42              | 3,426                   |
| Total      | 86,342 | 19,576   | 12,908       | 20,404       | 190             | 33,644                  |

| Adj | ustm | ent |
|-----|------|-----|
|-----|------|-----|

|  | Opening /<br>closing RAB | resulting from asset<br>allocation | Lost and found assets<br>adjustment | Opening / closing deferred tax | Revenue related<br>working capital | Total   |
|--|--------------------------|------------------------------------|-------------------------------------|--------------------------------|------------------------------------|---------|
| Monthly ROI - openi  | 458,523                  |                                    |                                     | (14,619)                       | 9,149                              | 453,053 |
|  |                          |                                    |                                     |                                |                                    |         |
| Monthly ROI - closin   | 467,458                  | (15)                               | -                                   | (19,014)                       | 9,615                              | 458,074 |
| Monthly ROI - closing RIV less term credit spread differential allowance 457,983 |                          |                                    |                                     |                                |                                    |         |
| Monthly ROI—compar   | able to a vanilla        | WACC                               |                                     |                                |                                    | 8.93%   |
|  |                          |                                    |                                     |                                | -                                  |         |

Monthly ROI—comparable to a post-tax WACC

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

Year-end ROI—comparable to a vanilla WACC

9.36%

Year-end ROI—comparable to a post-tax WACC

\* 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.

8.23%

8.66%

|          |            |  | Company Name              | Vector - gas distribution business                      |
|----------|------------|--|---------------------------|---|
|          |            |  | For Year Ended            | 30 June 2013  |
| SC       | HEDULE     | 3: REPORT ON REGULATORY PROFIT   |                           |   |
|          |            | ires information on the calculation of regulatory profit for the GDB for the disclosure year. GDBs is Schedule 14 (Mandatory Explanatory Notes). | must complete all section | ons and must provide explanatory comment on their       |
|          |            | part of audited disclosure information (as defined in section 1.4 of the ID determination), and so   | is subject to the assurar | nce report required by section 2.8.                     |
| sch re   | ef         |  |                           |   |
| _        | 2/:\. Da   | aulatom. Drofit  |                           | (\$000)   |
| 7        | 3(I): KE   | gulatory Profit  |                           | (3000)  |
| 8<br>9   |            | Income Line charge revenue   |                           | 86,508  |
| 10       | plus       | Gains / (losses) on asset disposals  |                           | (166)   |
| 11       | plus       | Other regulated income (other than gains / (losses) on asset disposals)  |                           | -   |
| 12<br>13 |            | Total regulatory income  |                           | 86,342  |
| 14       |            |  |                           | 00,542  |
| 15       | less       | Expenses Operational expenditure   |                           | 17,657  |
| 16       |            |  |                           |   |
| 17<br>18 | less       | Pass through and recoverable costs   |                           | 1,919   |
| 19       |            | Operating surplus / (deficit)  |                           | 66,766  |
| 20       |            |  |                           |   |
| 21<br>22 | less       | Total depreciation   |                           | 14,398  |
| 23       | plus       | Total revaluation  |                           | 3,134   |
| 24       |            |  |                           |   |
| 25<br>26 |            | Regulatory profit / (loss) before tax & term credit spread differential allowance  |                           | 55,502  |
| 27       | less       | Term credit spread differential allowance  |                           | 92  |
| 28       |            |  |                           |   |
| 29<br>30 |            | Regulatory profit / (loss) before tax  |                           | 55,410  |
| 31       | less       | Regulatory tax allowance   |                           | 12,908  |
| 32<br>33 |            | Regulatory profit / (loss)   |                           | 42,502  |
| 34       |            |  |                           | 42,302  |
| 35<br>36 | 3(ii): Pa  | ass-Through and Recoverable Costs  |                           | (\$000)   |
| 37       |            | Pass-through costs   |                           |   |
| 38       |            | Rates  |                           | 1,504   |
| 39<br>40 |            | Commerce Act levies GIC levies   |                           | 358   |
| 41       |            | Other specified pass-through costs   |                           | 57  |
| 42       |            | Recoverable costs  |                           |   |
| 43<br>44 |            | Net recoverable costs allowed under incremental rolling incentive scheme Input Methodology claw-back   |                           | -   |
| 45       |            | Recoverable customised price-quality path costs  |                           | <u> </u>  |
| 46<br>47 |            | Pass-through and recoverable costs   |                           | 1,919   |
| 47       |            |  |                           |   |
| 55       | 3(iii): lı | ncremental Rolling Incentive Scheme  |                           | (\$000)   |
| 56<br>57 |            |  |                           | CY-1 CY   |
| 58       |            | Allowed controllable opex  |                           |   |
| 59       |            | Actual controllable opex   |                           |   |
| 60<br>61 |            | Incremental change in year   |                           |   |
| 62       |            |  |                           |   |
|          |            |  |                           | Previous years' incremental                             |
|          |            |  |                           | Previous years' incremental incremental change adjusted |
| 63       |            | CVF  |                           | change for inflation                                    |
| 64<br>65 |            | CY-5<br>CY-4   |                           |   |
| 66       |            | CY-3   |                           |   |
| 67<br>68 |            | CY-2<br>CY-1   |                           |   |
| 69       |            | Net incremental rolling incentive scheme   |                           |   |
| 70       |            |  |                           |   |
| 71<br>72 |            | Net recoverable costs allowed under incremental rolling incentive scheme   |                           | -   |
| 73       | 3(iv): N   | lerger and Acquisition Expenditure   |                           |   |
| 74<br>75 |            | Merger and acquisition expenses  |                           |   |
| 76       |            |  |                           |   |
| 77       |            | Provide commentary on the benefits of merger and acquisition expenditure to the gas distribution in Schedule 14 (Mandatory Explanatory Notes)    | ition business, including | required disclosures in accordance with section 2.7,    |
|          | 3/1/1.0    |  |                           |   |
| 78<br>79 | 3(v): U    | ther Disclosures  Self-insurance allowance   |                           | -   |

| Marie   Mar  |          |   |   |                   | ompany Name<br>or Year Ended | Vector - g           | as distribution b<br>30 June 2013 | usiness                            |
|--|----------|---|---|-------------------|------------------------------|----------------------|-----------------------------------|------------------------------------|
| Marie   Mar  | is sched | le 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. G |                   |                              | nment on the value o | f their RAB in Schedul            | e 14                               |
| March   Marc   | 4 4      | i): Regulatory Asset Base Value (Rolled Forward)  |   |                   |                              |                      |                                   |                                    |
| This interview of the part o   | 9        | Total opening RAB value   |   |                   | (\$000)                      | (\$000)              | (\$000)                           |                                    |
| Part   Institution   | !        |   |   |                   |                              |                      |                                   | 14,398                             |
| 1  |          |   |   |                   |                              |                      |                                   |                                    |
| Part  | :        | plus Total revaluations   | <u></u>   |                   | 6,925                        | 13,596               | 4,248                             | 3,134                              |
| April   Calculation of Revolucion for Revolucion  | ,        | plus Assets commissioned  |   |                   | 12,363                       | 22,745               | 20,664                            | 20,404                             |
| Part   Augment control for manual and unitaria   |          | less Asset disposals  |   |                   | 723                          | 328                  | 48                                | 190                                |
| ## Control processed Regulatory Asset Base  **Table Street Control processed Regulatory Asset Base  **Table Street Control processed Contr   |          | plus Lost and found assets adjustment   |   |                   | -                            | -                    |                                   |                                    |
| Part  |          | plus Adjustment resulting from asset allocation   |   |                   | -                            | 10                   | 26                                | (15                                |
| Table servery 600 actions  The despendence   |          | Total closing RAB value   |   | -                 | 423,843                      | 447,295              | 458,523                           | 467,45                             |
| Table servery 600 actions  The despendence   |          | "\\ Unallanded Danileten, Asset Dan   |   |                   |                              |                      |                                   |                                    |
| The ground profits of  | 4        | ij: Unallocated Regulatory Asset Base   |   |                   |                              |                      |                                   |                                    |
| This process   The process   |          | Total opening RAB value   |   |                   | (\$000)                      |                      | (\$000)                           | (\$000)<br>458,52                  |
| Train restrictions  To a content content protection in basical speciments and passed speciments are against speciments as a gazinet speciment speciments are against speciments as a gazinet speciment speciments are against speciments as a gazinet speciments are against speciments as a gazinet speciment speciments are against speciments are against speciments are against speciments. The against against speciments are against speciments are against speciments are against speciments are against speciments. The against speciments are against speciments are against speciments are against speciments are against speciments. The against speciments are against speciments are against speciments are against speciments are against speciments. The against speciments are against speciments are against speciments are against speciments. The against speciments are against speciments are against speciments are against speciments are against speciments. The against speciments are against speciments are against speciments are against speciments are against speciments. The against speciments are against speciments are against speciments are against speciments. The against speciments are against speciments are against speciments are against speciments. The against speciments are against speciments are against speciments are against speciments. The against speciments are against speciments are against speciments are against speciments. The against speciments are against speciments are against speciments are against speciments are against speciments. The against speciments are against speciments are against speciments are against speciments are against speciments. The against speciments are against speciments are against speciments are against speciments. The against speciments are against speciments are against speciments are against speciments. The against speciments are against speciments are against speciments against speciments. The against speciments are against speciments against speciments against speciments are against specim   |          |   |   |                   | ĺ                            | 25.633               | F                                 | 14,398                             |
| Autor   Comment of March Individual (Comment   |          | plus  |   |                   |                              |                      | _                                 | 3,13                               |
| Acces comparison as equal particle and present sequence of the control of the con   |          | plus  |   |                   |                              | 3,300                |                                   | 3,13                               |
| Action commissioned (1998) 1998 1998 1998 1998 1998 1998 1998  |          | Assets acquired from a regulated supplier   |   |                   | 28,960                       |                      | 20,404                            |                                    |
| Act of depocals justed fram bisland Act of depocals justed fram bi   |          |   |   |                   | -                            | 28,960               | -                                 | 20,40                              |
| Apost deposits to a regular deposits on processing and specimens.  Asset deposits on a regular deposits and processing and specimens.  That dissipated the standard applications of more asset all deposits on the regular deposits of the regular deposits of the standard and processing deposits on the regular deposits of the standard and processing deposits on the regular deposits of the standard and processing deposits on the standard of the standard and processing deposits on the sta   |          |   |   |                   | 231                          |                      | 190                               |                                    |
| A content depoted   10   10   10   10   10   10   10   1   |          | Asset disposals to a regulated supplier   |   |                   | -                            |                      |                                   |                                    |
| Take designed where the making from seast allocations  4(iii): Calculation of Revaluation Rate and Revaluation of Assets  Cin.   |          |   |   | L                 |                              | 231                  |                                   | 190                                |
| Total dening 18A value  * The substances Affili in the statisticate work in the statistic social work of these autests and wholly or promiting an admittables services without any planeage being made for the absoration of costs to non-regulated services. The state whole represents the value of these autests and wholly or promiting an admittables services without any planeage being made for the absoration of costs to non-regulated services. The state whole represents the value of these autests and wholly or promiting an admittables services without any planeage being made for the absoration of costs to non-regulated services. The state value of these autests and wholly or promiting and state services with the state of the substance of the state of the substance of the state of the substance of th   |          | plus Lost and found assets adjustment   |   |                   | [                            | -                    |                                   |                                    |
| * The full-state of Mark is the state in standard flavor access control and only or promiting in promiting part distribution services without any dissensor being mode for the alticustion of costs to raise regulation of the cost to raise regulation of costs to raise regulation of costs to raise regulation of the cost to raise regulation of costs to raise regulation regulation of costs to raise regulation of costs to raise regulation regu   |          | plus Adjustment resulting from asset allocation   |   |                   |                              |                      |                                   | (15                                |
| 4(iii): Calculation of Revaluation Rate and Revaluation of Assets  O's Cys Cys Secolaration rate (h)  Total opening Make what or fair high sepercised, disposed and lost assets  Assot Opening Make what or fair high sepercised, disposed and lost assets  Total opening Make what or fair high sepercised, disposed and lost assets  Assot Opening Make what or fair high sepercised, disposed and lost assets  Assot Opening Make what or fair high sepercised, disposed and lost assets  Total opening Make what or fair high sepercised, disposed and lost assets  Assot Opening Make what or fair high sepercised, disposed and lost assets  Assot Opening Make what or fair high sepercised, disposed and lost assets  Assot Opening Make what or resulted from the sepercised of the sepercised of the separation of the sep   |          | Total closing RAB value   |   |                   | 1                            | 493,247              | Г                                 | 467,45                             |
| 4(iii): Calculation of Revaluation Rate and Revaluation of Assets  CR1, CR2, Revaluation rate (Ps)  Total opening A64 while A550   |          | The 'unallocated RAB' is the total value of those assets used wholly or partially to provide gas distribution services with | hout any allowance being made for the allocation  | of costs to non-r | egulated services.           |                      | esents the value of the           |                                    |
| CPs, CPs, 1  | e af     | er appiying this cost allocation. Neither value includes works under construction.  |   |                   |                              |                      |                                   |                                    |
| CPUIS Copering All value of fully depreciated, disposed and lost assets  Total opening Rall value of fully depreciated, disposed and lost assets  Total opening Rall value of fully depreciated, disposed and lost assets  Total opening Rall value of fully depreciated, disposed and lost assets  Alivi): Roll Forward of Works Under Construction  Works under construction—preceding disclosure year  Alivi): Roll and a special construction—preciated ground and search assets  Works under construction—preceding disclosure year  Alivi): Roll and a special construction—preceding disclosure year  Alivi): Roll and a special construction—preceding disclosure year  Alivi): Roll and a special construction—preceding disclosure year  Alivi): Roll appendix of the special disclosure year  Alivi): Roll appendix of the special disclosure year  Alivi): Roll appendix of the special disclosure year  Alivi): Regulatory Depreciation  Depreciation—standard dispersion in accordance with CPP  Total depreciation—preciation  Asset or assets with changes to depreciation profiles  According Alivi (1998)  Asset or assets with changes to depreciation in accordance with CPP  Asset or assets with changes to depreciation in accordance with CPP  Asset or assets with changes to depreciation in accordance with CPP  Asset or assets with changes to depreciation in accordance with CPP  Asset or assets with changes to depreciation in accordance with CPP  Asset or assets with changes to depreciation in accordance with CPP  Asset or assets with changes to depreciation in accordance with CPP  Asset or assets with changes to depreciation in accordance with CPP  Asset or assets with changes to depreciation in accordance with CPP  Asset or assets with changes to depreciation in accordance with CPP  Asset or assets with changes to depreciation in accordance with CPP  Asset or assets with changes to   |          | iii): Calculation of Revaluation Rate and Revaluation of Assets   |   |                   |                              |                      |                                   |                                    |
| Recolation rate [5]  Total opening RAB value [639  | 9        |   |   |                   |                              |                      |                                   | 1,176                              |
| Total opening RAN value  ### Opening RAN value of filty depreciated, disposed and lost assets  Total opening RAN value subject to revolutation  #### Total opening RAN value subject to revolutation  #### Total opening RAN value subject to revolutation  #### Unablocated works under construction  #### Unablocated works under construction  #### Asset or assets with changes to depreciation  #### Papers   Condemn Profiles  | '        |   |   |                   |                              |                      |                                   | 1,168                              |
| Total opening RAN value  ### Opening RAN value of filty depreciated, disposed and lost assets  Total opening RAN value subject to revolutation  #### Total opening RAN value subject to revolutation  #### Total opening RAN value subject to revolutation  #### Unablocated works under construction  #### Unablocated works under construction  #### Asset or assets with changes to depreciation  #### Papers   Condemn Profiles  |          |   |   |                   | Unallocat                    | ad PAR *             | PAR                               |                                    |
| Aliv): Roll Forward of Works Under Construction  4(iv): Roll Forward of Works Under Construction  Works under construction—preceding disclosure year  Fair Capital expenditure  Works under construction—preceding disclosure year  Fair Capital expenditure   |          | Table assets 040 celus  |   |                   | (\$000)                      |                      | (\$000)                           | (\$000)                            |
| 4(iv): Roll Forward of Works Under Construction  Works under construction—preceding disclosure year  Unallocated works under construction—preceding disclosure year  Accept commissioned  Page Assets co   |          |   |   |                   |                              |                      |                                   |                                    |
| 4(iv): Roll Forward of Works Under Construction  Works under construction—preceding disclosure year    Puls   Capital expenditure  | :        | Total opening RAB value subject to revaluation  |   |                   | 481,776                      |                      | 457,554                           |                                    |
| Works under construction—preceding disclosure year plus Capital responditure  #### Assets commissioned plus Adjument resulting from asset allocation  Works under construction—current disclosure year  ##### Highest rate of capitalised finance applied  ###################################   | 9        | Total revaluations  |   |                   |                              | 3,300                |                                   | 3,134                              |
| Works under construction—preceding disclosure year    pliss   Asset or assets with changes to depreciation    Asset or assets with changes to depreciation    Asset or assets with changes to depreciation   Asset or asset with   | 4        | iv): Roll Forward of Works Under Construction   |   |                   |                              |                      |                                   |                                    |
| Works under construction—preceding disclosure year    pliss   Asset or assets with changes to depreciation    Asset or assets with changes to depreciation    Asset or assets with changes to depreciation   Asset or asset with   | ,        |   |   |                   | nallocated works             | under construction   | Allocated works und               | er construction                    |
| less Assets commissioned plus Adjustment resulting from asset allocation  Works under construction - current disclosure year  Highest rate of capitalised finance applied  4(v): Regulatory Depreciation  Depreciation - standard Depreciation - standard fle assets Depreciation in accordance with CPP  Total depreciation - alternative depreciation in accordance with CPP  Total depreciation - standard depreciation Profiles  4(vi): Disclosure of Changes to Depreciation Profiles  Reason for non-standard depreciation (text entry)  Reason for non-standard depreciation (te   | 3        |   |   | _                 |                              |                      |                                   | 70                                 |
| Works under construction - current disclosure year  Highest rate of capitalised finance applied  4(v): Regulatory Depreciation  Depreciation - standard  | ;        | less Assets commissioned  |   |                   |                              |                      | 20,404                            |                                    |
| 4(v): Regulatory Depreciation  Depreciation - standard Depreciation - no standard life assets Depreciation - modified life assets Depreciation - modified life assets Depreciation - atternative depreciation in accordance with CPP Total depreciation  4(vi): Disclosure of Changes to Depreciation Profiles  Asset or assets with changes to depreciation  Reason for non-standard depreciation (text entry)  * include additional rows if needed  | ,        |   |   |                   | 1                            | 2,637                | (6)                               | 1,20                               |
| Unallocated RAB* (\$000) | 9        | Highest rate of capitalised finance applied   |   |                   |                              |                      |                                   | 6.839                              |
| Unallocated RAB* (\$000) |          |   |   |                   |                              |                      | _                                 |                                    |
| Second Standard   Second Standard Standard   Second Standard Standard   Second Standard Sta   | 4        | v): Regulatory Depreciation   |   |                   | nallocated RAR *             |                      | RAR                               |                                    |
| Depreciation - not standard life assets Depreciation - modified li   | 9        | Depreciation - standard   |   |                   | (\$000)                      | (\$000)              | (\$000)                           | (\$000)                            |
| Depreciation - alternative depreciation in accordance with CPP Total depreciation  (\$000 unless otherwise specified)  4(vi): Disclosure of Changes to Depreciation Profiles  Reason for non-standard depreciation (text entry)  Reason for non-standard depreciation   | !        | Depreciation - no standard life assets  |   |                   |                              |                      |                                   |                                    |
| 4(vi): Disclosure of Changes to Depreciation Profiles    Depreciation charge for the standard depreciation (text entry) period (RAB)   Closing RAB value under 'non-charge for the standard' depreciation   Charge for the period (RAB)   Closing RAB value under 'standard' under 'standard' depreciation   Charge for the period (RAB)   Closing RAB value under 'standard' depreciation   Charge for the period (RAB)   Closing RAB value under 'standard' depreciation   Charge for the period (RAB)   Closing RAB value under 'standard' depreciation   Charge for the period (RAB)   Closing RAB value under 'standard' depreciation   Closing RAB value under '   | 2        | Depreciation - alternative depreciation in accordance with CPP  |   |                   | -                            |                      |                                   |                                    |
| Asset or assets with changes to depreciation  Closing RAB value  under non- standard depreciation  depreciation  depreciation  in a serior of the period (RAB)  Asset or assets with changes to depreciation  charge for the period (RAB)  and a serior of the period (RAB)  and a serior  | 1        | Total depreciation  |   |                   |                              | 25,633               | L                                 | 14,398                             |
| Asset or assets with changes to depreciation  Asset or assets with changes to depreciation  Reason for non-standard depreciation (text entry)  Reason for non-s   | 5        |   |   |                   | (\$000 t                     | unless otherwise spe | cified)                           |                                    |
| Asset or assets with changes to depreciation  Asset or assets with changes to depreciation  Reason for non-standard depreciation (text entry)  Reason for non-s   | 4        | vi): Disclosure of Changes to Depreciation Profiles   |   |                   |                              |                      |                                   |                                    |
| Asset or assets with changes to depreciation  Reason for non-standard depreciation (text entry)  Reason for non-standard depreciation (text entry)  Reason for non-standard depreciation (text entry)  Period (RAB)  depreciation  |          |   |   |                   |                              |                      |                                   |                                    |
| * Include additional rows if needed  |          |   |   |                   |                              | charge for the       | standard' u                       | osing RAB value<br>nder 'standard' |
|  | 3        | Asset or assets with changes to depreciation  | Reason for non-stand                              | dard depreciatio  | n (text entry)               | period (RAB)         | depreciation                      | depreciation                       |
|  | 9        |   |   |                   |                              |                      |                                   | _                                  |
|  | 2        |   |   |                   |                              |                      |                                   |                                    |
|  | 3        |   |   |                   |                              |                      |                                   |                                    |
|  | 2        |   |   |                   |                              |                      |                                   |                                    |
| 4(vii): Disclosure by Asset Category (\$000 unless otherwise specified)  | , 4      |   |   |                   |                              |                      |                                   |                                    |

Vector - gas distribution business Company Name For Year Ended **30 June 2013** 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. Intermediate pressure main Medium pressure Low pressure main pipelines main pipelines Other network pipe 109 110 111 112 113 114 115 116 117 118 119 120 121 Total opening RAB value Total depreciation plus plus less plus plus Total revaluations Assets commissioned Asset disposals Lost and found assets adjustment
Adjustment resulting from asset allocation plus Asset category transfers Total closing RAB value Asset Life 7 (years) 13 (years) Weighted average remaining asset life 27 35 36 63 42 18 Weighted average expected total asset life

Company Name Vector - gas distribution business For Year Ended 30 June 2013 **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 2.8. ch ref 5a(i): Regulatory Tax Allowance (\$000) Regulatory profit / (loss) before tax 55,410 10 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 Amortisation of revaluations 13 566 14 4,706 15 16 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 10,883 20 14,015 21 22 Regulatory taxable income 46,101 23 24 Utilised tax losses 25 Regulatory net taxable income 46,101 26 27 Corporate tax rate (%) 12,908 28 Regulatory tax allowance 29 \* Workings to be provided in Schedule 14 30 31 5a(ii): Disclosure of Permanent Differences 32 In Schedule 14, Box 8, provide descriptions and workings of items recorded in the asterisked categories in Schedule 5a(i). 33 (\$000) 34 5a(iii): Amortisation of Initial Difference in Asset Values 35 36 Opening unamortised initial differences in asset values 165,004 Amortisation of initial differences in asset values 4,125 37 38 Adjustment for unamortised initial differences in assets acquired 39 Adjustment for unamortised initial differences in assets disposed 160,816 40 Closing unamortised initial difference in asset values 41 42 Opening weighted average remaining asset life (years) 40 5a(iv): Amortisation of Revaluations (\$000) 43 44 45 Opening Sum of RAB values without revaluations 436,992 46 47 Adjusted depreciation 13,832 48 Total depreciation 14,398 49 Amortisation of revaluations 566

Company Name Vector - gas distribution business For Year Ended 30 June 2013 **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 2.8. ch re 5a(v): Reconciliation of Tax Losses (\$000) 57 58 59 Opening tax losses 60 Current period tax losses Utilised tax losses 61 62 Closing tax losses 5a(vi): Calculation of Deferred Tax Balance (\$000) 63 64 Opening deferred tax (14,619) 65 66 3,874 Tax effect of adjusted depreciation 67 68 6,857 69 less Tax effect of total tax depreciation 70 (267) 71 Tax effect of other temporary differences\* plus 72 73 Tax effect of amortisation of initial differences in asset values 1,155 less 74 75 Deferred tax balance relating to assets acquired in the disclosure year plus 76 77 Deferred tax balance relating to assets disposed in the disclosure year less 78 79 Deferred tax cost allocation adjustment 80 (19,014) 81 Closing deferred tax 82 5a(vii): Disclosure of Temporary Differences 83 84 In Schedule 14, Box 9, provide descriptions and workings of items recorded in the asterisked category in Schedule 5a(vi) (Tax effect of other temporary differences). 85 5a(viii): Regulatory Tax Asset Base Roll-Forward 86 87 (\$000) 88 Opening Sum of regulatory tax asset values 217,392 89 Tax depreciation 22,214 90 Regulatory tax asset value of assets commissioned plus 91 Regulatory tax asset value of asset disposals 157 92 plus Lost and found assets adjustment (114) 93 Other adjustments to the RAB tax value Closing sum of regulatory tax asset values 214,847

|  |  |   | Company Name                            | Vector - gas distribut             | ion business  |
|--|--|---|---|------------------------------------|---|
|  |  |   | For Year Ended                          | 30 June 20                         |   |
| SC.  | HEDULE 5b: REPORT ON RELATED PARTY TRANSACT  | IONS                                    | Tor rear Enaca                          |                                    |   |
|  | schedule provides information on the valuation of related party transactions, in acco  |   | 2.2.7 of the ID determination           |                                    |   |
|  | nformation is part of audited disclosure information (as defined in section 1.4 of the |   |   | required by section 2.8.           |   |
|  |  | ,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,, | ,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,, | ,                                  |   |
| sch re   |  |   |   |                                    |   |
|  |  |   |   |                                    |   |
| 7  | 5b(i): Summary—Related Party Transactions  |   | _                                       | (\$000)                            |   |
| 8  | Total regulatory income  |   |   | 7,630                              |   |
| 9  | Operational expenditure  |   |   | -                                  |   |
| 10   | Capital expenditure  |   | _                                       | <u>-</u>                           |   |
| 11<br>12   | Market value of asset disposals Other related party transactions                       |   |   | -                                  |   |
| 12   | Other related party transactions   |   | _                                       |                                    |   |
| 13   | 5b(ii): Entities Involved in Related Party Transactions                                |   |   |                                    |   |
| 14   | Name of related party  |   |   | Related party relationship         |   |
| 15   | Vector Gas Limited (gas wholesale)   |   | A fully owned unregulated bu            | siness unit of Vector Gas Limited. |   |
| 16   |  |   |   |                                    |   |
| 17   |  |   |   |                                    |   |
| 18   |  |   |   |                                    |   |
| 19   |  |   |   |                                    |   |
| 20   | * include additional rows if needed  |   |   |                                    |   |
|  | include daditional rows if needed  |   |   |                                    |   |
| 21   | 5b(iii): Related Party Transactions  |   |   |                                    |   |
|  | ,  |   |   |                                    |   |
|  |  |   |   | Value of                           |   |
| 22   | Name of related party  | Related party transaction<br>type       | Description of trans                    | transaction<br>(\$000)             | Basis for determining value                             |
| 22   | Name of related party  | туре                                    | Description of trans-                   | (3000)                             | Clause 2.3.7 (2) (a) - price                            |
|  |  |   |   |                                    | received by the GDB as                                  |
|  |  |   |   |                                    | more than 50% of the GDB's                              |
|  |  |   |   |                                    | sales are to third parties<br>who receive substantially |
|  |  |   |   |                                    | the same terms, including                               |
| 23   | Vector Gas Limited (gas wholesale)   | Sales                                   | Sold distribution services              | 7,630                              | price, as the related party.                            |
| 24   |  |   |   |                                    |   |
| 25   |  |   |   |                                    |   |
|  |  |   |   |                                    |   |
| 26   |  |   |   |                                    |   |
| 27   |  |   |   |                                    |   |
| 27<br>28   |  |   |   |                                    |   |
| 27   |  |   |   |                                    |   |
| 27<br>28<br>29   |  |   |   |                                    |   |
| 27<br>28<br>29<br>30                                     |  |   |   |                                    |   |
| 27<br>28<br>29<br>30<br>31                               |  |   |   |                                    |   |
| 27<br>28<br>29<br>30<br>31<br>32                         |  |   |   |                                    |   |
| 27<br>28<br>29<br>30<br>31<br>32<br>33<br>34<br>35       |  |   |   |                                    |   |
| 27<br>28<br>29<br>30<br>31<br>32<br>33<br>34<br>35<br>36 |  |   |   |                                    |   |
| 27<br>28<br>29<br>30<br>31<br>32<br>33<br>34<br>35       |  |   |   |                                    |   |
| 27<br>28<br>29<br>30<br>31<br>32<br>33<br>34<br>35<br>36 | *include additional rows if needed   |   |   |                                    |   |

13 S5b.Related Party Transactions

Company Name Vector - gas distribution business
For Year Ended 30 June 2013

# SCHEDULE 5c: REPORT ON TERM CREDIT SPREAD DIFFERENTIAL ALLOWANCE

This schedule is only to be completed if, as at the date of the most recently published financial statements, the weighted average original tenor of the debt portfolio (both qualifying debt and non-qualifying debt) is greater than five years. This information is part of audited disclosure information (as defined in section 1.4 of the ID determination), and so is subject to the assurance report required by section 2.8.

sch ref 7

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

| 26-Oct-05   26-Oct-05   26-Oct-05   10   8K8M+ [IVCI   256,000   IVCI    |  |           |            |      |              |           | Book value at date |       | Cost of executing |       |
|--|--|-----------|------------|------|--------------|-----------|--------------------|-------|-------------------|-------|
| Substotal of floating rate notes  4-Ap-07  |  |           |            |      |              |           |                    |       |                   |       |
| 15-3u-12    |  |           |            |      |              |           |                    |       |                   |       |
| Pleasing rate notes  | -  | ,         | -          |      |              |           |                    |       |                   |       |
| 26-0xt-05   26-0xt-05   26-0xt-05   10   888M+ (1VCl   256,000   (1VCl   (1V   | Capital bonds – fixed coupon               | 15-Jun-12 | 14-Jun-12  | 5.0  | 7            | 262,651   | 262,217            | []VCI | []VCI             | []VCI |
| 26-021-05   26-021-05   17   15   16684   17   17   18   18   18   18   18   18  | Floating rate notes                        | 4-Apr-07  | 4-Apr-07   | 10   | BKBM+ []VCI  | 200,000   |                    | []VCI | []VCI             | []VCI |
| 26-021-05   26-021-05   17   15   16684   17   17   18   18   18   18   18   18  |  |           |            |      |              |           |                    |       |                   |       |
| 26.0ct.05   26.0ct.05   15   986M+ [IVCI   260,000   1,152,627   |  | 26-Oct-05 | 26-Oct-05  | 10   | BKBM+ []VCI  | 250,000   |                    | []VCI | []VCI             | []VCI |
| Subtotal of floating rate notes    1,200,000   |  | 26-Oct-05 | 26-Oct-05  | 12   | BKBM+ []VCI  | 400,000   |                    | []VCI | []VCI             | []VCI |
| Medium term notes = GBP fixed rate   |  | 26-Oct-05 | 26-Oct-05  | 15   | BKBM+ []VCI  | 350,000   |                    | []VCI | []VCI             | []vci |
| Senior notes - USD fixed rate   16-Sep-04   19-Jul-04   12   5.51   98,875   []Vot     | Subtotal of floating rate notes            |           |            |      |              | 1,200,000 | 1,152,627          |       |                   |       |
| Senior notes - USD fixed rate   16-Sep-04   19-Jul-04   12   5.51   98,875   []Vot     |  |           |            |      |              |           |                    |       |                   |       |
| Senior notes - USD fixed rate   16-Sep-04   19-Jul-04   15   5.75   296.623   19-UI    | Medium term notes - GBP fixed rate         | 11-Apr-08 | 8-Apr-08   | 10.8 | 7.625        | 285,614   | 223,125            | []VCI | []VCI             | []VCI |
| Senior notes - USD fixed rate   16-Sep-04   19-Jul-04   15   5.75   296.623   19-UI    | Senior notes - USD fixed rate              | 16-Sen-04 | 19- Jul-04 | 12   | 5 51         | 98 875    |                    | UVCI  | []VCI             | Пуст  |
| Sentor notes - USD fixed rate   20-Dec-10   22-Sep-10   12   []VCI   250,516   []VCI   |  |           |            |      |              |           |                    |       |                   |       |
| Subtotal of senior notes - USD fixed rate  |  | •         |            |      |              |           |                    |       |                   |       |
| Bank loans 3-Feb-12 3-Feb-12 3 BKBM+ []VCI 3-Feb-12 3 BKBM+ []VCI 29-Jul-10 29-Jul-10 3 BKBM+ []VCI  |  | 20 200 10 | 22 dop 10  | 12   | []10.        |           | 629 672            | []*** | [], (3)           | []10. |
| 3-Feb-12   3-Feb-12   3   BKBM+ []VCI     BKBM+ []VCI     BKBM+ []VCI     BKBM+ []VCI     BKBM+ []VCI   BKBM+ []   | Subtotal of Serilor Hotes - OSD fixed rate |           |            |      |              | 0.0,0     | 027/072            |       |                   |       |
| 3-Feb-12   3-Feb-12   3   BKBM+ []VCI     BKBM+ []VCI     BKBM+ []VCI     BKBM+ []VCI     BKBM+ []VCI   BKBM+ []   |  |           |            |      |              |           |                    |       |                   |       |
| 3-Feb-12   3-Feb-12   3   BKBM+ []VCI     BKBM+ []VCI     BKBM+ []VCI     BKBM+ []VCI     BKBM+ []VCI   BKBM+ []   |  |           |            |      |              |           |                    |       |                   |       |
| 29-Jul-10   29-Jul-10   3   BKBM+ []VCl  | Bank loans                                 | 3-Feb-12  | 3-Feb-12   | 3    | BKBM+ []VCI  |           |                    |       |                   |       |
| Subtotal of bank loans   |  | 3-Feb-12  | 3-Feb-12   | 3    | BKBM+ []VCI  |           |                    |       |                   |       |
| Working capital loans 17-Dec-10 17-Dec-10 3 BKBM+ []VCI  |  | 29-Jul-10 | 29-Jul-10  | 3    | BKBM+ []VCI  |           |                    |       |                   |       |
| 17-Dec-10   17-Dec-10   3   BKBM+ []VCI  | Subtotal of bank loans                     |           |            |      |              |           | (187)              |       |                   |       |
| 17-Dec-10   17-Dec-10   3   BKBM+ []VCI  |  |           |            |      |              |           |                    |       |                   |       |
| Subtotal of working capital loan  (239)  (23 | Working capital loans                      | 17-Dec-10 | 17-Dec-10  | 3    | BKBM+ []VCI  |           |                    |       |                   |       |
| Subtotal of working capital loan  (239)  (23 |  | 47.0 40   | 47.5 40    |      | DIADIA ETVOI |           |                    |       |                   |       |
|  |  | 17-Dec-10 | 17-Dec-10  | 3    | BKRW+ []VCI  |           |                    |       |                   |       |
|  | Subtotal of working capital loan           |           |            |      |              |           | (239)              |       |                   |       |
| * include additional rows if needed  |  |           |            |      |              |           |                    |       |                   |       |
| * include additional rows if needed  |  |           |            |      |              |           |                    |       |                   |       |
| * include additional rows if needed 2,420,430 [IVCI [IVCI ]VCI ]VCI   [IVCI ]  |  |           |            |      |              |           |                    |       |                   |       |
| * include additional rows if needed 2,420,430 [JVCI [JVCI [JVCI ]  |  |           |            |      |              |           |                    |       |                   |       |
| * include additional rows if needed    Total Control C |  |           |            |      |              |           |                    |       |                   |       |
| * include additional rows if needed  * include additional rows if needed  * include additional rows if needed  |  |           |            |      |              |           |                    |       |                   |       |
| * include additional rows if needed 2,420,430 [VCI [VCI [VCI ]   |  |           |            |      |              |           |                    |       |                   |       |
| * include additional rows if needed 2,420,430 []VCI []VCI []VCI  |  |           |            |      |              |           |                    |       |                   |       |
|  | * include additional rows if needed        |           |            |      |              |           | 2,420,430          | []VCI | []VCI             | []VCI |

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

Total book value of interest bearing debt
Leverage
Average opening and closing RAB values

Attribution Rate (%)

Term credit spread differential allowance

1,106

2,455,411
44%
44%
462,991

8%

14

|     |  |                        |   |                        | Company Name<br>For Year Ended  | vector - p                                     | gas distribution<br>30 June 2013  | busilless                     |
|-----|--|------------------------|---|------------------------|---|--|---|-------------------------------|
| che | DULE 5d: REPORT ON COST ALLO dule provides information on the allocation of oper mation is part of audited disclosure information (as  | ational costs. GDBs mu |   |                        |   | Notes), including o                            | n the impact of any r   | eclassifications              |
|     |  |                        |   |                        |   |  |   |                               |
|     | d(i): Operating Cost Allocations   |                        |   |                        | Value allocat   |  |   | OVABAA                        |
|     |  |                        |   | Arm's length deduction | Gas distribution services   | Non-gas<br>distribution<br>services            | Total   | allocation<br>increase (\$00) |
|     | Service interruptions, incidents and em  | ergencies              |   |                        |   |  |   |                               |
|     | Directly attributable  Not directly attributable   |                        |   |                        | 3,966   |  |   |                               |
|     | Total attributable to regulated service  |                        |   |                        | 3,966   |  |   |                               |
|     | Routine and corrective maintenance ar  | nd inspection          |   |                        |   |  |   |                               |
|     | Directly attributable  |                        |   |                        | 3,978   |  |   |                               |
|     | Not directly attributable  |                        |   |                        | 2.070   | -  | -   |                               |
|     | Total attributable to regulated service Asset replacement and renewal  |                        |   |                        | 3,978   |  |   |                               |
|     | Directly attributable  |                        |   |                        |   |  |   |                               |
|     | Not directly attributable  |                        |   |                        |   |  | -   |                               |
|     | Total attributable to regulated service  |                        |   |                        |   |  |   |                               |
|     | System operations and network support  | rt                     |   |                        |   |  |   |                               |
|     | Directly attributable  |                        |   |                        | 2,762   |  |   |                               |
|     | Not directly attributable  |                        |   |                        | 930   | 3,763  | 4,693   |                               |
|     | Total attributable to regulated service  Business support  |                        |   |                        | 3,692   |  |   |                               |
|     | Directly attributable  |                        |   |                        | 12  |  |   |                               |
|     | Not directly attributable  |                        |   |                        | 6,009   | 35,376   | 41,385  |                               |
|     | Total attributable to regulated service  |                        |   |                        | 6,021   |  |   |                               |
|     | On a satisfact a cost of the attribute bla   |                        |   |                        | 40.740  |  |   |                               |
|     | Operating costs directly attributable<br>Operating costs not directly attributable   |                        |   |                        | 10,718  | 20.120   | 46,078  |                               |
|     |  |                        |   |                        |   |  |   |                               |
|     | Operating expenditure  id(ii): Other Cost Allocations  Pass through and recoverable costs  | e                      |   |                        | 6,939<br>17,657   | 39,139   | 40,076  |                               |
|     | Operating expenditure  | e                      |   |                        |   | 35,139   | 40,076  |                               |
|     | Operating expenditure  id(ii): Other Cost Allocations  Pass through and recoverable costs  Pass through costs  Directly attributable  Not directly attributable  | e                      |   |                        | 17,657  | 35,139   | 40,076  |                               |
|     | Operating expenditure  id(ii): Other Cost Allocations  Pass through and recoverable costs  Pass through costs  Directly attributable  Not directly attributable  Total attributable to regulated service   | e                      |   |                        | 17,657  | 33,139   | 40,076  |                               |
|     | Operating expenditure  id(ii): Other Cost Allocations  Pass through and recoverable costs  Pass through costs  Directly attributable  Not directly attributable  Total attributable to regulated service  Recoverable costs  | e                      |   |                        | 17,657  | 39,139   |   |                               |
| !   | Operating expenditure  id(ii): Other Cost Allocations  Pass through and recoverable costs  Pass through costs  Directly attributable  Not directly attributable  Total attributable to regulated service  Recoverable costs  Directly attributable   | e                      |   |                        | 17,657  | 39,139   | 40,076  |                               |
| !   | Operating expenditure  id(ii): Other Cost Allocations  Pass through and recoverable costs  Pass through costs  Directly attributable  Not directly attributable  Total attributable to regulated service  Recoverable costs  | e                      |   |                        | 17,657  | 39,139   | 40,076  |                               |
| !   | Operating expenditure  id(ii): Other Cost Allocations  Pass through and recoverable costs  Pass through costs  Directly attributable  Not directly attributable  Total attributable to regulated service  Recoverable costs  Directly attributable  Not directly attributable  | e                      |   |                        | 17,657  |  |   |                               |
|     | Operating expenditure  id(ii): Other Cost Allocations  Pass through and recoverable costs  Pass through costs  Directly attributable  Not directly attributable  Total attributable to regulated service  Recoverable costs  Directly attributable  Not directly attributable  |                        |   |                        | 17,657  |  |   |                               |
|     | Operating expenditure  id(ii): Other Cost Allocations  Pass through and recoverable costs  Pass through costs  Directly attributable  Not directly attributable  Total attributable to regulated service  Recoverable costs  Directly attributable  Not directly attributable  Total attributable to regulated service  Sid(iii): Changes in Cost Allocations* in Change in cost allocation 1  |                        |   |                        | 1,919<br>1,919  | (\$0   | -   |                               |
|     | Operating expenditure  id(ii): Other Cost Allocations  Pass through and recoverable costs  Pass through costs  Directly attributable  Not directly attributable  Total attributable to regulated service  Recoverable costs  Directly attributable  Not directly attributable  Total attributable to regulated service  id(iii): Changes in Cost Allocations* in Cost category   |                        | 7 |                        | 17,657  1,919  1,919   Original allocation  | (\$C   | -<br>000)<br>Current Year (CY)  |                               |
|     | Operating expenditure  id(ii): Other Cost Allocations  Pass through and recoverable costs  Pass through costs  Directly attributable  Not directly attributable  Total attributable to regulated service  Recoverable costs  Directly attributable  Not directly attributable  Total attributable to regulated service  Sid(iii): Changes in Cost Allocations* in Change in cost allocation 1  |                        |   |                        | 1,919<br>1,919  | (\$C   | -<br>000)<br>Current Year (CY)  |                               |
|     | Operating expenditure  id(ii): Other Cost Allocations  Pass through and recoverable costs  Pass through costs  Directly attributable  Not directly attributable  Total attributable to regulated service  Recoverable costs  Directly attributable  Not directly attributable  Total attributable to regulated service  in the cost allocation of the cost allocations or the cost allocation of the cost allocation of the cost allocation of the cost allocator or line items  New allocator or line items   |                        |   |                        | 1,919 1,919 1,919 Original allocation New allocation  | (\$C   | -<br>000)<br>Current Year (CY)  |                               |
|     | Operating expenditure  add(ii): Other Cost Allocations  Pass through and recoverable costs  Pass through costs  Directly attributable  Not directly attributable to regulated service  Recoverable costs  Directly attributable  Not directly attributable  Total attributable to regulated service  add(iii): Changes in Cost Allocations* deficitions* definitions* definitions |                        |   |                        | 1,919 1,919 1,919 Original allocation New allocation  | (\$C   | -<br>000)<br>Current Year (CY)  |                               |
|     | Operating expenditure  id(ii): Other Cost Allocations  Pass through and recoverable costs  Pass through costs  Directly attributable  Not directly attributable  Total attributable to regulated service  Recoverable costs  Directly attributable  Not directly attributable  Total attributable to regulated service  in the cost allocation of the cost allocations of the cost allocation of the items  New allocator or line items  Rationale for change   |                        |   |                        | 1,919 1,919 1,919 Original allocation New allocation  | (\$C   | -<br>000)<br>Current Year (CY)  |                               |
|     | Operating expenditure  id(ii): Other Cost Allocations  Pass through and recoverable costs  Pass through costs  Directly attributable  Not directly attributable  Total attributable to regulated service  Recoverable costs  Directly attributable  Not directly attributable  Total attributable to regulated service  in the cost allocation attributable to regulated service  id(iii): Changes in Cost Allocations* in Cost category  Original allocator or line items  New allocator or line items  Rationale for change  Change in cost allocation 2   |                        |   |                        | 1,919  1,919  1,919  Original allocation New allocation Difference  | (\$C<br>CY-1<br>30 Jun 12                      | -000) Current Year (CY) 30 Jun 13   |                               |
|     | Operating expenditure  id(ii): Other Cost Allocations  Pass through and recoverable costs  Pass through costs  Directly attributable  Not directly attributable  Total attributable to regulated service  Recoverable costs  Directly attributable  Not directly attributable  Total attributable to regulated service  id(iii): Changes in Cost Allocations*  Change in cost allocation 1  Cost category  Original allocator or line items  New allocator or line items  Rationale for change  Change in cost allocation 2  Cost category   |                        |   |                        | 17,657  1,919  1,919  1,919  Original allocation New allocation Difference  Original allocation   | (\$C<br>CY-1<br>30 Jun 12                      | Current Year (CY)   |                               |
|     | Operating expenditure  id(ii): Other Cost Allocations  Pass through and recoverable costs  Pass through costs  Directly attributable  Not directly attributable  Total attributable to regulated service  Recoverable costs  Directly attributable  Not directly attributable  Total attributable to regulated service  in the cost allocation attributable to regulated service  id(iii): Changes in Cost Allocations* in Cost category  Original allocator or line items  New allocator or line items  Rationale for change  Change in cost allocation 2   |                        |   |                        | 1,919  1,919  1,919  Original allocation New allocation Difference  | (\$C<br>CY-1<br>30 Jun 12                      | Current Year (CY)   |                               |
|     | Operating expenditure  id(ii): Other Cost Allocations  Pass through and recoverable costs  Pass through costs  Directly attributable  Not directly attributable  Total attributable to regulated service  Recoverable costs  Directly attributable  Not directly attributable  Total attributable to regulated service  id(iii): Changes in Cost Allocations* in Cost allocation 1  Cost category  Original allocator or line items  Rationale for change  Change in cost allocation 2  Cost category  Original allocator or line items  New allocator or line items  |                        |   |                        | 17,657  1,919  1,919  1,919  Original allocation New allocation Difference  Original allocation New allocation New allocation   | (\$C<br>CY-1<br>30 Jun 12                      | Current Year (CY)   |                               |
|     | Operating expenditure  add(ii): Other Cost Allocations  Pass through and recoverable costs  Pass through costs  Directly attributable  Not directly attributable  Total attributable to regulated service  Recoverable costs  Directly attributable  Not directly attributable  Total attributable to regulated service  add(iii): Changes in Cost Allocations*  Change in cost allocation 1  Cost category  Original allocator or line items  New allocator or line items  Rationale for change  Change in cost allocation 2  Cost category  Original allocator or line items   |                        |   |                        | 17,657  1,919  1,919  1,919  Original allocation New allocation Difference  Original allocation New allocation New allocation   | (\$C<br>CY-1<br>30 Jun 12                      | Current Year (CY)   |                               |
|     | Operating expenditure  id(ii): Other Cost Allocations  Pass through and recoverable costs  Pass through costs  Directly attributable  Not directly attributable  Total attributable to regulated service  Recoverable costs  Directly attributable  Not directly attributable  Total attributable to regulated service  id(iii): Changes in Cost Allocations* in Cost allocation 1  Cost category  Original allocator or line items  Rationale for change  Change in cost allocation 2  Cost category  Original allocator or line items  New allocator or line items  |                        |   |                        | 17,657  1,919  1,919  1,919  Original allocation New allocation Difference  Original allocation New allocation New allocation   | (\$C<br>CY-1<br>30 Jun 12                      | Current Year (CY)   |                               |
|     | Operating expenditure  id(ii): Other Cost Allocations  Pass through and recoverable costs  Pass through costs  Directly attributable  Not directly attributable  Total attributable to regulated service  Recoverable costs  Directly attributable  Not directly attributable  Total attributable to regulated service  id(iii): Changes in Cost Allocations* in Cost allocation 1  Cost category  Original allocator or line items  Rationale for change  Change in cost allocation 2  Cost category  Original allocator or line items  New allocator or line items  |                        |   |                        | 17,657  1,919  1,919  1,919  Original allocation New allocation Difference  Original allocation New allocation Difference   | (\$\( \text{CY-1} \) 30 Jun 12                 | Current Year (CV)<br>30 Jun 13  |                               |
|     | Operating expenditure  id(ii): Other Cost Allocations  Pass through and recoverable costs  Pass through costs  Directly attributable  Not directly attributable  Total attributable to regulated service  Recoverable costs  Directly attributable  Not directly attributable  Total attributable to regulated service  id(iii): Changes in Cost Allocations*  Change in cost allocation 1  Cost category  Original allocator or line items  New allocator or line items  Rationale for change  Change in cost allocation 2  Cost category  Original allocator or line items  New allocator or line items  Rationale for change  Change in cost allocation 3  Cost category   |                        |   |                        | 17,657  1,919  1,919  1,919  Original allocation New allocation Difference  Original allocation Difference  Original allocation Original allocation Original allocation         | (\$C<br>CY-1<br>30 Jun 12<br>CY-1<br>30 Jun 12 | Current Year (CV) 30 Jun 13  Current Year (CV) 30 Jun 13  Current Year (CV) |                               |
|     | Operating expenditure  id(ii): Other Cost Allocations  Pass through and recoverable costs  Pass through costs  Directly attributable  Not directly attributable  Total attributable to regulated service  Recoverable costs  Directly attributable  Not directly attributable  Total attributable to regulated service  Recoverable costs  Directly attributable  Total attributable to regulated service  Total attributable to regulated service  In attributable to regulated service  Change in cost allocation 1  Cost category  Original allocator or line items  Rationale for change  Change in cost allocation 2  Cost category  Original allocator or line items  New allocator or line items  Rationale for change  Change in cost allocation 3  Cost category  Original allocator or line items  |                        |   |                        | 17,657  1,919  1,919  1,919  Original allocation New allocation Difference  Original allocation New allocation Original allocation New allocation New allocation New allocation | (\$C<br>CY-1<br>30 Jun 12<br>CY-1<br>30 Jun 12 | Current Year (CV) 30 Jun 13  Current Year (CV) 30 Jun 13  Current Year (CV) |                               |
|     | Operating expenditure  id(ii): Other Cost Allocations  Pass through and recoverable costs  Pass through costs  Directly attributable  Not directly attributable  Total attributable to regulated service  Recoverable costs  Directly attributable  Not directly attributable  Total attributable to regulated service  id(iii): Changes in Cost Allocations*  Change in cost allocation 1  Cost category  Original allocator or line items  New allocator or line items  Rationale for change  Change in cost allocation 2  Cost category  Original allocator or line items  New allocator or line items  Rationale for change  Change in cost allocation 3  Cost category   |                        |   |                        | 17,657  1,919  1,919  1,919  Original allocation New allocation Difference  Original allocation Difference  Original allocation Original allocation Original allocation         | (\$C<br>CY-1<br>30 Jun 12<br>CY-1<br>30 Jun 12 | Current Year (CV) 30 Jun 13  Current Year (CV) 30 Jun 13  Current Year (CV) |                               |
|     | Operating expenditure  id(ii): Other Cost Allocations  Pass through and recoverable costs  Pass through costs  Directly attributable  Not directly attributable  Total attributable to regulated service  Recoverable costs  Directly attributable  Not directly attributable  Total attributable to regulated service  Recoverable costs  Directly attributable  Total attributable to regulated service  Total attributable to regulated service  In attributable to regulated service  Change in cost allocation 1  Cost category  Original allocator or line items  Rationale for change  Change in cost allocation 2  Cost category  Original allocator or line items  New allocator or line items  Rationale for change  Change in cost allocation 3  Cost category  Original allocator or line items  |                        |   |                        | 17,657  1,919  1,919  1,919  Original allocation New allocation Difference  Original allocation New allocation Original allocation New allocation New allocation New allocation | (\$C<br>CY-1<br>30 Jun 12<br>CY-1<br>30 Jun 12 | Current Year (CV) 30 Jun 13  Current Year (CV) 30 Jun 13  Current Year (CV) |                               |

15 S5d.Cost Allocations

Company Name Vector - gas distribution business For Year Ended 30 June 2013 **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. 5e(i):Regulated Service Asset Values Value allocated (\$000s) Gas distribution Main pipe 11 Directly attributable 379,173 12 Not directly attributable Total attributable to regulated service 379,173 Service pipe 15 Directly attributable 16 Not directly attributable 17 Total attributable to regulated service 18 Stations Directly attributable 20 Not directly attributable 21 Total attributable to regulated service Line valve 22 Directly attributable 24 Not directly attributable 25 Total attributable to regulated service Special crossings 26 Directly attributable 28 Not directly attributable 29 Total attributable to regulated service Other network assets 30 Directly attributable 31 10,676 Not directly attributable 33 Total attributable to regulated service 34 Non-network assets 35 Directly attributable Not directly attributable Total attributable to regulated service 39 Regulated service asset value directly attributable Regulated service asset value not directly attributable Total closing RAB value 42 5e(ii): Changes in Asset Allocations\* † Current Year (CY) CY-1 Change in asset value allocation 1 30 Jun 12 30 Jun 13 Asset category
Original allocator or line items Original allocation 54 55 New allocator or line items Difference Rationale for change 59 Current Year (CY) Change in asset value allocation 2 Original allocation 61 Asset category
Original allocator or line items New allocation 63 New allocator or line items Difference 64 Rationale for change 66 CY-1 Current Year (CY) Change in asset value allocation 3 30 Jun 12 30 Jun 13 68 Asset category
Original allocator or line items Original allocation New allocator or line items Difference 71 Rationale for change 72 \* a change in asset allocation must be completed for each allocator or component 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

16 S5e.Asset Allocations

Company Name Vector - gas distribution business 30 June 2013 For Year Ended SCHEDULE 5h: REPORT ON TRANSITIONAL FINANCIAL INFORMATION • the calculation of the initial RAB value for the GDB; • how the initial RAB value has been rolled forward to 30 June 2012 for Gasnet and Vector, and to 30 September 2012 for Powerco; a summary of revaluations, • the value of works under construction, and regulatory tax. GDBs must complete this schedule in relation to the disclosure year ending 2012, and at that time must provide explanatory comment in Schedule 14b (Explanatory Notes on Transitional Financial Information) on the tax effect of temporary differences disclosed in part 5h(vii) of this schedule.

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. **Regulatory Asset Base Value** 5h(i): Establishment of Initial Regulatory Asset Base Value (\$000) (\$000) 10 11 2009 disclosed assets - Non-Current Assets as of 31 March 2009 117,303 2009 authorised assets 289,421 13 2009 modified asset values (adjusted for results of asset adjustment process) 426,09 14 Adjustment to reinstate 2009 modified asset values to unallocated amounts 25.38 15 Unallocated 2009 modified asset values 451.474 16 17 (to the extent included in row 13) 18 Assets not used to supply gas distribution services 20 Non-qualifying intangible assets 21 Works under construction Unallocated asset values excluded from unallocated 2009 modified asset values 4,660 23 24 Unallocated initial RAB values 446,814 25 5h(ii): Roll forward of Unallocated Regulatory Asset Base Value - 2010, 2011 and 2012 26 27 2011 2012 (\$000) (\$000) (\$000) (\$000) (\$000) (\$000) 28 29 Total opening RAB value 446,814 31 25,173 32 plus 7,264 14,258 33 4,463 **Total revaluations** 34 plus 35 Assets commissioned (other than below) 31,003 33,334 36 Assets acquired from a regulated supplier 37 Assets acquired from a related party 19,721 33,334 38 Assets commissioned 31,003 40 Asset disposals (other than below) 539 41 Assets disposed of to a regulated supplier 42 Assets disposed of to a related party 75 43 Asset disposals 723 539 44 45 plus Lost and found assets adjustment 46 Total closing RAB value 447,903 472,196 486,851 5h(iii): Calculation of Revaluation Rate and Indexed Revaluation 55 (\$000 unless otherwise specified) 56 2011 57 CPI at CPI reference date—preceding disclosure year 1,121 58 CPI at CPI reference date—current disclosure year 1,121 1,157 59 1.67% 3.21% 60 Revaluation rate (%) 0.95% 62 Total opening RAB value 63 446,814 447,903 472,196 Opening RAB value of fully depreciated, disposed and lost assets 64 10,548 65 66 Total opening RAB value subject to revaluation 67 Total revaluations 14,25 4,463 68 Unallocated works under 5h(iv): Works Under Construction Allocated works under construction 69 70 5,241 4,773 Works under construction—year ended 2009 72 plus Capital expenditure—year ended 2010 12,151 22,912 Assets commissioned—year ended 2010 12,363 19,721 74 plus Adjustment resulting from asset allocation—year ended 2010 75 Works under construction—year ended 2010 8.432 4 616 76 plus Capital expenditure—year ended 2011 19.12 77 less Assets commissioned—year ended 2011 31.003 22.74 78 Adjustment resulting from asset allocation—year ended 2011 plus 79 Works under construction—year ended 2011 5,479 1,022 80 Capital expenditure—year ended 2012 plus 29,422 20,432 81 Assets commissioned—year ended 2012 less 33,334 20,664 82 Adjustment resulting from asset allocation—year ended 2012 83 Works under construction—year ended 2012 1.567 707

Company Name Vector - gas distribution business 30 June 2013 For Year Ended SCHEDULE 5h: REPORT ON TRANSITIONAL FINANCIAL INFORMATION This schedule requires information the calculation of the initial RAB value for the GDB;
 how the initial RAB value has been rolled forward to 30 June 2012 for Gasnet and Vector, and to 30 September 2012 for Powerco; a summary of revaluations • the value of works under construction, and regulatory tax. GDBs must complete this schedule in relation to the disclosure year ending 2012, and at that time must provide explanatory comment in Schedule 14b (Explanatory Notes on Transitional Financial Information) on the tax effect of temporary differences disclosed in part 5h(vii) of this schedule.

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. 86 (\$000) 87 5h(v): Initial Difference in Asset Values and Amortisation 2010 Sum of initial RAB values 88 418,694 89 Sum of regulatory tax asset values 240,659 Sum of initial differences in asset values 178,035 91 92 2010 2011 2012 Opening unamortised initial differences in asset values 94 Amortisation of initial difference in asset values 95 Adjustment for unamortised initial differences in assets acquired 96 Adjustment for unamortised initial differences in assets disposed (623 97 Closing unamortised initial difference in asset values 173,271 168,958 165,004 99 Opening weighted average remaining asset life (years)-Weighted average remaining useful life of relevant assets (years) 43 42 41 (\$000) 107 5h(vi): Reconciliation of Tax Losses (GDB Business) 2010 2011 2012 108 Opening tax losses 109 Current period tax losses 110 Utilised tax losses 111 Closing tax losses 112 5h(vii): Calculation of Deferred Tax Balance 113 2010 114 Opening deferred tax (9,403) 115 116 Tax effect of adjusted depreciation 4,025 3.710 3,696 117 118 Tax effect of total tax depreciation - [PER ISSUES REGISTER #293 - ENTER AS A NEGATIVE NUMBER] (8,015) (7,825) (7,046) 119 120 plus Tax effect of other temporary differences \* 623 559 (624) 121 Tax effect of amortisation of initial differences in asset values 122 1,242 1,238 1,154 less 123 233 124 Deferred tax balance relating to assets acquired / (disposed) in the disclosure year 125 126 Deferred tax cost allocation adjustment 58 (32) 127 (14,619) 128 Closing deferred tax (4.318) (9.403)5h(viii): Disclosure of Temporary Differences 129 In Schedule 14, provide descriptions and workings of items recorded in the asterisked category in Schedule 5h(vii) (Tax effect of other temporary differences). 130 131 5h(ix): Regulatory Tax Asset Base Roll-Forward 2010 2011 2012 132 Sum of unallocated initial RAB values 446.814 133 Sum of adjusted tax values Sum of tax asset values 267,85 135 Result of asset allocation ratio 136 Opening Sum of regulatory tax asset values 240,6 223,268 221,628 137 Regulatory tax depreciation 138 Regulatory tax asset value of assets commissioned 9,42 24,392 139 less Regulatory tax asset value of asset disposals 247 140 plus Lost and found assets adjustment Other adjustments to the RAB tax value 193 (328 141 plus Closing sum of regulatory tax asset values 142 223,268 221,628 217,392

Vector - gas distribution business Company Name For Year Ended 30 June 2013 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. 6a(i): Expenditure on Assets (\$000) (\$000) Consumer connection 10,322 649 System growth Asset replacement and renewal 9,933 11 Asset relocations Reliability, safety and environment: 13 Quality of supply 14 Legislative and regulatory 15 Other reliability, safety and environment 20 16 Total reliability, safety and environment Expenditure on network assets 18 19 Non-network assets 20 Expenditure on assets 24,327 21 Cost of financing plus Value of capital contributions 23 24 Value of vested assets 20,910 6a(ii): Subcomponents of Expenditure on Assets (where known) (\$000) 26 27 6a(iii): Consumer Connection 28 (\$000) (\$000) 29 Consumer types defined by GDB\* 31 32 33 34 include additional rows if needed 35 36 37 Consumer connection expenditure Capital contributions funding consumer connection expenditure 39 Consumer connection less capital contributions 6a(iv): System Growth and Asset Replacement and Renewal 47 Replacement and System Growth 49 50 (\$000) (\$000) Intermediate pressure Main pipe Service pipe 52 53 Stations 54 Line valve 55 Special crossings 56 Intermediate pressure -total Medium pressure 58 Main pipe Service pipe 60 Stations 61 Line valve 62 Special crossings 63 Medium pressure - total 64 Low pressure Main pipe 65 66 Service pipe 67 Line valve 68 Special crossings 69 Low pressure - total 70 Other network assets Monitoring and control systems 71 72 Cathodic protection systems 73 74 Other network assets - total 75 76 System growth and asset replacement and renewal expenditure 77 Capital contributions funding system growth and asset replacement and renewal 78 System growth and asset replacement and renewal less capital contributions 6a(v): Asset Relocations 79 80 (\$000) (\$000) Project or programme\* 81 82 [Description of material project or programme] 83 [Description of material project or programme] 84 [Description of material project or programme] 85 \* include additional rows if needed All other asset relocations projects or programmes

|            |   | Company Name                                  | Vector - gas distribution business                |
|------------|---|---|---|
|            |   | For Year Ended                                | 30 June 2013                                      |
| SC         | HEDULE 6a: REPORT ON CAPITAL EXPENDITURE FOR THE  | DISCLOSURE YEAR                               |   |
|            | schedule requires a breakdown of capital expenditure on assets incurred in the disclosure y   |   | capital contributions are received, but excluding |
|            | ts that are vested assets. Information on expenditure on assets must be provided on an acco   |   | nce costs.  |
|            | s must provide explanatory comment on their expenditure on assets in Schedule 14 (Explana<br>information is part of audited disclosure information (as defined in section 1.4 of the ID det |   | ice report required by section 2.8                |
| 11115      | information is part of addited disclosure information (as defined in section 1.4 of the 10 det  | ermination), and so is subject to the assuran | ce report required by section 2.6.                |
| sch rej    | •   |   |   |
| 88         | Asset relocations expenditure   |   | -   |
| 89         | less Capital contributions funding asset relocations  |   |   |
| 90         | Asset relocations less capital contributions  |   | -   |
|            | 6 ( 1) <b>6</b> 111 ( 6 )   |   |   |
| 91         | 6a(vi): Quality of Supply   |   |   |
| 92         | Project or programme*   | 1   | (\$000) (\$000)                                   |
| 93<br>94   | [Description of material project or programme] [Description of material project or programme]   |   |   |
| 95         | [Description of material project or programme]  |   |   |
| 96         | [Description of material project or programme]  |   |   |
| 97         | [Description of material project or programme]  |   |   |
| 98         | * include additional rows if needed   |   |   |
| 99         | All other quality of supply projects or programmes  |   |   |
| 100        | Quality of supply expenditure   |   |   |
| 101        | less Capital contributions funding quality of supply  |   |   |
| 102        | Quality of supply less capital contributions  |   |   |
|            |   |   |   |
| 110        | 6a(vii): Legislative and Regulatory   |   |   |
| 111        | Project or programme*   |   | (\$000) (\$000)                                   |
| 112        | [Description of material project or programme]  |   | (5000)  |
| 113        | [Description of material project or programme]  |   |   |
| 114        | [Description of material project or programme]  |   |   |
| 115        | [Description of material project or programme]  |   |   |
| 116        | [Description of material project or programme]  |   |   |
| 117        | * include additional rows if needed   |   |   |
| 118        | All other legislative and regulatory projects or programmes   |   |   |
| 119        | Legislative and regulatory expenditure  |   |   |
| 120<br>121 | less Capital contributions funding legislative and regulatory   |   |   |
| 122        | Legislative and regulatory less capital contributions   |   |   |
| 122        |   |   |   |
| 123        | 6a(viii): Other Reliability, Safety and Environment   |   |   |
| 124        | Project or programme*   |   | (\$000) (\$000)                                   |
| 125        | [Description of material project or programme]  |   |   |
| 126        | [Description of material project or programme]  |   |   |
| 127        | [Description of material project or programme]  |   |   |
| 128        | [Description of material project or programme]  |   |   |
| 129        | [Description of material project or programme]  * include additional rows if needed   | l   |   |
| 130        |   |   |   |
| 131<br>132 | All other reliability, safety and environment projects or programmes  Other reliability, safety and environment expenditure   |   |   |
| 133        | less Capital contributions funding other reliability, safety and environment  |   |   |
| 134        | Other reliability, safety and environment less capital contributions  |   | -   |
|            |   |   |   |
| 135        | 6a(ix): Non-Network Assets  |   |   |
| 136        | Routine expenditure   |   |   |
| 137        | Project or programme*   |   | (\$000) (\$000)                                   |
| 138        | [Description of material project or programme]  |   |   |
| 139<br>140 | [Description of material project or programme]  [Description of material project or programme]  |   |   |
| 140        | [Description of material project or programme]  |   |   |
| 142        | [Description of material project or programme]  |   |   |
| 143        | * include additional rows if needed   |   |   |
| 144        | All other routine expenditure projects or programmes  |   |   |
| 145        | Routine expenditure   |   |   |
| 146        | Atypical expenditure  |   |   |
| 147        | Project or programme*   |   | (\$000) (\$000)                                   |
| 148        | [Description of material project or programme]  |   |   |
| 149        | [Description of material project or programme]  |   |   |
| 150        | [Description of material project or programme]  |   |   |
| 151        | [Description of material project or programme]  |   |   |
| 152        | [Description of material project or programme]  |   |   |
| 153        | * include additional rows if needed   |   |   |
| 154        | All other atypical expenditure projects or programmes   |   |   |
| 155<br>156 | Atypical expenditure  |   |   |
| 157        | Non-network assets expenditure  |   |   |
| 137        |   |   |   |

20 S6a.Actual Expenditure Capex

**Vector - gas distribution business** Company Name 30 June 2013 For Year Ended SCHEDULE 6b: REPORT ON OPERATIONAL EXPENDITURE FOR THE DISCLOSURE YEAR This schedule requires a breakdown of operating 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 operating 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 6b(i): Operational Expenditure (\$000) (\$000) Service interruptions, incidents and emergencies 3,966 8 Routine and corrective maintenance and inspection 3,978 Asset replacement and renewal 10 11 **Network opex** 7,944 12 System operations and network support 3,692 13 **Business support** 6,021 14 Non-network opex 9,713 15 **Operational expenditure** 17,657 16 6b(ii): Subcomponents of Operational Expenditure (where known) 17 Research and development 18 19 225 Insurance

Company Name

Vector - gas distribution business

For Year Ended

30 June 2013

## 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.

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|---|---|---|---|---|---|
|   |   |   |   |   |   |

| 8        | 7(i): Revenue   | Target (\$000) 1              | Actual (\$000) | % variance |
|----------|---|-------------------------------|----------------|------------|
| 9        | Line charge revenue   | 89,900                        | 86,508         | (4%)       |
| ,        | Line dridinge revenue   | 03,300                        | 00,300         | (470)      |
| 10       | 7(ii): Expenditure on Assets  | Forecast (\$000) <sup>2</sup> | Actual (\$000) | % variance |
| 11       | Consumer connection   |                               | 10,322         | -          |
| 12       | System growth   |                               | 649            | -          |
| 13       | Asset replacement and renewal   |                               | 9,933          | -          |
| 14       | Asset relocations   |                               | 1,215          | -          |
| 15       | Reliability, safety and environment:  |                               | •              |            |
| 16       | Quality of supply   |                               | 425            | -          |
| 17       | Legislative and regulatory  |                               | -              | -          |
| 18       | Other reliability, safety and environment   |                               | 20             | -          |
| 19       | Total reliability, safety and environment   | -                             | 445            | -          |
|          | Expenditure on network assets   | 20,865                        | 22,564         | 8%         |
| 21       | Non-network capex   |                               | 1,763          | -          |
| 22       | Expenditure on assets   |                               | 24,327         | -          |
| 23       | 7(iii): Operational Expenditure   |                               |                |            |
| 24       | Service interruptions, incidents and emergencies  |                               | 3,966          | -          |
| 25       | Routine and corrective maintenance and inspection   |                               | 3,978          | -          |
| 26       | Asset replacement and renewal   |                               | -              | -          |
| 27       | Network opex  | -                             | 7,944          | -          |
| 28       | System operations and network support   |                               | 3,692          | -          |
| 29       | Business support  |                               | 6,021          | -          |
| 30       | Non-network opex  | -                             | 9,713          | -          |
| 31       | Operational expenditure   | 23,949                        | 17,657         | (26%)      |
| 32       | 7(iv): Subcomponents of Expenditure on Assets (where known  | n)                            |                |            |
| 33       | Research and development  |                               | -              | -          |
| 34       | 7(v): Subcomponents of Operational Expenditure (where know  | vn)                           |                |            |
| 35       | Research and development  |                               | -              | -          |
| 36       | Insurance   |                               | 225            | -          |
| 37<br>38 | 1 From the nominal dollar target revenue for the disclosure year disclosed under clause 2.4.3(3) of the Determin 2 From the nominal dollar expenditure forecast and disclosed in the second to last AMP as the year CY+1 foreca |                               |                |            |

Company Name Vector - gas distribution business 30 June 2013 For Year Ended Network / Sub-Network Name Combined **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. 8(i): Billed quantities by price component Add extra columns Billed quantities by price component for additional billed quantities by price component Variable Price component Fixed as necessary 10 Unit charging basis Quantity of gas delivered davs kWh (eg, days, GJ, etc.) Consumer type or types (eg, residential, Standard or non-standard Average no. of ICPs in to ICPs (TJ per annum) in Consumer group name or price category code commercial, etc.) consumer group (specify) disclosure year 13 Residential Standard 86,473 2,183 31,519,217 606,297,006 GA01 14 ommercial Standard 2.250 203 818.204 56.512.306 15 2,408 780 216,612,858 16 GA03 848 1.738 309.353 482.642.619 Commercial Standard GA04 125 1,387 385,361,561 Standard 45,518 GNOR 18 59.768 1.327 21.767.042 368.655.286 esidential Standard 162 Standard 2,106 45,018,37 GN02 1,314 397 478.067 110.408.32 20 ommercial Standard GN03 ommercial Standard 493 681 179,878 189,073,728 22 GN04 288 ommercial Standard 42 14.838 79,935,760 3,403,894,93 24 Add extra rows for additional consumer groups or price category codes as necessary 26 Standard consumer totals 155,827 9.146 56,778,951 2,540,517,818 Non-standard consumer totals 12,254 3,403,894,939 155 977 28 29 Total for all consumers 21.400 56.831.259 5,944,412,757 8(ii): Line charge revenues (\$000) by price component Line charge revenues by price component Add extra columns for additional line charae revenues Price component Fixed Variable by price 40 component as necessary Total line charge Rate (eg. \$/day. Notional revenue \$/kWh Consumer group name or price Consumer type or types (eg, residential, Standard or non-standard revenue in disclosure foregone (if applicable) \$/GJ, etc.) category code commercial, etc.) consumer group (specify) year \$27,690 \$8,098 \$19,592 43 Residential Standard \$1,963 \$307 45 GA02 commercial Standard \$5,724 \$1,173 \$4,551 \$7,396 Standard GA04 \$4,454 Standard \$524 Commercial GNOR \$17,754 \$5,474 Residential Standard \$12,280 49 GN01 \$1.588 commercial Standard \$260 \$1,328 \$3,346 \$232 \$3,114 Standard GN03 Standard \$4,932 \$578 \$4,354 Commercial GN04 \$1,532 \$150 \$1,382 Standard 53 \$4,190 Non-standard commercial Non-standard \$10,129 \$5,939 Add extra rows for additional consumer groups or price category codes as necessary Standard consumer totals \$76,379 \$17,991 \$58,388 57 \$5,939 \$4,190 Non-standard consumer totals Total for all consumers

Company Name Vector - gas distribution business 30 June 2013 For Year Ended Network / Sub-Network Name North Island **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. 8(i): Billed quantities by price component Add extra columns Billed quantities by price component for additional billed quantities by price component Fixed Variable Price component as necessary 10 Unit charging basis Quantity of gas delivered davs kWh (eg, days, GJ, etc.) Consumer type or types (eg, residential, Standard or non-standard Average no. of ICPs in to ICPs (TJ per annum) in Consumer group name or price commercial, etc.) category code consumer group (specify) disclosure year 13 GNOR Residential Standard 59,768 1,327 21,767,042 368,655,286 14 GN01 ommercial Standard 2.106 162 768.735 45.018.371 15 GN02 1,314 397 110,408,32 16 GN03 493 681 179.878 189.073.728 Standard Commercial GN04 79,935,760 Standard 14,838 18 Non-standard Ion-standard 6.581 25.645 1.828.041.199 ommercial Select one 20 [Select one] [Select one] 22 Select one] Select one] [Select one] Add extra rows for additional consumer groups or price category codes as necessary 26 Standard consumer totals 63.723 2,855 23.208.560 793,091,468 Non-standard consumer totals 6,581 1,828,041,199 63,799 28 29 Total for all consumers 23,234,205 2,621,132,667 8(ii): Line charge revenues (\$000) by price component Line charge revenues by price component Add extra columns for additional line charae revenues Price component Fixed Variable by price 40 component as necessarv Total line charge Notional revenue Rate (eg. \$/day. \$/kWh Consumer group name or price Consumer type or types (eg, residential, Standard or non-standard revenue in disclosure foregone (if applicable) \$/GJ. etc.) category code commercial, etc.) consumer group (specify) year 43 Residential \$17,754 \$5,474 \$12,280 GNOR Standard 44 GN01 \$1,588 \$1,328 45 GN02 ommercial Standard \$3,346 \$232 \$3,114 GN03 Standard \$4,932 \$4,354 GN04 \$1,532 \$1,382 Standard \$150 ommercial \$4,678 \$1,415 Non-standard Non-standard 49 [Select one] Select one] 51 [Select one] [Select one] 53 Select one] Add extra rows for additional consumer groups or price category codes as necessary Standard consumer totals \$29,152 \$6,694 \$22,458 57 \$1,415 Non-standard consumer totals \$4,678 \$3,263 Total for all consumers

Company Name Vector - gas distribution business 30 June 2013 For Year Ended Network / Sub-Network Name Auckland **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. 8(i): Billed quantities by price component Add extra columns Billed quantities by price component for additional billed quantities by price component Fixed Variable Price component as necessary 10 Unit charging basis Quantity of gas delivered davs kWh (eg, days, GJ, etc.) Consumer type or types (eg, residential, Standard or non-standard Average no. of ICPs in to ICPs (TJ per annum) in Consumer group name or price commercial, etc.) category code consumer group (specify) disclosure year 13 GAOR Residential Standard 86,473 2,183 31,519,217 606,297,006 14 GA01 ommercial Standard 2.250 203 818.204 56.512.306 15 GA02 2,408 780 216,612,858 16 GA03 848 1.738 309.353 482.642.619 Standard Commercial GA04 125 1,387 385,361,561 Standard 45,518 18 Non-standard Ion-standard 5.673 26.663 1.575.853.740 ommercial Select one 20 [Select one] [Select one] 22 [Select one] Select one] [Select one] Add extra rows for additional consumer groups or price category codes as necessary 26 Standard consumer totals 92.104 6.291 33,570,391 1.747.426.350 Non-standard consumer totals 5,673 1,575,853,740 92,178 3,323,280,090 28 29 Total for all consumers 33.597.054 8(ii): Line charge revenues (\$000) by price component Line charge revenues by price component Add extra columns for additional line charae revenues Price component Fixed Variable by price 40 component as necessarv Total line charge Notional revenue Rate (eg. \$/day. \$/kWh Consumer group name or price Consumer type or types (eg, residential, Standard or non-standard revenue in disclosure foregone (if applicable) \$/GJ. etc.) category code commercial, etc.) consumer group (specify) year 43 Residential \$27,690 \$8,098 \$19,592 Standard 44 GA01 \$1,963 \$307 45 GA02 ommercial Standard \$5,724 \$1.173 \$4,551 3A03 Standard \$7,396 GA04 \$4,454 Standard \$524 ommercial \$5,451 \$2,676 \$2,775 Non-standard Non-standard 49 [Select one] Select one] 51 [Select one] [Select one] 53 [Select one] Add extra rows for additional consumer groups or price category codes as necessary Standard consumer totals \$47,227 \$11,297 \$35,930 57 \$2,775 Non-standard consumer totals \$5,451 Total for all consumers

Company Name
For Year Ended
Network / Sub-network Name

Vector - gas distribution business
30 June 2013
Combined

# **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

| Operating Pressure Intermediate Pressure | Asset Category  Main pipe  Main pipe  Main pipe  Service pipe  Service pipe  Service pipe  Stations  Line valve | Asset Class  IP PE main pipe  IP steel main pipe  IP other main pipe  IP PE service pipe  IP steel service pipe  IP other service pipe        | Units<br>km<br>km<br>km<br>km   | year (quantity) 0 km 407 km 0 km 0 km   | year (quantity) 0 km 404 km 0 km   | Net change  (3)  -   | (1-4)<br>N/A<br>4<br>N/A   |
|--|---|---|---|---|--|--|--|
| Intermediate Pressure<br>Intermediate Pressure<br>Intermediate Pressure<br>Intermediate Pressure<br>Intermediate Pressure<br>Intermediate Pressure   | Main pipe Main pipe Service pipe Service pipe Service pipe Stations   | IP steel main pipe IP other main pipe IP PE service pipe IP steel service pipe IP other service pipe  | km<br>km<br>km  | 407 km<br>0 km<br>0 km  | 404 km<br>0 km<br>0 km   | -<br>(3)<br>-  | 4<br>N/A   |
| Intermediate Pressure<br>Intermediate Pressure<br>Intermediate Pressure<br>Intermediate Pressure<br>Intermediate Pressure<br>Intermediate Pressure   | Main pipe Service pipe Service pipe Service pipe Stations   | IP other main pipe IP PE service pipe IP steel service pipe IP other service pipe   | km<br>km  | 0 km<br>0 km  | 0 km<br>0 km   | (3)<br>-<br>-  | N/A  |
| Intermediate Pressure<br>Intermediate Pressure<br>Intermediate Pressure<br>Intermediate Pressure<br>Intermediate Pressure  | Service pipe Service pipe Service pipe Stations   | IP PE service pipe IP steel service pipe IP other service pipe  | km  | 0 km  | 0 km   | -  | · · · · · · · · · · · · · · · · · · ·  |
| Intermediate Pressure<br>Intermediate Pressure<br>Intermediate Pressure<br>Intermediate Pressure   | Service pipe Service pipe Stations  | IP steel service pipe IP other service pipe   |   | _   |  | -  | NI/A   |
| Intermediate Pressure<br>Intermediate Pressure<br>Intermediate Pressure  | Service pipe<br>Stations  | IP other service pipe   | km  | 8 km  | 0.1  |  | N/A  |
| Intermediate Pressure<br>Intermediate Pressure   | Stations  | • • •   |   | O KIII  | 8 km   | (0)  | 3  |
| Intermediate Pressure  |   | Intones distances DDC   | km  | 0 km  | 0 km   | -  | N/A  |
|  | Line valve  | Intermediate pressure DRS   | No.   | 206   | 206  | -  | 4  |
| Intermediate Pressure  | Lille valve   | IP line valves  | No.   | 873   | 892  | 19   | 3  |
|  | Special crossings   | IP crossings  | No.   | 44  | 44   | -  | 3  |
| Medium Pressure  | Main pipe   | MP PE main pipe   | km  | 6,133 km  | 6,241 km   | 108  | 4  |
| Medium Pressure  | Main pipe   | MP steel main pipe  | km  | 367 km  | 366 km   | (1)  | 4  |
| Medium Pressure  | Main pipe   | MP other main pipe  | km  | 2 km  | 2 km   | (0)  | 4  |
| Medium Pressure  | Service pipe  | MP PE service pipe  | km  | 3,205 km  | 3,275 km   | 69   | 3  |
| Medium Pressure  | Service pipe  | MP steel service pipe   | km  | 47 km   | 46 km  | (0)  | 3  |
| Medium Pressure  | Service pipe  | MP other service pipe   | km  | 5 km  | 5 km   | (0)  | 3  |
| Medium Pressure  | Stations  | Medium pressure DRS   | No.   | 275   | 284  | 9  | 4  |
| Medium Pressure  | Line valve  | MP line valves  | No.   | 3,772   | 3,858  | 86   | 3  |
| Medium Pressure  | Special crossings   | MP special crossings  | No.   | 99  | 102  | 3  | 3  |
| Low Pressure   | Main pipe   | LP PE main pipe   | km  | 47 km   | 46 km  | (1)  | 3  |
| Low Pressure   | Main pipe   | LP steel main pipe  | km  | 23 km   | 11 km  | (11)   | 3  |
| Low Pressure   | Main pipe   | LP other main pipe  | km  | 39 km   | 19 km  | (21)   | 3  |
| Low Pressure   | Service pipe  | LP PE service pipe  | km  | 64 km   | 49 km  | (15)   | 3  |
| Low Pressure   | Service pipe  | LP steel service pipe   | km  | 14 km   | 7 km   | (6)  | 3  |
| Low Pressure   | Service pipe  | LP other service pipe   | km  | 0 km  | 0 km   | (0)  | 3  |
| Low Pressure   | Line valve  | LP line valves  | No.   | 41  | 34   | (7)  | 3  |
|  | Special crossings   | LP special crossings  | No.   | 1   | 1  | -  | 3  |
| Low Pressure   | Monitoring & control systems  | Remote terminal units   | No.   | 65  | 66   | 1  | 4  |
| Low Pressure<br>All  |   | Cathodic protection   | No.   | =0  |  |  | 3  |
|  | Low Pressure Low Pressure Low Pressure Low Pressure   | Low Pressure  Low Pressure  Service pipe  Service pipe  Service pipe  Service pipe  Low Pressure  Line valve  Low Pressure  Special crossings | Low Pressure Low Pressure Low Pressure Service pipe Low Pressure Service pipe Low Pressure Service pipe Low Pressure Line valve Low Pressure Special crossings All Monitoring & control systems LP PE service pipe LP other service pipe LP pipe LP other service pipe LP pipe LP special crossings Remote terminal units | Low Pressure       Service pipe       LP Eservice pipe       km         Low Pressure       Service pipe       LP steel service pipe       km         Low Pressure       Service pipe       LP other service pipe       km         Low Pressure       Line valve       LP line valves       No.         Low Pressure       Special crossings       LP special crossings       No.         All       Monitoring & control systems       Remote terminal units       No. | Low Pressure       Service pipe       LP PE service pipe       km       64 km         Low Pressure       Service pipe       LP steel service pipe       km       14 km         Low Pressure       Service pipe       LP other service pipe       km       0 km         Low Pressure       Line valve       LP line valves       No.       41         Low Pressure       Special crossings       LP special crossings       No.       1         All       Monitoring & control systems       Remote terminal units       No.       65 | Low Pressure       Service pipe       LP PE service pipe       km       64 km       49 km         Low Pressure       Service pipe       LP steel service pipe       km       14 km       7 km         Low Pressure       Service pipe       LP other service pipe       km       0 km       0 km         Low Pressure       Line valve       LP line valves       No.       41       34         Low Pressure       Special crossings       LP special crossings       No.       1       1         All       Monitoring & control systems       Remote terminal units       No.       65       66 | Low Pressure Service pipe LP PE service pipe km 64 km 49 km (15)  Low Pressure Service pipe LP steel service pipe km 14 km 7 km (6)  Low Pressure Service pipe LP other service pipe km 0 km 0 km (0)  Low Pressure Line valve LP line valves No. 41 34 (7)  Low Pressure Special crossings LP special crossings No. 1 1 1 -  All Monitoring & control systems Remote terminal units No. 65 66 1 |

| Company Name               | Vector - gas distribution business |
|----------------------------|------------------------------------|
| For Year Ended             | 30 June 2013                       |
| Network / Sub-network Name | North Island                       |

# **SCHEDULE 9a: ASSET REGISTER**

This schedule requires a summary of the quantity of assets that make up the network, by asset category and asset class.

sch ref

| 8  | Operating Procesure   | Assat Catagony               | Asset Class               | Units | Items at start of    | Items at end of         | Not change | Data accuracy |
|----|-----------------------|------------------------------|---------------------------|-------|----------------------|-------------------------|------------|---------------|
|    | Operating Pressure    | Asset Category               |                           |       | year (quantity) 0 km | year (quantity)<br>0 km | Net change | (1–4)<br>N/A  |
| 9  | Intermediate Pressure | Main pipe                    | IP PE main pipe           | km    |                      |                         | -          | 4             |
| 10 | Intermediate Pressure | Main pipe                    | IP steel main pipe        | km    | 197 km               | 194 km                  | (3)        | N/A           |
| 11 | Intermediate Pressure | Main pipe                    | IP other main pipe        | km    | 0 km                 | 0 km                    | -          |               |
| 12 | Intermediate Pressure | Service pipe                 | IP PE service pipe        | km    | 0 km                 | 0 km                    | -          | N/A           |
| 13 | Intermediate Pressure | Service pipe                 | IP steel service pipe     | km    | 2 km                 | 2 km                    | (0)        | 3             |
| 14 | Intermediate Pressure | Service pipe                 | IP other service pipe     | km    | 0 km                 | 0 km                    | -          | N/A           |
| 15 | Intermediate Pressure | Stations                     | Intermediate pressure DRS | No.   | 112                  | 112                     | -          | 4             |
| 16 | Intermediate Pressure | Line valve                   | IP line valves            | No.   | 225                  | 227                     | 2          | 3             |
| 17 | Intermediate Pressure | Special crossings            | IP crossings              | No.   | 25                   | 25                      | -          | 3             |
| 18 | Medium Pressure       | Main pipe                    | MP PE main pipe           | km    | 2,930 km             | 2,974 km                | 44         | 4             |
| 19 | Medium Pressure       | Main pipe                    | MP steel main pipe        | km    | 152 km               | 152 km                  | (0)        | 4             |
| 20 | Medium Pressure       | Main pipe                    | MP other main pipe        | km    | 0 km                 | 0 km                    | -          | 4             |
| 21 | Medium Pressure       | Service pipe                 | MP PE service pipe        | km    | 1,317 km             | 1,338 km                | 21         | 3             |
| 22 | Medium Pressure       | Service pipe                 | MP steel service pipe     | km    | 17 km                | 17 km                   | (0)        | 3             |
| 23 | Medium Pressure       | Service pipe                 | MP other service pipe     | km    | 1 km                 | 1 km                    | -          | 3             |
| 24 | Medium Pressure       | Stations                     | Medium pressure DRS       | No.   | 18                   | 25                      | 7          | 4             |
| 25 | Medium Pressure       | Line valve                   | MP line valves            | No.   | 1,054                | 1,085                   | 31         | 3             |
| 26 | Medium Pressure       | Special crossings            | MP special crossings      | No.   | 45                   | 46                      | 1          | 3             |
| 27 | Low Pressure          | Main pipe                    | LP PE main pipe           | km    | 41 km                | 41 km                   | (0)        | 3             |
| 28 | Low Pressure          | Main pipe                    | LP steel main pipe        | km    | 20 km                | 8 km                    | (11)       | 3             |
| 29 | Low Pressure          | Main pipe                    | LP other main pipe        | km    | 0 km                 | 0 km                    | -          | 3             |
| 30 | Low Pressure          | Service pipe                 | LP PE service pipe        | km    | 39 km                | 36 km                   | (2)        | 3             |
| 31 | Low Pressure          | Service pipe                 | LP steel service pipe     | km    | 5 km                 | 2 km                    | (3)        | 3             |
| 32 | Low Pressure          | Service pipe                 | LP other service pipe     | km    | 0 km                 | 0 km                    | (0)        | 3             |
| 33 | Low Pressure          | Line valve                   | LP line valves            | No.   | 13                   | 12                      | (1)        | 3             |
| 34 | Low Pressure          | Special crossings            | LP special crossings      | No.   | 0                    | 0                       | -          | 3             |
| 35 | All                   | Monitoring & control systems | Remote terminal units     | No.   | 0                    | 1                       | 1          | 4             |
| 36 | All                   | Cathodic protection systems  | Cathodic protection       | No.   | 38                   | 38                      | -          | 3             |
|    |                       | 7,70                         |                           |       |                      |                         |            |               |

| Company Name               | Vector - gas distribution business |
|----------------------------|------------------------------------|
| For Year Ended             | 30 June 2013                       |
| Network / Sub-network Name | Auckland                           |

# **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 | Items at end of |            | Data accuracy |
|----|-----------------------|------------------------------|---------------------------|-------|-------------------|-----------------|------------|---------------|
| 8  | Operating Pressure    | Asset Category               | Asset Class               | Units | year (quantity)   | year (quantity) | Net change | (1–4)         |
| 9  | Intermediate Pressure | Main pipe                    | IP PE main pipe           | km    | 0 km              | 0 km            | -          | N/A           |
| 10 | Intermediate Pressure | Main pipe                    | IP steel main pipe        | km    | 209 km            | 209 km          | 0          | 4             |
| 11 | Intermediate Pressure | Main pipe                    | IP other main pipe        | km    | 0 km              | 0 km            | -          | N/A           |
| 12 | Intermediate Pressure | Service pipe                 | IP PE service pipe        | km    | 0 km              | 0 km            | -          | N/A           |
| 13 | Intermediate Pressure | Service pipe                 | IP steel service pipe     | km    | 7 km              | 6 km            | (0)        | 3             |
| 14 | Intermediate Pressure | Service pipe                 | IP other service pipe     | km    | 0 km              | 0 km            | -          | N/A           |
| 15 | Intermediate Pressure | Stations                     | Intermediate pressure DRS | No.   | 94                | 94              | -          | 4             |
| 16 | Intermediate Pressure | Line valve                   | IP line valves            | No.   | 648               | 665             | 17         | 3             |
| 17 | Intermediate Pressure | Special crossings            | IP crossings              | No.   | 19                | 19              | -          | 3             |
| 18 | Medium Pressure       | Main pipe                    | MP PE main pipe           | km    | 3,204 km          | 3,267 km        | 63         | 4             |
| 19 | Medium Pressure       | Main pipe                    | MP steel main pipe        | km    | 215 km            | 214 km          | (1)        | 4             |
| 20 | Medium Pressure       | Main pipe                    | MP other main pipe        | km    | 2 km              | 2 km            | (0)        | 4             |
| 21 | Medium Pressure       | Service pipe                 | MP PE service pipe        | km    | 1,889 km          | 1,937 km        | 48         | 3             |
| 22 | Medium Pressure       | Service pipe                 | MP steel service pipe     | km    | 30 km             | 29 km           | (0)        | 3             |
| 23 | Medium Pressure       | Service pipe                 | MP other service pipe     | km    | 4 km              | 4 km            | (0)        | 3             |
| 24 | Medium Pressure       | Stations                     | Medium pressure DRS       | No.   | 257               | 259             | 2          | 4             |
| 25 | Medium Pressure       | Line valve                   | MP line valves            | No.   | 2,718             | 2,773           | 55         | 3             |
| 26 | Medium Pressure       | Special crossings            | MP special crossings      | No.   | 54                | 56              | 2          | 3             |
| 27 | Low Pressure          | Main pipe                    | LP PE main pipe           | km    | 6 km              | 5 km            | (1)        | 3             |
| 28 | Low Pressure          | Main pipe                    | LP steel main pipe        | km    | 3 km              | 3 km            | (0)        | 3             |
| 29 | Low Pressure          | Main pipe                    | LP other main pipe        | km    | 39 km             | 19 km           | (21)       | 3             |
| 30 | Low Pressure          | Service pipe                 | LP PE service pipe        | km    | 25 km             | 13 km           | (12)       | 3             |
| 31 | Low Pressure          | Service pipe                 | LP steel service pipe     | km    | 8 km              | 5 km            | (4)        | 3             |
| 32 | Low Pressure          | Service pipe                 | LP other service pipe     | km    | 0 km              | 0 km            | (0)        | 3             |
| 33 | Low Pressure          | Line valve                   | LP line valves            | No.   | 28                | 22              | (6)        | 3             |
| 34 | Low Pressure          | Special crossings            | LP special crossings      | No.   | 1                 | 1               | _          | 3             |
| 35 | All                   | Monitoring & control systems | Remote terminal units     | No.   | 65                | 65              | _          | 4             |
| 36 | All                   | Cathodic protection systems  | Cathodic protection       | No.   | 15                | 15              | -          | 3             |
|    |                       |                              |                           |       |                   |                 |            |               |

Company Name
For Year Ended
Network / Sub-network Name
Vector - gas distribution business
30 June 2013
Combined

# 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.

| S | ch ref |                       |                              |                           |     |          |        |        |        |        |          |          |          |              |            |          |             |           |        |        |        |       |       |       |       |        |
|---|--------|-----------------------|------------------------------|---------------------------|-----|----------|--------|--------|--------|--------|----------|----------|----------|--------------|------------|----------|-------------|-----------|--------|--------|--------|-------|-------|-------|-------|--------|
|   | 8      |                       | Disclosure Year (year ended) | 30 June 2013              |     |          |        |        |        |        |          |          | Number o | of assets at | disclosure | year end | by installa | tion date |        |        |        |       |       |       |       |        |
|   |        |                       |                              |                           |     |          |        |        |        |        |          |          |          |              |            |          |             |           |        |        |        |       |       |       |       |        |
|   |        |                       |                              |                           |     |          | 1970   | 1975   | 1980   | 1985-  | 1990     | 1995     |          |              |            |          |             |           |        |        |        |       |       |       |       |        |
|   | 9      | Operating Pressure    | Asset Category               |                           |     | pre-1970 | -1974  | -1979  | -1984  | 1989   | -1994    | -1999    | 2000     | 2001         | 2002       | 2003     | 2004        | 2005      | 2006   | 2007   | 2008   | 2009  | 2010  | 2011  | 2012  | 2013   |
|   | 10     | Intermediate Pressure | Main pipe                    | IP PE main pipe           | km  |          |        |        |        |        |          |          |          |              |            |          |             |           |        |        |        |       |       |       |       |        |
|   | 11     | Intermediate Pressure | Main pipe                    | IP steel main pipe        | km  | 48 km    | 31 km  | 5 km   | 95 km  | 122 km | 22 km    | 49 km    | 25 km    | 0 km         | 1 km       | 0 km     | 0 km        | 1 km      | 1 km   | 1 km   | 0 km   | 0 km  | 1 km  | 0 km  | 1 km  | 0 km   |
|   | 12     | Intermediate Pressure | Main pipe                    | IP other main pipe        | km  |          |        |        |        |        |          |          |          |              |            |          |             |           |        |        |        |       |       |       |       |        |
|   | 13     | Intermediate Pressure | Service pipe                 | IP PE service pipe        | km  |          |        |        |        |        |          |          |          |              |            |          |             |           |        |        |        |       |       |       |       |        |
|   | 14     | Intermediate Pressure | Service pipe                 | IP steel service pipe     | km  | 0 km     | 0 km   | 0 km   | 1 km   | 2 km   | 2 km     | 2 km     | 0 km     | 0 km         | 0 km       | 0 km     | 0 km        | 0 km      | 0 km   | 0 km   | 0 km   | 0 km  | 0 km  | 0 km  | 0 km  | 0 km   |
|   | 15     | Intermediate Pressure | Service pipe                 | IP other service pipe     | km  |          |        |        |        |        |          |          |          |              |            |          |             |           |        |        |        |       |       |       |       |        |
|   | 16     | Intermediate Pressure | Stations                     | Intermediate pressure DRS | No. | 12       | 6      | 9      | 53     | 53     | 21       | 16       | 4        | 2            | 5          | 2        | 1           |           | 2      | 3      | 3      | 2     | 1     | 4     | 2     |        |
|   | 17     | Intermediate Pressure | Line valve                   | IP line valves            | No. | 62       | 55     | 22     | 115    | 265    | 125      | 73       | 18       | 10           | 5          | 7        | 7           | 14        | 8      | 10     | 11     | 5     | 8     | 11    | 20    | 10     |
|   | 18     | Intermediate Pressure | Special crossings            | IP crossings              | No. | 4        | 1      | 1      | 11     | 15     | 1        | 6        | 1        |              |            |          |             | 1         |        | 1      |        |       | 1     |       | 1     |        |
|   | 19     | Medium Pressure       | Main pipe                    | MP PE main pipe           | km  | 14 km    | 25 km  | 173 km | 248 km | 890 km | 1,048 km | 1,912 km | 246 km   | 148 km       | 124 km     | 192 km   | 175 km      | 190 km    | 176 km | 160 km | 132 km | 72 km | 63 km | 71 km | 76 km | 103 km |
|   | 20     | Medium Pressure       | Main pipe                    | MP steel main pipe        | km  | 19 km    | 117 km | 44 km  | 92 km  | 80 km  | 5 km     | 5 km     | 0 km     | 0 km         | 0 km       | 0 km     | 0 km        | 0 km      | 0 km   | 0 km   | 0 km   | 0 km  | 0 km  | 0 km  | 0 km  | 0 km   |
|   | 21     | Medium Pressure       | Main pipe                    | MP other main pipe        | km  | 1 km     | 0 km   | 0 km   | 0 km   | 0 km   | 0 km     | 0 km     | 0 km     | 0 km         | 0 km       | 0 km     |             | 0 km      |        |        | 0 km   |       |       |       |       |        |
|   | 22     | Medium Pressure       | Service pipe                 | MP PE service pipe        | km  | 4 km     | 22 km  | 99 km  | 74 km  | 236 km | 552 km   | 913 km   | 148 km   | 99 km        | 96 km      | 123 km   | 138 km      | 116 km    | 119 km | 109 km | 91 km  | 55 km | 62 km | 81 km | 68 km | 69 km  |
|   | 23     | Medium Pressure       | Service pipe                 | MP steel service pipe     | km  | 2 km     | 15 km  | 3 km   | 8 km   | 8 km   | 4 km     | 5 km     | 0 km     | 0 km         | 0 km       | 0 km     | 0 km        | 0 km      | 0 km   | 0 km   | 0 km   | 0 km  | 0 km  | 0 km  | 0 km  | 0 km   |
|   | 24     | Medium Pressure       | Service pipe                 | MP other service pipe     | km  | 0 km     | 1 km   | 0 km   | 0 km   | 3 km   | 0 km     | 0 km     |          | 0 km         |            | 0 km     | 0 km        |           |        |        |        |       |       | 0 km  |       | 0 km   |
|   | 25     | Medium Pressure       | Stations                     | Medium pressure DRS       | No. | 2        | 7      | 5      | 16     | 78     | 94       | 27       | 1        | 1            | 15         | 8        | 2           | 1         | 5      | 3      | 1      | 2     | 2     | 1     | 7     | 4      |
|   | 26     | Medium Pressure       | Line valve                   | MP line valves            | No. | 57       | 291    | 244    | 933    | 830    | 479      | 300      | 50       | 44           | 41         | 33       | 39          | 63        | 42     | 39     | 38     | 46    | 27    | 49    | 59    | 64     |
|   | 27     | Medium Pressure       | Special crossings            | MP special crossings      | No. |          | 2      | 2      | 17     | 30     | 15       | 15       | 5        | 1            |            |          | 2           |           | 3      | 2      | 1      |       | 3     | 1     |       | 3      |
|   | 28     | Low Pressure          | Main pipe                    | LP PE main pipe           | km  | 0 km     | 2 km   | 21 km  | 2 km   | 4 km   | 4 km     | 3 km     | 1 km     | 0 km         | 0 km       | 1 km     | 0 km        | 0 km      | 0 km   | 0 km   | 0 km   | 0 km  | 1 km  | 0 km  | 0 km  | 4 km   |
|   | 29     | Low Pressure          | Main pipe                    | LP steel main pipe        | km  | 3 km     | 7 km   | 1 km   | 0 km   | 0 km   | 0 km     | 0 km     | 0 km     |              | 0 km       |          |             |           |        |        |        |       |       |       | 0 km  |        |
|   | 30     | Low Pressure          | Main pipe                    | LP other main pipe        | km  | 17 km    | 0 km   |        | 0 km   |        |          | 0 km     |          |              |            |          |             | 1 km      |        |        |        | 0 km  |       |       | 0 km  |        |
|   | 31     | Low Pressure          | Service pipe                 | LP PE service pipe        | km  | 0 km     | 2 km   | 9 km   | 5 km   | 6 km   | 6 km     | 8 km     | 1 km     | 1 km         | 1 km       | 1 km     | 1 km        | 1 km      | 1 km   | 1 km   | 1 km   | 0 km  | 0 km  | 1 km  | 1 km  | 2 km   |
|   | 32     | Low Pressure          | Service pipe                 | LP steel service pipe     | km  | 1 km     | 3 km   | 0 km   | 1 km   | 1 km   | 0 km     | 0 km     |          |              |            | 0 km     |             | 0 km      |        |        |        | 0 km  |       |       |       |        |
| J | 33     | Low Pressure          | Service pipe                 | LP other service pipe     | km  | 0 km     |        | 0 km   |        |        | 0 km     |          | 0 km     |              |            |          |             |           |        |        |        |       |       |       |       |        |
| J | 34     | Low Pressure          | Line valve                   | LP line valves            | No. |          | 1      | 4      | 5      | 4      | 3        | 2        |          |              |            |          |             |           |        |        |        |       |       | 2     |       | 5      |
| J | 35     | Low Pressure          | Special crossings            | LP special crossings      | No. |          |        |        |        |        |          |          |          |              |            |          |             |           |        |        |        |       |       | 1     |       |        |
|   | 36     | All                   | Monitoring & control systems | Remote terminal units     | No. |          |        |        |        |        |          | 32       | 1        | 1            | 1          |          |             | 4         | 1      | 19     | 3      | 2     |       | 1     |       | 1      |
|   | 37     | All                   | Cathodic protection systems  | Cathodic protection       | No. | 1        | 2      | 2      | 10     | 21     | 8        |          | 3        | 2            |            |          | 1           |           |        |        |        | 1     |       |       | 1     | 1      |

|              | Total     |               |       |
|--------------|-----------|---------------|-------|
| No. with age | assets at | No. with      |       |
| unknown      | year end  | default dates | (1–4) |
|              | -         |               | N/A   |
| 0 km         | 404       |               | 3     |
|              | -         |               | N/A   |
|              | -         |               | N/A   |
| 0 km         | 8         |               | 3     |
|              | -         |               | N/A   |
| 5            | 206       |               | 2     |
| 31           | 892       |               | 2     |
|              | 44        |               | 3     |
| 3 km         | 6,241     |               | 3     |
| 0 km         | 366       |               | 3     |
| 0 km         | 2         |               | 3     |
| 1 km         | 3,275     |               | 3     |
| 0 km         | 46        |               | 3     |
|              | 5         |               | 3     |
| 2            | 284       |               | 3     |
| 90           | 3,858     |               | 2     |
|              | 102       |               | 3     |
|              | 46        |               | 3     |
| 0 km         | 11        |               | 3     |
| 1 km         | 19        |               | 2     |
| 0 km         | 49        |               | 3     |
| 0 km         | 7         |               | 3     |
|              | 0         |               | 3     |
| 8            | 34        |               | 2     |
|              | 1         |               | 4     |
|              | 66        |               | 4     |
|              | 53        |               | 3     |
|              | 33        |               |       |

Company Name
For Year Ended
Network / Sub-network Name
Vector - gas distribution business
30 June 2013
North Island

# 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.

| ch ref |                       |                              |                           | 1     |          |       |        |        |        |        |        |          |             |            |            |             |           |       |       |       |       |       |       |       |       |
|--------|-----------------------|------------------------------|---------------------------|-------|----------|-------|--------|--------|--------|--------|--------|----------|-------------|------------|------------|-------------|-----------|-------|-------|-------|-------|-------|-------|-------|-------|
| 8      |                       | Disclosure Year (year ended) | 30 June 2013              |       |          |       |        |        |        |        |        | Number o | f assets at | disclosure | e year end | by installa | tion date |       |       |       |       |       |       |       |       |
|        |                       |                              |                           |       |          | 1970  | 1975   | 1980   | 1985-  | 1990   | 1995   |          |             |            |            |             |           |       |       |       |       |       |       |       |       |
| 9      | Operating Pressure    | Asset Category               | Asset Class               | Units | pre-1970 |       | -1979  | -1984  | 1989   | -1994  | -1999  | 2000     | 2001        | 2002       | 2003       | 2004        | 2005      | 2006  | 2007  | 2008  | 2009  | 2010  | 2011  | 2012  | 2013  |
| 10     | Intermediate Pressure | Main pipe                    | IP PE main pipe           | km    |          |       |        |        |        |        |        |          |             |            |            |             |           |       |       |       |       |       |       |       |       |
| 11     | Intermediate Pressure | Main pipe                    | IP steel main pipe        | km    | 1 km     | 16 km | 1 km   | 79 km  | 70 km  | 10 km  | 15 km  | 0 km     | 0 km        | 0 km       | 0 km       | 0 km        | 1 km      | 0 km  | 0 km  | 0 km  | 0 km  | 0 km  | 0 km  | 1 km  | 0 km  |
| 12     | Intermediate Pressure | Main pipe                    | IP other main pipe        | km    |          |       |        |        |        |        |        |          |             |            |            |             |           |       |       |       |       |       |       |       |       |
| 13     | Intermediate Pressure | Service pipe                 | IP PE service pipe        | km    |          |       |        |        |        |        |        |          |             |            |            |             |           |       |       |       |       |       |       |       |       |
| 14     | Intermediate Pressure | Service pipe                 | IP steel service pipe     | km    | 0 km     | 0 km  | 0 km   | 1 km   | 1 km   | 0 km   | 0 km   | 0 km     | 0 km        | 0 km       | 0 km       | 0 km        | 0 km      | 0 km  | 0 km  | 0 km  | 0 km  | 0 km  | 0 km  | 0 km  | 0 km  |
| 15     | Intermediate Pressure | Service pipe                 | IP other service pipe     | km    |          |       |        |        |        |        |        |          |             |            |            |             |           |       |       |       |       |       |       |       |       |
| 16     | Intermediate Pressure | Stations                     | Intermediate pressure DRS | No.   | 1        | 1     | 1      | 35     | 43     | 10     | 2      |          | 1           | 2          | 4          | 1           | 2         |       |       |       |       | 1     | 3     |       |       |
| 17     | Intermediate Pressure | Line valve                   | IP line valves            | No.   |          | 13    | 4      | 49     | 76     | 21     | 10     | 3        | 2           | 1          | 1          | 6           | 8         | 2     | 6     | 4     | 1     | 1     | 5     | 11    | 3     |
| 18     | Intermediate Pressure | Special crossings            | IP crossings              | No.   |          | 1     | 1      | 10     | 8      | 1      | 3      |          |             |            |            |             | 1         |       |       |       |       |       |       |       |       |
| 19     | Medium Pressure       | Main pipe                    | MP PE main pipe           | km    | 0 km     | 22 km | 152 km | 187 km | 714 km | 539 km | 525 km | 98 km    | 62 km       | 68 km      | 73 km      | 92 km       | 96 km     | 59 km | 68 km | 75 km | 36 km | 23 km | 17 km | 25 km | 42 km |
| 0      | Medium Pressure       | Main pipe                    | MP steel main pipe        | km    | 8 km     | 93 km | 30 km  | 16 km  | 5 km   | 0 km   | 0 km   | 0 km     | 0 km        | 0 km       |            | 0 km        | 0 km      | 0 km  | 0 km  | 0 km  | 0 km  | 0 km  | 0 km  | 0 km  | 0 km  |
| 1      | Medium Pressure       | Main pipe                    | MP other main pipe        | km    |          |       |        |        |        |        |        |          |             |            |            |             |           |       |       | 0 km  |       |       |       |       |       |
| 2      | Medium Pressure       | Service pipe                 | MP PE service pipe        | km    | 0 km     | 21 km | 97 km  | 68 km  | 174 km | 223 km | 255 km | 64 km    | 47 km       | 42 km      | 48 km      | 48 km       | 41 km     | 42 km | 38 km | 33 km | 20 km | 20 km | 20 km | 17 km | 20 km |
| 3      | Medium Pressure       | Service pipe                 | MP steel service pipe     | km    | 0 km     | 14 km | 1 km   | 1 km   | 0 km   | 0 km   | 0 km   |          |             |            | 0 km       | 0 km        |           | 0 km  |
| 4      | Medium Pressure       | Service pipe                 | MP other service pipe     | km    |          | 1 km  | 0 km   |        |        | 0 km   |        |          | 0 km        |            |            |             |           |       |       |       |       |       | 0 km  |       |       |
| 25     | Medium Pressure       | Stations                     | Medium pressure DRS       | No.   |          | 4     | 1      | 2      | 2      | 1      | 2      |          |             |            |            | 1           | 1         |       |       |       |       | 2     |       | 6     | 3     |
| 26     | Medium Pressure       | Line valve                   | MP line valves            | No.   | 11       | 195   | 124    | 262    | 149    | 51     | 56     | 10       | 8           | 27         | 12         | 17          | 25        | 2     | 13    | 11    | 15    | 14    | 15    | 32    | 25    |
| ?7     | Medium Pressure       | Special crossings            | MP special crossings      | No.   |          | 1     |        | 9      | 18     | 7      | 5      | 1        | 1           |            |            | 2           |           |       | 1     |       |       |       |       |       | 1     |
| 28     | Low Pressure          | Main pipe                    | LP PE main pipe           | km    |          | 2 km  | 21 km  | 2 km   | 3 km   | 4 km   | 2 km   | 0 km     | 0 km        | 0 km       | 0 km       | 0 km        | 0 km      | 0 km  | 0 km  | 0 km  | 0 km  | 0 km  | 0 km  | 0 km  | 4 km  |
| 9      | Low Pressure          | Main pipe                    | LP steel main pipe        | km    | 1 km     | 7 km  | 1 km   | 0 km   |        | 0 km   |        |          |             |            |            |             |           |       |       |       |       |       |       |       |       |
| 30     | Low Pressure          | Main pipe                    | LP other main pipe        | km    |          | 0 km  |        |        |        |        |        |          |             |            |            |             |           |       |       |       |       |       |       |       |       |
| 31     | Low Pressure          | Service pipe                 | LP PE service pipe        | km    | 0 km     | 2 km  | 9 km   | 5 km   | 4 km   | 4 km   | 4 km   | 0 km     | 1 km        | 0 km       | 0 km       | 0 km        | 0 km      | 0 km  | 1 km  | 1 km  | 0 km  | 0 km  | 0 km  | 1 km  | 2 km  |
| 32     | Low Pressure          | Service pipe                 | LP steel service pipe     | km    | 0 km     | 2 km  | 0 km   | 0 km   | 0 km   | 0 km   |        |          |             |            |            |             |           |       |       |       |       |       |       |       |       |
| 3      | Low Pressure          | Service pipe                 | LP other service pipe     | km    |          |       |        |        |        |        |        |          |             |            |            |             |           |       |       |       |       |       |       |       |       |
| 4      | Low Pressure          | Line valve                   | LP line valves            | No.   |          | 1     |        | 2      |        | 1      |        |          |             |            |            |             |           |       |       |       |       |       |       |       | 5     |
| 35     | Low Pressure          | Special crossings            | LP special crossings      | No.   |          |       |        |        |        |        |        |          |             |            |            |             |           |       |       |       |       |       |       |       |       |
| 36     | All                   | Monitoring & control systems | Remote terminal units     | No.   |          |       |        |        |        |        |        |          |             |            |            |             |           |       |       |       |       |       |       |       | 1     |
| 37     | All                   | Cathodic protection systems  | Cathodic protection       | No.   |          | 1     |        | 6      | 18     | 8      |        | 1        | 1           |            |            |             |           |       |       |       | 1     |       |       | 1     | 1     |

| No. with age | assets at | No. with      | Data accuracy |
|--------------|-----------|---------------|---------------|
| unknown      | year end  | default dates | (1–4)         |
|              | -         |               | N/A           |
| 0 km         | 194       |               | 3             |
|              | -         |               | N/A           |
|              | 1         |               | N/A           |
| 0 km         | 2         |               | 3             |
|              | -         |               | N/A           |
| 5            | 112       |               | 2             |
|              | 227       |               | 2             |
|              | 25        |               | 3             |
| 1 km         | 2,974     |               | 3             |
|              | 152       |               | 3             |
|              | 0         |               | 3             |
| 0 km         | 1,338     |               | 3             |
|              | 17        |               | 3             |
|              | 1         |               | 3             |
|              | 25        |               | 3             |
| 11           | 1,085     |               | 2             |
|              | 46        |               | 3             |
|              | 41        |               | 3             |
| 0 km         | 8         |               | 3             |
|              | 0         |               | 2             |
| 0 km         | 36        |               | 3             |
|              | 2         |               | 3             |
|              | -         |               | N/A           |
| 3            | 12        |               | 2             |
|              | -         |               | N/A           |
|              | 1         |               | 4             |

Total

Company Name
For Year Ended
Network / Sub-network Name
Vector - gas distribution business
30 June 2013
Auckland

# SCHEDULE 9b: ASSET AGE PROFILE

This schedule requires a summary of the age profile (based on year of installation) of the assets that make up the network, by asset category and asset class.

| sch re | ef<br>                | Disclosure Year (year ended) | 30 June 2013              | ]     |          |       |       |       |        |        |          | Number o | of assets at | disclosure | e year end | by installa | tion date |        |       |       |       |       |       |       |       |
|--------|-----------------------|------------------------------|---------------------------|-------|----------|-------|-------|-------|--------|--------|----------|----------|--------------|------------|------------|-------------|-----------|--------|-------|-------|-------|-------|-------|-------|-------|
|        |                       |                              |                           |       |          | 1970  | 1975  | 1980  | 1985-  | 1990   | 1995     |          |              |            |            |             |           |        |       |       |       |       |       |       |       |
| 9      | Operating Pressure    | Asset Category               | Asset Class               | Units | pre-1970 | -1974 | -1979 | -1984 | 1989   | -1994  | -1999    | 2000     | 2001         | 2002       | 2003       | 2004        | 2005      | 2006   | 2007  | 2008  | 2009  | 2010  | 2011  | 2012  | 2013  |
| 10     | Intermediate Pressure | Main pipe                    | IP PE main pipe           | km    |          |       |       |       |        |        |          |          |              |            |            |             |           |        |       |       |       |       |       |       |       |
| 11     | Intermediate Pressure | Main pipe                    | IP steel main pipe        | km    | 47 km    | 14 km | 4 km  | 16 km | 52 km  | 13 km  | 35 km    | 25 km    | 0 km         | 1 km       | 0 km       |             | 0 km      | 1 km   | 1 km  | 0 km  | 0 km  | 0 km  | 0 km  | 1 km  | 0 km  |
| 12     | Intermediate Pressure | Main pipe                    | IP other main pipe        | km    |          |       |       |       |        |        |          |          |              |            |            |             |           |        |       |       |       |       |       |       |       |
| 13     | Intermediate Pressure | Service pipe                 | IP PE service pipe        | km    |          |       |       |       |        |        |          |          |              |            |            |             |           |        |       |       |       |       |       |       |       |
| 14     | Intermediate Pressure | Service pipe                 | IP steel service pipe     | km    | 0 km     | 0 km  | 0 km  | 0 km  | 2 km   | 2 km   | 2 km     | 0 km     | 0 km         | 0 km       | 0 km       | 0 km        | 0 km      | 0 km   | 0 km  | 0 km  | 0 km  | 0 km  | 0 km  | 0 km  | 0 km  |
| 15     | Intermediate Pressure | Service pipe                 | IP other service pipe     | km    |          |       |       |       |        |        |          |          |              |            |            |             |           |        |       |       |       |       |       |       |       |
| 16     | Intermediate Pressure | Stations                     | Intermediate pressure DRS | No.   | 11       | 5     | 8     | 18    |        | 11     | 14       |          | 3            |            | 1          | 1           | 2         | 3      | 3     |       | 1     | 2     |       | 1     |       |
| 17     | Intermediate Pressure | Line valve                   | IP line valves            | No.   | 62       | 42    | 18    | 66    | 189    | 104    | 63       | 15       | 8            | 4          | 6          | 1           | 6         | 6      | 4     | 7     | 4     | 7     | 6     | 9     | 7     |
| 18     | Intermediate Pressure | Special crossings            | IP crossings              | No.   | 4        |       |       | 1     | 7      |        | 3        | 1        |              |            |            |             |           |        | 1     |       |       | 1     |       | 1     |       |
| 19     | Medium Pressure       | Main pipe                    | MP PE main pipe           | km    | 14 km    | 3 km  | 20 km | 61 km | 176 km |        | 1,387 km | 148 km   | 87 km        | 56 km      | 119 km     | 83 km       | 94 km     | 117 km | 91 km | 57 km | 35 km | 40 km | 55 km | 50 km | 61 km |
| 20     | Medium Pressure       | Main pipe                    | MP steel main pipe        | km    | 11 km    | 24 km | 15 km | 76 km | 75 km  | 5 km   | 5 km     | 0 km     | 0 km         | 0 km       | 0 km       | 0 km        | 0 km      | 0 km   | 0 km  | 0 km  | 0 km  | 0 km  | 0 km  | 0 km  | 0 km  |
| 21     | Medium Pressure       | Main pipe                    | MP other main pipe        | km    | 1 km     | 0 km  | 0 km  | 0 km  | 0 km   | 0 km   | 0 km     | 0 km     | 0 km         | 0 km       | 0 km       |             | 0 km      |        |       |       |       |       |       |       |       |
| 22     | Medium Pressure       | Service pipe                 | MP PE service pipe        | km    | 4 km     | 1 km  | 2 km  | 6 km  | 62 km  | 328 km | 659 km   | 84 km    | 52 km        | 55 km      | 75 km      | 90 km       |           | 76 km  | 71 km | 58 km | 35 km | 42 km | 61 km | 50 km | 49 km |
| 23     | Medium Pressure       | Service pipe                 | MP steel service pipe     | km    | 2 km     | 1 km  | 2 km  | 7 km  | 7 km   | 4 km   | 5 km     | 0 km     | 0 km         | 0 km       | 0 km       | 0 km        | 0 km      | 0 km   | 0 km  | 0 km  | 0 km  | 0 km  | 0 km  | 0 km  | 0 km  |
| 24     | Medium Pressure       | Service pipe                 | MP other service pipe     | km    | 0 km     | 0 km  | 0 km  | 0 km  | 3 km   | 0 km   | 0 km     |          |              |            | 0 km       | 0 km        |           |        |       |       |       |       |       |       | 0 km  |
| 25     | Medium Pressure       | Stations                     | Medium pressure DRS       | No.   | 2        | 3     | 4     | 14    | 76     | 93     | 25       |          | 1            | 1          | 15         | 7           | 5         | 3      | 1     | 1     | 1     | 1     | 1     | 2     | 1     |
| 26     | Medium Pressure       | Line valve                   | MP line valves            | No.   | 46       | 96    | 120   | 671   | 681    | 428    | 244      | 40       | 36           | 14         | 21         | 22          | 38        | 40     | 26    | 27    | 31    | 13    | 34    | 27    | 39    |
| 27     | Medium Pressure       | Special crossings            | MP special crossings      | No.   |          | 1     | 2     | 8     | 12     | 8      | 10       | 4        |              |            |            |             |           | 3      | 1     | 1     |       | 3     | 1     |       | 2     |
| 28     | Low Pressure          | Main pipe                    | LP PE main pipe           | km    | 0 km     | 0 km  |       | 0 km  | 0 km   | 1 km   | 1 km     | 0 km     | 0 km         | 0 km       | 1 km       | 0 km        | 0 km      | 0 km   | 0 km  | 0 km  | 0 km  | 1 km  | 0 km  | 0 km  | 0 km  |
| 29     | Low Pressure          | Main pipe                    | LP steel main pipe        | km    | 2 km     | 0 km  |       | 0 km  | 0 km   | 0 km   | 0 km     | 0 km     |              | 0 km       |            |             |           |        |       |       |       |       |       | 0 km  |       |
| 30     | Low Pressure          | Main pipe                    | LP other main pipe        | km    | 17 km    | 0 km  |       | 0 km  |        |        | 0 km     |          |              |            |            |             | 1 km      |        |       |       | 0 km  |       |       | 0 km  |       |
| 31     | Low Pressure          | Service pipe                 | LP PE service pipe        | km    | 0 km     | 0 km  | 0 km  | 0 km  | 2 km   | 2 km   | 4 km     | 0 km     | 0 km         | 0 km       | 0 km       | 0 km        | 0 km      | 0 km   | 0 km  | 0 km  | 0 km  | 0 km  | 0 km  | 0 km  | 0 km  |
| 32     | Low Pressure          | Service pipe                 | LP steel service pipe     | km    | 1 km     | 0 km  | 0 km  | 1 km  | 1 km   | 0 km   | 0 km     |          |              |            | 0 km       |             | 0 km      |        |       |       | 0 km  |       |       |       |       |
| 33     | Low Pressure          | Service pipe                 | LP other service pipe     | km    | 0 km     |       | 0 km  |       |        | 0 km   |          | 0 km     |              |            |            |             |           |        |       |       |       |       |       |       |       |
| 34     | Low Pressure          | Line valve                   | LP line valves            | No.   |          |       | 4     | 3     | 4      | 2      | 2        |          |              |            |            |             |           |        |       |       |       |       | 2     |       |       |
| 35     | Low Pressure          | Special crossings            | LP special crossings      | No.   |          |       |       |       |        |        |          |          |              |            |            |             |           |        |       |       |       |       | 1     |       |       |
| 36     | All                   | Monitoring & control systems | Remote terminal units     | No.   |          |       |       |       |        |        | 32       | 1        | 1            | 1          |            |             | 4         | 1      | 19    | 3     | 2     |       | 1     |       |       |
| 37     | All                   | Cathodic protection systems  | Cathodic protection       | No.   | 1        | 1     | 2     | 4     | 3      |        |          | 2        | 1            |            |            | 1           |           |        |       |       | ]     |       |       |       |       |

| No. with age unknown | Total<br>assets at<br>year end | No. with default dates | Data accuracy |
|----------------------|--------------------------------|------------------------|---------------|
|                      | 1                              |                        | N/A           |
|                      | 209                            |                        | 3             |
|                      | -                              |                        | N/A           |
|                      | -                              |                        | N/A           |
|                      | 6                              |                        | 3             |
|                      | -                              |                        | N/A           |
|                      | 94                             |                        | 2             |
| 31                   | 665                            |                        | 2             |
|                      | 19                             |                        | 3             |
| 2 km                 | 3,267                          |                        | 3             |
| 0 km                 | 214                            |                        | 3             |
| 0 km                 | 2                              |                        | 3             |
| 1 km                 | 1,937                          |                        | 3             |
| 0 km                 | 29                             |                        | 3             |
|                      | 4                              |                        | 3             |
| 2                    | 259                            |                        | 3             |
| 79                   | 2,773                          |                        | 2             |
|                      | 56                             |                        | 3             |
|                      | 5                              |                        | 3             |
| 0 km                 | 3                              |                        | 3             |
| 1 km                 | 19                             |                        | 2             |
|                      | 13                             |                        | 3             |
| 0 km                 | 5                              |                        | 3             |
|                      | 0                              |                        | 3             |
| 5                    | 22                             |                        | 2             |
|                      | 1                              |                        | 4             |
|                      | 65                             |                        | 4             |
|                      | 15                             |                        | 3             |

|        |   | _                                 |   |                                 |  |
|--------|---|-----------------------------------|---|---------------------------------|--|
|        |   | Company Name                      | Vector - g                                | gas distribution                | business   |
|        |   | For Year Ended                    |   | <b>30 June 2013</b>             |  |
|        | Networ  | k / Sub-network Name              |   | Combined                        |  |
|        | SHEDULE 9c: REPORT ON PIPELINE DATA s schedule requires a summary of the key characteristics of the pipeline network. |                                   |   |                                 |  |
| 8<br>9 | Network Information (end of year)  Length of pipeline by material (defined by GDB)                                    | Length (km)                       | %   |                                 |  |
| 10     | STEEL   | 842                               | 8.0%                                      |                                 |  |
| 11     | PE  | 9,611                             | 91.7%                                     |                                 |  |
| 12     | OTHER   | 25                                | 0.2%                                      |                                 |  |
| 13     |   |                                   | -   |                                 |  |
| 14     |   |                                   | -   |                                 |  |
| 15     |   |                                   | -   |                                 |  |
| 16     | Total length of pipeline  | 10,479                            | 100.0%                                    |                                 |  |
| 17     | By operating pressure:  | Pipe length (km)<br>(at year end) | Weighted average<br>pipe diameter<br>(mm) | Number of ICPs<br>(at year end) | Gas conveyed for<br>Persons not<br>involved in the<br>GDB (TJ) |
| 19     | Intermediate pressure   | 412                               | 128.8                                     | 207                             | 5,412  |
| 20     | Medium pressure   | 9,935                             | 36.4                                      | 147,752                         | 10,002   |
| 21     | Low pressure  | 132                               | 49.0                                      | 8,993                           | 234  |
| 22     | Total   | 10,479                            | 40.2                                      | 156,952                         | 15,648   |

|       |  | Company Name     | Vector - g       | gas distribution    | business         |
|-------|--|------------------|------------------|---------------------|------------------|
|       |  | For Year Ended   |                  | <b>30 June 2013</b> |                  |
|       | Network / Sub  | -network Name    |                  | North Island        |                  |
| S     | CHEDULE 9c: REPORT ON PIPELINE DATA  | '                |                  |                     | _                |
|       | is schedule requires a summary of the key characteristics of the pipeline network. |                  |                  |                     |                  |
|       |  |                  |                  |                     |                  |
| sch i | ref  |                  |                  |                     |                  |
|       |  |                  |                  |                     |                  |
| 8     | Network Information (end of year)  |                  |                  |                     |                  |
| 9     | Length of pipeline by material (defined by GDB)                                    | Length (km)      | %                |                     |                  |
| 10    | STEEL  | 375              | 7.9%             |                     |                  |
| 11    | PE   | 4,389            | 92.1%            |                     |                  |
| 12    | OTHER  | 1                | 0.0%             |                     |                  |
| 13    |  |                  | -                |                     |                  |
| 14    |  |                  | -                |                     |                  |
| 15    |  |                  | -                |                     |                  |
| 16    | Total length of pipeline   | 4,766            | 100.0%           |                     |                  |
| 17    |  |                  |                  |                     |                  |
|       |  |                  |                  |                     | Gas conveyed for |
|       |  |                  | Weighted average |                     | Persons not      |
|       |  | Pipe length (km) | pipe diameter    | Number of ICPs      | involved in the  |
| 18    | By operating pressure:   | (at year end)    | (mm)             | (at year end)       | GDB (TJ)         |
| 19    | Intermediate pressure  | 196              | 85.7             | 37                  | 3,042            |
| 20    | Medium pressure  | 4,481            | 35.3             | 62,146              | 53               |
| 21    | Low pressure   | 88               | 38.3             | 1,926               | 3,149            |
| 22    | Total  | 4,766            | 37.4             | 64,109              | 6,244            |
|       |  |                  |                  |                     |                  |

|       |  | Company Name     | Vector - g       | gas distribution    | business         |
|-------|--|------------------|------------------|---------------------|------------------|
|       |  | For Year Ended   |                  | <b>30 June 2013</b> |                  |
|       | Network / Su   | b-network Name   |                  | Auckland            |                  |
| S     | CHEDULE 9c: REPORT ON PIPELINE DATA  |                  |                  |                     | <b>,</b>         |
|       | is schedule requires a summary of the key characteristics of the pipeline network. |                  |                  |                     |                  |
|       |  |                  |                  |                     |                  |
| sch i | ref<br>I   |                  |                  |                     |                  |
|       |  |                  |                  |                     |                  |
| 8     | Network Information (end of year)  |                  |                  |                     |                  |
| 9     | Length of pipeline by material (defined by GDB)                                    | Length (km)      | %                |                     |                  |
| 10    | STEEL  | 467              | 8.2%             |                     |                  |
| 11    | PE   | 5,222            | 91.4%            |                     |                  |
| 12    | OTHER  | 24               | 0.4%             |                     |                  |
| 13    |  |                  | -                |                     |                  |
| 14    |  |                  | -                |                     |                  |
| 15    |  |                  | -                | <br>                |                  |
| 16    | Total length of pipeline   | 5,713            | 100.0%           |                     |                  |
| 17    |  |                  |                  |                     |                  |
|       |  |                  |                  |                     | Gas conveyed for |
|       |  |                  | Weighted average |                     | Persons not      |
|       |  | Pipe length (km) | pipe diameter    | Number of ICPs      | involved in the  |
| 18    | By operating pressure:   | (at year end)    | (mm)             | (at year end)       | GDB (TJ)         |
| 19    | Intermediate pressure  | 216              | 167.9            | 170                 | 2,375            |
| 20    | Medium pressure  | 5,453            | 37.3             | 85,606              | 181              |
| 21    | Low pressure   | 44               | 70.6             | 7,067               | 6,848            |
| 22    | Total  | 5,713            | 42.5             | 92,843              | 9,404            |

|          | r   |                    |                              |
|----------|---|--------------------|------------------------------|
|          | Company Name  | Vector - g         | as distribution business     |
|          | For Year Ended  |                    | 30 June 2013                 |
|          | Network / Sub-network Name  |                    | Combined                     |
| SC       | HEDULE 9d: REPORT ON DEMAND   |                    |                              |
| This     | schedule requires a summary of the key measures of network demand for the disclosure ye | ear (number of new | connections                  |
| inclu    | iding, maximum monthly loads and total gas conveyed)                                    |                    |                              |
| ch rej   | f   |                    |                              |
|          |   |                    |                              |
| 8        |   |                    |                              |
| 9        | 9d(i): Consumer Connections   |                    |                              |
| 10       | Number of ICPs connected in year by consumer type                                       |                    |                              |
| 11       |   |                    |                              |
| 12       | Consumer types defined by GDB   |                    | Number of connections (ICPs) |
| 12<br>13 | Residential   |                    | 3,114                        |
| 14       | Commercial  |                    | 304                          |
| 15       | - Commercial  |                    | 33.                          |
| 16       |   |                    |                              |
| 17       |   |                    |                              |
| 18       |   | Total              | 3,418                        |
| 19       | 9d(ii): Gas Delivered   |                    |                              |
| 20       |   |                    |                              |
| 21       | Number of ICPs at year end  | 156,952            | connections                  |
| 22       | Maximum daily load  | 85,671             | (GJ/day)                     |
| 23       | Maximum monthly load  | 2,172,561          | (GJ/month)                   |
| 24       | Number of directly billed ICPs  | 1                  | (at year end)                |
| 25       | Total gas conveyed  | 21,589,120         | (GJ/annum)                   |
| 26<br>27 | Average daily delivery  | 59,148             | (GJ/day)                     |
| 28       | Maximum monthly amount of gas entering network (GJ/month)                               | 2,172,561          |                              |
|          | maximum monthly amount of gas entering network (day month)                              | 2,112,301          |                              |

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|            | Company Name   |                                 |
|------------|--|---------------------------------|
|            | For Year Ended   | 30 June 2013                    |
|            | Network / Sub-network Name   | North Island                    |
| SCHEE      | DULE 9d: REPORT ON DEMAND  |                                 |
| This sched | dule requires a summary of the key measures of network demand for the disclosure y | year (number of new connections |
| including, | maximum monthly loads and total gas conveyed)                                      |                                 |
| ch ref     |  |                                 |
|            |  |                                 |
| 8          |  |                                 |
| 9 9        | Od(i): Consumer Connections  |                                 |
| 10         | Number of ICPs connected in year by consumer type                                  |                                 |
| 11         |  |                                 |
| 12         | Consumer turns defined by CDR  | Number of                       |
| 12<br>13   | Consumer types defined by GDB  Residential   | connections (ICPs)              |
| 14         | Commercial   | 1,144                           |
| 15         | Commercial   | 103                             |
| 16         |  |                                 |
| 17         |  |                                 |
| 18         |  | <b>Total</b> 1,249              |
| 19         | Đd(ii): Gas Delivered  |                                 |
| 20         | with and belivered   |                                 |
| 21         | Number of ICPs at year end   | 64,109 connections              |
| 22         | Maximum daily load   | 37,694 (GJ/day)                 |
| 23         | Maximum monthly load   | 969,786 (GJ/month)              |
| 24         | Number of directly billed ICPs   | - (at year end)                 |
| 25         | Total gas conveyed   | 9,440,788 (GJ/annum)            |
| 26         | Average daily delivery   | 25,865 (GJ/day)                 |
| 27         |  | 050.705                         |
| 28         | Maximum monthly amount of gas entering network (GJ/month)                          | 969,786                         |
| 29         | Load factor  | 81.12%                          |

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|          | Company Name  | Voctor and distribution business   |
|----------|---|------------------------------------|
|          | Company Name  | Vector - gas distribution business |
|          | For Year Ended  | 30 June 2013                       |
|          | Network / Sub-network Name  | Auckland                           |
| SCI      | HEDULE 9d: REPORT ON DEMAND   |                                    |
| This     | schedule requires a summary of the key measures of network demand for the disclosure ye | ear (number of new connections     |
| inclu    | ding, maximum monthly loads and total gas conveyed)                                     |                                    |
| ch ref   |   |                                    |
| 0        |   |                                    |
| 8        |   |                                    |
| 9        | 9d(i): Consumer Connections   |                                    |
| 10       | Number of ICPs connected in year by consumer type                                       |                                    |
| 11       |   |                                    |
| 12       | Consumer types defined by GDB   | Number of connections (ICPs)       |
| 13       | Residential   | 1,970                              |
| 14       | Commercial  | 199                                |
| 15       |   |                                    |
| 16       |   |                                    |
| 17       |   |                                    |
| 18       |   | <b>Total</b> 2,169                 |
| 19       | 9d(ii): Gas Delivered   |                                    |
| 20       | 54(). 545 2 55.64   |                                    |
| 21       | Number of ICPs at year end  | 92,843 connections                 |
| 22       | Maximum daily load  | 50,944 (GJ/day)                    |
| 23       | Maximum monthly load  | 1,294,334 (GJ/month)               |
| 24       | Number of directly billed ICPs  | 1 (at year end)                    |
| 25       | Total gas conveyed  | 12,148,333 (GJ/annum)              |
| 26       | Average daily delivery  | 33,283 (GJ/day)                    |
| 27       | Maximum monthly amount of sea entering naturals (CI/month)                              | 1 204 224                          |
| 28<br>29 | Maximum monthly amount of gas entering network (GJ/month)  Load factor                  | 1,294,334                          |
| 29       | LUdu IdellOf  | 78.21%                             |

37 S9d.Demand Auckland

|                           | 6 N  | Mt         |                          |               |
|---------------------------|--|------------|--------------------------|---------------|
|                           | Company Name   | vector - g | as distribution          | ousiness      |
|                           | For Year Ended   |            | 30 June 2013<br>Combined |               |
|                           | Network / Sub-network Name   |            | Combined                 |               |
| This so<br>GDBs<br>disclo | HEDULE 10a: REPORT ON NETWORK RELIABILITY AND INTERRUPTIONS chedule requires a summary of the key measures of network reliability (interruptions, SAIDI, SAIFI and CAIDI) for the disclosure year must provide explanatory comment on their network reliability for the disclosure year in Schedule 14 (Explanatory Notes to Templat issure information (as defined in section 1.4 of the ID determination), and so is subject to the assurance report required by section 2.8 |            | AIFI information is pa   | rt of audited |
| sch ref                   |  |            |                          |               |
| 8                         | 10a(i): Interruptions  |            |                          |               |
| 9                         | Interruptions by class   | Actual     |                          |               |
| 10                        | Class A (planned interruptions by GTB)   | -          |                          |               |
| 11                        | Class B (planned interruptions on the network)   | 2,622      |                          |               |
| 12                        | Class C (unplanned interruptions on the network)   | 245        |                          |               |
| 13                        | Class D (unplanned interruptions by GTB)   | -          |                          |               |
| 14                        | Class I (unplanned interruptions caused by third party damage)   | 423        |                          |               |
| 15                        | Total  | 3,290      |                          |               |
| 16                        | Number of unplanned outage events (interruptions that affect more than 5 ICPs)   | Actual     |                          |               |
| 17                        | Vector Region  | 13         |                          |               |
| 18                        |  |            |                          |               |
| 19                        |  |            |                          |               |
| 20                        |  |            |                          |               |
| 21                        |  |            |                          |               |
|                           |  |            |                          |               |
| 22                        | Number of unplanned outage events caused by third party damage (interruptions that affect more than 5 ICPs)  | Actual     |                          |               |
| 23                        | Vector Region  | 10         |                          |               |
| 24                        |  |            |                          |               |
| 25                        |  |            |                          |               |
| 26                        |  |            |                          |               |
| 27                        |  |            |                          |               |
|                           |  |            |                          |               |
| 28                        | 10a(ii): Reliability   |            |                          |               |
| 29                        | Overall reliability  | SAIDI      | SAIFI                    | CAIDI         |
| 30                        | Based on the total number of interruptions   | 5,090      | 22.8                     | 223           |
| 31                        | Class I (unplanned interruptions caused by third party damage)   | 440        | 4.29                     | 103           |
|                           |  |            |                          |               |
| 32                        | Class B (planned interruptions on the network)   | SAIDI      | SAIFI                    | CAIDI         |
| 33                        | Vector Region Vector Region  | 4,360      | 16.8                     | 260           |
| 34<br>35                  |  |            |                          | -             |
| 36                        |  |            |                          |               |
| 37                        |  |            |                          |               |
|                           |  |            |                          |               |
| 38                        | Class C (unplanned interruptions on the network)   | SAIDI      | SAIFI                    | CAIDI         |
| 39                        | Vector Region  | 290        | 1.74                     | 167           |
| 40                        |  |            |                          | -             |
| 41<br>42                  |  |            |                          | -             |
| 42                        |  |            |                          |               |
| 43                        |  |            |                          | -             |

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|                                  | Company Name   |              | as distribution b      | ousiness      |
|----------------------------------|--|--------------|------------------------|---------------|
|                                  | For Year Ended   |              | 30 June 2013           |               |
|                                  | Network / Sub-network Name   |              | North Island           |               |
| This                             | CHEDULE 10a: REPORT ON NETWORK RELIABILITY AND INTERRUPTIONS  Is schedule requires a summary of the key measures of network reliability (interruptions, SAIDI, SAIFI and CAIDI) for the disclosure year is smust provide explanatory comment on their network reliability for the disclosure year in Schedule 14 (Explanatory Notes to Templat losure information (as defined in section 1.4 of the ID determination), and so is subject to the assurance report required by section 2.8 |              | NFI information is pai | rt of audited |
| sch re                           | f  |              |                        |               |
|                                  | 10a/i), Intermentions  |              |                        |               |
| 8<br>9                           | 10a(i): Interruptions Interruptions by class   | Actual       |                        |               |
| 10                               | Class A (planned interruptions by GTB)   | Actual       |                        |               |
| 11                               | Class B (planned interruptions on the network)   | 860          |                        |               |
| 12                               | Class C (unplanned interruptions on the network)   | 98           |                        |               |
| 13                               | Class D (unplanned interruptions by GTB)   | 30           |                        |               |
| 14                               | Class I (unplanned interruptions caused by third party damage)   | 191          |                        |               |
| 15                               | Total  | 1,149        |                        |               |
|                                  |  |              |                        |               |
| 16                               | Number of unplanned outage events (interruptions that affect more than 5 ICPs)   | Actual       |                        |               |
| 17                               | North Island Region  | 8            |                        |               |
| 18                               |  |              |                        |               |
| 19                               |  |              |                        |               |
| 20                               |  |              |                        |               |
| 21                               |  |              |                        |               |
| 22<br>23<br>24<br>25<br>26<br>27 | Number of unplanned outage events caused by third party damage (interruptions that affect more than 5 ICPs)  North Island Region   | Actual 6     |                        |               |
|                                  | 40a/ii). Paliakilia.   |              |                        |               |
| 28                               | 10a(ii): Reliability   |              |                        |               |
| 29                               | Overall reliability  | SAIDI        | SAIFI                  | CAIDI         |
| 30                               | Based on the total number of interruptions   | 4,950        | 20.5                   | 241           |
| 31                               | Class I (unplanned interruptions caused by third party damage)   | 450          | 5.09                   | 88            |
| 32                               | Class B (planned interruptions on the network)   | SAIDI        | SAIFI                  | CAIDI         |
| 33                               | North Island Region  | 3,980        | 13.4                   | 297           |
| 34                               |  |              |                        | -             |
| 35                               |  |              |                        | -             |
| 36                               |  |              |                        | -             |
| 37                               |  |              |                        | -             |
| 38                               | Class C (unalanned interruntions on the network)   | SAIDI        | SAIFI                  | CAIDI         |
| 38<br>39                         | Class C (unplanned interruptions on the network)  North Island Region  | SAIDI<br>530 | 2.01                   | CAIDI<br>264  |
| 39<br>40                         | North Island neglon  | 530          | 2.01                   | 204           |
| 41                               |  |              |                        |               |
| 42                               |  |              |                        |               |
| 43                               |  |              |                        | -             |
|                                  |  | <u> </u>     | _                      |               |

|   | Company Name   | Vector - g                  | as distribution               | business                       |
|---|--|-----------------------------|-------------------------------|--------------------------------|
|   | For Year Ended   |                             | 30 June 2013                  |                                |
|   | Network / Sub-network Name   |                             | Auckland                      |                                |
|   | ·  |                             | Adeliana                      |                                |
|   | HEDULE 10a: REPORT ON NETWORK RELIABILITY AND INTERRUPTIONS  |                             |                               |                                |
| GDBs  | schedule requires a summary of the key measures of network reliability (interruptions, SAIDI, SAIFI and CAIDI) for the disclosure year<br>s must provide explanatory comment on their network reliability for the disclosure year in Schedule 14 (Explanatory Notes to Templat<br>osure information (as defined in section 1.4 of the ID determination), and so is subject to the assurance report required by section 2.8 |                             | AIFI information is pa        | art of audited                 |
| sch ref   |  |                             |                               |                                |
| 8   | 10a(i): Interruptions  |                             |                               |                                |
| 9   | Interruptions by class   | Actual                      |                               |                                |
| 10  | Class A (planned interruptions by GTB)   | _                           |                               |                                |
| 11  | Class B (planned interruptions on the network)   | 1,762                       |                               |                                |
| 12  | Class C (unplanned interruptions on the network)   | 147                         |                               |                                |
| 13  | Class D (unplanned interruptions by GTB)   | -                           |                               |                                |
| 14  | Class I (unplanned interruptions caused by third party damage)   | 232                         |                               |                                |
| 15  | Total  | 2,141                       |                               |                                |
| 16  | Number of unplanned outage events (interruptions that affect more than 5 ICPs)   | Actual                      |                               |                                |
| 17  | Auckland Region  | 5                           |                               |                                |
| 18  |  |                             |                               |                                |
| 19  |  |                             |                               |                                |
| 20  |  |                             |                               |                                |
| 21  |  |                             |                               |                                |
|   |  |                             |                               |                                |
| 22  | Number of conference actions accepts accept by third party demand /intermentions that officet were then E ICDs)  |                             |                               |                                |
|   | Number of unplanned outage events caused by third party damage (interruptions that affect more than 5 ICPs)  | Actual                      |                               |                                |
| 23  | Auckland Region  | Actual 4                    |                               |                                |
| 23<br>24  |  |                             |                               |                                |
|   |  |                             |                               |                                |
| 24  |  |                             |                               |                                |
| 24<br>25  |  |                             |                               |                                |
| 24<br>25<br>26  |  |                             |                               |                                |
| 24<br>25<br>26  | Auckland Region  |                             |                               |                                |
| 24<br>25<br>26<br>27  | Auckland Region  10a(ii): Reliability  | 4                           | SAIFI                         | CAID                           |
| 24<br>25<br>26<br>27<br>28<br>29  | Auckland Region  10a(ii): Reliability  Overall reliability   | SAIDI                       | SAIFI                         | CAIDI                          |
| 24<br>25<br>26<br>27<br>28<br>29<br>30  | Auckland Region  10a(ii): Reliability  Overall reliability  Based on the total number of interruptions   | \$AIDI 5,180                | 24.4                          | 212                            |
| 24<br>25<br>26<br>27<br>28<br>29  | Auckland Region  10a(ii): Reliability  Overall reliability  Based on the total number of interruptions  Class I (unplanned interruptions caused by third party damage)   | SAIDI 5,180 430             | 24.4<br>3.73                  | 212<br>115                     |
| 24<br>25<br>26<br>27<br>28<br>29<br>30<br>31  | Auckland Region  10a(ii): Reliability  Overall reliability  Based on the total number of interruptions Class I (unplanned interruptions caused by third party damage)  Class B (planned interruptions on the network)  | SAIDI 5,180 430 SAIDI       | 24.4<br>3.73<br>SAIFI         | 212<br>115                     |
| 24<br>25<br>26<br>27<br>28<br>29<br>30<br>31<br>32<br>33                                | Auckland Region  10a(ii): Reliability  Overall reliability  Based on the total number of interruptions  Class I (unplanned interruptions caused by third party damage)   | SAIDI 5,180 430             | 24.4<br>3.73                  | 212<br>115                     |
| 24<br>25<br>26<br>27<br>28<br>29<br>30<br>31<br>32<br>33<br>34                          | Auckland Region  10a(ii): Reliability  Overall reliability  Based on the total number of interruptions Class I (unplanned interruptions caused by third party damage)  Class B (planned interruptions on the network)  | SAIDI 5,180 430 SAIDI       | 24.4<br>3.73<br>SAIFI         | 212<br>115                     |
| 24<br>25<br>26<br>27<br>28<br>29<br>30<br>31<br>32<br>33<br>34<br>35                    | Auckland Region  10a(ii): Reliability  Overall reliability  Based on the total number of interruptions Class I (unplanned interruptions caused by third party damage)  Class B (planned interruptions on the network)  | SAIDI 5,180 430 SAIDI       | 24.4<br>3.73<br>SAIFI         | 212<br>115                     |
| 24<br>25<br>26<br>27<br>28<br>29<br>30<br>31<br>32<br>33<br>34<br>35<br>36              | Auckland Region  10a(ii): Reliability  Overall reliability  Based on the total number of interruptions Class I (unplanned interruptions caused by third party damage)  Class B (planned interruptions on the network)  | SAIDI 5,180 430 SAIDI       | 24.4<br>3.73<br>SAIFI         | 212<br>115                     |
| 24<br>25<br>26<br>27<br>28<br>29<br>30<br>31<br>32<br>33<br>34<br>35                    | Auckland Region  10a(ii): Reliability  Overall reliability  Based on the total number of interruptions Class I (unplanned interruptions caused by third party damage)  Class B (planned interruptions on the network)  | SAIDI 5,180 430 SAIDI       | 24.4<br>3.73<br>SAIFI         | 212<br>115                     |
| 24   25   26   27   28   29   30   31   32   33   34   35   36   37   38                | Auckland Region  10a(ii): Reliability  Overall reliability  Based on the total number of interruptions  Class I (unplanned interruptions caused by third party damage)  Class B (planned interruptions on the network)  Auckland Region  Class C (unplanned interruptions on the network)  | \$AIDI                      | 24.4<br>3.73<br>SAIFI<br>19.1 | 212<br>115<br>CAIDI<br>241<br> |
| 24  | 10a(ii): Reliability Overall reliability Based on the total number of interruptions Class I (unplanned interruptions caused by third party damage)  Class B (planned interruptions on the network)  Auckland Region  | SAIDI 5,180 430 SAIDI 4,600 | 24.4<br>3.73<br>SAIFI<br>19.1 | 212<br>115<br>CAIDI<br>241     |
| 24   25   26   27   28   29   30   31   32   33   34   35   36   37   38   39   40      | Auckland Region  10a(ii): Reliability  Overall reliability  Based on the total number of interruptions  Class I (unplanned interruptions caused by third party damage)  Class B (planned interruptions on the network)  Auckland Region  Class C (unplanned interruptions on the network)  | \$AIDI                      | 24.4<br>3.73<br>SAIFI<br>19.1 | 212<br>115<br>CAIDI<br>241<br> |
| 24   25   26   27   28   29   30   31   32   33   34   35   36   37   38   39   40   41 | Auckland Region  10a(ii): Reliability  Overall reliability  Based on the total number of interruptions  Class I (unplanned interruptions caused by third party damage)  Class B (planned interruptions on the network)  Auckland Region  Class C (unplanned interruptions on the network)  | \$AIDI                      | 24.4<br>3.73<br>SAIFI<br>19.1 | 212<br>115<br>CAIDI<br>241<br> |
| 24   25   26   27   28   29   30   31   32   33   34   35   36   37   38   39   40      | Auckland Region  10a(ii): Reliability  Overall reliability  Based on the total number of interruptions  Class I (unplanned interruptions caused by third party damage)  Class B (planned interruptions on the network)  Auckland Region  Class C (unplanned interruptions on the network)  | \$AIDI                      | 24.4<br>3.73<br>SAIFI<br>19.1 | 212<br>115<br>CAIDI<br>241<br> |

|          |                |   | Company Name                 | Vector - g                  | gas distribution              | business    |
|----------|----------------|---|------------------------------|-----------------------------|-------------------------------|-------------|
|          |                |   | For Year Ended               |                             | 30 June 2013                  |             |
|          |                | Network / Sub   | -network Name                |                             | Combined                      |             |
| SC       | CHEDULE        | 10b: REPORT ON NETWORK INTEGRITY AND CONSUMER SERVICE   |                              |                             |                               |             |
| Thi      | s schedule red | uires a summary of the key measures of network Integrity (gas escapes, response time to emergencies etc) for the disclosi | ıre year.                    |                             |                               |             |
| sch r    | ef             |   |                              |                             |                               |             |
|          |                |   |                              |                             |                               |             |
| 8        | 10b(i          | ): System Condition and Integrity   |                              |                             |                               |             |
|          | •              |   |                              |                             |                               |             |
| 9        | Nu             | mber of confirmed public reported gas escapes / total length of pipeline (escapes/1000 km)                                | Actual                       |                             |                               |             |
| 10       | 140            | Vector Region   | 45.8                         | 1                           |                               |             |
| 11       |                |   |                              |                             |                               |             |
| 12       |                |   |                              |                             |                               |             |
| 13       |                |   |                              |                             |                               |             |
| 14       |                |   |                              | J                           |                               |             |
| 15       | Nu             | mber of leaks detected by routine survey / total length of pipeline (leaks/1000 km)                                       | Actual                       | _                           |                               |             |
| 16       |                | Vector Region   | 1.3                          |                             |                               |             |
| 17       |                |   |                              |                             |                               |             |
| 18<br>19 |                |   |                              |                             |                               |             |
| 20       |                |   |                              |                             |                               |             |
|          |                |   |                              | •                           |                               |             |
| 21       | Nu             | mber of third party damage events / total length of pipeline (events/km)  | Actual                       | 1                           |                               |             |
| 22<br>23 |                | Vector Region   | 57.3                         |                             |                               |             |
| 24       |                |   |                              |                             |                               |             |
| 25       |                |   |                              |                             |                               |             |
| 26       |                |   |                              |                             |                               |             |
| 27       | Nu             | mber of poor pressure events due to network causes  | Actual                       |                             |                               |             |
| 28       |                | Vector Region   | 3                            | ]                           |                               |             |
| 29       |                |   |                              |                             |                               |             |
| 30       |                |   |                              |                             |                               |             |
| 31<br>32 |                |   |                              |                             |                               |             |
| 33       |                |   |                              | I                           |                               |             |
| 34       | NI.            | mber of telephone calls to emergency numbers answered within 30 seconds / total number of calls                           | Actual                       |                             |                               |             |
| 35       | Nu             | Vector Region   | 93.23%                       | ]                           |                               |             |
| 36       |                | Teter negron  | 33.2370                      |                             |                               |             |
| 37       |                |   |                              |                             |                               |             |
| 38       |                |   |                              |                             |                               |             |
| 39       |                |   |                              |                             |                               |             |
| 40       | Pro            | duct control—safety of distribution gas   | Actual                       |                             |                               |             |
| 41       | N              | umber of non-compliant odour tests  | 8                            | ]                           |                               |             |
|          |                |   |                              |                             |                               |             |
| 42       | 10b(ii         | : Consumer Service  |                              |                             |                               |             |
|          |                |   |                              |                             |                               |             |
|          |                |   |                              |                             |                               |             |
|          |                |   | Proportion of<br>emergencies | Proportion of               | Avorage cell                  |             |
|          |                |   | responded to                 | emergencies<br>responded to | Average call<br>response time | Number of   |
| 43       | Re             | sponse time to emergencies (RTE)  | within 1 hour (%)            | within 3 hours (%)          | (hours)                       | emergencies |
| 44       |                | Vector Region   | 93.1%                        | 100.0%                      | 0.6                           | 218         |
| 45       |                |   |                              |                             |                               |             |
| 46<br>47 |                |   |                              |                             |                               |             |
| 48       |                |   |                              |                             |                               |             |
| 40       | B1             | mhor of complaints  | Actual                       |                             |                               |             |
| 49<br>50 |                | mber of complaints umber of complaints per average total consumer numbers   | 0.0010                       |                             |                               |             |
| 30       | IN.            | amber of complaints per average total consumer numbers  | 0.0010                       |                             |                               |             |

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|          |  |   | Company Name   | Vector - 0                         | gas distribution | husiness          |
|----------|--|---|----------------|------------------------------------|------------------|-------------------|
|          |  |   | For Year Ended | Vector - 8                         | 30 June 2013     | business          |
|          | Network / Sub-network Name                                     |   |                |                                    | North Island     |                   |
| sc       | SCHEDULE 10b: REPORT ON NETWORK INTEGRITY AND CONSUMER SERVICE |   |                |                                    |                  |                   |
|          |  | uires a summary of the key measures of network Integrity (gas escapes, response time to emergencies etc) for the disclosi | ure year.      |                                    |                  |                   |
| sch re   | ef   |   |                |                                    |                  |                   |
|          | ,  |   |                |                                    |                  |                   |
| 8        | 10b(i  | ): System Condition and Integrity   |                |                                    |                  |                   |
|          |  |   |                |                                    |                  |                   |
| 9        | Nu   | mber of confirmed public reported gas escapes / total length of pipeline (escapes/1000 km)                                | Actual         |                                    |                  |                   |
| 10       |  | North Island Region   | 50.2           |                                    |                  |                   |
| 11<br>12 |  |   |                |                                    |                  |                   |
| 13       |  |   |                |                                    |                  |                   |
| 14       |  |   |                |                                    |                  |                   |
| 15       | Nu   | mber of leaks detected by routine survey / total length of pipeline (leaks/1000 km)                                       | Actual         |                                    |                  |                   |
| 16       |  | North Island Region   | 0.2            |                                    |                  |                   |
| 17       |  |   |                |                                    |                  |                   |
| 18<br>19 |  |   |                |                                    |                  |                   |
| 20       |  |   |                |                                    |                  |                   |
| 21       | Nu   | mber of third party damage events / total length of pipeline (events/km)  | Actual         |                                    |                  |                   |
| 22       | 140  | North Island Region   | 59.2           |                                    |                  |                   |
| 23       |  |   |                |                                    |                  |                   |
| 24       |  |   |                |                                    |                  |                   |
| 25<br>26 |  |   |                |                                    |                  |                   |
|          |  |   | A - 4 1        | ,                                  |                  |                   |
| 27<br>28 | Nu   | mber of poor pressure events due to network causes  North Island Region   | Actual 1       |                                    |                  |                   |
| 29       |  | TOTAL GIANA REGION  | _              |                                    |                  |                   |
| 30       |  |   |                |                                    |                  |                   |
| 31<br>32 |  |   |                |                                    |                  |                   |
| 33       |  |   |                |                                    |                  |                   |
| 34       | Nu   | mber of telephone calls to emergency numbers answered within 30 seconds / total number of calls                           | Actual         |                                    |                  |                   |
| 35       |  | North Island Region   | 93.23%         |                                    |                  |                   |
| 36       |  |   |                |                                    |                  |                   |
| 37<br>38 |  |   |                |                                    |                  |                   |
| 39       |  |   |                |                                    |                  |                   |
| 40       | Pro  | duct control—safety of distribution gas   | Actual         |                                    |                  |                   |
| 41       |  | umber of non-compliant odour tests  | 5              |                                    |                  |                   |
|          |  |   |                |                                    |                  |                   |
| 42       | 10b(ii   | : Consumer Service  |                |                                    |                  |                   |
|          |  |   |                |                                    |                  |                   |
|          |  |   | Proportion of  | Donata of                          |                  |                   |
|          |  |   | emergencies    | Proportion of<br>emergencies       | Average call     |                   |
| 43       | P-   | consecting to emergencies (PTE)   | responded to   | responded to<br>within 3 hours (%) | response time    | Number of         |
| 43<br>44 | Ke   | sponse time to emergencies (RTE)  North Island Region   | 89.8%          | 100.0%                             | (hours)          | emergencies<br>88 |
| 45       |  |   |                |                                    | -                |                   |
| 46       |  |   |                |                                    |                  |                   |
| 47<br>48 |  |   |                |                                    |                  |                   |
|          |  | about and the   |                |                                    |                  |                   |
| 49<br>50 |  | mber of complaints umber of complaints per average total consumer numbers   | Actual 0.0005  |                                    |                  |                   |
| 30       | N  | amber of complaints per average total consumer numbers  | 0.0005         |                                    |                  |                   |

|          | Company Name   |   |                              | Vector - g                   | gas distribution | business           |  |
|----------|----------------|---|------------------------------|------------------------------|------------------|--------------------|--|
|          | For Year Ended |   |                              |                              |                  |                    |  |
|          |                |   | -network Name                |                              | Auckland         |                    |  |
|          |                | 10b: REPORT ON NETWORK INTEGRITY AND CONSUMER SERVICE   |                              |                              |                  |                    |  |
| This     | s schedule red | uires a summary of the key measures of network Integrity (gas escapes, response time to emergencies etc) for the disclosu | ire year.                    |                              |                  |                    |  |
| sch re   | ef             |   |                              |                              |                  |                    |  |
|          | 10h/:          | ). System Condition and Integrity   |                              |                              |                  |                    |  |
| 8        | ΙΟΟΙ           | ): System Condition and Integrity   |                              |                              |                  |                    |  |
| 9        | Nu             | mber of confirmed public reported gas escapes / total length of pipeline (escapes/1000 km)                                | Actual                       |                              |                  |                    |  |
| 10       | 140            | Auckland Region   | 42.6                         |                              |                  |                    |  |
| 11       |                |   |                              |                              |                  |                    |  |
| 12<br>13 |                |   |                              |                              |                  |                    |  |
| 14       |                |   |                              |                              |                  |                    |  |
| 15       | Nu             | mber of leaks detected by routine survey / total length of pipeline (leaks/1000 km)                                       | Actual                       |                              |                  |                    |  |
| 16       |                | Auckland Region   | 2.3                          |                              |                  |                    |  |
| 17       |                |   |                              |                              |                  |                    |  |
| 18<br>19 |                |   |                              |                              |                  |                    |  |
| 20       |                |   |                              |                              |                  |                    |  |
| 21       | Nu             | mber of third party damage events / total length of pipeline (events/km)  | Actual                       |                              |                  |                    |  |
| 22       |                | Auckland Region   | 56.2                         |                              |                  |                    |  |
| 23       |                |   |                              |                              |                  |                    |  |
| 24<br>25 |                |   |                              |                              |                  |                    |  |
| 26       |                |   |                              |                              |                  |                    |  |
| 27       | Nu             | mber of poor pressure events due to network causes  | Actual                       |                              |                  |                    |  |
| 28       |                | Auckland Region   | 2                            |                              |                  |                    |  |
| 29<br>30 |                |   |                              |                              |                  |                    |  |
| 31       |                |   |                              |                              |                  |                    |  |
| 32<br>33 |                |   |                              |                              |                  |                    |  |
| 33       |                |   |                              |                              |                  |                    |  |
| 34       | Nu             | mber of telephone calls to emergency numbers answered within 30 seconds / total number of calls                           | Actual 93.23%                | 1                            |                  |                    |  |
| 35<br>36 |                | Auckland Region   | 93.23%                       |                              |                  |                    |  |
| 37       |                |   |                              |                              |                  |                    |  |
| 38<br>39 |                |   |                              |                              |                  |                    |  |
|          |                |   |                              |                              |                  |                    |  |
| 40       |                | oduct control—safety of distribution gas umber of non-compliant odour tests   | Actual 3                     | Ì                            |                  |                    |  |
| 41       | IN             | uniber of non-compilant buodictests   | 3                            |                              |                  |                    |  |
| 42       | 10b(ii         | ): Consumer Service   |                              |                              |                  |                    |  |
|          | •              |   |                              |                              |                  |                    |  |
|          |                |   |                              |                              |                  |                    |  |
|          |                |   | Proportion of<br>emergencies | Proportion of<br>emergencies | Average call     |                    |  |
|          | -              | Aires As a service (OTF)  | responded to                 | responded to                 | response time    | Number of          |  |
| 43<br>44 | Ke             | sponse time to emergencies (RTE) Auckland Region  | within 1 hour (%)<br>95.4%   | within 3 hours (%)<br>100.0% | (hours)          | emergencies<br>130 |  |
| 45       |                | ¥   | 22.170                       |                              | 5.0              |                    |  |
| 46       |                |   |                              |                              |                  |                    |  |
| 47<br>48 |                |   |                              |                              |                  |                    |  |
|          | NI             | mber of complaints  | Actual                       |                              |                  |                    |  |
| 49<br>50 |                | umber of complaints umber of complaints per average total consumer numbers  | 0.0013                       |                              |                  |                    |  |
|          |                |   |                              |                              |                  |                    |  |

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