

**EDB Information Disclosure Requirements
Information Templates
for
Schedules 1–10 (Public)**

Company Name

Vector

Disclosure Date

31 August 2015

Disclosure Year (year ended)

31 March 2015

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

Table of Contents

Schedule	Schedule name
1	<u>ANALYTICAL RATIOS</u>
2	<u>REPORT ON RETURN ON INVESTMENT</u>
3	<u>REPORT ON REGULATORY PROFIT</u>
4	<u>REPORT ON VALUE OF THE REGULATORY ASSET BASE (ROLLED FORWARD)</u>
5a	<u>REPORT ON REGULATORY TAX ALLOWANCE</u>
5b	<u>REPORT ON RELATED PARTY TRANSACTIONS</u>
5c	<u>REPORT ON TERM CREDIT SPREAD DIFFERENTIAL ALLOWANCE</u>
5d	<u>REPORT ON COST ALLOCATIONS</u>
5e	<u>REPORT ON ASSET ALLOCATIONS</u>
6a	<u>REPORT ON CAPITAL EXPENDITURE FOR THE DISCLOSURE YEAR</u>
6b	<u>REPORT ON OPERATIONAL EXPENDITURE FOR THE DISCLOSURE YEAR</u>
7	<u>COMPARISON OF FORECASTS TO ACTUAL EXPENDITURE</u>
8	<u>REPORT ON BILLED QUANTITIES AND LINE CHARGE REVENUES</u>
9a	<u>ASSET REGISTER</u>
9b	<u>ASSET AGE PROFILE</u>
9c	<u>REPORT ON OVERHEAD LINES AND UNDERGROUND CABLES</u>
9d	<u>REPORT ON EMBEDDED NETWORKS</u>
9e	<u>REPORT ON NETWORK DEMAND</u>
10	<u>REPORT ON NETWORK RELIABILITY</u>

Disclosure Template Instructions

These templates have been prepared for use by EDBs when making disclosures under clauses 2.3.1, 2.4.21, 2.4.22, 2.5.1, and 2.5.2 of the Electricity Distribution Information Disclosure Determination 2012.

Company Name and Dates

To prepare the templates for disclosure, the supplier's company name should be entered in cell C8, the date of the last day of the current (disclosure) year should be entered in cell C12, and the date on which the information is disclosed should be entered in cell C10 of the CoverSheet worksheet.

The cell C12 entry (current year) is used to calculate disclosure years in the column headings that show above some of the tables and in labels adjacent to some entry cells. It is also used to calculate the 'For year ended' date in the template title blocks (the title blocks are the light green shaded areas at the top of each template).

The cell C8 entry (company name) is used in the template title blocks.

Dates should be entered in day/month/year order (Example -"1 April 2013").

Data Entry Cells and Calculated Cells

Data entered into this workbook may be entered only into the data entry cells. Data entry cells are the bordered, unshaded areas (white cells) in each template. Under no circumstances should data be entered into the workbook outside a data entry cell.

In some cases, where the information for disclosure is able to be ascertained from disclosures elsewhere in the workbook, such information is disclosed in a calculated cell.

Validation Settings on Data Entry Cells

To maintain a consistency of format and to help guard against errors in data entry, some data entry cells test keyboard entries for validity and accept only a limited range of values. For example, entries may be limited to a list of category names, to values between 0% and 100%, or either a numeric entry or the text entry "N/A". Where this occurs, a validation message will appear when data is being entered. These checks are applied to keyboard entries only and not, for example, to entries made using Excel's copy and paste facility.

Conditional Formatting Settings on Data Entry Cells

Schedule 2 cells G79 and I79:L79 will change colour if the total cashflows do not equal the corresponding values in table 2(ii).

Schedule 4 cells P99:P105 and P107 will change colour if the RAB values do not equal the corresponding values in table 4(ii).

Schedule 9b columns AA to AE (2013 to 2017) contain conditional formatting. The data entry cells for future years are hidden (are changed from white to yellow).

Schedule 9b cells AG10 to AG60 will change colour if the total assets at year end for each asset class does not equal the corresponding values in column I in Schedule 9a.

Schedule 9c cell G30 will change colour if G30 (overhead circuit length by terrain) does not equal G18 (overhead circuit length by operating voltage).

Inserting Additional Rows and Columns

The templates for schedules 4, 5b, 5c, 5d, 5e, 6a, 8, 9d, and 9e may require additional rows to be inserted in tables marked 'include additional rows if needed' or similar. Column A schedule references should not be entered in additional rows, and should be deleted from additional rows that are created by copying and pasting rows that have schedule references.

Additional rows in schedules 5c, 6a, and 9e 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 rows 77 and 78 of the respective templates to allow blocks of rows to be copied. The four steps to add new cost category rows to table 5d(iii) are: Select Excel rows 69:77, copy, select Excel row 78, insert copied cells. Similarly, for table 5e(ii): Select Excel rows 70:78, copy, select Excel row 79, then insert copied cells.

The template for schedule 8 may require additional columns to be inserted between column P and U. To avoid interfering with the title block entries, these should be inserted to the left of column S. If inserting additional columns, the formulas for standard consumers total, non-standard consumers totals and total for all consumers will need to be copied into the cells of the added columns. The formulas can be found in the equivalent cells of the existing columns.

Disclosures by Sub-Network

If the supplier has sub-networks, schedules 8, 9a, 9b, 9c, 9e, and 10 must be completed for the network and for each sub-network. A copy of the schedule worksheet(s) must be made for each sub-network 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 Electricity Distribution ID Determination 2012 (as issued on 24 March 2015). They provide a common reference between the rows in the determination and the template.

Description of Calculation References

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

Worksheet Completion Sequence

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

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

Company Name	Vector
For Year Ended	31 March 2015

SCHEDULE 1: ANALYTICAL RATIOS

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

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

sch ref

7	1(i): Expenditure metrics				
8					
9		Expenditure per GWh energy delivered to ICPs (\$/GWh)	Expenditure per average no. of ICPs (\$/ICP)	Expenditure per MW maximum coincident system demand (\$/MW)	Expenditure per MVA of capacity from EDB-owned distribution transformers (\$/MVA)
10	Operational expenditure	13,415	208	64,785	27,251
11	Network	5,038	78	24,329	10,234
12	Non-network	8,377	130	40,456	17,017
13	Expenditure on assets	19,632	304	94,811	39,882
14	Network	18,554	287	89,603	37,691
15	Non-network	1,078	17	5,208	2,191
16					
17	1(ii): Revenue metrics				
18					
19		Revenue per GWh energy delivered to ICPs (\$/GWh)	Revenue per average no. of ICPs (\$/ICP)		
20	Total consumer line charge revenue	74,814	1,158		
21	Standard consumer line charge revenue	79,101	1,107		
22	Non-standard consumer line charge revenue	34,106	603,867		
23	1(iii): Service intensity measures				
24					
25	Demand density	96			Maximum coincident system demand per km of circuit length (for supply) (kW/km)
26	Volume density	462			Total energy delivered to ICPs per km of circuit length (for supply) (MWh/km)
27	Connection point density	30			Average number of ICPs per km of circuit length (for supply) (ICPs/km)
28	Energy intensity	15,472			Total energy delivered to ICPs per average number of ICPs (kWh/ICP)
29					
30	1(iv): Composition of regulatory income				
31					
32				(\$000)	% of revenue
33	Operational expenditure			112,188	18.19%
34	Pass-through and recoverable costs excluding financial incentives and wash-ups			228,553	37.05%
35	Total depreciation			92,306	14.96%
36	Total revaluations			2,188	0.35%
37	Regulatory tax allowance			46,175	7.49%
38	Regulatory profit/(loss) including financial incentives and wash-ups			139,308	22.58%
39	Total regulatory income			616,862	
40	1(v): Reliability				
41					
42	Interruption rate			15.35	Interruptions per 100 circuit km

Company Name
For Year Ended

Vector
31 March 2015

SCHEDULE 2: REPORT ON RETURN ON INVESTMENT

This schedule requires information on the Return on Investment (ROI) for the EDB relative to the Commerce Commission's estimates of post tax WACC and vanilla WACC. EDBs 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 an EDB makes this election, information supporting this calculation must be provided in 2(iii).

EDBs 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
		31 Mar 13	31 Mar 14	31 Mar 15
		%	%	%
7	ROI – comparable to a post tax WACC			
8				
9	Reflecting all revenue earned	7.44%	6.68%	4.64%
10	Excluding revenue earned from financial incentives	7.44%	6.68%	4.64%
11	Excluding revenue earned from financial incentives and wash-ups	7.44%	6.68%	5.09%
12				
13				
14	Mid-point estimate of post tax WACC	5.85%	5.43%	6.10%
15	25th percentile estimate	5.13%	4.71%	5.39%
16	75th percentile estimate	6.56%	6.14%	6.82%
17				
18				
19	ROI – comparable to a vanilla WACC			
20	Reflecting all revenue earned	8.22%	7.37%	5.42%
21	Excluding revenue earned from financial incentives	8.22%	7.37%	5.42%
22	Excluding revenue earned from financial incentives and wash-ups	8.22%	7.37%	5.87%
23				
24	WACC rate used to set regulatory price path	8.77%	8.77%	8.77%
25				
26	Mid-point estimate of vanilla WACC	6.62%	6.11%	6.89%
27	25th percentile estimate	5.91%	5.39%	6.17%
28	75th percentile estimate	7.34%	6.83%	7.60%
29				
30	2(ii): Information Supporting the ROI			
31				
32	Total opening RAB value	2,618,855		
33	plus Opening deferred tax	(52,259)		
34	Opening RIV		2,566,596	
35				
36	Line charge revenue		625,681	
37				
38	Expenses cash outflow	340,741		
39	add Assets commissioned	137,234		
40	less Asset disposals	9,360		
41	add Tax payments	36,106		
42	less Other regulated income	(8,819)		
43	Mid-year net cash outflows		513,540	
44				
45	Term credit spread differential allowance		520	
46				
47	Total closing RAB value	2,656,416		
48	less Adjustment resulting from asset allocation	(195)		
49	less Lost and found assets adjustment	–		
50	plus Closing deferred tax	(62,328)		
51	Closing RIV		2,594,283	
52				
53	ROI – comparable to a vanilla WACC			5.42%
54				
55	Leverage (%)			44%
56	Cost of debt assumption (%)			6.36%
57	Corporate tax rate (%)			28%
58				
59	ROI – comparable to a post tax WACC			4.64%
60				

Company Name
For Year Ended

Vector
31 March 2015

SCHEDULE 2: REPORT ON RETURN ON INVESTMENT

This schedule requires information on the Return on Investment (ROI) for the EDB relative to the Commerce Commission's estimates of post tax WACC and vanilla WACC. EDBs 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 an EDB makes this election, information supporting this calculation must be provided in 2(iii).

EDBs 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(iii): Information Supporting the Monthly ROI

61									
62									
63		Opening RIV							N/A
64									
65									
66			Line charge revenue	Expenses cash outflow	Assets commissioned	Asset disposals	Other regulated income	Monthly net cash outflows	
67		April							-
68		May							-
69		June							-
70		July							-
71		August							-
72		September							-
73		October							-
74		November							-
75		December							-
76		January							-
77		February							-
78		March							-
79		Total	-	-	-	-	-	-	-
80									
81		Tax payments							N/A
82									
83		Term credit spread differential allowance							N/A
84									
85		Closing RIV							N/A
86									
87									
88		Monthly ROI – comparable to a vanilla WACC							N/A
89									
90		Monthly ROI – comparable to a post tax WACC							N/A
91									
92		2(iv): Year-End ROI Rates for Comparison Purposes							
93									
94		Year-end ROI – comparable to a vanilla WACC							5.89%
95									
96		Year-end ROI – comparable to a post tax WACC							5.10%
97									
98		<i>* these year-end ROI values are comparable to the ROI reported in pre 2012 disclosures by EDBs and do not represent the Commission's current view on ROI.</i>							
99									
100		2(v): Financial Incentives and Wash-Ups							
101									
102		Net recoverable costs allowed under incremental rolling incentive scheme							-
103		Purchased assets – avoided transmission charge							-
104		Energy efficiency and demand incentive allowance							-
105		Quality incentive adjustment							-
106		Other financial incentives							-
107		Financial incentives							-
108									
109		Impact of financial incentives on ROI							-
110									
111		Input methodology claw-back							(15,780)
112		Recoverable customised price-quality path costs							-
113		Catastrophic event allowance							-
114		Capex wash-up adjustment							-
115		Transmission asset wash-up adjustment							-
116		2013–2015 NPV wash-up allowance							-
117		Reconsideration event allowance							-
118		Other wash-ups							-
119		Wash-up costs							(15,780)
120									
121		Impact of wash-up costs on ROI							-0.45%

SCHEDULE 3: REPORT ON REGULATORY PROFIT

This schedule requires information on the calculation of regulatory profit for the EDB for the disclosure year. All EDBs must complete all sections and provide explanatory comment on their regulatory profit in Schedule 14 (Mandatory Explanatory Notes).
This information is part of audited disclosure information (as defined in section 1.4 of the ID determination), and so is subject to the assurance report required by section 2.8.

sch ref

		(\$000)
7	3(i): Regulatory Profit	
8	Income	
9	Line charge revenue	625,681
10	plus Gains / (losses) on asset disposals	(9,004)
11	plus Other regulated income (other than gains / (losses) on asset disposals)	185
12		
13	Total regulatory income	616,862
14	Expenses	
15	less Operational expenditure	112,188
16		
17	less Pass-through and recoverable costs excluding financial incentives and wash-ups	228,553
18		
19	Operating surplus / (deficit)	276,121
20		
21	less Total depreciation	92,306
22		
23	plus Total revaluations	2,188
24		
25	Regulatory profit / (loss) before tax	186,003
26		
27	less Term credit spread differential allowance	520
28		
29	less Regulatory tax allowance	46,175
30		
31	Regulatory profit/(loss) including financial incentives and wash-ups	139,308
32		
33	3(ii): Pass-through and Recoverable Costs excluding Financial Incentives and Wash-Ups	(\$000)
34	Pass through costs	
35	Rates	8,353
36	Commerce Act levies	1,271
37	Industry levies	1,916
38	CPP specified pass through costs	-
39	Recoverable costs excluding financial incentives and wash-ups	
40	Electricity lines service charge payable to Transpower	194,113
41	Transpower new investment contract charges	12,381
42	System operator services	-
43	Distributed generation allowance	10,519
44	Extended reserves allowance	-
45	Other recoverable costs excluding financial incentives and wash-ups	-
46	Pass-through and recoverable costs excluding financial incentives and wash-ups	228,553
47		
48	3(iii): Incremental Rolling Incentive Scheme	(\$000)
49		
50		CY-1 CY
51		31 Mar 14 31 Mar 15
52	Allowed controllable opex	-
53	Actual controllable opex	-
54	Incremental change in year	-
55		
56		Previous years' Previous years'
57		incremental incremental
58		change change adjusted
59		for inflation
60	CY-5 31 Mar 10	-
61	CY-4 31 Mar 11	-
62	CY-3 31 Mar 12	-
63	CY-2 31 Mar 13	-
64	CY-1 31 Mar 14	-
65	Net incremental rolling incentive scheme	-
66		
67	Net recoverable costs allowed under incremental rolling incentive scheme	-
68		
69	3(iv): Merger and Acquisition Expenditure	(\$000)
70		
71	Merger and acquisition expenditure	-
72		
73	<i>Provide commentary on the benefits of merger and acquisition expenditure to the electricity distribution business, including required disclosures in accordance with section 2.7, in Schedule 14 (Mandatory Explanatory Notes)</i>	
74		
75	3(v): Other Disclosures	(\$000)
76		
77	Self-insurance allowance	-

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. EDBs must provide explanatory comment on the value of their RAB in Schedule 14 (Mandatory Explanatory Notes). This information is part of audited disclosure information (as defined in section 1.4 of the ID determination), and so is subject to the assurance report required by section 2.8.

sch ref

4(i): Regulatory Asset Base Value (Rolled Forward)

	for year ended				
	RAB 31 Mar 11 (\$000)	RAB 31 Mar 12 (\$000)	RAB 31 Mar 13 (\$000)	RAB 31 Mar 14 (\$000)	RAB 31 Mar 15 (\$000)
Total opening RAB value	2,364,452	2,453,324	2,489,280	2,536,404	2,618,855
less Total depreciation	82,989	87,420	84,718	90,831	92,306
plus Total revaluations	56,914	38,147	21,339	38,684	2,188
plus Assets commissioned	121,346	102,442	113,902	143,062	137,234
less Asset disposals	7,255	17,091	3,348	8,447	9,360
plus Lost and found assets adjustment	-	-	-	-	-
plus Adjustment resulting from asset allocation	856	(122)	(51)	(17)	(195)
Total closing RAB value	2,453,324	2,489,280	2,536,404	2,618,855	2,656,416

4(ii): Unallocated Regulatory Asset Base

	Unallocated RAB * (\$000)	RAB (\$000)
Total opening RAB value	2,628,102	2,618,855
less Total depreciation	95,235	92,306
plus Total revaluations	2,196	2,188
plus Assets commissioned (other than below)	141,048	137,234
Assets acquired from a regulated supplier		
Assets acquired from a related party		
Assets commissioned	141,048	137,234
less Asset disposals (other than below)	9,360	9,360
Asset disposals to a regulated supplier		
Asset disposals to a related party		
Asset disposals	9,360	9,360
plus Lost and found assets adjustment	-	-
plus Adjustment resulting from asset allocation		(195)
Total closing RAB value	2,666,751	2,656,416

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

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

CPI _t	1.193
CPI _{t-1}	1.192
Revaluation rate (%)	0.08%

	Unallocated RAB * (\$000)	RAB (\$000)
Total opening RAB value	2,628,102	2,618,855
less Opening value of fully depreciated, disposed and lost assets	10,592	10,313
Total opening RAB value subject to revaluation	2,617,510	2,608,542
Total revaluations	2,196	2,188

4(iv): Roll Forward of Works Under Construction

	Unallocated works under construction	Allocated works under construction
Works under construction—preceding disclosure year	56,919	56,332
plus Capital expenditure	136,025	130,910
less Assets commissioned	141,048	137,234
plus Adjustment resulting from asset allocation		(71)
Works under construction - current disclosure year	51,896	49,937
Highest rate of capitalised finance applied		6.82%

4(v): Regulatory Depreciation

	Unallocated RAB * (\$000)	RAB (\$000)
Depreciation - standard	77,813	77,813
Depreciation - no standard life assets	17,422	14,493
Depreciation - modified life assets		
Depreciation - alternative depreciation in accordance with CPP		
Total depreciation	95,235	92,306

4(vi): Disclosure of Changes to Depreciation Profiles

(\$000 unless otherwise specified)

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

* include additional rows if needed

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. EDBs must provide explanatory comment on the value of their RAB in Schedule 14 (Mandatory Explanatory Notes). This information is part of audited disclosure information (as defined in section 1.4 of the ID determination), and so is subject to the assurance report required by section 2.8.

sch ref

96 97 98		4(vii): Disclosure by Asset Category									
		(\$000 unless otherwise specified)									
		Subtransmission lines	Subtransmission cables	Zone substations	Distribution and LV lines	Distribution and LV cables	Distribution substations and transformers	Distribution switchgear	Other network assets	Non-network assets	Total
99		82,131	407,043	211,667	274,089	738,040	256,485	140,258	480,265	28,877	2,618,855
100	less	2,110	11,056	8,149	8,382	24,039	8,237	6,365	15,287	8,681	92,306
101	plus	69	340	176	228	619	214	116	403	23	2,188
102	plus	50	1,267	27,206	20,267	19,557	10,309	14,334	35,551	8,693	137,234
103	less	13	1,155	1,568	1,959	391	1,949	1,964	361	-	9,360
104	plus	-	-	-	-	-	-	-	-	-	-
105	plus	-	-	-	-	-	-	-	-	(195)	(195)
106	plus	(12)	12	-	-	-	-	-	(5,830)	5,830	-
107		80,115	396,451	229,332	284,243	733,786	256,822	146,379	494,741	34,547	2,656,416
108		Asset Life									
109											
110		47	48	34	41	37	36	28	34	13	(years)
111		59	69	44	58	61	45	38	43	19	(years)

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). EDBs must provide explanatory commentary on the information disclosed in this schedule, in Schedule 14 (Mandatory Explanatory Notes).

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

sch ref

		(\$000)	
7	5a(i): Regulatory Tax Allowance		
8	Regulatory profit / (loss) before tax		186,003
9			
10	<i>plus</i> Income not included in regulatory profit / (loss) before tax but taxable	8,852	*
11	Expenditure or loss in regulatory profit / (loss) before tax but not deductible	917	*
12	Amortisation of initial differences in asset values	34,974	
13	Amortisation of revaluations	6,523	
14			51,266
15			
16	<i>less</i> Total revaluations	2,188	
17	Income included in regulatory profit / (loss) before tax but not taxable	22	*
18	Discretionary discounts and customer rebates		
19	Expenditure or loss deductible but not in regulatory profit / (loss) before tax		*
20	Notional deductible interest	70,147	
21			72,358
22			
23	Regulatory taxable income		164,912
24			
25	<i>less</i> Utilised tax losses	-	
26	Regulatory net taxable income		164,912
27			
28	Corporate tax rate (%)	28%	
29	Regulatory tax allowance		46,175

* Workings to be provided in Schedule 14

5a(ii): Disclosure of Permanent Differences

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

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

(\$000)

36	Opening unamortised initial differences in asset values	1,224,091	
37	<i>less</i> Amortisation of initial differences in asset values	34,974	
38	<i>plus</i> Adjustment for unamortised initial differences in assets acquired		
39	<i>less</i> Adjustment for unamortised initial differences in assets disposed	317	
40	Closing unamortised initial differences in asset values		1,188,800
41			
42	Opening weighted average remaining useful life of relevant assets (years)		35
43			

Company Name **Vector**
 For Year Ended **31 March 2015**

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). EDBs 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 7.0

sch ref

44	5a(iv): Amortisation of Revaluations		(\$000)
45			
46	Opening sum of RAB values without revaluations	2,433,574	
47			
48	Adjusted depreciation	85,783	
49	Total depreciation	92,306	
50	Amortisation of revaluations		6,523
51			
52	5a(v): Reconciliation of Tax Losses		(\$000)
53			
54	Opening tax losses		
55	plus Current period tax losses		
56	less Utilised tax losses		
57	Closing tax losses		-
58	5a(vi): Calculation of Deferred Tax Balance		(\$000)
59			
60	Opening deferred tax	(52,259)	
61			
62	plus Tax effect of adjusted depreciation	24,019	
63			
64	less Tax effect of tax depreciation	24,960	
65			
66	plus Tax effect of other temporary differences*	(548)	
67			
68	less Tax effect of amortisation of initial differences in asset values	9,793	
69			
70	plus Deferred tax balance relating to assets acquired in the disclosure year		
71			
72	less Deferred tax balance relating to assets disposed in the disclosure year	(1,325)	
73			
74	plus Deferred tax cost allocation adjustment	(112)	
75			
76	Closing deferred tax		(62,328)
77			
78	5a(vii): Disclosure of Temporary Differences		
79	<i>In Schedule 14, Box 6, provide descriptions and workings of items recorded in the asterisked category in Schedule 5a(vi) (Tax effect of other temporary differences).</i>		
80			
81	5a(viii): Regulatory Tax Asset Base Roll-Forward		
82			(\$000)
83	Opening sum of regulatory tax asset values	1,019,726	
84	less Tax depreciation	89,144	
85	plus Regulatory tax asset value of assets commissioned	122,864	
86	less Regulatory tax asset value of asset disposals	3,712	
87	plus Lost and found assets adjustment		
88	plus Adjustment resulting from asset allocation	(595)	
89	plus Other adjustments to the RAB tax value		
90	Closing sum of regulatory tax asset values		1,049,139

Company Name **Vector**
 For Year Ended **31 March 2015**

SCHEDULE 5b: REPORT ON RELATED PARTY TRANSACTIONS

This schedule provides information on the valuation of related party transactions, in accordance with section 2.3.6 and 2.3.7 of the ID determination.
 This information is part of audited disclosure information (as defined in section 1.4 of the ID determination), and so is subject to the assurance report required by section 2.8.

sch ref

7 5b(i): Summary—Related Party Transactions		(\$000)
8	Total regulatory income	-
9	Operational expenditure	12,547
10	Capital expenditure	-
11	Market value of asset disposals	-
12	Other related party transactions	-

13 5b(ii): Entities Involved in Related Party Transactions	
14 Name of related party	Related party relationship
15 Vector Communications Limited	A wholly owned subsidiary of Vector Limited.
16 Tree Scape Limited	An associate in which Vector Limited holds a 50% interest.
17	
18	
19	

* include additional rows if needed

21 5b(iii): Related Party Transactions				
22 Name of related party	Related party transaction type	Description of transaction	Value of transaction (\$000)	Basis for determining value
23 Vector Communications Limited	Opex	Purchase of telecommunications services	8,696	ID clause 2.3.6(1)(c)(i)
24 Tree Scape Limited	Opex	Purchase of vegetation management services	3,851	ID clause 2.3.6(1)(d)
25	[Select one]			[Select one]
26	[Select one]			[Select one]
27	[Select one]			[Select one]
28	[Select one]			[Select one]
29	[Select one]			[Select one]
30	[Select one]			[Select one]
31	[Select one]			[Select one]
32	[Select one]			[Select one]
33	[Select one]			[Select one]
34	[Select one]			[Select one]
35	[Select one]			[Select one]
36	[Select one]			[Select one]
37	[Select one]			[Select one]

* include additional rows if needed

SCHEDULE 5d: REPORT ON COST ALLOCATIONS

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

sch ref

7 Sd(i): Operating Cost Allocations

		Value allocated (\$000s)				OVABAA allocation increase (\$000s)
	Arm's length deduction	Electricity distribution services	Non-electricity distribution services	Total		
Service interruptions and emergencies						
11	Directly attributable		12,225			
12	Not directly attributable	-	-	-	-	-
13	Total attributable to regulated service		12,225			
Vegetation management						
15	Directly attributable		3,673			
16	Not directly attributable	-	-	-	-	-
17	Total attributable to regulated service		3,673			
Routine and corrective maintenance and inspection						
19	Directly attributable		13,379			
20	Not directly attributable	-	-	-	-	-
21	Total attributable to regulated service		13,379			
Asset replacement and renewal						
23	Directly attributable		12,854			
24	Not directly attributable	-	-	-	-	-
25	Total attributable to regulated service		12,854			
System operations and network support						
27	Directly attributable		33,612			
28	Not directly attributable	-	5,525	2,028	7,553	-
29	Total attributable to regulated service		39,137			
Business support						
31	Directly attributable		2,205			
32	Not directly attributable	-	28,715	19,977	48,692	-
33	Total attributable to regulated service		30,920			
35	Operating costs directly attributable		77,948			
36	Operating costs not directly attributable	-	34,240	22,005	56,245	-
37	Operational expenditure		112,188			

39 Sd(ii): Other Cost Allocations

		(\$000)
Pass through and recoverable costs		
Pass through costs		
42	Directly attributable	11,540
43	Not directly attributable	-
44	Total attributable to regulated service	11,540
Recoverable costs		
46	Directly attributable	217,013
47	Not directly attributable	-
48	Total attributable to regulated service	217,013

50 Sd(iii): Changes in Cost Allocations* †

		(\$000)	
		CY-1	Current Year (CY)
Change in cost allocation 1			
53	Cost category		
54	Original allocator or line items		
55	New allocator or line items		
56			
57	Rationale for change		
58			
Change in cost allocation 2			
62	Cost category		
63	Original allocator or line items		
64	New allocator or line items		
65			
66	Rationale for change		
67			
Change in cost allocation 3			
71	Cost category		
72	Original allocator or line items		
73	New allocator or line items		
74			
75	Rationale for change		
76			

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

† include additional rows if needed

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

sch ref

5e(i): Regulated Service Asset Values

	Value allocated (\$000s)
Electricity distribution services	
Subtransmission lines	
Directly attributable	80,115
Not directly attributable	-
Total attributable to regulated service	80,115
Subtransmission cables	
Directly attributable	396,451
Not directly attributable	-
Total attributable to regulated service	396,451
Zone substations	
Directly attributable	229,332
Not directly attributable	-
Total attributable to regulated service	229,332
Distribution and LV lines	
Directly attributable	284,243
Not directly attributable	-
Total attributable to regulated service	284,243
Distribution and LV cables	
Directly attributable	733,786
Not directly attributable	-
Total attributable to regulated service	733,786
Distribution substations and transformers	
Directly attributable	256,822
Not directly attributable	-
Total attributable to regulated service	256,822
Distribution switchgear	
Directly attributable	146,379
Not directly attributable	-
Total attributable to regulated service	146,379
Other network assets	
Directly attributable	494,741
Not directly attributable	-
Total attributable to regulated service	494,741
Non-network assets	
Directly attributable	16,243
Not directly attributable	18,304
Total attributable to regulated service	34,547
Regulated service asset value directly attributable	2,638,112
Regulated service asset value not directly attributable	18,304
Total closing RAB value	2,656,416

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

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

* 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 compone
 † include additional rows if needed

Company Name **Vector**
 For Year Ended **31 March 2015**

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. EDBs must provide explanatory comment on their expenditure on assets in Schedule 14 (Explanatory Notes to Templates). This information is part of audited disclosure information (as defined in section 1.4 of the ID determination), and so is subject to the assurance report required by section 2.8.

sch ref

		(\$000)	(\$000)
7	6a(i): Expenditure on Assets		
8	Consumer connection		39,146
9	System growth		28,441
10	Asset replacement and renewal		69,913
11	Asset relocations		14,249
12	Reliability, safety and environment:		
13	Quality of supply	1,842	
14	Legislative and regulatory	1,248	
15	Other reliability, safety and environment	327	
16	Total reliability, safety and environment		3,417
17	Expenditure on network assets		155,166
18	Expenditure on non-network assets		9,019
19			
20	Expenditure on assets		164,185
21	plus Cost of financing		3,898
22	less Value of capital contributions		37,173
23	plus Value of vested assets		-
24			
25	Capital expenditure		130,910
26	6a(ii): Subcomponents of Expenditure on Assets (where known)		(\$000)
27	Energy efficiency and demand side management, reduction of energy losses		-
28	Overhead to underground conversion		6,712
29	Research and development		4,643
30	6a(iii): Consumer Connection		
31	<i>Consumer types defined by EDB*</i>	(\$000)	(\$000)
32	Service connection	8,681	
33	Customer substations	6,349	
34	Business subdivisions	2,093	
35	Residential subdivisions	17,525	
36	Capacity change	3,979	
37	Street lighting	477	
38	Easement costs	42	
39	<i>* include additional rows if needed</i>		
40	Consumer connection expenditure		39,146
41	less Capital contributions funding consumer connection expenditure	25,513	
42	Consumer connection less capital contributions		13,633
43			
44	6a(iv): System Growth and Asset Replacement and Renewal		
45		System Growth	Asset Replacement and Renewal
46		(\$000)	(\$000)
47	Subtransmission	6,267	11,300
48	Zone substations	11,333	14,013
49	Distribution and LV lines	413	20,919
50	Distribution and LV cables	6,186	5,388
51	Distribution substations and transformers	1,228	6,014
52	Distribution switchgear	362	5,476
53	Other network assets	2,652	6,803
54	System growth and asset replacement and renewal expenditure	28,441	69,913
55	less Capital contributions funding system growth and asset replacement and renewal	2,962	73
56	System growth and asset replacement and renewal less capital contributions	25,479	69,840
57			
58	6a(v): Asset Relocations		
59	<i>Project or programme*</i>	(\$000)	(\$000)
60		-	
61		-	
62		-	
63	<i>* include additional rows if needed</i>		
64	All other projects or programmes - asset relocations	14,249	
65	Asset relocations expenditure		14,249
66	less Capital contributions funding asset relocations	8,625	
67	Asset relocations less capital contributions		5,624

Company Name

Vector

For Year Ended

31 March 2015

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

This schedule requires a breakdown of operational expenditure incurred in the disclosure year.

EDBs must provide explanatory comment on their operational expenditure in Schedule 14 (Explanatory notes to templates). This includes explanatory comment on any atypical operational expenditure and assets replaced or renewed as part of asset replacement and renewal operational expenditure, and additional information on insurance.

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

sch ref

		(\$000)	(\$000)
7	6b(i): Operational Expenditure		
8	Service interruptions and emergencies	12,225	
9	Vegetation management	3,673	
10	Routine and corrective maintenance and inspection	13,379	
11	Asset replacement and renewal	12,854	
12	Network opex		42,131
13	System operations and network support	39,137	
14	Business support	30,920	
15	Non-network opex		70,057
16			
17	Operational expenditure		112,188
18	6b(ii): Subcomponents of Operational Expenditure (where known)		
19	Energy efficiency and demand side management, reduction of energy losses		–
20	Direct billing*		–
21	Research and development		639
22	Insurance		2,586
23	* Direct billing expenditure by suppliers that directly bill the majority of their consumers		

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.

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

sch ref

7	7(i): Revenue	Target (\$000) ¹	Actual (\$000)	% variance
8	Line charge revenue	644,766	625,681	(3%)
9	7(ii): Expenditure on Assets	Forecast (\$000) ²	Actual (\$000)	% variance
10	Consumer connection	32,004	39,146	22%
11	System growth	45,751	28,441	(38%)
12	Asset replacement and renewal	63,684	69,913	10%
13	Asset relocations	20,641	14,249	(31%)
14	Reliability, safety and environment:			
15	Quality of supply	3,434	1,842	(46%)
16	Legislative and regulatory	2,386	1,248	(48%)
17	Other reliability, safety and environment	7,371	327	(96%)
18	Total reliability, safety and environment	13,191	3,417	(74%)
19	Expenditure on network assets	175,271	155,166	(11%)
20	Expenditure on non-network assets	11,774	9,019	(23%)
21	Expenditure on assets	187,045	164,185	(12%)
22	7(iii): Operational Expenditure			
23	Service interruptions and emergencies	7,744	12,225	58%
24	Vegetation management	4,902	3,673	(25%)
25	Routine and corrective maintenance and inspection	14,980	13,379	(11%)
26	Asset replacement and renewal	14,322	12,854	(10%)
27	Network opex	41,948	42,131	0%
28	System operations and network support	44,422	39,137	(12%)
29	Business support	31,707	30,920	(2%)
30	Non-network opex	76,129	70,057	(8%)
31	Operational expenditure	118,077	112,188	(5%)
32	7(iv): Subcomponents of Expenditure on Assets (where known)			
33	Energy efficiency and demand side management, reduction of energy losses	3,079	-	(100%)
34	Overhead to underground conversion	13,428	6,712	(50%)
35	Research and development	1,892	4,643	145%
36				
37	7(v): Subcomponents of Operational Expenditure (where known)			
38	Energy efficiency and demand side management, reduction of energy losses	-	-	-
39	Direct billing	-	-	-
40	Research and development	-	639	-
41	Insurance	2,915	2,586	(11%)

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

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

SCHEDULE 8: REPORT ON BILLED QUANTITIES AND LINE CHARGE REVENUES

This schedule requires the billed quantities and associated line charge revenues for each price category code used by the EDB in its pricing schedules. Information is also required on the number of ICPs that are included in each consumer group or price category code, and the energy delivered to these ICPs.

sch ref

8(i): Billed Quantities by Price Component

Consumer group name or price category code	Consumer type or types (eg, residential, commercial etc.)	Standard or non-standard consumer group (specify)	Average no. of ICPs in disclosure year	Energy delivered to ICPs in disclosure year (MWh)
ARCL	residential	Standard	105,855	543,107
ARCS	residential	Standard	115,628	1,017,352
ARUL	residential	Standard	32,706	133,943
ARUS	residential	Standard	28,200	213,643
ARHL	residential	Standard	-	-
ARHS	residential	Standard	-	-
ABSN	business	Standard	36,070	779,494
ABSU	business	Standard	1,896	37,038
ALVN	low voltage	Standard	2,023	215,420
ALVH	low voltage	Standard	1,463	574,994
ATXN	transformer	Standard	154	20,917
ATXH	transformer	Standard	835	1,070,277
AHVN	high voltage	Standard	9	1,781
AH VH	high voltage	Standard	122	425,862
NS	non-standard	Non-standard	35	705,094
Add extra rows for additional consumer groups or price category codes as necessary				
Standard consumer totals			324,961	5,033,828
Non-standard consumer totals			35	705,094
Total for all consumers			324,996	5,738,922

Billed quantities by price component						
Price component	Fixed	Variable	Capacity	Demand	Excess demand	Power factor
	Day	kWh	kVA/Day	kVA/Day	kVA/Day	kVAR/Day
	37,508,554	543,106,965	-	-	-	-
	40,355,011	1,017,352,355	-	-	-	-
	11,719,225	133,942,710	-	-	-	-
	9,714,212	213,643,310	-	-	-	-
	-	-	-	-	-	-
	-	-	-	-	-	-
	-	-	-	-	-	-
	-	-	-	-	-	-
	12,349,743	779,494,433	-	-	-	-
	22,667,222	37,037,764	-	-	-	-
	686,911	215,420,181	102,643,879	-	-	546,105
	-	574,994,197	129,928,983	51,124,341	-	6,802,939
	52,593	20,916,857	13,432,742	-	-	106,055
	-	1,070,276,997	204,951,520	85,461,970	-	6,374,877
	2,811	1,780,709	1,187,193	-	-	14,311
	-	425,862,474	53,265,365	33,316,892	254,168	1,934,153
	23,216	4,902,218	28,800	12,826	-	16,988
	135,056,282	5,033,828,952	505,409,682	169,903,203	254,168	15,778,440
	23,216	4,902,218	28,800	12,826	-	16,988
	135,079,498	5,038,731,170	505,438,482	169,916,029	254,168	15,795,428

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

8(ii): Line Charge Revenues (\$000) by Price Component

Consumer group name or price category code	Consumer type or types (eg, residential, commercial etc.)	Standard or non-standard consumer group (specify)	Total line charge revenue in disclosure year	Notional revenue foregone (if applicable)
ARCL	residential	Standard	\$56,453	-
ARCS	residential	Standard	\$97,783	-
ARUL	residential	Standard	\$15,520	-
ARUS	residential	Standard	\$23,545	-
ARHL	residential	Standard	-	-
ARHS	residential	Standard	-	-
ABSN	business	Standard	\$65,548	-
ABSU	business	Standard	\$6,084	-
ALVN	low voltage	Standard	\$19,264	-
ALVH	low voltage	Standard	\$32,988	-
ATXN	transformer	Standard	\$1,901	-
ATXH	transformer	Standard	\$53,558	-
AHVN	high voltage	Standard	\$157	-
AH VH	high voltage	Standard	\$20,145	-
NS	non-standard	Non-standard	\$24,020	-
Add extra rows for additional consumer groups or price category codes as necessary				
Standard consumer totals			\$392,946	-
Non-standard consumer totals			\$24,020	-
Total for all consumers			\$416,966	-

Line charge revenues (\$000) by price component						
Price component	Fixed	Variable	Capacity	Demand	Excess demand	Power factor
	Day	kWh	kVA/Day	kVA/Day	kVA/Day	kVAR/Day
	6,280	50,173	-	-	-	-
	34,709	63,074	-	-	-	-
	1,928	13,592	-	-	-	-
	8,349	15,196	-	-	-	-
	-	-	-	-	-	-
	-	-	-	-	-	-
	-	-	-	-	-	-
	-	-	-	-	-	-
	11,181	54,367	-	-	-	-
	3,240	2,844	-	-	-	-
	1,140	14,535	3,430	-	-	159
	-	10,464	4,459	16,037	-	2,028
	83	1,369	419	-	-	30
	-	18,817	6,695	26,143	-	1,903
	4	113	36	-	-	4
	-	7,442	1,763	10,162	200	578
	23,624	98	31	128	-	139
	\$66,914	\$251,986	\$16,802	\$52,342	\$200	\$4,702
	\$23,629	\$98	\$31	\$128	-	\$139
	\$90,538	\$252,084	\$16,833	\$52,470	\$200	\$4,841

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

8(iii): Number of ICPs directly billed

Number of directly billed ICPs at year end

Check

SCHEDULE 8: REPORT ON BILLED QUANTITIES AND LINE CHARGE REVENUES

This schedule requires the billed quantities and associated line charge revenues for each price category code used by the EDB in its pricing schedules. Information is also required on the number of ICPs that are included in each consumer group or price category code, and the energy delivered to these ICPs.

sch ref

8(i): Billed Quantities by Price Component

Consumer group name or price category code	Consumer type or types (eg, residential, commercial etc.)	Standard or non-standard consumer group (specify)	Average no. of ICPs in disclosure year	Energy delivered to ICPs in disclosure year (MWh)
WRCL	residential	Standard	75,145	399,588
WRCS	residential	Standard	88,608	805,830
WRUL	residential	Standard	12,205	60,291
WRUS	residential	Standard	16,346	132,176
WRHL	residential	Standard	-	-
WRHS	residential	Standard	-	-
WBSN	business	Standard	21,563	394,042
WBSU	business	Standard	308	18,841
WLVN	low voltage	Standard	791	132,150
WLVH	low voltage	Standard	179	99,095
WTXN	transformer	Standard	140	41,855
WTXH	transformer	Standard	233	350,873
WHVN	high voltage	Standard	-	1
WHVH	high voltage	Standard	15	97,836
NS	non-standard	Non-standard	10	91,654
<i>Add extra rows for additional consumer groups or price category codes as necessary</i>				
Standard consumer totals			215,533	2,532,578
Non-standard consumer totals			10	91,654
Total for all consumers			215,543	2,624,232

Unit charging basis (eg, days, kW of demand, kVA of capacity, etc.)

Billed quantities by price component

Price component	Fixed	Variable	Capacity	Demand	Excess demand	Power factor
	Day	kWh	kVA/Day	kVA/Day	kVA/Day	kVA/Day
	27,487,347	399,588,196	-	-	-	-
	32,310,127	805,830,459	-	-	-	-
	4,461,250	60,291,033	-	-	-	-
	5,938,466	132,176,178	-	-	-	-
	-	-	-	-	-	-
	-	-	-	-	-	-
	7,887,470	394,041,748	-	-	-	-
	12,700,546	18,840,924	-	-	-	-
	288,511	132,150,318	41,326,803	-	-	528,064
	65,357	99,094,867	16,327,786	7,528,017	-	676,302
	51,041	41,855,065	13,992,729	-	-	437,755
	84,929	350,872,878	65,085,190	27,935,680	-	1,555,345
	22	550	154	-	-	-
	5,475	97,835,946	11,077,750	6,663,134	947	190,337
	5,963	-	-	-	-	1,606
	91,280,541	2,532,578,162	147,810,412	42,126,831	947	3,387,803
	5,963	-	-	-	-	1,606
	91,286,504	2,532,578,162	147,810,412	42,126,831	947	3,389,409

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

8(ii): Line Charge Revenues (\$000) by Price Component

Consumer group name or price category code	Consumer type or types (eg, residential, commercial etc.)	Standard or non-standard consumer group (specify)	Total line charge revenue in disclosure year	Notional revenue foregone (if applicable)
WRCL	residential	Standard	\$41,084	
WRCS	residential	Standard	\$76,329	
WRUL	residential	Standard	\$6,798	
WRUS	residential	Standard	\$14,272	
WRHL	residential	Standard	-	
WRHS	residential	Standard	-	
WBSN	business	Standard	\$34,239	
WBSU	business	Standard	\$3,335	
WLVN	low voltage	Standard	\$8,622	
WLVH	low voltage	Standard	\$3,873	
WTXN	transformer	Standard	\$2,355	
WTXH	transformer	Standard	\$12,024	
WHVN	high voltage	Standard	-	
WHVH	high voltage	Standard	\$2,630	
NS	non-standard	Non-standard	\$3,154	
<i>Add extra rows for additional consumer groups or price category codes as necessary</i>				
Standard consumer totals			\$205,561	-
Non-standard consumer totals			\$3,154	-
Total for all consumers			\$208,715	-

Total distribution line charge revenue	Total transmission line charge revenue (if available)
\$25,821	15,263
\$47,972	28,357
\$4,272	2,526
\$8,970	5,302
-	-
-	-
\$21,519	12,720
\$2,096	1,239
\$5,419	3,203
\$2,435	1,438
\$1,480	875
\$7,557	4,467
-	-
\$1,653	977
\$2,128	1,026
\$129,194	\$76,367
\$2,128	\$1,026
\$131,322	\$77,393

Line charge revenues (\$000) by price component

Price component

Rate (eg, \$/day, \$/kWh, etc.)

Price component	Fixed	Variable	Capacity	Demand	Excess demand	Power factor
	Day	kWh	kVA/Day	kVA/Day	kVA/Day	kVA/Day
	4,103	36,981	-	-	-	-
	27,332	48,997	-	-	-	-
	666	6,132	-	-	-	-
	5,025	9,247	-	-	-	-
	-	-	-	-	-	-
	-	-	-	-	-	-
	6,672	27,567	-	-	-	-
	1,769	1,566	-	-	-	-
	1,579	6,102	788	-	-	153
	674	591	302	2,110	-	196
	252	1,741	236	-	-	126
	788	2,092	1,107	7,586	-	451
	-	-	-	-	-	-
	49	584	183	1,758	1	55
	3,141	-	-	-	-	13
	\$48,909	\$141,600	\$2,616	\$11,454	\$1	\$981
	\$3,141	-	-	-	-	\$13
	\$52,050	\$141,600	\$2,616	\$11,454	\$1	\$994

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

8(iii): Number of ICPs directly billed

Number of directly billed ICPs at year end

Check

Company Name	Vector
For Year Ended	31 March 2015
Network / Sub-network Name	Vector

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. All units relating to cable and line assets, that are expressed in km, refer to circuit lengths.

sch ref	Voltage	Asset category	Asset class	Units	Items at start of	Items at end of	Net change	Data accuracy
					year (quantity)	year (quantity)		(1-4)
8	All	Overhead Line	Concrete poles / steel structure	No.	108,914	109,246	332	3
9	All	Overhead Line	Wood poles	No.	8,066	7,627	(439)	3
10	All	Overhead Line	Other pole types	No.	41	105	64	4
11	HV	Subtransmission Line	Subtransmission OH up to 66kV conductor	km	376	375	(1)	3
12	HV	Subtransmission Line	Subtransmission OH 110kV+ conductor	km	27	27	-	4
13	HV	Subtransmission Cable	Subtransmission UG up to 66kV (XLPE)	km	299	329	30	4
14	HV	Subtransmission Cable	Subtransmission UG up to 66kV (Oil pressurised)	km	151	145	(6)	4
15	HV	Subtransmission Cable	Subtransmission UG up to 66kV (Gas pressurised)	km	5	5	0	4
16	HV	Subtransmission Cable	Subtransmission UG up to 66kV (PILC)	km	54	49	(5)	4
17	HV	Subtransmission Cable	Subtransmission UG 110kV+ (XLPE)	km	30	30	(0)	4
18	HV	Subtransmission Cable	Subtransmission UG 110kV+ (Oil pressurised)	km	17	17	0	4
19	HV	Subtransmission Cable	Subtransmission UG 110kV+ (Gas Pressurised)	km	-	-	-	N/A
20	HV	Subtransmission Cable	Subtransmission UG 110kV+ (PILC)	km	-	-	-	N/A
21	HV	Subtransmission Cable	Subtransmission submarine cable	km	14	12	(2)	4
22	HV	Zone substation Buildings	Zone substations up to 66kV	No.	98	100	2	4
23	HV	Zone substation Buildings	Zone substations 110kV+	No.	7	7	-	4
24	HV	Zone substation switchgear	50/66/110kV CB (Indoor)	No.	9	13	4	4
25	HV	Zone substation switchgear	50/66/110kV CB (Outdoor)	No.	2	2	-	4
26	HV	Zone substation switchgear	33kV Switch (Ground Mounted)	No.	-	-	-	N/A
27	HV	Zone substation switchgear	33kV Switch (Pole Mounted)	No.	213	198	(15)	3
28	HV	Zone substation switchgear	33kV RMU	No.	11	14	3	3
29	HV	Zone substation switchgear	22/33kV CB (Indoor)	No.	215	249	34	3
30	HV	Zone substation switchgear	22/33kV CB (Outdoor)	No.	188	167	(21)	3
31	HV	Zone substation switchgear	3.3/6.6/11/22kV CB (ground mounted)	No.	1,326	1,339	13	3
32	HV	Zone substation switchgear	3.3/6.6/11/22kV CB (pole mounted)	No.	-	-	-	N/A
33	HV	Zone Substation Transformer	Zone Substation Transformers	No.	206	210	4	3
34	HV	Distribution Line	Distribution OH Open Wire Conductor	km	3,824	3,814	(10)	3
35	HV	Distribution Line	Distribution OH Aerial Cable Conductor	km	-	-	-	N/A
36	HV	Distribution Line	SWER conductor	km	-	-	-	N/A
37	HV	Distribution Cable	Distribution UG XLPE or PVC	km	1,177	1,233	56	4
38	HV	Distribution Cable	Distribution UG PILC	km	2,273	2,259	(14)	4
39	HV	Distribution Cable	Distribution Submarine Cable	km	8	8	(0)	4
40	HV	Distribution switchgear	3.3/6.6/11/22kV CB (pole mounted) - reclosers and sectionalisers	No.	274	274	-	3
41	HV	Distribution switchgear	3.3/6.6/11/22kV CB (Indoor)	No.	126	154	28	4
42	HV	Distribution switchgear	3.3/6.6/11/22kV Switches and fuses (pole mounted)	No.	8,757	9,042	285	3
43	HV	Distribution switchgear	3.3/6.6/11/22kV Switch (ground mounted) - except RMU	No.	3,917	3,650	(267)	3
44	HV	Distribution switchgear	3.3/6.6/11/22kV RMU	No.	5,972	5,766	(206)	3
45	HV	Distribution Transformer	Pole Mounted Transformer	No.	7,692	7,660	(32)	3
46	HV	Distribution Transformer	Ground Mounted Transformer	No.	13,506	13,668	162	3
47	HV	Distribution Transformer	Voltage regulators	No.	12	12	-	3
48	HV	Distribution Substations	Ground Mounted Substation Housing	No.	12,226	12,370	144	3
49	LV	LV Line	LV OH Conductor	km	4,168	4,159	(8)	3
50	LV	LV Cable	LV UG Cable	km	5,538	5,654	115	3
51	LV	LV Street lighting	LV OH/UG Streetlight circuit	km	389	400	11	4
52	LV	Connections	OH/UG consumer service connections	No.	537,757	542,826	5,069	3
53	All	Protection	Protection relays (electromechanical, solid state and numeric)	No.	3,201	3,046	(155)	2
54	All	SCADA and communications	SCADA and communications equipment operating as a single system	Lot	231	231	-	2
55	All	Capacitor Banks	Capacitors including controls	No.	103	104	1	3
56	All	Load Control	Centralised plant	Lot	32	32	-	4
57	All	Load Control	Relays	No.	-	-	-	N/A
58	All	Civils	Cable Tunnels	km	10	10	-	4

Company Name	Vector
For Year Ended	31 March 2015
Network / Sub-network Name	Northern

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. All units relating to cable and line assets, that are expressed in km, refer to circuit lengths.

sch ref

8	Voltage	Asset category	Asset class	Units	Items at start of	Items at end of	Net change	Data accuracy
					year (quantity)	year (quantity)		1-4
9	All	Overhead Line	Concrete poles / steel structure	No.	62,713	62,874	161	3
10	All	Overhead Line	Wood poles	No.	2,671	2,578	(93)	3
11	All	Overhead Line	Other pole types	No.	38	94	56	4
12	HV	Subtransmission Line	Subtransmission OH up to 66kV conductor	km	327	324	(3)	3
13	HV	Subtransmission Line	Subtransmission OH 110kV+ conductor	km	27	27	-	4
14	HV	Subtransmission Cable	Subtransmission UG up to 66kV (XLPE)	km	132	134	2	4
15	HV	Subtransmission Cable	Subtransmission UG up to 66kV (Oil pressurised)	km	3	2	(0)	4
16	HV	Subtransmission Cable	Subtransmission UG up to 66kV (Gas pressurised)	km	-	-	-	N/A
17	HV	Subtransmission Cable	Subtransmission UG up to 66kV (PILC)	km	1	1	(0)	4
18	HV	Subtransmission Cable	Subtransmission UG 110kV+ (XLPE)	km	0	-	(0)	4
19	HV	Subtransmission Cable	Subtransmission UG 110kV+ (Oil pressurised)	km	-	-	-	N/A
20	HV	Subtransmission Cable	Subtransmission UG 110kV+ (Gas Pressurised)	km	-	-	-	N/A
21	HV	Subtransmission Cable	Subtransmission UG 110kV+ (PILC)	km	-	-	-	N/A
22	HV	Subtransmission Cable	Subtransmission submarine cable	km	1	1	(0)	4
23	HV	Zone substation Buildings	Zone substations up to 66kV	No.	49	50	1	4
24	HV	Zone substation Buildings	Zone substations 110kV+	No.	2	2	-	4
25	HV	Zone substation switchgear	50/66/110kV CB (Indoor)	No.	-	-	-	N/A
26	HV	Zone substation switchgear	50/66/110kV CB (Outdoor)	No.	2	2	-	4
27	HV	Zone substation switchgear	33kV Switch (Ground Mounted)	No.	-	-	-	N/A
28	HV	Zone substation switchgear	33kV Switch (Pole Mounted)	No.	213	198	(15)	3
29	HV	Zone substation switchgear	33kV RMU	No.	11	14	3	3
30	HV	Zone substation switchgear	22/33kV CB (Indoor)	No.	101	119	18	3
31	HV	Zone substation switchgear	22/33kV CB (Outdoor)	No.	188	167	(21)	3
32	HV	Zone substation switchgear	3.3/6.6/11/22kV CB (ground mounted)	No.	467	479	12	3
33	HV	Zone substation switchgear	3.3/6.6/11/22kV CB (pole mounted)	No.	-	-	-	N/A
34	HV	Zone Substation Transformer	Zone Substation Transformers	No.	81	83	2	3
35	HV	Distribution Line	Distribution OH Open Wire Conductor	km	2,915	2,911	(4)	3
36	HV	Distribution Line	Distribution OH Aerial Cable Conductor	km	-	-	-	N/A
37	HV	Distribution Line	SWER conductor	km	-	-	-	N/A
38	HV	Distribution Cable	Distribution UG XLPE or PVC	km	673	700	27	4
39	HV	Distribution Cable	Distribution UG PILC	km	648	642	(6)	4
40	HV	Distribution Cable	Distribution Submarine Cable	km	7	7	(0)	4
41	HV	Distribution switchgear	3.3/6.6/11/22kV CB (pole mounted) - reclosers and sectionalisers	No.	216	217	1	3
42	HV	Distribution switchgear	3.3/6.6/11/22kV CB (Indoor)	No.	12	37	25	4
43	HV	Distribution switchgear	3.3/6.6/11/22kV Switches and fuses (pole mounted)	No.	6,791	7,039	248	3
44	HV	Distribution switchgear	3.3/6.6/11/22kV Switch (ground mounted) - except RMU	No.	756	827	71	3
45	HV	Distribution switchgear	3.3/6.6/11/22kV RMU	No.	1,424	1,359	(65)	3
46	HV	Distribution Transformer	Pole Mounted Transformer	No.	5,618	5,610	(8)	3
47	HV	Distribution Transformer	Ground Mounted Transformer	No.	7,013	7,097	84	3
48	HV	Distribution Transformer	Voltage regulators	No.	7	7	-	3
49	HV	Distribution Substations	Ground Mounted Substation Housing	No.	6,216	6,341	125	3
50	LV	LV Line	LV OH Conductor	km	2,168	2,169	1	3
51	LV	LV Cable	LV UG Cable	km	2,070	2,135	65	3
52	LV	LV Street lighting	LV OH/UG Streetlight circuit	km	156	164	8	4
53	LV	Connections	OH/UG consumer service connections	No.	214,119	216,467	2,348	3
54	All	Protection	Protection relays (electromechanical, solid state and numeric)	No.	1,424	1,130	(294)	2
55	All	SCADA and communications	SCADA and communications equipment operating as a single system	Lot	99	89	(10)	2
56	All	Capacitor Banks	Capacitors including controls	No.	78	78	-	3
57	All	Load Control	Centralised plant	Lot	11	11	-	4
58	All	Load Control	Relays	No.	-	-	-	N/A
59	All	Civils	Cable Tunnels	km	-	-	-	N/A

Company Name	Vector
For Year Ended	31 March 2015
Network / Sub-network Name	Southern

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. All units relating to cable and line assets, that are expressed in km, refer to circuit lengths.

sch ref

8	Voltage	Asset category	Asset class	Units	Items at start of	Items at end of	Net change	Data accuracy
					year (quantity)	year (quantity)		1-4
9	All	Overhead Line	Concrete poles / steel structure	No.	46,201	46,372	171	3
10	All	Overhead Line	Wood poles	No.	5,395	5,049	(346)	3
11	All	Overhead Line	Other pole types	No.	3	11	8	4
12	HV	Subtransmission Line	Subtransmission OH up to 66kV conductor	km	49	51	2	3
13	HV	Subtransmission Line	Subtransmission OH 110kV+ conductor	km	-	-	-	N/A
14	HV	Subtransmission Cable	Subtransmission UG up to 66kV (XLPE)	km	167	195	28	4
15	HV	Subtransmission Cable	Subtransmission UG up to 66kV (Oil pressurised)	km	148	143	(6)	4
16	HV	Subtransmission Cable	Subtransmission UG up to 66kV (Gas pressurised)	km	5	5	0	4
17	HV	Subtransmission Cable	Subtransmission UG up to 66kV (PILC)	km	53	48	(5)	4
18	HV	Subtransmission Cable	Subtransmission UG 110kV+ (XLPE)	km	30	30	(0)	4
19	HV	Subtransmission Cable	Subtransmission UG 110kV+ (Oil pressurised)	km	17	17	0	4
20	HV	Subtransmission Cable	Subtransmission UG 110kV+ (Gas Pressurised)	km	-	-	-	N/A
21	HV	Subtransmission Cable	Subtransmission UG 110kV+ (PILC)	km	-	-	-	N/A
22	HV	Subtransmission Cable	Subtransmission submarine cable	km	13	11	(2)	4
23	HV	Zone substation Buildings	Zone substations up to 66kV	No.	49	50	1	4
24	HV	Zone substation Buildings	Zone substations 110kV+	No.	5	5	-	4
25	HV	Zone substation switchgear	50/66/110kV CB (Indoor)	No.	9	13	4	4
26	HV	Zone substation switchgear	50/66/110kV CB (Outdoor)	No.	-	-	-	N/A
27	HV	Zone substation switchgear	33kV Switch (Ground Mounted)	No.	-	-	-	N/A
28	HV	Zone substation switchgear	33kV Switch (Pole Mounted)	No.	-	-	-	N/A
29	HV	Zone substation switchgear	33kV RMU	No.	-	-	-	N/A
30	HV	Zone substation switchgear	22/33kV CB (Indoor)	No.	114	130	16	3
31	HV	Zone substation switchgear	22/33kV CB (Outdoor)	No.	-	-	-	N/A
32	HV	Zone substation switchgear	3.3/6.6/11/22kV CB (ground mounted)	No.	859	860	1	3
33	HV	Zone substation switchgear	3.3/6.6/11/22kV CB (pole mounted)	No.	-	-	-	N/A
34	HV	Zone Substation Transformer	Zone Substation Transformers	No.	125	127	2	3
35	HV	Distribution Line	Distribution OH Open Wire Conductor	km	910	903	(6)	3
36	HV	Distribution Line	Distribution OH Aerial Cable Conductor	km	-	-	-	N/A
37	HV	Distribution Line	SWER conductor	km	-	-	-	N/A
38	HV	Distribution Cable	Distribution UG XLPE or PVC	km	504	533	29	4
39	HV	Distribution Cable	Distribution UG PILC	km	1,625	1,617	(8)	4
40	HV	Distribution Cable	Distribution Submarine Cable	km	2	2	(0)	4
41	HV	Distribution switchgear	3.3/6.6/11/22kV CB (pole mounted) - reclosers and sectionalisers	No.	58	57	(1)	3
42	HV	Distribution switchgear	3.3/6.6/11/22kV CB (Indoor)	No.	114	117	3	4
43	HV	Distribution switchgear	3.3/6.6/11/22kV Switches and fuses (pole mounted)	No.	1,966	2,003	37	3
44	HV	Distribution switchgear	3.3/6.6/11/22kV Switch (ground mounted) - except RMU	No.	3,161	2,823	(338)	3
45	HV	Distribution switchgear	3.3/6.6/11/22kV RMU	No.	4,548	4,407	(141)	3
46	HV	Distribution Transformer	Pole Mounted Transformer	No.	2,074	2,050	(24)	3
47	HV	Distribution Transformer	Ground Mounted Transformer	No.	6,493	6,571	78	3
48	HV	Distribution Transformer	Voltage regulators	No.	5	5	-	3
49	HV	Distribution Substations	Ground Mounted Substation Housing	No.	6,010	6,029	19	3
50	LV	LV Line	LV OH Conductor	km	1,999	1,990	(10)	3
51	LV	LV Cable	LV UG Cable	km	3,469	3,519	50	3
52	LV	LV Street lighting	LV OH/UG Streetlight circuit	km	233	236	3	4
53	LV	Connections	OH/UG consumer service connections	No.	323,638	326,359	2,721	3
54	All	Protection	Protection relays (electromechanical, solid state and numeric)	No.	1,777	1,916	139	2
55	All	SCADA and communications	SCADA and communications equipment operating as a single system	Lot	132	142	10	2
56	All	Capacitor Banks	Capacitors including controls	No.	25	26	1	3
57	All	Load Control	Centralised plant	Lot	21	21	-	4
58	All	Load Control	Relays	No.	-	-	-	N/A
59	All	Civils	Cable Tunnels	km	10	10	-	4

Company Name

Vector

For Year Ended

31 March 2015

Network / Sub-network Name

Vector

SCHEDULE 9c: REPORT ON OVERHEAD LINES AND UNDERGROUND CABLES

This schedule requires a summary of the key characteristics of the overhead line and underground cable network. All units relating to cable and line assets, that are expressed in km, refer to circuit lengths.

sch ref

	Overhead (km)	Underground (km)	Total circuit length (km)
9			
10	Circuit length by operating voltage (at year end)		
11	27	47	74
12			–
13	373	407	777
14			–
15	3	169	139
16	3,813	3,465	7,314
17	4,159	5,654	9,813
18	8,375	9,742	18,116
19			
20	17	383	400
21			3,655
22			
23	Overhead circuit length by terrain (at year end)		
24	4,236	51%	
25	4,139	49%	
26		–	
27		–	
28		–	
29		–	
30	8,375	100%	
31			
32			
33	18,045	100%	
34			
35	8,375	100%	

Company Name	Vector
For Year Ended	31 March 2015
Network / Sub-network Name	Northern

SCHEDULE 9c: REPORT ON OVERHEAD LINES AND UNDERGROUND CABLES

This schedule requires a summary of the key characteristics of the overhead line and underground cable network. All units relating to cable and line assets, that are expressed in km,

sch ref

		Overhead (km)	Underground (km)	Total circuit length (km)
9				
10	Circuit length by operating voltage (at year end)			
11	> 66kV	27		27
12	50kV & 66kV			-
13	33kV	325	138	463
14	SWER (all SWER voltages)			-
15	22kV (other than SWER)			-
16	6.6kV to 11kV (inclusive—other than SWER)	2,910	1,349	4,259
17	Low voltage (< 1kV)	2,169	2,135	4,304
18	Total circuit length (for supply)	5,431	3,621	9,052
19				
20	Dedicated street lighting circuit length (km)	12	152	165
21	Circuit in sensitive areas (conservation areas, iwi territory etc) (km)			1,580
22				
23	Overhead circuit length by terrain (at year end)			
24	Urban	1,910		35%
25	Rural	3,520		65%
26	Remote only			-
27	Rugged only			-
28	Remote and rugged			-
29	Unallocated overhead lines			-
30	Total overhead length	5,431		100%
31				
32				
33	Length of circuit within 10km of coastline or geothermal areas (where known)	8,988		99%
34				
35	Overhead circuit requiring vegetation management	5,431		100%

Test for cell G30 conditional formatting

Cell G18	Agrees with cell Q17 value
5,431	TRUE

Company Name	Vector
For Year Ended	31 March 2015
Network / Sub-network Name	Southern

SCHEDULE 9c: REPORT ON OVERHEAD LINES AND UNDERGROUND CABLES

This schedule requires a summary of the key characteristics of the overhead line and underground cable network. All units relating to cable and line assets, that are expressed in km, refer

sch ref

	Overhead (km)	Underground (km)	Total circuit length (km)
9			
10	Circuit length by operating voltage (at year end)		
11		47	47
12			-
13	48	269	317
14			-
15	3	169	172
16	903	2,117	3,020
17	1,990	3,519	5,509
18	2,944	6,120	9,064
19			
20	5	231	236
21			2,075
22			
23	Overhead circuit length by terrain (at year end)		
24	2,326	79%	
25	618	21%	
26		-	
27		-	
28		-	
29		-	
30	2,944	100%	
31			
32	Total overhead length		
33	9,057	100%	
34	Overhead circuit requiring vegetation management		
35	2,944	100%	

to S1

Test for cell G30 conditional formatting

Cell G18	Agrees with cell Q17 value
2,944	TRUE

Company Name

Vector

For Year Ended

31 March 2015

SCHEDULE 9d: REPORT ON EMBEDDED NETWORKS

This schedule requires information concerning embedded networks owned by an EDB that are embedded in another EDB's network or in another embedded network.

sch ref

	Location *	Number of ICPs served	Line charge revenue (\$000)
8			
9			
10			
11			
12			
13			
14			
15			
16			
17			
18			
19			
20			
21			
22			
23			
24			
25			

* Extend embedded distribution networks table as necessary to disclose each embedded network owned by the EDB which is embedded in another EDB's network or in another embedded network

26

Company Name

Vector

For Year Ended

31 March 2015

Network / Sub-network Name

Combined

SCHEDULE 9e: REPORT ON NETWORK DEMAND

This schedule requires a summary of the key measures of network utilisation for the disclosure year (number of new connections including distributed generation, peak demand and electricity volumes conveyed).

sch ref

9e(i): Consumer Connections

Number of ICPs connected in year by consumer type

Consumer types defined by EDB*

Residential
Commercial
[EDB consumer type]
[EDB consumer type]
[EDB consumer type]

* include additional rows if needed

Connections total

Number of
connections (ICPs)

3,035
4,289

7,324

Distributed generation

Number of connections made in year

1,263

connections

Capacity of distributed generation installed in year

4.74

MVA

9e(ii): System Demand**Maximum coincident system demand**

GXP demand

1,722

plus Distributed generation output at HV and above

10

Maximum coincident system demand

1,732

less Net transfers to (from) other EDBs at HV and above

Demand on system for supply to consumers' connection points

1,732

Demand at time
of maximum
coincident
demand (MW)**Electricity volumes carried**

Electricity supplied from GXPs

8,585

less Electricity exports to GXPs

-

plus Electricity supplied from distributed generation

100

less Net electricity supplied to (from) other EDBs

-

Electricity entering system for supply to consumers' connection points

8,685

less Total energy delivered to ICPs

8,363

Electricity losses (loss ratio)

322

3.7%

Load factor

0.57

Energy (GWh)

9e(iii): Transformer Capacity

Distribution transformer capacity (EDB owned)

4,117

Distribution transformer capacity (Non-EDB owned, estimated)

501

Total distribution transformer capacity

4,618

Zone substation transformer capacity

4,368

(MVA)

Company Name **Vector**
 For Year Ended **31 March 2015**
 Network / Sub-network Name **Northern**

SCHEDULE 9e: REPORT ON NETWORK DEMAND

This schedule requires a summary of the key measures of network utilisation for the disclosure year (number of new connections including

sch ref

8	9e(i): Consumer Connections		
9	Number of ICPS connected in year by consumer type		
10	Consumer types defined by EDB*		Number of connections (ICPs)
11	Residential		1,087
12	Commercial		2,420
13	[EDB consumer type]		
14	[EDB consumer type]		
15	[EDB consumer type]		
16	* include additional rows if needed		
17	Connections total		3,507
18	Distributed generation		
19	Number of connections made in year		752 connections
20	Capacity of distributed generation installed in year		2.51 MVA
21	9e(ii): System Demand		
22	Maximum coincident system demand		Demand at time of maximum coincident
23	GXP demand		638
24	plus	Distributed generation output at HV and above	8
25	Maximum coincident system demand		646
26	less	Net transfers to (from) other EDBs at HV and above	
27	Demand on system for supply to consumers' connection points		646
28	Electricity volumes carried		Energy (GWh)
29	Electricity supplied from GXPs		2,636
30	less	Electricity exports to GXPs	-
31	plus	Electricity supplied from distributed generation	71
32	less	Net electricity supplied to (from) other EDBs	-
33	Electricity entering system for supply to consumers' connection points		2,706
34	less	Total energy delivered to ICPS	2,624
35	Electricity losses (loss ratio)		82 3.0%
36	Load factor		0
37	9e(iii): Transformer Capacity		
38			(MVA)
39	Distribution transformer capacity (EDB owned)		1,487
40	Distribution transformer capacity (Non-EDB owned)		211
41	Total distribution transformer capacity		1,698
42	Zone substation transformer capacity		1,449

from S8

to S1

Company Name	Vector
For Year Ended	31 March 2015
Network / Sub-network Name	Southern

SCHEDULE 9e: REPORT ON NETWORK DEMAND

This schedule requires a summary of the key measures of network utilisation for the disclosure year (number of new connections including

sch ref

8	9e(i): Consumer Connections		
9	Number of ICPs connected in year by consumer type		
10	Consumer types defined by EDB*	Number of connections (ICPs)	
11	Residential	1,948	
12	Commercial	1,869	
13	[EDB consumer type]		
14	[EDB consumer type]		
15	[EDB consumer type]		
16	* include additional rows if needed		
17	Connections total	3,817	
18			
19	Distributed generation		
20	Number of connections made in year	511	connections
21	Capacity of distributed generation installed in year	2.23	MVA
22	9e(ii): System Demand		
23			
24		Demand at time of maximum coincident	
25	Maximum coincident system demand		
26	GXP demand	1,119	
27	plus Distributed generation output at HV and above	3	
28	Maximum coincident system demand	1,122	
29	less Net transfers to (from) other EDBs at HV and above		
30	Demand on system for supply to consumers' connection points	1,122	
31	Electricity volumes carried	Energy (GWh)	Energy (GWh)
32	Electricity supplied from GXPs	5,949	
33	less Electricity exports to GXPs	-	
34	plus Electricity supplied from distributed generation	29	
35	less Net electricity supplied to (from) other EDBs	-	
36	Electricity entering system for supply to consumers' connection points	5,975	
37	less Total energy delivered to ICPs	5,848	
38	Electricity losses (loss ratio)	127	2.1%
39			
40	Load factor	1	
41	9e(iii): Transformer Capacity		
42		(MVA)	
43	Distribution transformer capacity (EDB owned)	2,630	
44	Distribution transformer capacity (Non-EDB owned)	290	
45	Total distribution transformer capacity	2,920	
46			
47	Zone substation transformer capacity	2,919	

from S8

to S1

