



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

<b>Company Name</b>	MainPower New Zealand Limited
<b>Disclosure Date</b>	31 August 2015
<b>Disclosure Year (year ended)</b>	31 March 2015

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

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## Disclosure Template Instructions

These templates have been prepared for use by 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 **MainPower New Zealand Limited**  
 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

### 1(i): Expenditure metrics

	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 km circuit length (\$/km)	Expenditure per MVA of capacity from EDB-owned distribution transformers (\$/MVA)
<b>Operational expenditure</b>	20,139	285	111,932	2,482	23,961
Network	5,913	84	32,863	729	7,035
Non-network	14,226	201	79,068	1,753	16,926
<b>Expenditure on assets</b>	46,337	655	257,547	5,710	55,133
Network	42,083	595	233,900	5,186	50,071
Non-network	4,255	60	23,647	524	5,062

### 1(ii): Revenue metrics

	Revenue per GWh energy delivered to ICPs (\$/GWh)	Revenue per average no. of ICPs (\$/ICP)
<b>Total consumer line charge revenue</b>	87,623	1,239
Standard consumer line charge revenue	95,723	1,203
Non-standard consumer line charge revenue	23,147	1,560,000

### 1(iii): Service intensity measures

Demand density	22	Maximum coincident system demand per km of circuit length (for supply) (kW/km)
Volume density	123	Total energy delivered to ICPs per km of circuit length (for supply) (MWh/km)
Connection point density	9	Average number of ICPs per km of circuit length (for supply) (ICPs/km)
Energy intensity	14,142	Total energy delivered to ICPs per average number of ICPs (kWh/ICP)

### 1(iv): Composition of regulatory income

	(\$000)	% of revenue
Operational expenditure	12,160	22.76%
Pass-through and recoverable costs excluding financial incentives and wash-ups	13,568	25.39%
Total depreciation	10,976	20.54%
Total revaluations	185	0.35%
Regulatory tax allowance	992	1.86%
Regulatory profit/(loss) including financial incentives and wash-ups	15,923	29.80%
<b>Total regulatory income</b>	<b>53,435</b>	

### 1(v): Reliability

Interruption rate	17.78	Interruptions per 100 circuit km
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Company Name **MainPower New Zealand Limited**  
 For Year Ended **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

	CY-2	CY-1	Current Year CY
	31 Mar 13	31 Mar 14	31 Mar 15
	%	%	%
<b>2(i): Return on Investment</b>			
<b>ROI – comparable to a post tax WACC</b>			
Reflecting all revenue earned	7.22%	7.40%	6.45%
Excluding revenue earned from financial incentives	6.89%	7.05%	6.13%
Excluding revenue earned from financial incentives and wash-ups	6.89%	7.05%	6.13%
<b>Mid-point estimate of post tax WACC</b>	5.85%	5.43%	6.10%
25th percentile estimate	5.13%	4.71%	5.39%
75th percentile estimate	6.56%	6.14%	6.82%
<b>ROI – comparable to a vanilla WACC</b>			
Reflecting all revenue earned	8.00%	8.08%	7.24%
Excluding revenue earned from financial incentives	7.66%	7.74%	6.92%
Excluding revenue earned from financial incentives and wash-ups	7.66%	7.74%	6.92%
<b>WACC rate used to set regulatory price path</b>	n/a	n/a	n/a
<b>Mid-point estimate of vanilla WACC</b>	6.62%	6.11%	6.89%
25th percentile estimate	5.91%	5.39%	6.17%
75th percentile estimate	7.34%	6.83%	7.60%
<b>2(ii): Information Supporting the ROI</b>			
			(\$000)
Total opening RAB value	221,540		
plus Opening deferred tax	(3,179)		
<b>Opening RIV</b>		218,361	
<b>Line charge revenue</b>		52,909	
Expenses cash outflow	25,728		
add Assets commissioned	22,346		
less Asset disposals	1,421		
add Tax payments	102		
less Other regulated income	526		
<b>Mid-year net cash outflows</b>		46,229	
<b>Term credit spread differential allowance</b>		–	
Total closing RAB value	231,674		
less Adjustment resulting from asset allocation	0		
less Lost and found assets adjustment	–		
plus Closing deferred tax	(4,070)		
<b>Closing RIV</b>		227,604	
<b>ROI – comparable to a vanilla WACC</b>			7.24%
Leverage (%)			44%
Cost of debt assumption (%)			6.36%
Corporate tax rate (%)			28%
<b>ROI – comparable to a post tax WACC</b>			6.45%

Company Name **MainPower New Zealand Limited**  
 For Year Ended **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

<b>2(iii): Information Supporting the Monthly ROI</b>							
61							N/A
62							
63	Opening RIV						N/A
64							
65		Line charge revenue	Expenses cash outflow	Assets commissioned	Asset disposals	Other regulated income	Monthly net cash outflows
66	April						-
67	May						-
68	June						-
69	July						-
70	August						-
71	September						-
72	October						-
73	November						-
74	December						-
75	January						-
76	February						-
77	March						-
78	<b>Total</b>	-	-	-	-	-	-
79							
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	<b>2(iv): Year-End ROI Rates for Comparison Purposes</b>						
93							
94	Year-end ROI – comparable to a vanilla WACC						6.52%
95							
96	Year-end ROI – comparable to a post tax WACC						5.74%
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	<b>2(v): Financial Incentives and Wash-Ups</b>						
101							
102	Net recoverable costs allowed under incremental rolling incentive scheme						-
103	Purchased assets – avoided transmission charge						955
104	Energy efficiency and demand incentive allowance						
105	Quality incentive adjustment						
106	Other financial incentives						
107	<b>Financial incentives</b>						955
108							
109	<b>Impact of financial incentives on ROI</b>						0.32%
110							
111	Input methodology claw-back						
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	<b>Wash-up costs</b>						-
120							
121	<b>Impact of wash-up costs on ROI</b>						-

Company Name **MainPower New Zealand Limited**  
 For Year Ended **31 March 2015**

**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

3(i): Regulatory Profit		(\$000)	
7	<b>Income</b>		
8	Line charge revenue		52,909
10	plus Gains / (losses) on asset disposals		49
11	plus Other regulated income (other than gains / (losses) on asset disposals)		477
13	<b>Total regulatory income</b>		<b>53,435</b>
14	<b>Expenses</b>		
15	less Operational expenditure		12,160
17	less Pass-through and recoverable costs excluding financial incentives and wash-ups		13,568
19	<b>Operating surplus / (deficit)</b>		<b>27,707</b>
21	less Total depreciation		10,976
23	plus Total revaluations		185
25	<b>Regulatory profit / (loss) before tax</b>		<b>16,915</b>
27	less Term credit spread differential allowance		-
29	less Regulatory tax allowance		992
31	<b>Regulatory profit/(loss) including financial incentives and wash-ups</b>		<b>15,923</b>
33	<b>3(ii): Pass-through and Recoverable Costs excluding Financial Incentives and Wash-Ups</b>	(\$000)	
34	<b>Pass through costs</b>		
35	Rates	243	
36	Commerce Act levies	29	
37	Industry levies	125	
38	CPP specified pass through costs		
39	<b>Recoverable costs excluding financial incentives and wash-ups</b>		
40	Electricity lines service charge payable to Transpower	12,607	
41	Transpower new investment contract charges	564	
42	System operator services		
43	Distributed generation allowance		
44	Extended reserves allowance		
45	Other recoverable costs excluding financial incentives and wash-ups		
46	<b>Pass-through and recoverable costs excluding financial incentives and wash-ups</b>		<b>13,568</b>
48	<b>3(iii): Incremental Rolling Incentive Scheme</b>	(\$000)	
49		CY-1	CY
50		31 Mar 14	31 Mar 15
51	Allowed controllable opex		
52	Actual controllable opex		
54	Incremental change in year		
56		Previous years' incremental change	Previous years' incremental change adjusted for inflation
57	CY-5 31 Mar 10		
58	CY-4 31 Mar 11		
59	CY-3 31 Mar 12		
60	CY-2 31 Mar 13		
61	CY-1 31 Mar 14		
62	<b>Net incremental rolling incentive scheme</b>		-
64	<b>Net recoverable costs allowed under incremental rolling incentive scheme</b>		-
65	<b>3(iv): Merger and Acquisition Expenditure</b>	(\$000)	
66	Merger and acquisition expenditure		
68	<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>		
69	<b>3(v): Other Disclosures</b>	(\$000)	
71	Self-insurance allowance		Nil



Company Name **MainPower New Zealand Limited**  
 For Year Ended **31 March 2015**

**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	RAB	RAB	RAB	RAB
			31 Mar 11	31 Mar 12	31 Mar 13	31 Mar 14	31 Mar 15
			(\$000)	(\$000)	(\$000)	(\$000)	(\$000)
7	<b>Total opening RAB value</b>		186,405	192,372	197,056	202,799	221,540
12	less <b>Total depreciation</b>		8,698	9,432	9,858	10,483	10,976
14	plus <b>Total revaluations</b>		4,504	3,022	1,693	3,104	185
16	plus <b>Assets commissioned</b>		10,295	11,094	13,908	26,375	22,346
18	less <b>Asset disposals</b>		134			255	1,421
20	plus <b>Lost and found assets adjustment</b>						-
22	plus <b>Adjustment resulting from asset allocation</b>						0
24	<b>Total closing RAB value</b>		192,372	197,056	202,799	221,540	231,674

sch ref	4(ii): Unallocated Regulatory Asset Base	Unallocated RAB *		RAB	
		(\$000)	(\$000)	(\$000)	(\$000)
29	<b>Total opening RAB value</b>		221,540		221,540
31	less <b>Total depreciation</b>		10,976		10,976
33	plus <b>Total revaluations</b>		185		185
35	plus <b>Assets commissioned (other than below)</b>	22,346		22,346	
36	Assets acquired from a regulated supplier				
37	Assets acquired from a related party				
38	<b>Assets commissioned</b>		22,346		22,346
40	less <b>Asset disposals (other than below)</b>	283		283	
41	Asset disposals to a regulated supplier	1,138		1,138	
42	Asset disposals to a related party				
43	<b>Asset disposals</b>		1,421		1,421
45	plus <b>Lost and found assets adjustment</b>				
47	plus <b>Adjustment resulting from asset allocation</b>				0
49	<b>Total closing RAB value</b>		231,674		231,674

\* 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.

Company Name **MainPower New Zealand Limited**  
 For Year Ended **31 March 2015**

**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*

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

CPI <sub>4</sub>	1,193
CPI <sub>4</sub> <sup>-4</sup>	1,192
Revaluation rate (%)	0.08%

	Unallocated RAB *		RAB	
	(\$000)	(\$000)	(\$000)	(\$000)
Total opening RAB value	221,540		221,540	
<i>less</i> Opening value of fully depreciated, disposed and lost assets	1,458		1,458	
Total opening RAB value subject to revaluation	220,082		220,082	
<b>Total revaluations</b>		185		185

**4(iv): Roll Forward of Works Under Construction**

	Unallocated works under construction		Allocated works under construction	
<b>Works under construction—preceding disclosure year</b>		10,159		10,159
<i>plus</i> Capital expenditure	22,906		22,906	
<i>less</i> Assets commissioned	22,346		22,346	
<i>plus</i> Adjustment resulting from asset allocation				
<b>Works under construction - current disclosure year</b>		10,719		10,719
Highest rate of capitalised finance applied				N/A

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**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

76 **4(v): Regulatory Depreciation**

	Unallocated RAB *		RAB	
	(\$000)	(\$000)	(\$000)	(\$000)
79 Depreciation - standard	9,247		9,247	
80 Depreciation - no standard life assets	1,729		1,729	
81 Depreciation - modified life assets				
82 Depreciation - alternative depreciation in accordance with CPP				
83 <b>Total depreciation</b>		10,976		10,976

85 **4(vi): Disclosure of Changes to Depreciation Profiles**

(\$000 unless otherwise specified)

86 Asset or assets with changes to depreciation*	87 Reason for non-standard depreciation (text entry)	88 Closing RAB value		
		89 Depreciation charge for the period (RAB)	90 under 'non-standard' depreciation	91 Closing RAB value under 'standard' depreciation

95 \* include additional rows if needed

96 **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 <b>Total opening RAB value</b>	13,966	821	21,892	52,623	45,366	38,443	10,611	9,981	27,837	221,540
100 less Total depreciation	678	29	965	2,997	1,535	1,591	819	633	1,729	10,976
101 plus Total revaluations	12	1	18	45	38	32	9	8	22	185
102 plus Assets commissioned	1,062		6,639	2,638	3,495	1,855	998	3,090	2,569	22,346
103 less Asset disposals			96		745	159	42	96	283	1,421
104 plus Lost and found assets adjustment										-
105 plus Adjustment resulting from asset allocation										-
106 plus Asset category transfers										-
107 <b>Total closing RAB value</b>	14,362	793	27,488	52,309	46,619	38,580	10,757	12,350	28,416	231,674
109 <b>Asset Life</b>										
110 Weighted average remaining asset life	20.6	28.3	22.7	17.6	29.6	24.2	13.0	15.8	16.1	(years)
111 Weighted average expected total asset life	49.9	48.1	35.7	46.4	48.0	46.3	36.5	34.9	20.5	(years)

Company Name **MainPower New Zealand Limited**  
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**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 10.

sch ref

		(\$000)	
7	<b>5a(i): Regulatory Tax Allowance</b>		
8	<b>Regulatory profit / (loss) before tax</b>		16,915
9			
10	<i>plus</i> Income not included in regulatory profit / (loss) before tax but taxable		*
11	Expenditure or loss in regulatory profit / (loss) before tax but not deductible	223	*
12	Amortisation of initial differences in asset values	1,052	
13	Amortisation of revaluations	721	
14			1,996
15			
16	<i>less</i> Total revaluations	185	
17	Income included in regulatory profit / (loss) before tax but not taxable		*
18	Discretionary discounts and customer rebates	9,257	
19	Expenditure or loss deductible but not in regulatory profit / (loss) before tax		*
20	Notional deductible interest	5,925	
21			15,367
22			
23	<b>Regulatory taxable income</b>		3,545
24			
25	<i>less</i> Utilised tax losses		
26	Regulatory net taxable income		3,545
27			
28	Corporate tax rate (%)	28%	
29	<b>Regulatory tax allowance</b>		992

\* 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	17,335	
37	<i>less</i> Amortisation of initial differences in asset values	1,052	
38	<i>plus</i> Adjustment for unamortised initial differences in assets acquired		
39	<i>less</i> Adjustment for unamortised initial differences in assets disposed	(537)	
40	Closing unamortised initial differences in asset values		16,820
41			
42	Opening weighted average remaining useful life of relevant assets (years)		16
43			

Company Name **MainPower New Zealand Limited**  
 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 70.

sch ref

44	<b>5a(iv): Amortisation of Revaluations</b>		(\$000)
45			
46	Opening sum of RAB values without revaluations	207,875	
47			
48	Adjusted depreciation	10,255	
49	Total depreciation	10,976	
50	Amortisation of revaluations		721
51			
52	<b>5a(v): Reconciliation of Tax Losses</b>		(\$000)
53			
54	<b>Opening tax losses</b>		
55	plus Current period tax losses		
56	less Utilised tax losses		
57	<b>Closing tax losses</b>		-
58	<b>5a(vi): Calculation of Deferred Tax Balance</b>		(\$000)
59			
60	<b>Opening deferred tax</b>	(3,179)	
61			
62	plus Tax effect of adjusted depreciation	2,871	
63			
64	less Tax effect of tax depreciation	3,002	
65			
66	plus Tax effect of other temporary differences*	(483)	
67			
68	less Tax effect of amortisation of initial differences in asset values	295	
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	(18)	
73			
74	plus Deferred tax cost allocation adjustment	(0)	
75			
76	<b>Closing deferred tax</b>		-4,070
77			
78	<b>5a(vii): Disclosure of Temporary Differences</b>		
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	<b>5a(viii): Regulatory Tax Asset Base Roll-Forward</b>		
82			(\$000)
83	<b>Opening sum of regulatory tax asset values</b>	204,983	
84	less Tax depreciation	10,720	
85	plus Regulatory tax asset value of assets commissioned	27,919	
86	less Regulatory tax asset value of asset disposals	523	
87	plus Lost and found assets adjustment	322	
88	plus Adjustment resulting from asset allocation		
89	plus Other adjustments to the RAB tax value		
90	<b>Closing sum of regulatory tax asset values</b>		221,981

Company Name **MainPower New Zealand Limited**  
 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 <b>5b(i): Summary—Related Party Transactions</b>		(\$000)
8	Total regulatory income	
9	Operational expenditure	32
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	Vircom Energy Management Services Limited	Mainpower owns 77.4% of the related party
16		
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	Vircom Energy Management Services Limited	Opex	Metering Inspections	32	ID clause 2.3.6(1)(a)
24					
25					
26					
27					
28					
29					
30					
31					
32					
33					
34					
35					
36					
37					

\* include additional rows if needed

Company Name **MainPower New Zealand Limited**  
 For Year Ended **31 March 2015**

**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

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

Issuing party	Issue date	Pricing date	Original tenor (in years)	Coupon rate (%)	Book value at issue date (NZD)	Book value at date of financial statements (NZD)	Term Credit Spread Difference	Cost of executing an interest rate swap	Debt issue cost readjustment
* include additional rows if needed						-	-	-	-

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

<b>Gross term credit spread differential</b>									
Total book value of interest bearing debt									
Leverage				44%					
Average opening and closing RAB values									
<b>Attribution Rate (%)</b>									
<b>Term credit spread differential allowance</b>									

Company Name **MainPower New Zealand Limited**  
 For Year Ended **31 March 2015**

**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 **5d(i): Operating Cost Allocations**

		Value allocated (\$000s)			OVABAA allocation increase (\$000s)
	Arm's length deduction	Electricity distribution services	Non-electricity distribution services	Total	
10	<b>Service interruptions and emergencies</b>				
11	Directly attributable		1,041		
12	Not directly attributable			-	
13	<b>Total attributable to regulated service</b>		1,041		
14	<b>Vegetation management</b>				
15	Directly attributable		888		
16	Not directly attributable			-	
17	<b>Total attributable to regulated service</b>		888		
18	<b>Routine and corrective maintenance and inspection</b>				
19	Directly attributable		1,439		
20	Not directly attributable			-	
21	<b>Total attributable to regulated service</b>		1,439		
22	<b>Asset replacement and renewal</b>				
23	Directly attributable		202		
24	Not directly attributable			-	
25	<b>Total attributable to regulated service</b>		202		
26	<b>System operations and network support</b>				
27	Directly attributable		1,911		
28	Not directly attributable		902	902	
29	<b>Total attributable to regulated service</b>		2,813		
30	<b>Business support</b>				
31	Directly attributable		1,990		
32	Not directly attributable		3,787	3,787	
33	<b>Total attributable to regulated service</b>		5,777		
34					
35	<b>Operating costs directly attributable</b>		7,471		
36	<b>Operating costs not directly attributable</b>	-	4,689	-	4,689
37	<b>Operational expenditure</b>		12,160		



Company Name **MainPower New Zealand Limited**  
 For Year Ended **31 March 2015**

**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

39 **5d(ii): Other Cost Allocations**

40	Pass through and recoverable costs	(\$000)
41	<b>Pass through costs</b>	
42	Directly attributable	397
43	Not directly attributable	
44	<b>Total attributable to regulated service</b>	397
45	<b>Recoverable costs</b>	
46	Directly attributable	13,171
47	Not directly attributable	
48	<b>Total attributable to regulated service</b>	13,171

50 **5d(iii): Changes in Cost Allocations\* †**

51	(\$000)		
52	Change in cost allocation 1	CY-1	Current Year (CY)
53	Cost category	Original allocation	
54	Original allocator or line items	New allocation	
55	New allocator or line items	Difference	-
56			
57	Rationale for change		

60	(\$000)		
61	Change in cost allocation 2	CY-1	Current Year (CY)
62	Cost category	Original allocation	
63	Original allocator or line items	New allocation	
64	New allocator or line items	Difference	-
65			
66	Rationale for change		

69	(\$000)		
70	Change in cost allocation 3	CY-1	Current Year (CY)
71	Cost category	Original allocation	
72	Original allocator or line items	New allocation	
73	New allocator or line items	Difference	-
74			
75	Rationale for change		

78 \* 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.  
 79 † include additional rows if needed

Company Name **MainPower New Zealand Limited**  
 For Year Ended **31 March 2015**

**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
7		
8		
9		
10	<b>Subtransmission lines</b>	
11	Directly attributable	14,362
12	Not directly attributable	
13	<b>Total attributable to regulated service</b>	14,362
14	<b>Subtransmission cables</b>	
15	Directly attributable	793
16	Not directly attributable	
17	<b>Total attributable to regulated service</b>	793
18	<b>Zone substations</b>	
19	Directly attributable	27,488
20	Not directly attributable	
21	<b>Total attributable to regulated service</b>	27,488
22	<b>Distribution and LV lines</b>	
23	Directly attributable	52,310
24	Not directly attributable	
25	<b>Total attributable to regulated service</b>	52,310
26	<b>Distribution and LV cables</b>	
27	Directly attributable	46,618
28	Not directly attributable	
29	<b>Total attributable to regulated service</b>	46,618
30	<b>Distribution substations and transformers</b>	
31	Directly attributable	38,580
32	Not directly attributable	
33	<b>Total attributable to regulated service</b>	38,580
34	<b>Distribution switchgear</b>	
35	Directly attributable	10,757
36	Not directly attributable	
37	<b>Total attributable to regulated service</b>	10,757
38	<b>Other network assets</b>	
39	Directly attributable	12,350
40	Not directly attributable	
41	<b>Total attributable to regulated service</b>	12,350
42	<b>Non-network assets</b>	
43	Directly attributable	28,416
44	Not directly attributable	
45	<b>Total attributable to regulated service</b>	28,416
46		
47	<b>Regulated service asset value directly attributable</b>	231,674
48	<b>Regulated service asset value not directly attributable</b>	-
49	<b>Total closing RAB value</b>	231,674
50		

5e(ii): Changes in Asset Allocations* †		(\$000)	
		CY-1	Current Year (CY)
53	<b>Change in asset value allocation 1</b>		
54	Asset category		
55	Original allocator or line items		
56	New allocator or line items		
57			
58	Rationale for change		
59			
60			
61			
62	<b>Change in asset value allocation 2</b>		
63	Asset category		
64	Original allocator or line items		
65	New allocator or line items		
66			
67	Rationale for change		
68			
69			
70			
71	<b>Change in asset value allocation 3</b>		
72	Asset category		
73	Original allocator or line items		
74	New allocator or line items		
75			
76	Rationale for change		
77			
78			

\* 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

Company Name **MainPower New Zealand Limited**  
 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	<b>6a(i): Expenditure on Assets</b>		
8	Consumer connection		10,930
9	System growth		10,765
10	Asset replacement and renewal		3,205
11	Asset relocations		45
12	Reliability, safety and environment:		
13	Quality of supply	176	
14	Legislative and regulatory	-	
15	Other reliability, safety and environment	290	
16	<b>Total reliability, safety and environment</b>		466
17	<b>Expenditure on network assets</b>		25,411
18	Expenditure on non-network assets		2,569
19			
20	<b>Expenditure on assets</b>		27,980
21	plus Cost of financing		
22	less Value of capital contributions		5,074
23	plus Value of vested assets		
24			
25	<b>Capital expenditure</b>		22,906
26	<b>6a(ii): Subcomponents of Expenditure on Assets (where known)</b>		(\$000)
27	Energy efficiency and demand side management, reduction of energy losses		
28	Overhead to underground conversion		202
29	Research and development		
30	<b>6a(iii): Consumer Connection</b>		
31	<i>Consumer types defined by EDB*</i>	(\$000)	(\$000)
32	Residential	5,057	
33	Other	1,716	
34	Irrigation	3,873	
35	Street light	5	
	Large User	-	
	Daiken	-	
36	Distributed Generation	280	
37	<i>* include additional rows if needed</i>		
38	<b>Consumer connection expenditure</b>		10,930
39			
40	less Capital contributions funding consumer connection expenditure	5,074	
41	<b>Consumer connection less capital contributions</b>		5,856
42	<b>6a(iv): System Growth and Asset Replacement and Renewal</b>		
43			
44			
45	Subtransmission	729	13
46	Zone substations	5,030	93
47	Distribution and LV lines	470	2,308
48	Distribution and LV cables	807	57
49	Distribution substations and transformers	417	192
50	Distribution switchgear	202	434
51	Other network assets	3,110	107
52	<b>System growth and asset replacement and renewal expenditure</b>	10,765	3,205
53	less Capital contributions funding system growth and asset replacement and renewal		
54	<b>System growth and asset replacement and renewal less capital contributions</b>	10,765	3,205
55			
56	<b>6a(v): Asset Relocations</b>		
57	<i>Project or programme*</i>	(\$000)	(\$000)
58	[Description of material project or programme]		
59	[Description of material project or programme]		
60	[Description of material project or programme]		
61	[Description of material project or programme]		
62	[Description of material project or programme]		
63	<i>* include additional rows if needed</i>		
64	All other projects or programmes - asset relocations	45	
65	<b>Asset relocations expenditure</b>		45
66	less Capital contributions funding asset relocations		
67	<b>Asset relocations less capital contributions</b>		45

Company Name **MainPower New Zealand Limited**  
 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

68				
69	<b>6a(vi): Quality of Supply</b>			
70	<i>Project or programme*</i>		<b>(\$000)</b>	<b>(\$000)</b>
71	Waipara Kaikoura 66 kV		22	
72	ABS replacement with controlled switches		91	
73	[Description of material project or programme]			
74	[Description of material project or programme]			
75	[Description of material project or programme]			
76	<i>* include additional rows if needed</i>			
77	All other projects programmes - quality of supply		63	
78	<b>Quality of supply expenditure</b>			176
79	less Capital contributions funding quality of supply			
80	<b>Quality of supply less capital contributions</b>			176
81	<b>6a(vii): Legislative and Regulatory</b>			
82	<i>Project or programme*</i>		<b>(\$000)</b>	<b>(\$000)</b>
83	[Description of material project or programme]			
84	[Description of material project or programme]			
85	[Description of material project or programme]			
86	[Description of material project or programme]			
87	[Description of material project or programme]			
88	<i>* include additional rows if needed</i>			
89	All other projects or programmes - legislative and regulatory			
90	<b>Legislative and regulatory expenditure</b>			-
91	less Capital contributions funding legislative and regulatory			
92	<b>Legislative and regulatory less capital contributions</b>			-
93	<b>6a(viii): Other Reliability, Safety and Environment</b>			
94	<i>Project or programme*</i>		<b>(\$000)</b>	<b>(\$000)</b>
95	Underground conversion		205	
96	[Description of material project or programme]			
97	[Description of material project or programme]			
98	[Description of material project or programme]			
99	[Description of material project or programme]			
100	<i>* include additional rows if needed</i>			
101	All other projects or programmes - other reliability, safety and environment		84	
102	<b>Other reliability, safety and environment expenditure</b>			290
103	less Capital contributions funding other reliability, safety and environment			
104	<b>Other reliability, safety and environment less capital contributions</b>			290
105				
106	<b>6a(ix): Non-Network Assets</b>			
107	<b>Routine expenditure</b>			
108	<i>Project or programme*</i>		<b>(\$000)</b>	<b>(\$000)</b>
109	Land and Buildings		-	
110	Motor Vehicles		912	
111	Plant and Equipment		413	
112	Computer Equipment		539	
113	Office Equipment		-	
114	<i>* include additional rows if needed</i>			
115	All other projects or programmes - routine expenditure			
116	<b>Routine expenditure</b>			1,864
117	<b>Atypical expenditure</b>			
118	<i>Project or programme*</i>		<b>(\$000)</b>	<b>(\$000)</b>
119	Land and Buildings		705	
120	[Description of material project or programme]			
121	[Description of material project or programme]			
122	[Description of material project or programme]			
123	[Description of material project or programme]			
124	<i>* include additional rows if needed</i>			
125	All other projects or programmes - atypical expenditure			
126	<b>Atypical expenditure</b>			705
127				
128	<b>Expenditure on non-network assets</b>			2,569

Company Name **MainPower New Zealand Limited**

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	<b>6b(i): Operational Expenditure</b>		
8	Service interruptions and emergencies	1,041	
9	Vegetation management	888	
10	Routine and corrective maintenance and inspection	1,439	
11	Asset replacement and renewal	202	
12	<b>Network opex</b>		3,570
13	System operations and network support	2,813	
14	Business support	5,777	
15	<b>Non-network opex</b>		8,590
16			
17	<b>Operational expenditure</b>		12,160
18	<b>6b(ii): Subcomponents of Operational Expenditure (where known)</b>		
19	Energy efficiency and demand side management, reduction of energy losses		80
20	Direct billing*		
21	Research and development		
22	Insurance		588
23	* Direct billing expenditure by suppliers that directly bill the majority of their consumers		

Company Name	<b>MainPower New Zealand Limited</b>
For Year Ended	<b>31 March 2015</b>

## 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	<b>7(i): Revenue</b>	Target (\$000) <sup>1</sup>	Actual (\$000)	% variance
8	Line charge revenue	48,384	52,909	9%
9	<b>7(ii): Expenditure on Assets</b>	Forecast (\$000) <sup>2</sup>	Actual (\$000)	% variance
10	Consumer connection	8,791	10,930	24%
11	System growth	9,946	10,765	8%
12	Asset replacement and renewal	3,450	3,205	(7%)
13	Asset relocations	153	45	(71%)
14	Reliability, safety and environment:			
15	Quality of supply	382	176	(54%)
16	Legislative and regulatory	-	-	-
17	Other reliability, safety and environment	575	290	(50%)
18	<b>Total reliability, safety and environment</b>	957	466	(51%)
19	<b>Expenditure on network assets</b>	23,297	25,411	9%
20	Expenditure on non-network assets	2,962	2,569	(13%)
21	Expenditure on assets	26,259	27,980	7%
22	<b>7(iii): Operational Expenditure</b>			
23	Service interruptions and emergencies	877	1,041	19%
24	Vegetation management	617	888	44%
25	Routine and corrective maintenance and inspection	1,487	1,439	(3%)
26	Asset replacement and renewal	168	202	20%
27	<b>Network opex</b>	3,149	3,570	13%
28	System operations and network support	2,397	2,813	17%
29	Business support	3,365	5,777	72%
30	<b>Non-network opex</b>	5,762	8,590	49%
31	<b>Operational expenditure</b>	8,911	12,160	36%
32	<b>7(iv): Subcomponents of Expenditure on Assets (where known)</b>			
33	Energy efficiency and demand side management, reduction of energy losses	-	-	-
34	Overhead to underground conversion	470	202	(57%)
35	Research and development	-	-	-
36				
37	<b>7(v): Subcomponents of Operational Expenditure (where known)</b>			
38	Energy efficiency and demand side management, reduction of energy losses	-	80	-
39	Direct billing	-	-	-
40	Research and development	-	-	-
41	Insurance	518	588	14%

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)

Company Name	MainPower New Zealand Limited
For Year Ended	31 March 2015
Network / Sub-Network Name	MainPower New Zealand Limited

**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**

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**Billed quantities by price component**

Price component	Distribution Fixed Charge	Distribution Variable Charge	Transmission Variable Charge	Large User Distribution Variable	Large User Transmission Variable	Non Standard Fixed Charge	Non Standard
Unit charging basis (eg, days, kW of demand, kVA of capacity, etc.)	cents / Day	c/kWh	c/kWh	c/kWh	c/kWh	\$/ Day	c/kWh

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

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)
Tariff 101 MainPower (MP)	Residential Control Supply	Standard	22,213	187,347
Tariff 102 MP	Residential UnControlled Supply	Standard	1,207	10,549
Tariff 103 MP	Residential Night Special	Standard	2,073	3,929
Tariff 111 MP	Residential C. S Low User	Standard	6,307	32,791
Tariff 112 MP	Residential UnC Supply Low User	Standard	598	1,242
Tariff 113 MP	Residential Night Low User	Standard	566	618
Tariff 121 MP	Non Residential General Supply	Standard	5,335	114,945
Tariff 122 MP	Temporary Supply	Standard	381	677
Tariff 124 MP	Irrigation Kw Connected	Standard	1,127	100,797
Tariff 125 MP	Council Pumping	Standard	146	9,645
Tariff 126 MP	Street Lighting	Standard	176	2,661
Tariff 127 MP	Right of Way	Standard	-	-
Tariff 128 MP	Under Verandah Lighting	Standard	-	-
Tariff 130 MP	Large User	Standard	29	36,433
Tariff 140 MP	Large User	Standard	-	-
		Non-standard	1	67,396
			-	-
Tariff 201 Kaiapoi (KE)	Residential Control Supply	Standard	1,183	9,295
Tariff 202 KE	Residential UnControlled Supply	Standard	15	93
Tariff 203 KE	Residential Night Special	Standard	136	205
Tariff 211 KE	Residential C. S Low User	Standard	557	2,843
Tariff 212 KE	Residential UnC Supply Low User	Standard	3	30
Tariff 213 KE	Residential Night Low User	Standard	51	47
Tariff 221 KE	Non Residential General Supply	Standard	203	6,682
Tariff 222 KE	Temporary Supply	Standard	13	76
Tariff 225 KE	Council Pumping	Standard	17	678
Tariff 226 KE	Street Lighting	Standard	33	340
Tariff 227 KE	Right of Way	Standard	-	-
Tariff 228 KE	Under Verandah Lighting	Standard	-	-
Tariff 230 KE	Large User	Standard	6	9,643
			-	-
Tariff 301 Wigram (W)	Residential Control Supply	Standard	228	2,136
Tariff 302 W	Residential UnControlled Supply	Standard	7	68
Tariff 303 W	Residential Night Special	Standard	13	21
Tariff 311 W	Residential C. S Low User	Standard	49	302
Tariff 312 W	Residential UnC Supply Low User	Standard	1	8
Tariff 313 W	Residential Night Low User	Standard	1	-
Tariff 321 W	Non Residential General Supply	Standard	22	2,313
Tariff 322 W	Temporary Supply	Standard	1	1
Tariff 326 W	Street Lighting	Standard	-	17

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

Standard consumer totals	42,697	536,432
Non-standard consumer totals	1	67,396
<b>Total for all consumers</b>	<b>42,698</b>	<b>603,828</b>

	187,348,131	187,348,131				
	10,548,594	10,548,594				
	3,929,494	3,929,494				
	32,790,815	32,790,815				
	1,241,862	1,241,862				
	618,335	618,335				
	114,944,786	114,944,786				
	676,524	676,524				
	100,797,289	100,797,289				
	9,644,592	9,644,592				
	2,660,918	2,660,918				
			36,432,713	36,432,713		
						67,395,867
	9,295,227	9,295,227				
	93,146	93,146				
	204,633	204,633				
	2,843,328	2,843,328				
	30,399	30,399				
	47,169	47,169				
	6,682,094	6,682,094				
	75,681	75,681				
	677,537	677,537				
	340,251	340,251				
	9,642,636	9,642,636				
	2,135,570	2,135,570				
	67,716	67,716				
	21,419	21,419				
	301,838	301,838				
	8,172	8,172				
	2,313,065	2,313,065				
	656	656				
	17,388	17,388				
	-	499,999,265	499,999,265		36,432,713	-
	-	-	-		-	67,395,867
	-	499,999,265	499,999,265		36,432,713	-





Company Name **MainPower New Zealand Limited**

For Year Ended **31 March 2015**

Network / Sub-network Name

**SCHEDULE 9a: ASSET REGISTER**

This schedule requires a summary of the quantity of assets that make up the network, by asset category and asset class. All units relating to cable and line assets, that are expressed in km, refer to circuit lengths.

*sch ref*

					Items at start of	Items at end of	Net change	Data accuracy
	Voltage	Asset category	Asset class	Units	year (quantity)	year (quantity)		(1-4)
8	All	Overhead Line	Concrete poles / steel structure	No.	6,621	7,034	413	3
9	All	Overhead Line	Wood poles	No.	47,132	49,115	1,983	2
10	All	Overhead Line	Other pole types	No.	-	-	-	4
11	HV	Subtransmission Line	Subtransmission OH up to 66kV conductor	km	363	359	(4)	3
12	HV	Subtransmission Line	Subtransmission OH 110kV+ conductor	km	-	-	-	4
13	HV	Subtransmission Cable	Subtransmission UG up to 66kV (XLPE)	km	4	4	-	4
14	HV	Subtransmission Cable	Subtransmission UG up to 66kV (Oil pressurised)	km	-	-	-	4
15	HV	Subtransmission Cable	Subtransmission UG up to 66kV (Gas pressurised)	km	-	-	-	4
16	HV	Subtransmission Cable	Subtransmission UG up to 66kV (PILC)	km	-	-	-	4
17	HV	Subtransmission Cable	Subtransmission UG 110kV+ (XLPE)	km	-	-	-	4
18	HV	Subtransmission Cable	Subtransmission UG 110kV+ (Oil pressurised)	km	-	-	-	4
19	HV	Subtransmission Cable	Subtransmission UG 110kV+ (Gas Pressurised)	km	-	-	-	4
20	HV	Subtransmission Cable	Subtransmission UG 110kV+ (PILC)	km	-	-	-	4
21	HV	Subtransmission Cable	Subtransmission submarine cable	km	-	-	-	4
22	HV	Zone substation Buildings	Zone substations up to 66kV	No.	15	15	-	3
23	HV	Zone substation Buildings	Zone substations 110kV+	No.	-	-	-	4
24	HV	Zone substation switchgear	50/66/110kV CB (Indoor)	No.	-	-	-	4
25	HV	Zone substation switchgear	50/66/110kV CB (Outdoor)	No.	5	5	-	4
26	HV	Zone substation switchgear	33kV Switch (Ground Mounted)	No.	-	-	-	3
27	HV	Zone substation switchgear	33kV Switch (Pole Mounted)	No.	69	70	1	3
28	HV	Zone substation switchgear	33kV RMU	No.	-	-	-	4
29	HV	Zone substation switchgear	22/33kV CB (Indoor)	No.	10	10	-	3
30	HV	Zone substation switchgear	22/33kV CB (Outdoor)	No.	30	29	(1)	3
31	HV	Zone substation switchgear	3.3/6.6/11/22kV CB (ground mounted)	No.	41	41	-	3
32	HV	Zone substation switchgear	3.3/6.6/11/22kV CB (pole mounted)	No.	25	26	1	3
33	HV	Zone Substation Transformer	Zone Substation Transformers	No.	26	26	-	4
34	HV	Distribution Line	Distribution OH Open Wire Conductor	km	3,248	3,278	30	2
35	HV	Distribution Line	Distribution OH Aerial Cable Conductor	km	-	-	-	4
36	HV	Distribution Line	SWER conductor	km	119	119	(0)	2
37	HV	Distribution Cable	Distribution UG XLPE or PVC	km	218	231	13	3
38	HV	Distribution Cable	Distribution UG PILC	km	57	57	(0)	3
39	HV	Distribution Cable	Distribution Submarine Cable	km	-	-	-	4
40	HV	Distribution switchgear	3.3/6.6/11/22kV CB (pole mounted) - reclosers and sectionalisers	No.	51	58	7	3
41	HV	Distribution switchgear	3.3/6.6/11/22kV CB (Indoor)	No.	2	2	-	3
42	HV	Distribution switchgear	3.3/6.6/11/22kV Switches and fuses (pole mounted)	No.	9,143	9,307	164	2
43	HV	Distribution switchgear	3.3/6.6/11/22kV Switch (ground mounted) - except RMU	No.	-	-	-	2
44	HV	Distribution switchgear	3.3/6.6/11/22kV RMU	No.	326	341	15	3
45	HV	Distribution Transformer	Pole Mounted Transformer	No.	7,153	7,257	104	4
46	HV	Distribution Transformer	Ground Mounted Transformer	No.	707	747	40	4
47	HV	Distribution Transformer	Voltage regulators	No.	10	10	-	3
48	HV	Distribution Substations	Ground Mounted Substation Housing	No.	682	725	43	2
49	LV	LV Line	LV OH Conductor	km	245	247	2	1
50	LV	LV Cable	LV UG Cable	km	578	605	26	3
51	LV	LV Street lighting	LV OH/UG Streetlight circuit	km	378	397	19	3
52	LV	Connections	OH/UG consumer service connections	No.	40,634	41,455	821	1
53	All	Protection	Protection relays (electromechanical, solid state and numeric)	No.	289	310	21	3
54	All	SCADA and communications	SCADA and communications equipment operating as a single system	Lot	51	142	91	3
55	All	Capacitor Banks	Capacitors including controls	No	-	-	-	4
56	All	Load Control	Centralised plant	Lot	5	8	3	4
57	All	Load Control	Relays	No	24,629	25,571	942	3
58	All	Civils	Cable Tunnels	km	-	-	-	4

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

sch ref

8	Disclosure Year (year ended)		31 March 2015		Number of assets at disclosure year end by installation date																				No. with age unknown	Items at end of year (quantity)	No. with default dates	Data accuracy (1-4)			
	Voltage	Asset category	Asset class	Units	pre-1940	1940-1949	1950-1959	1960-1969	1970-1979	1980-1989	1990-1999	2000	2001	2002	2003	2004	2005	2006	2007	2008	2009	2010	2011	2012					2013	2014	2015
9	All	Overhead Line	Concrete poles / steel structure	No.	28	9	353	405	834	1,814	451	25	47	66	306	402	96	84	64	116	89	297	175	233	402	501	497		7,034	1,500	2
10	All	Overhead Line	Wood poles	No.	3,923	280	2,130	3,905	5,175	9,162	9,055	562	778	617	449	831	1,274	865	842	1,001	1,540	1,179	817	778	617	705	830	1,800	49,115	1,900	2
11	All	Overhead Line	Other pole types	No.	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	2
12	HV	Subtransmission Line	Subtransmission OH up to 66kV conductor	km	-	-	-	34	49	124	34	2	1	13	18	-	-	0	1	0	-	1	-	83	-	-	-	-	359	2	
13	HV	Subtransmission Line	Subtransmission OH 110kV+ conductor	km	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	4	
14	HV	Subtransmission Cable	Subtransmission UG up to 66kV (XLPE)	km	-	-	-	-	0	2	0	-	0	-	-	-	-	-	-	-	0	1	1	-	-	-	-	-	4		
15	HV	Subtransmission Cable	Subtransmission UG up to 66kV (Oil pressurised)	km	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	4	
16	HV	Subtransmission Cable	Subtransmission UG up to 66kV (Gas pressurised)	km	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	4	
17	HV	Subtransmission Cable	Subtransmission UG 110kV+ (XLPE)	km	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	4	
18	HV	Subtransmission Cable	Subtransmission UG 110kV+ (Oil pressurised)	km	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	4	
19	HV	Subtransmission Cable	Subtransmission UG 110kV+ (PILC)	km	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	4	
20	HV	Subtransmission Cable	Subtransmission submarine cable	km	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	4	
21	HV	Zone substation Buildings	Zone substations up to 66kV	No.	-	-	-	-	8	2	1	-	-	2	-	-	-	-	-	-	1	1	-	-	-	-	-	-	15	3	
22	HV	Zone substation Buildings	Zone substations 110kV+	No.	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	4	
23	HV	Zone substation switchgear	50/66/110kV CB (Indoor)	No.	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	4	
24	HV	Zone substation switchgear	50/66/110kV CB (Outdoor)	No.	-	-	-	-	-	-	1	-	-	-	-	-	-	-	-	4	-	-	-	-	-	-	-	-	5	4	
25	HV	Zone substation switchgear	33kV Switch (Ground Mounted)	No.	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	3	
26	HV	Zone substation switchgear	33kV Switch (Pole Mounted)	No.	-	-	-	2	25	13	-	-	-	9	-	1	-	-	4	-	8	-	2	-	3	1	2	70	3		
27	HV	Zone substation switchgear	33kV RMU	No.	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	4	
28	HV	Zone substation switchgear	22/33kV CB (Indoor)	No.	-	-	-	-	-	9	-	-	-	-	-	-	-	-	-	-	-	-	-	1	-	-	-	10	3		
29	HV	Zone substation switchgear	22/33kV CB (Outdoor)	No.	-	-	-	4	3	1	-	-	5	-	2	-	-	8	-	4	-	-	-	1	-	-	1	29	3		
30	HV	Zone substation switchgear	3.3/6.6/11/22kV CB (ground mounted)	No.	-	-	-	8	4	13	-	-	7	-	-	-	-	-	-	8	1	-	-	-	-	-	-	41	3		
31	HV	Zone substation switchgear	3.3/6.6/11/22kV CB (pole mounted)	No.	-	-	-	1	1	1	-	-	-	1	-	-	1	-	15	3	-	-	2	1	-	-	-	26	3		
32	HV	Zone Substation Transformers	Zone Substation Transformers	No.	-	-	-	2	6	3	4	-	-	-	3	-	-	2	5	-	5	-	-	-	-	-	-	26	4		
33	HV	Distribution Line	Distribution OH Open Wire Conductor	km	16	-	2	135	552	1,140	829	36	25	37	44	37	54	41	37	37	65	37	30	22	48	31	23	3,278	975	2	
34	HV	Distribution Line	Distribution OH Aerial Cable Conductor	km	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	4	
35	HV	Distribution Line	SWER conductor	km	-	-	-	14	28	66	4	-	2	-	0	-	2	2	0	-	-	-	-	-	-	-	-	119	2		
36	HV	Distribution Cable	Distribution UG XLPE or PVC	km	0	-	-	-	4	5	31	5	10	10	2	13	9	11	12	16	21	9	19	12	16	13	14	231	3		
37	HV	Distribution Cable	Distribution UG PILC	km	-	-	-	1	23	17	13	1	-	-	-	-	-	-	-	-	-	0	1	-	-	-	-	57	3		
38	HV	Distribution Cable	Distribution Submarine Cable	km	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	4	
39	HV	Distribution switchgear	3.3/6.6/11/22kV CB (pole mounted) - reclosers and sectionalisers	No.	-	-	-	-	4	10	11	-	-	-	1	1	1	3	-	-	-	5	3	-	1	10	8	58	3		
40	HV	Distribution switchgear	3.3/6.6/11/22kV CB (Indoor)	No.	-	-	-	-	-	1	-	-	-	-	-	-	-	-	-	-	-	-	-	1	-	-	-	2	3		
41	HV	Distribution switchgear	3.3/6.6/11/22kV Switches and fuses (pole mounted)	No.	61	1	6	2,092	316	2,057	1,175	167	146	142	184	160	215	202	157	162	140	120	134	257	516	512	385	9,307	1,900	2	
42	HV	Distribution switchgear	3.3/6.6/11/22kV Switch (ground mounted) - except RMU	No.	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	2	
43	HV	Distribution switchgear	3.3/6.6/11/22kV RMU	No.	1	-	-	-	13	100	46	16	8	5	8	15	8	12	10	7	14	11	18	13	21	11	4	341	3		
44	HV	Distribution Transformer	Pole Mounted Transformer	No.	20	3	21	543	1,463	911	1,064	217	199	199	195	233	289	242	124	213	187	138	163	86	424	256	67	7,257	4		
45	HV	Distribution Transformer	Ground Mounted Transformer	No.	12	-	1	28	99	85	80	13	15	24	22	20	30	42	36	52	41	18	23	17	39	38	12	747	4		
46	HV	Distribution Transformer	Voltage regulators	No.	-	-	-	-	1	-	-	-	-	-	1	3	4	-	-	1	-	-	-	-	-	-	-	10	3		
47	HV	Distribution Substations	Ground Mounted Substation Housing	No.	7	-	1	148	23	94	99	12	18	20	22	29	23	25	19	20	16	15	22	22	25	30	35	725	2		
48	LV	LV Line	LV OH Conductor	km	23	-	1	8	114	52	32	1	2	1	1	1	1	1	1	1	1	3	2	2	-	-	-	247	1		
49	LV	LV Cable	LV UG Cable	km	3	-	-	-	82	72	108	15	14	11	10	24	24	24	27	34	19	25	13	19	34	23	24	605	3		
50	LV	LV Street lighting	LV OH/UG Streetlight circuit	km	2	-	-	1	200	33	5	3	9	4	3	8	9	8	12	12	5	14	11	12	16	14	15	397	3		
51	LV	Connections	OH/UG consumer service connections	No.	462	135	521	1,399	7,158	5,719	6,078	781	1,025	588	784	1,040	1,344	1,458	1,219	1,662	1,148	1,358	992	1,162	1,792	1,467	2,163	41,455	9,000	1	
52	All	Protection	Protection relays (electromechanical, solid state and numeric)	No.	12	-	-	3	54	37	23	-	-	10	-	8	23	1	10	27	21	32	4	12	12	16	5	310	3		
53	All	SCADA and communications	SCADA and communications equipment operating as a single system	Lot	-	-	-	-	-	6	47	-	2	-	2	6	24	3	9	10	12	7	7	3	3	1	-	142	3		
54	All	Capacitor Banks	Capacitors including controls	No.	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	4	
55	All	Load Control	Centralised plant	Lot	-	-	-	-	-	-	1	-	-	-	-	-	-	-	2	1	1	-	-	-	-	-	3	8	4		
56	All	Load Control	Relays	No.	247	-	-	-	-	-	16,883	159	560	224	270	419	645	832	518	492	515	392	424	714	955	1,315	7	25,571	3		
57	All	Civils	Cable Tunnels	km	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	4	

Company Name	<b>MainPower New Zealand Limited</b>
For Year Ended	<b>31 March 2015</b>
Network / Sub-network Name	

**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

9				
10	<b>Circuit length by operating voltage (at year end)</b>	<b>Overhead (km)</b>	<b>Underground (km)</b>	<b>Total circuit length (km)</b>
11	> 66kV	-	-	-
12	50kV & 66kV	136		136
13	33kV	223	4	227
14	SWER (all SWER voltages)	117	2	119
15	22kV (other than SWER)	847	39	886
16	6.6kV to 11kV (inclusive—other than SWER)	2,431	249	2,680
17	Low voltage (< 1kV)	247	605	852
18	<b>Total circuit length (for supply)</b>	<b>4,001</b>	<b>899</b>	<b>4,900</b>
19				
20	Dedicated street lighting circuit length (km)	18	380	397
21	Circuit in sensitive areas (conservation areas, iwi territory etc) (km)			
22				
23	<b>Overhead circuit length by terrain (at year end)</b>	<b>Circuit length (km)</b>	<b>(% of total overhead length)</b>	
24	Urban	53	1%	
25	Rural	2,381	60%	
26	Remote only	1,436	36%	
27	Rugged only	130	3%	
28	Remote and rugged		-	
29	Unallocated overhead lines		-	
30	<b>Total overhead length</b>	<b>4,001</b>	<b>100%</b>	
31				
32		<b>(% of total circuit length)</b>		
33	Length of circuit within 10km of coastline or geothermal areas (where known)	2,025	41%	
34		<b>(% of total overhead length)</b>		
35	Overhead circuit requiring vegetation management	1,663	42%	

Company Name **MainPower New Zealand Limited**  
 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			
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18			
19			
20			
21			
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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

Company Name	<b>MainPower New Zealand Limited</b>
For Year Ended	<b>31 March 2015</b>
Network / Sub-network Name	

**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

8	<b>9e(i): Consumer Connections</b>		
9	Number of ICPs connected in year by consumer type		
10	Consumer types defined by EDB*	<b>Number of connections (ICPs)</b>	
11	Residential	1,032	
12	Other	156	
13	Irrigation	46	
14	Street light	5	
15	Distributed Generation	1	
16	* include additional rows if needed		
17	<b>Connections total</b>	<b>1,240</b>	
18			
19	<b>Distributed generation</b>		
20	Number of connections made in year	193	connections
21	Capacity of distributed generation installed in year	3.08	MVA
22	<b>9e(ii): System Demand</b>		
23			
24		<b>Demand at time of maximum coincident demand (MW)</b>	
25	<b>Maximum coincident system demand</b>		
26	GXP demand	108	
27	plus Distributed generation output at HV and above	1	
28	<b>Maximum coincident system demand</b>	<b>109</b>	
29	less Net transfers to (from) other EDBs at HV and above	-	
30	<b>Demand on system for supply to consumers' connection points</b>	<b>109</b>	
31	<b>Electricity volumes carried</b>	<b>Energy (GWh)</b>	
32	Electricity supplied from GXPs	636	
33	less Electricity exports to GXPs	-	
34	plus Electricity supplied from distributed generation	4	
35	less Net electricity supplied to (from) other EDBs	(5)	
36	<b>Electricity entering system for supply to consumers' connection points</b>	<b>646</b>	
37	less Total energy delivered to ICPs	604	
38	<b>Electricity losses (loss ratio)</b>	<b>42</b>	<b>6.5%</b>
39			
40	<b>Load factor</b>	<b>0.68</b>	
41	<b>9e(iii): Transformer Capacity</b>		
42		<b>(MVA)</b>	
43	Distribution transformer capacity (EDB owned)	507	
44	Distribution transformer capacity (Non-EDB owned, estimated)	6	
45	<b>Total distribution transformer capacity</b>	<b>514</b>	
46			
47	<b>Zone substation transformer capacity</b>	<b>133</b>	

Company Name	<b>MainPower New Zealand Limited</b>
For Year Ended	<b>31 March 2015</b>
Network / Sub-network Name	

**SCHEDULE 10: REPORT ON NETWORK RELIABILITY**

This schedule requires a summary of the key measures of network reliability (interruptions, SAIDI, SAIFI and fault rate) for the disclosure year. EDBs must provide explanatory comment on their network reliability for the disclosure year in Schedule 14 (Explanatory notes to templates). The SAIFI and SAIDI 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

8	<b>10(i): Interruptions</b>		
9	<b>Interruptions by class</b>	<b>Number of interruptions</b>	
10	Class A (planned interruptions by Transpower)	-	
11	Class B (planned interruptions on the network)	596	
12	Class C (unplanned interruptions on the network)	274	
13	Class D (unplanned interruptions by Transpower)	1	
14	Class E (unplanned interruptions of EDB owned generation)	-	
15	Class F (unplanned interruptions of generation owned by others)	-	
16	Class G (unplanned interruptions caused by another disclosing entity)	-	
17	Class H (planned interruptions caused by another disclosing entity)	-	
18	Class I (interruptions caused by parties not included above)	-	
19	<b>Total</b>	<b>871</b>	
20			
21	<b>Interruption restoration</b>	<b>≤3Hrs</b>	<b>&gt;3hrs</b>
22	Class C interruptions restored within	223	52
23			
24	<b>SAIFI and SAIDI by class</b>	<b>SAIFI</b>	<b>SAIDI</b>
25	Class A (planned interruptions by Transpower)		
26	Class B (planned interruptions on the network)	0.32	89.0
27	Class C (unplanned interruptions on the network)	1.16	102.4
28	Class D (unplanned interruptions by Transpower)	0.00	0.2
29	Class E (unplanned interruptions of EDB owned generation)		
30	Class F (unplanned interruptions of generation owned by others)		
31	Class G (unplanned interruptions caused by another disclosing entity)		
32	Class H (planned interruptions caused by another disclosing entity)		
33	Class I (interruptions caused by parties not included above)		
34	<b>Total</b>	<b>1.48</b>	<b>191.7</b>
35			
36	<b>Normalised SAIFI and SAIDI</b>	<b>Normalised SAIFI</b>	<b>Normalised SAIDI</b>
37	Classes B & C (interruptions on the network)	1.40	163.5
38			
39	<b>Quality path normalised reliability limit</b>	<b>SAIFI reliability limit</b>	<b>SAIDI reliability limit</b>
40	SAIFI and SAIDI limits applicable to disclosure year*		
41	* not applicable to exempt EDBs		

Company Name	<b>MainPower New Zealand Limited</b>
For Year Ended	<b>31 March 2015</b>
Network / Sub-network Name	

**SCHEDULE 10: REPORT ON NETWORK RELIABILITY**

This schedule requires a summary of the key measures of network reliability (interruptions, SAIDI, SAIFI and fault rate) for the disclosure year. EDBs must provide explanatory comment on their network reliability for the disclosure year in Schedule 14 (Explanatory notes to templates). The SAIFI and SAIDI 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.

**10(ii): Class C Interruptions and Duration by Cause**

Cause	SAIFI	SAIDI
Lightning	0.00	0.6
Vegetation	0.14	10.2
Adverse weather	0.28	51.3
Adverse environment	–	0.0
Third party interference	0.29	17.3
Wildlife	0.05	2.8
Human error	0.05	0.2
Defective equipment	0.35	17.9
Cause unknown	0.06	2.2

**10(iii): Class B Interruptions and Duration by Main Equipment Involved**

Main equipment involved	SAIFI	SAIDI
Subtransmission lines	0.04	13.8
Subtransmission cables	–	–
Subtransmission other	–	–
Distribution lines (excluding LV)	0.26	67.6
Distribution cables (excluding LV)	0.01	4.4
Distribution other (excluding LV)	0.01	3.2

**10(iv): Class C Interruptions and Duration by Main Equipment Involved**

Main equipment involved	SAIFI	SAIDI
Subtransmission lines	0.13	4.8
Subtransmission cables	–	–
Subtransmission other	–	–
Distribution lines (excluding LV)	0.90	90.8
Distribution cables (excluding LV)	0.13	4.4
Distribution other (excluding LV)	0.06	2.4

**10(v): Fault Rate**

Main equipment involved	Number of Faults	Circuit length (km)	Fault rate (faults per 100km)
Subtransmission lines	2	233	0.86
Subtransmission cables	–	4	–
Subtransmission other	–	–	–
Distribution lines (excluding LV)	259	3,267	7.93
Distribution cables (excluding LV)	8	242	3.30
Distribution other (excluding LV)	5	–	–
<b>Total</b>	<b>274</b>		



**EDB Information Disclosure Requirements  
Information Templates  
for  
Schedules 5f & 5g**

<b>Company Name</b>	MainPower New Zealand Limited
<b>Disclosure Date</b>	31 August 2015
<b>Disclosure Year (year ended)</b>	31 March 2015

Templates for Schedules 5f & 5g  
Template Version 4.1. Prepared 24 March 2015



## Table of Contents

Schedule	Schedule name
5f	<a href="#">REPORT SUPPORTING COST ALLOCATIONS</a>
5g	<a href="#">REPORT SUPPORTING ASSET ALLOCATIONS</a>

## **Disclosure Template Instructions**

These templates have been prepared for use by EDBs when making disclosures under subclause 2.3.2 of the Electricity Distribution Information Disclosure Determination 2012.

### ***Instructions for completing schedules 5f & 5g***

When completing schedules 5f & 5g, EDBs are only required to report on cost or asset values that are not directly attributable. If EDBs do not have any cost or asset values that are not directly attributable, they should indicate this on the first "Insert cost description" input box.

EDBs are required to submit schedules 5f & 5g to the Commission even if they do not have any cost or asset values that are not directly attributable.

### ***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 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.

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

The templates for schedules 5f and 5g may require additional rows to be inserted in tables.

Additional rows must not be inserted directly above the first row or below the last row of a table. This is to ensure that entries made in the new row are included in the totals. Column A schedule references should not be entered in additional rows.

### ***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.

**SCHEDULE 5f: REPORT SUPPORTING COST ALLOCATIONS**

This schedule requires additional detail on the asset allocation methodology applied in allocating asset values that are not directly attributable, to support the information provided in Schedule 5d (Cost allocations). This schedule is not required to be publicly disclosed, but must be disclosed to the Commission.  
 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	Have costs been allocated in aggregate using ACAM in accordance with clause 2.1.1(3) of the IM Determination?											
8	Yes											
9												
10					Allocator Metric (%)		Value allocated (\$000)					
11	Line Item*	Allocation methodology type	Cost allocator	Allocator type	Electricity distribution services	Non-electricity distribution services	Arm's length deduction	Electricity distribution services	Non-electricity distribution services	Total	OVABAA allocation increase (\$000)	
12	<b>Service interruptions and emergencies</b>											
13												
14												
15												
16												
17	Not directly attributable											
18	<b>Vegetation management</b>											
19												
20												
21												
22												
23	Not directly attributable											
24	<b>Routine and corrective maintenance and inspection</b>											
25												
26												
27												
28												
29	Not directly attributable											
30	<b>Asset replacement and renewal</b>											
31												
32												
33												
34												
35	Not directly attributable											
36	<b>System operations and network support</b>											
37												
38	Staff Expenses	ACAM			100.00%			1,835		1,835		
39	Office expenses	ACAM			100.00%			600		600		
40	Land, Building and Plant and Equipment Expenses	ACAM			100.00%			378		378		
41												
42	Not directly attributable											
43	<b>Business support</b>											
44	Staff Expenses	ACAM			100.00%			2,753		2,753		
45	Office expenses	ACAM			100.00%			1,352		1,352		
46	Land, Building and Plant and Equipment Expenses	ACAM			100.00%			397		397		
47	Finance ( Bad debts, bank charges ect)	ACAM			100.00%			301		301		
48	Community	ACAM			100.00%			679		679		
49	Directors Expenses	ACAM			100.00%			295		295		
50	Not directly attributable											
51	Operating costs not directly attributable											
52												
53	<b>Pass through and recoverable costs</b>											
54	<b>Pass through costs</b>											
55	Insert cost description	e.g. ABAA	Allocator 1	[Select one]								
56	Insert cost description	e.g. ABAA	Allocator 2	[Select one]								
57	Insert cost description	e.g. ABAA	Allocator 3	[Select one]								
58	Insert cost description	e.g. ABAA	Allocator 4	[Select one]								
59	Not directly attributable											
60	<b>Recoverable costs</b>											
61	Insert cost description	e.g. ABAA	Allocator 1	[Select one]								
62	Insert cost description	e.g. ABAA	Allocator 2	[Select one]								
63	Insert cost description	e.g. ABAA	Allocator 3	[Select one]								
64	Insert cost description	e.g. ABAA	Allocator 4	[Select one]								
65	Not directly attributable											

\* include additional rows if needed

Company Name **MainPower New Zealand Limited**  
 For Year Ended **31 March 2015**

**SCHEDULE 5g: REPORT SUPPORTING ASSET ALLOCATIONS**

This schedule requires additional detail on the asset allocation methodology applied in allocating asset values that are not directly attributable, to support the information provided in Schedule 5e (Report on Asset Allocations). This schedule is not required to be publicly disclosed, but must be disclosed to the Commission.  
 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	Have assets been allocated in aggregate using ACAM in accordance with clause 2.1.1(3) of the IM Determination?											
8											Yes	
9												
10	Line Item*	Allocation methodology type	Allocator	Allocator type	Allocator Metric (%)		Value allocated (\$000)			OVABAA allocation increase (\$000)		
11					Electricity distribution services	Non-electricity distribution services	Arm's length deduction	Electricity distribution services	Non-electricity distribution services		Total	
12	<b>Subtransmission lines</b>											
13												
14												
15												
16												
17	Not directly attributable							-	-	-	-	-
18	<b>Subtransmission cables</b>											
19												
20												
21												
22												
23	Not directly attributable							-	-	-	-	-
24	<b>Zone substations</b>											
25												
26												
27												
28												
29	Not directly attributable							-	-	-	-	-
30	<b>Distribution and LV lines</b>											
31												
32												
33												
34												
35	Not directly attributable							-	-	-	-	-
36	<b>Distribution and LV cables</b>											
37												
38												
39												
40												
41	Not directly attributable							-	-	-	-	-
42	<b>Distribution substations and transformers</b>											
43												
44												
45												
46												
47												
48	Not directly attributable							-	-	-	-	-
49	<b>Distribution switchgear</b>											
50												
51												
52												
53												
54												
55	Not directly attributable							-	-	-	-	-
56	<b>Other network assets</b>											
57												
58												
59												
60												
61	Not directly attributable							-	-	-	-	-
62	<b>Non-network assets</b>											
63												
64												
65												
66												
67	Not directly attributable							-	-	-	-	-
68	Regulated service asset value not directly attributable							-	-	-	-	-
69												
70	* include additional rows if needed											



## Worksheet to calculate Table 2(i) prior year ROIs for the 2015 EDB year end Disclosure

### Overview

This worksheet is designed to assist suppliers in calculating the prior year return on investment disclosures (prior year ROIs) for the 2015 year end disclosure. Clause 2.13.5 of the EDB information disclosure determination requires the prior year ROIs, disclosed in table 2(i) of Schedule 2 for the disclosure years 2015 and 2016, must be calculated in accordance with the 2015 amendment to the EDB information disclosure determination.

The worksheet assists suppliers to calculate the required prior year ROIs using information that, in most cases, has been previously disclosed by suppliers. The prior year ROIs, calculated in this spreadsheet, must be disclosed in table 2(i) of Schedule 2 in the supplier's 2015 and 2016 disclosures.

This worksheet is not required for the 2016 disclosure because the 2016 prior ROIs disclosure can use the ROI information disclosed in 2015.

### Description

The prior year ROIs calculated by this worksheet are:

- (1) ROI – comparable to a post tax WACC reflecting all revenue earned;
- (2) ROI – comparable to a post tax WACC excluding revenue earned from financial incentives;
- (3) ROI – comparable to a post tax WACC excluding revenue earned from financial incentives and wash-ups;
- (4) ROI – comparable to a vanilla WACC reflecting all revenue earned;
- (5) ROI – comparable to a vanilla WACC excluding revenue earned from financial incentives; and
- (6) ROI – comparable to a vanilla WACC excluding revenue earned from financial incentives and wash-ups.

The above calculated prior year ROIs must be included in the relevant years of table 2(i) in Schedule 2 of the suppliers 2015 and 2016 disclosures.

### Instructions

All values entered into the unshaded entry cells of the workbook must be copied from the schedules previously disclosed in accordance with the EDB information disclosure determination, with the following exceptions:

- Where an exempt EDB has, in the 2013 and 2014 disclosures, elected to not disclose the breakdown of pass-through and recoverable costs—the pass-through and recoverable costs, financial incentive and wash-up disclosures in this worksheet must be the values used to calculate the total pass-through and recoverable costs disclosure.

- 'Purchased assets – avoided transmission charge' and 'Distributed generation allowance' information must be determined based on the definitions amended by the 2015 amendment to the EDB information disclosure determination. The total of the two disclosures should equal to the previously disclosed 'avoided transmission charge' value. For exempt EDBs that had not previously disclosed the breakdown of pass-through and recoverable costs the disclosures should equal the 'avoided transmission charge' value used to calculate the total pass-through and recoverable costs

- 'Income included in regulatory profit / (loss) before tax but not taxable' must exclude revaluations.

- If a supplier is required to or chooses to correct any information that is an input to this worksheet (other than above) this must be done in accordance with the error disclosure provisions of the EDB information disclosure determination (clause 2.12.1 or 2.12.2).

This worksheet is not required to be publicly disclosed. Suppliers may, however, choose to make this worksheet available for consideration by the Commission.

**WORKSHEET: CALCULATION OF PRIOR YEAR RETURN ON INVESTMENT DISCLOSURES**

**A: Return on Investment**

	2013	2014	Notes
Date of year end	31-Mar-13	31-Mar-14	
<b>ROI – comparable to a post tax WACC</b>	%	%	
Reflecting all revenue earned	7.22%	7.40%	Calculated
Excluding revenue earned from financial incentives	6.89%	7.05%	Calculated
Excluding revenue earned from financial incentives and wash-ups	6.89%	7.05%	Calculated
<b>ROI – comparable to a vanilla WACC</b>			
Reflecting all revenue earned	8.00%	8.08%	Calculated
Excluding revenue earned from financial incentives	7.66%	7.74%	Calculated
Excluding revenue earned from financial incentives and wash-ups	7.66%	7.74%	Calculated

**B: Information Supporting the ROI**

	(\$000)	(\$000)	
Total opening RAB value	197,056	202,799	1
<i>plus</i> Opening deferred tax	(2,128)	(2,836)	1
<b>Opening RIV</b>	194,928	199,963	Calculated
<b>Line charge revenue</b>	45,553	46,707	Calculated
Expenses cash outflow	22,040	23,880	Calculated
<i>add</i> Assets commissioned	13,908	26,375	1
<i>less</i> Asset disposals	–	255	1
<i>add</i> Tax payments	(102)	(343)	Calculated
<i>less</i> Other regulated income	785	1,136	Calculated
<b>Mid-year net cash outflows</b>	35,061	48,521	Calculated
<b>Term credit spread differential allowance</b>	–	–	Calculated
Total closing RAB value	202,799	221,540	1
<i>less</i> Adjustment resulting from asset allocation	–	–	1
<i>less</i> Lost and found assets adjustment	–	–	1
<i>plus</i> Closing deferred tax	(2,846)	(3,179)	1
<b>Closing RIV</b>	199,953	218,361	Calculated
<b>ROI – comparable to a vanilla WACC</b>	8.00%	8.08%	Calculated
Leverage (%)	44%	44%	Standard value
Cost of debt assumption (%)	6.31%	5.56%	Standard value
Corporate tax rate (%)	28%	28%	Standard value
<b>ROI – comparable to a post tax WACC</b>	7.22%	7.40%	Calculated

**C: Financial Incentives and Wash-Ups**

	(\$000)	(\$000)	
Net recoverable costs allowed under incremental rolling incentive scheme	–	–	3
Purchased assets – avoided transmission charge	875	954	2
<b>Financial incentives</b>	875	954	Calculated
Input methodology claw-back	–	–	3
Recoverable customised price-quality path costs	–	–	3
<b>Wash-up costs</b>	–	–	Calculated

**WORKSHEET: CALCULATION OF PRIOR YEAR RETURN ON INVESTMENT DISCLOSURES**

**D: Regulatory Profit**

	(\$000)	(\$000)	
<b>Income</b>			
Line charge revenue	45,553	46,707	3
<i>plus</i> Gains / (losses) on asset disposals	-	38	3
<i>plus</i> Other regulated income (other than gains / (losses) on asset disposals)	785	1,098	3
<b>Total regulatory income</b>	46,338	47,843	Calculated
<b>Expenses</b>			
<i>less</i> Operational expenditure	10,685	11,931	3
<i>less</i> Pass-through and recoverable costs excluding financial incentives and wash-ups	11,355	11,949	Calculated
<b>Operating surplus / (deficit)</b>	24,298	23,963	Calculated
<i>less</i> Total depreciation	9,858	10,483	3
<i>plus</i> Total revaluations	1,693	3,104	3
<b>Regulatory profit / (loss) before tax</b>	16,133	16,584	Calculated
<i>less</i> Term credit spread differential allowance	-	-	3
<i>less</i> Regulatory tax allowance	616	-	Calculated
<b>Regulatory profit/(loss) including financial incentives and wash-ups</b>	15,517	16,584	Calculated

**E: Pass-through and Recoverable Costs excluding Financial Incentives and Wash-Ups**

	(\$000)	(\$000)	
<b>Pass through costs</b>			
Rates	196	220	3
Commerce Act levies	48	13	3
Industry levies	84	89	4
CPP specified pass through costs	20	-	5
<b>Recoverable costs excluding financial incentives and wash-ups</b>			
Electricity lines service charge payable to Transpower	11,007	11,627	6
Transpower new investment contract charges	-	-	3
System operator services	-	-	3
Distributed generation allowance	-	-	7
<b>Pass-through and recoverable costs excluding financial incentives and wash-ups</b>	11,355	11,949	Calculated

**F: Regulatory Tax Allowance**

	(\$000)	(\$000)	
<b>Regulatory profit / (loss) before tax</b>	16,133	16,584	Calculated
<i>plus</i> Income not included in regulatory profit / (loss) before tax but taxable	-	-	8
Expenditure or loss in regulatory profit / (loss) before tax but not deductible	6	70	8
Amortisation of initial differences in asset values	1,052	1,052	8
Amortisation of revaluations	202	711	8
	1,260	1,833	Calculated
<i>less</i> Total revaluations	1,693	3,104	Calculated
Income included in regulatory profit / (loss) before tax but not taxable	-	3,104	9
Discretionary discounts and customer rebates	8,251	8,447	8
Expenditure or loss deductible but not in regulatory profit / (loss) before tax	-	-	8
Notional deductible interest	5,249	4,761	Calculated
	15,193	19,416	Calculated
<b>Regulatory taxable income</b>	2,200	(999)	Calculated
<i>less</i> Utilised tax losses	-	-	8
<b>Regulatory net taxable income</b>	2,200	-	Calculated
Corporate tax rate (%)	28%	28%	Standard value
<b>Regulatory tax allowance</b>	616	-	Calculated

## WORKSHEET: CALCULATION OF PRIOR YEAR RETURN ON INVESTMENT DISCLOSURES

### Notes Reference

Calculated	Internally calculated value or link
Standard value	A disclosure that is standard across suppliers
1	Insert disclosure from Schedule 2 of the relevant year
2	Insert the portion of 'avoided transmission charge' disclosure from Schedule 3 of the relevant year that meets the new definition of 'purchased assets - avoided transmission charge'
3	Insert disclosure from Schedule 3 of the relevant year
4	Insert 'Electricity authority levies' disclosure from Schedule 3 of the relevant year
5	Insert 'Other specified pass-through costs' disclosure from Schedule 3 of the relevant year
6	Insert 'Non-exempt EDB electricity lines service charge payable to Transpower' disclosure from Schedule 3 of the relevant year
7	Insert the portion of 'avoided transmission charge' disclosure from Schedule 3 of the relevant year that meets the new definition of 'distributed generation allowance'
8	Insert disclosure from Schedule 5a of the relevant year
9	Insert disclosure from Schedule 5a of the relevant year but exclude revaluations if they were included in the disclosed value



Company Name	<u>MainPower New Zealand Ltd</u>
For Year Ended	<u>31/3/2015</u>

## **Schedule 14 Mandatory Explanatory Notes**

1. This schedule requires EDBs to provide explanatory notes to information provided in accordance with clauses 2.3.1, 2.4.21, 2.4.22, and subclauses 2.5.1(1)(f), and 2.5.2(1)(e).
2. This schedule is mandatory—EDBs must provide the explanatory comment specified below, in accordance with clause 2.7.1. Information provided in boxes 1 to 12 of this schedule is part of the audited disclosure information, and so is subject to the assurance requirements specified in section 2.8.
3. Schedule 15 (Voluntary Explanatory Notes to Schedules) provides for EDBs to give additional explanation of disclosed information should they elect to do so.

### *Return on Investment (Schedule 2)*

4. In the box below, comment on return on investment as disclosed in Schedule 2. This comment must include information on reclassified items in accordance with subclause 2.7.1(2).

**Box 1: Explanatory comment on return on investment**

MainPower's Post tax ROI of 6.45% is just below that targeted by MainPower in the Lines Services Pricing Methodology disclosed on the 1<sup>st</sup> April 2014 of 6.90%.

MainPower's Post Tax ROI of 6.45% is within the Mid-Point WACC estimate 25<sup>th</sup> percentile 5.39% and the 75 percentile WACC of 6.82% as posted by the Commerce Commission.

No Items have been reclassified nor have there been any changes in the accounting treatment of expenditure from that adopted last year.

### *Regulatory Profit (Schedule 3)*

5. In the box below, comment on regulatory profit for the disclosure year as disclosed in Schedule 3. This comment must include-
  - 5.1 a description of material items included in other regulated income (other than gains / (losses) on asset disposals), as disclosed in 3(i) of Schedule 3
  - 5.2 information on reclassified items in accordance with subclause 2.7.1(2).

**Box 2: Explanatory comment on regulatory profit**

Other regulated incomes includes: Interest \$.095M related to self insurance fund; Cable rebate \$.254M; Capacity Charges \$.124.

Operation cost include operational expenditure on the network as detailed in schedule 6b \$3.570M and Land, Building and Plant Equipment \$0.775M, Staff expenses \$4.588M, Office expenses \$1.952M, Directors expenses \$0.295M, Community \$0.679M

No Items have been reclassified nor has there been any changes in the accounting treatment of expenditure from that adopted last year.

*Merger and acquisition expenses (3(iv) of Schedule 3)*

6. If the EDB incurred merger and acquisitions expenditure during the disclosure year, provide the following information in the box below-
  - 6.1 information on reclassified items in accordance with subclause 2.7.1(2)
  - 6.2 any other commentary on the benefits of the merger and acquisition expenditure to the EDB.

**Box 3: Explanatory comment on merger and acquisition expenditure**

Not Applicable

*Value of the Regulatory Asset Base (Schedule 4)*

7. In the box below, comment on the value of the regulatory asset base (rolled forward) in Schedule 4. This comment must include information on reclassified items in accordance with subclause 2.7.1(2).

**Box 4: Explanatory comment on the value of the regulatory asset based (rolled forward)**

Network assets commissioned excluding customer contributions amounted to \$19.777M while network assets disposed of amounted to \$1.138M. Non Network Assets purchased amounted to M2.569M; (Motor Vehicles \$0.912, Plant & Equipment \$0.413, Computer Equipment \$0.539 and \$0.705 for building associated with MainPower's relocation of head office following the earthquake).

No Items have been reclassified nor have there been any changes in the accounting treatment of expenditure from that adopted last year.

*Regulatory tax allowance: disclosure of permanent differences (5a(i) of Schedule 5a)*

8. In the box below, provide descriptions and workings of the material items recorded in the following asterisked categories of 5a(i) of Schedule 5a-
  - 8.1 Income not included in regulatory profit / (loss) before tax but taxable;

- 8.2 Expenditure or loss in regulatory profit / (loss) before tax but not deductible;
- 8.3 Income included in regulatory profit / (loss) before tax but not taxable;
- 8.4 Expenditure or loss deductible but not in regulatory profit / (loss) before tax.

**Box 5: Regulatory tax allowance: permanent differences**

	<b>\$,000</b>
Entertainment expenditure	7
Legal and planning expenditure	216
<b>Total</b>	<b>223</b>

*Regulatory tax allowance: disclosure of temporary differences (5a(vi) of Schedule 5a)*

9. In the box below, provide descriptions and workings of material items recorded in the asterisked category 'Tax effect of other temporary differences' in 5a(vi) of Schedule 5a.

**Box 6: Tax effect of other temporary differences (current disclosure year)**

<b>Positive Temporary differences</b>	
	<b>\$M</b>
Employee entitlements deductible for regulatory but not tax	2,122
Provision for expenditure deductible for regulatory but not tax	.047
<b>Total</b>	<b>2,169</b>

<b>Negative Temporary differences</b>	
	<b>\$M</b>
Employee entitlements deductible for tax but not regulatory	2.020
Provision for expenditure deductible for tax but not regulatory	.047
Renewals expenditure expensed for tax and capitalised for regulatory	.983
Adjustments in tax asset register but not RAB	.845
<b>Total</b>	<b>3,895</b>

*Related party transactions: disclosure of related party transactions (Schedule 5b)*

10. In the box below, provide descriptions of related party transactions beyond those disclosed on Schedule 5b including identification and descriptions as to the nature of directly attributable costs disclosed under subclause 2.3.6(1)(b).

**Box 7: Related party transactions**

Vircom Energy Management Services Limited (VEMS) is 77.4% owned by MainPower New Zealand Limited. MainPower New Zealand Limited paid for \$0.032M of inspection work.

*Cost allocation (Schedule 5d)*

11. In the box below, comment on cost allocation as disclosed in Schedule 5d. This comment must include information on reclassified items in accordance with subclause 2.7.1(2).

**Box 8: Cost allocation**

Operating costs were allocated in accordance with clause 2.1.4 of the EDB IM Determination 2012 using the Avoidable costs allocation methodology (ACAM).

No Items have been reclassified nor have there been any changes in the accounting treatment of expenditure from that adopted last year.

*Asset allocation (Schedule 5e)*

12. In the box below, comment on asset allocation as disclosed in Schedule 5e. This comment must include information on reclassified items in accordance with subclause 2.7.1(2).

**Box 9: Commentary on asset allocation**

Assets allocations were allocated in accordance with clause 2.1.4 of the EDB IM Determination 2012 using the Avoidable costs allocation methodology (ACAM) and taking into account materiality of the individual assets involved.

No Items have been reclassified nor have there been any changes in the accounting treatment of expenditure from that adopted last year.

*Capital Expenditure for the Disclosure Year (Schedule 6a)*

13. In the box below, comment on expenditure on assets for the disclosure year, as disclosed in Schedule 6a. This comment must include-
- 13.1 a description of the materiality threshold applied to identify material projects and programmes described in Schedule 6a;

13.2 information on reclassified items in accordance with subclause 2.7.1(2),

**Box 10: Explanation of capital expenditure for the disclosure year**

With regard to 13.1 above with respect to the materiality threshold MainPower has identified projects as part of our AMP forecasts where the expenditure reclassification is greater than \$0.050M.

There were no material expenditure reclassifications.

Non Network Assets amounted to M2.569M; (Motor Vehicles \$0.912, Plant & Equipment \$0.413, Computer Equipment \$0.539 and \$0.705 for building associated with MainPower's relocation of head office following the earthquake).

*Operational Expenditure for the Disclosure Year (Schedule 6b)*

14. In the box below, comment on operational expenditure for the disclosure year, as disclosed in Schedule 6b. This comment must include-

14.1 Commentary on assets replaced or renewed with asset replacement and renewal operational expenditure, as reported in 6b(i) of Schedule 6b;

14.2 Information on reclassified items in accordance with subclause 2.7.1(2);

14.3 Commentary on any material atypical expenditure included in operational expenditure disclosed in Schedule 6b, a including the value of the expenditure the purpose of the expenditure, and the operational expenditure categories the expenditure relates to.

**Box 11: Explanation of operational expenditure for the disclosure year**

Asset replacement and renewal represented 6% of the operational expenditure of which 50% was for the replacement of padlocks on switchgear.

Operation cost include System operations, network support and business support of \$8.590M including Land, Building and Plant Equipment \$0.775M, Staff expenses \$4.588M, Office expenses \$1.952M, Directors expenses \$0.295M, Community \$0.679M

No Items have been reclassified nor have there been any changes in the accounting treatment of expenditure from that adopted last year.

*Variance between forecast and actual expenditure (Schedule 7)*

15. In the box below, comment on variance in actual to forecast expenditure for the disclosure year, as reported in Schedule 7. This comment must include information on reclassified items in accordance with subclause 2.7.1(2).

**Box 12: Explanatory comment on variance in actual to forecast expenditure**

Consumer connection expenditure exceeded forecast by \$2.1M or 24%, mainly due to higher than expected irrigation development and also \$0.3M for a 2 MW DG connection.

The System Growth expenditure was 8% or \$0.82M over forecast, however the purchase of a Rangiora East substation site cost \$1.05M over forecast. The remaining work was \$0.2M or 2% under forecast. The Rangiora West 66kV upgrade project was \$0.7M or 11% over forecast as the program for this work was accelerated. The P25, P65, and Kaiapoi feeder upgrades were not completed resulting in a \$0.7M under run on these projects. A \$0.2M Transpower Culverden GXP upgrade study was not completed in time to be invoiced in 2014.

Asset Replacement and Renewal was \$0.25M under spent due to a reallocation of construction resources to the Rangiora West 66kV project and a very high Consumer connection work.

The RS&E Quality of Supply expenditure \$0.2M under forecast with \$0.06M of work not being completed on the Waipara Kaikoura 66kV upgrade and a \$0.06M regulator installation being deferred.

The RS&E Other expenditure \$0.3M under forecast due a lack of progress with planned underground conversion work. The major project involved work in conjunction with the Kaikoura District Council who delayed their planned work.

Service Interruptions and Emergencies expenditure was \$0.14M above forecast due to mainly as a result of a single high wind event.

Vegetation management was \$0.27M above forecast due to increased cooperation from land owners allowing work following recent widespread outages due to wind events. MainPower has increased its' vegetation budget for future years to maintain a higher standard of clearances.

Routine and corrective maintenance and inspection and Operational asset replacement and renewal were not materially different from forecast.

Non Network capex is down 13% (\$0.296M) principally due to the deferral of expenditure on Motor vehicles, Computer hardware & software and plant & equipment following the relocation of MainPower's operations to its new head office at Southbrook.

Non Network opex is up 49% (\$2.828M) on the forecast of \$5.762M. Recognising the opex costs incurred in 2014 amounted to \$7.266M the initial forecast failed to recognise the continuation of growth with MainPower's region and the need to commit additional resources to meet customer demand and expectations. The principal costs associated with the non network opex were: Land, Building and Plant Equipment \$0.775M, Staff expenses \$4.588M, Office expenses \$1.952M, Directors expenses \$0.295M, Community \$0.679M

No Items have been reclassified nor have there been any changes in the accounting

treatment of expenditure from that adopted last year.

*Information relating to revenues and quantities for the disclosure year*

16. In the box below provide-

- 16.1 a comparison of the target revenue disclosed before the start of the disclosure year, in accordance with clause 2.4.1 and subclause 2.4.3(3) to total billed line charge revenue for the disclosure year, as disclosed in Schedule 8; and
- 16.2 explanatory comment on reasons for any material differences between target revenue and total billed line charge revenue.

**Box 13: Explanatory comment relating to revenue for the disclosure year**

MainPower's targeted revenue to March 2015 as per MainPower's pricing disclosure published in March 2014 was \$48.384M. MainPower's actual revenue to March 2015 was \$52.909M up \$4.525M on estimate (9.35%), with kWh's sold (603,827,846) 48,677,665kWh, 8.06% of budget. During 2014-2015 the Canterbury region experienced drought conditions were MainPower's irrigation demand increase significantly over the summer of 2014-2015. Irrigation units sold increased from 70.989 MWh in 2013-2014 to 100.797MWh in 2014-2015, up 29.808MWh's which accounted for 61% of the growth in 2014-2015. The other major increase experienced was within the Non residential general supply which was up 8.313 MWh's – a reflection of the continuation of the drift north from Christchurch.

*Network Reliability for the Disclosure Year (Schedule 10)*

17. In the box below, comment on network reliability for the disclosure year, as disclosed in Schedule 10.

**Box 14: Commentary on network reliability for the disclosure year**

The normalised SAIFI (B&C) of 1.40 was 13% under the forecast of 1.58.  
The normalised SAIDI (B&C) of 163.4 was 32% above the target of 123.8.  
Half of the SAIDI over run was due to the increased level of planned outages associated with the Rangiora West 66kV and 22kV upgrade. This work will continue for the first half of 2015.  
The remainder can be attributed to a single high wind event.

*Insurance cover*

18. In the box below, provide details of any insurance cover for the assets used to provide electricity distribution services, including-

- 18.1 The EDB's approaches and practices in regard to the insurance of assets used to provide electricity distribution services, including the level of insurance;

- 18.2 In respect of any self insurance, the level of reserves, details of how reserves are managed and invested, and details of any reinsurance.

**Box 15: Explanation of insurance cover**

MainPower does not have insurance cover for its distributions system network other than for zone substations, load plant and contained structures. For the year ended 31 March 2015 the amount of insurance cover for the above assets was \$36.974M.

MainPower maintains a catastrophic self insurance fund of \$3M to provide for such eventualities as earthquakes and major wind storms. During the 2013-2014 financial year MainPower drew down \$1M to fund the June 2013 wind storm.

MainPower has reinstated the Insurance Fund back to \$2.5M during the 2014/2015 and will add a further \$0.5M in the 2015/2016 financial years.

MainPower has included \$.095M of interest income related to this fund in other regulated income as an offset of the cost of self insurance.

MainPower undertakes an actuarial review every 5 years to establish the appropriate funding requirement.

*Amendments to previously disclosed information*

19. In the box below, provide information about amendments to previously disclosed information disclosed in accordance with clause 2.12.1 in the last 7 years, including:
- 19.1 a description of each error; and
  - 19.2 for each error, reference to the web address where the disclosure made in accordance with clause 2.12.1 is publicly disclosed.

**Box 16: Disclosure of amendment to previously disclosed information**

[Insert text here]



Company Name MainPower New Zealand Ltd

For Year Ended 31 March 2015


### **Schedule 14a Mandatory Explanatory Notes on Forecast Information**

1. This Schedule requires EDBs to provide explanatory notes to reports prepared in accordance with clause 2.6.6.
2. This Schedule is mandatory—EDBs must provide the explanatory comment specified below, in accordance with clause 2.7.2. This information is not part of the audited disclosure information, and so is not subject to the assurance requirements specified in section 2.8.

*Commentary on difference between nominal and constant price capital expenditure forecasts (Schedule 11a)*

3. In the box below, comment on the difference between nominal and constant price capital expenditure for the current disclosure year and 10 year planning period, as disclosed in Schedule 11a.


**Box 1: Commentary on difference between nominal and constant price capital expenditure forecasts**



*Commentary on difference between nominal and constant price operational expenditure forecasts (Schedule 11b)*

4. In the box below, comment on the difference between nominal and constant price operational expenditure for the current disclosure year and 10 year planning period, as disclosed in Schedule 11b.

**Box 2: Commentary on difference between nominal and constant price operational expenditure forecasts**



Company Name	<u>MainPower New Zealand Ltd</u>
For Year Ended	<u>31 March 2015</u>

### **Schedule 15 Voluntary Explanatory Notes**

1. This schedule enables EDBs to provide, should they wish to-
  - 1.1 additional explanatory comment to reports prepared in accordance with clauses 2.3.1, 2.4.21, 2.4.22, 2.5.1 and 2.5.2;
  - 1.2 information on any substantial changes to information disclosed in relation to a prior disclosure year, as a result of final wash-ups.
2. Information in this schedule is not part of the audited disclosure information, and so is not subject to the assurance requirements specified in section 2.8.
3. Provide additional explanatory comment in the box below.

**Box 1: Voluntary explanatory comment on disclosed information**

The number of DG connections disclosed in schedule 9e(1) rose sharply. This is to bring the total number of connections over the last 3 years up to our current best estimate of the total number of DG connections. Given that neither the DG customers nor retailers are consistently advising MainPower of the completion of DG connections this is at best a rough estimate.

MainPower sold it's Wigram assets on 31<sup>st</sup> March 15. For the purposes of disclosure, the Wigram assets have been included in schedule 9 and 10 sheets as they affect the outage data etc.

Company Name MainPower New Zealand Ltd

For Year Ended 31 March 2016

## Schedule 14a Mandatory Explanatory Notes on Forecast Information

4. This Schedule requires EDBs to provide explanatory notes to reports prepared in accordance with clause 2.6.6.
5. This Schedule is mandatory—EDBs must provide the explanatory comment specified below, in accordance with clause 2.7.2. This information is not part of the audited disclosure information, and so is not subject to the assurance requirements specified in section 2.8.

### *Commentary on difference between nominal and constant price capital expenditure forecasts (Schedule 11a)*

6. In the box below, comment on the difference between nominal and constant price capital expenditure for the current disclosure year and 10 year planning period, as disclosed in Schedule 11a.

#### **Box 1: Commentary on difference between nominal and constant price capital expenditure forecasts**

In preparing the capital expenditure forecasts MainPower has used the Westpac Economics Forecast Summary Sheet as prepared at the 12 January 2015 by Westpac when establishing the Inflation (CPI) movements for the years 2016 to 2023.

2016	2017	2018	2019	2020	2021	2022	2023	2024	2025
1	2.40%	2.00%	1.70%	1.90%	2.00%	2.20%	2.40%	2.40%	2.40%

### *Commentary on difference between nominal and constant price operational expenditure forecasts (Schedule 11b)*

7. In the box below, comment on the difference between nominal and constant price operational expenditure for the current disclosure year and 10 year planning period, as disclosed in Schedule 11b.

#### **Box 2: Commentary on difference between nominal and constant price operational expenditure forecasts**

In preparing the operational expenditure forecasts MainPower has used the Westpac Economics Forecast Summary Sheet as prepared at the 12 January 2015 by Westpac when establishing the Inflation (CPI) movements for the years 2016 to 2023.

2016	2017	2018	2019	2020	2021	2022	2023	2024	2025
1	2.40%	2.00%	1.70%	1.90%	2.00%	2.20%	2.40%	2.40%	2.40%

## **INDEPENDENT AUDITOR'S REPORT TO THE DIRECTORS OF MAINPOWER NEW ZEALAND LIMITED AND TO THE COMMERCE COMMISSION**

### **Report on the Disclosure Information prepared in accordance with the Electricity Distribution Information Disclosure Determination 2012 (consolidated in 2015)**

We have been engaged by Board of Directors of MainPower New Zealand Limited (the "Company") to conduct a reasonable assurance engagement to provide an opinion on whether schedules 1 to 4, 5a to 5g, 6a to 6b, 7, the SAIDI and SAIFI information disclosed in Schedule 10 and the explanatory notes disclosed in boxes 1 to 12 of Schedule 14 (the "Disclosure Information") of the Company for the disclosure year ended 31 March 2015, have been prepared, in all material respects, in accordance with the Electricity Distribution Information Disclosure Determination 2012 (consolidated in 2015) (the "Determination").

### **Board of Directors' Responsibility for the Disclosure Information**

The Board of Directors are responsible for the preparation of the Disclosure Information in accordance with the Determination. This responsibility includes the design, implementation and maintenance of internal control relevant to the Company's compliance with the Determination.

### **Auditor's Responsibility**

Our responsibility is to express an opinion on whether the Disclosure Information has been prepared, in all material respects, in accordance with the Determination. Our engagement has been conducted in accordance with International Standard on Assurance Engagements (New Zealand) 3000: *Assurance Engagements Other than Audits or Reviews of Historical Financial Information* ("ISAE (NZ) 3000") issued by the New Zealand Auditing and Assurance Standards Board and Standard on Assurance Engagements 3100: *Compliance Engagements* ("SAE 3100") issued by the External Reporting Board, to provide reasonable assurance that the Company has complied with the Determination. Our procedures included:

- reviewing the methodologies used in preparing the Disclosure Information and confirming that they are in accordance with the requirements set out in the Determination;
- identifying key inputs to the information;
- ensuring the information used in preparing the Disclosure Information has been properly extracted from the Company's accounting and other records, sourced from its financial and non-financial systems; and
- ensuring the calculations are mathematically correct.

These procedures have been undertaken to form an opinion as to whether the Disclosure Information has been prepared, in all material respects, in accordance with the Determination for the period 1 April 2014 to 31 March 2015.

We believe that the evidence we have obtained is sufficient and appropriate to provide a basis for our opinion.

### **Inherent Limitations**

Because of the inherent limitations of internal control systems, it is possible that fraud, error or non-compliance may occur and not be detected. As the procedures performed for this engagement are not performed continuously throughout the period 1 April 2014 to 31 March 2015 and the procedures performed in respect of the Company's compliance with the Determination in preparing the Disclosure Information are undertaken on a test basis, our assurance engagement cannot be relied on to detect all instances where the Company may not have complied with the Determination. The opinion expressed in this report has been formed on the above basis.

### **Our Independence and Quality Control**

We have complied with the independence and other ethical requirements of the Professional and Ethical Standard 1 (Revised): *Code of Ethics for Assurance Practitioners* issued by the New Zealand Auditing and Assurance Standards Board, which is founded on fundamental principles of integrity, objectivity, professional competence and due care, confidentiality and professional behaviour.

Other than in our capacity as independent auditor and the provision of other assurance services, we have no relationship with or interests in MainPower New Zealand Limited.

The firm applies Professional and Ethical Standard 3 (Amended): *Quality Control for Firms that Perform Audits and Reviews of Financial Statements, and Other Assurance Engagements* issued by the New Zealand Auditing and Assurance Standards Board, and accordingly maintains a comprehensive system of quality control including documented policies and procedures regarding compliance with ethical requirements, professional standards and applicable legal and regulatory requirements.

## Use of Report

This report is provided solely for the Board of Directors and for the Commerce Commission for the purpose of providing those parties with independent audit assurance whether the Disclosure Information has been prepared, in all material respects, in accordance with the Determination. This report is not to be used for any other purpose, recited or referred to in any document, copied or made available (in whole or in part) to any other person without our prior written consent. We accept or assume no duty, responsibility or liability to any party, other than you, in connection with the report or this engagement including without limitation, liability for negligence in relation to the opinion expressed in this report.

## Opinion

This opinion has been formed on the basis of, and is subject to, the inherent limitations outlined elsewhere in this independent assurance report.

In our opinion:

- As far as appears from an examination of them, proper records to enable the complete and accurate compilation of the Disclosure Information have been kept by the Company;
- The information used in the preparation of the Disclosure Information has been properly extracted from the Company's accounting and other records and has been sourced, where appropriate, from the Company's financial and non-financial systems; and
- The Company has complied with the Determination, in all material respects, in preparing the Disclosure Information.

In forming our opinion, we have obtained sufficient recorded evidence and all the explanations we have required.



**Chartered Accountants**

31 August, 2015

Christchurch, New Zealand

## SCHEDULE 18

### CERTIFICATION FOR YEAR-END DISCLOSURES

Clause 2.9.2 of section 2.9  
Electricity Distribution Information Disclosure Determination 2012

We, WYNTON GILL COX and PETER ANTONY COX, being directors of MainPower New Zealand Limited, certify that, having made all reasonable enquiry, to the best of our knowledge –

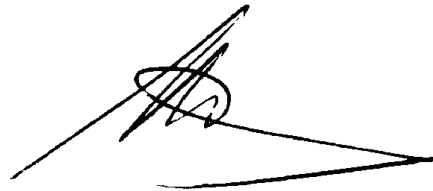
- a) the information prepared for the purposes of clauses 2.3.1 and 2.3.2; and clauses 2.4.21 and 2.4.22; clauses 2.5.1 and 2.5.2; and clause 2.7.1 of the Electricity Distribution Information Disclosure Determination 2012 in all material respects complies with that determination; and
- b) the historical information used in the preparation of Schedules 8, 9a, 9b, 9c, 9d, 9e, 10 and 14 has been properly extracted from MainPower New Zealand Limited's accounting and other records sourced from its financial and non-financial systems, and that sufficient appropriate records have been retained; and

In respect of related party costs and revenues recorded in accordance with clauses 2.3.6(1) (when valued in accordance with clause 2.2.11(5)(h)(ii) of the Electricity Distribution Services Input Methodologies Determination 2010), 2.3.6(1)(f) and 2.3.7(2)(b), we certify that, having made all reasonable enquiry, including enquiries of our related parties, we are satisfied that to the best of our knowledge and belief the costs and revenues recorded for related party transactions reasonably reflect the price or prices that would have been paid or received had these transactions been at arms-length.



WYNTON GILL COX

31 August 2015



PETER ANTONY COX

31 August 2015

