



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

Company Name	MainPower New Zealand Limited
Disclosure Date	31 March 2016
Disclosure Year (year ended)	31 March 2016

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

Table of Contents

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

Disclosure Template Instructions

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

Company Name and Dates

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

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

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

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

Data Entry Cells and Calculated Cells

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

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

Validation Settings on Data Entry Cells

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

Conditional Formatting Settings on Data Entry Cells

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

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

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

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

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

Inserting Additional Rows and Columns

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

Additional rows in schedules 5c, 6a, and 9e must not be inserted directly above the first row or below the last row of a table. This is to ensure that entries made in the new row are included in the totals.

Schedules 5d and 5e may require new cost or asset category rows to be inserted in allocation change tables 5d(iii) and 5e(ii). Accordingly, cell protection has been removed from rows 77 and 78 of the respective templates to allow blocks of rows to be copied. The four steps to add new cost category rows to table 5d(iii) are: Select Excel rows 69:77, copy, select Excel row 78, insert copied cells. Similarly, for table 5e(ii): Select Excel rows 70:78, copy, select Excel row 79, then insert copied cells.

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

Disclosures by Sub-Network

If the supplier has sub-networks, schedules 8, 9a, 9b, 9c, 9e, and 10 must be completed for the network and for each sub-network. A copy of the schedule worksheet(s) must be made for each sub-network and named accordingly.

Schedule References

The references labelled 'sch ref' in the leftmost column of each template are consistent with the row references in the Electricity Distribution ID Determination 2012 (as issued on 24 March 2015). They provide a common reference between the rows in the determination and the template.

Description of Calculation References

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

Worksheet Completion Sequence

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

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

Company Name **MainPower New Zealand Limited**
 For Year Ended **31 March 2016**

SCHEDULE 1: ANALYTICAL RATIOS

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

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

sch ref

7 1(i): Expenditure metrics		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)
8	Operational expenditure	21,524	371	121,527	2,750	26,179
9	Network	5,452	94	30,782	697	6,631
10	Non-network	16,072	277	90,745	2,053	19,548
11						
12						
13	Expenditure on assets	39,325	677	222,040	5,025	47,831
14	Network	35,598	613	200,993	4,548	43,297
15	Non-network	3,728	64	21,047	476	4,534
16						
17	1(ii): Revenue metrics					
18		Revenue per GWh energy delivered to ICPs (\$/GWh)	Revenue per average no. of ICPs (\$/ICP)			
19	Total consumer line charge revenue	89,350	1,538			
20	Standard consumer line charge revenue	97,360	1,497			
21	Non-standard consumer line charge revenue	22,381	1,515,000			
22						
23	1(iii): Service intensity measures					
24						
25	Demand density	23		<i>Maximum coincident system demand per km of circuit length (for supply) (kW/km)</i>		
26	Volume density	128		<i>Total energy delivered to ICPs per km of circuit length (for supply) (MWh/km)</i>		
27	Connection point density	7		<i>Average number of ICPs per km of circuit length (for supply) (ICPs/km)</i>		
28	Energy intensity	17,214		<i>Total energy delivered to ICPs per average number of ICPs (kWh/ICP)</i>		
29						
30	1(iv): Composition of regulatory income					
31				(\$000)	% of revenue	
32	Operational expenditure			13,639	23.88%	
33	Pass-through and recoverable costs excluding financial incentives and wash-ups			13,650	23.90%	
34	Total depreciation			11,491	20.12%	
35	Total revaluations			1,359	2.38%	
36	Regulatory tax allowance			1,509	2.64%	
37	Regulatory profit/(loss) including financial incentives and wash-ups			18,181	31.83%	
38	Total regulatory income			57,111		
39						
40	1(v): Reliability					
41						
42	Interruption rate			15.20		<i>Interruptions per 100 circuit km</i>

Company Name	MainPower New Zealand Limited
For Year Ended	31 March 2016

SCHEDULE 2: REPORT ON RETURN ON INVESTMENT

This schedule requires information on the Return on Investment (ROI) for the EDB relative to the Commerce Commission's estimates of post tax WACC and vanilla WACC. EDBs must calculate their ROI based on a monthly basis if required by clause 2.3.3 of the ID Determination or if they elect to. If an EDB makes this election, information supporting this calculation must be provided in 2(iii).

EDBs must provide explanatory comment on their ROI in Schedule 14 (Mandatory Explanatory Notes).

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

sch ref

2(i): Return on Investment		CY-2	CY-1	Current Year CY
		31 Mar 14	31 Mar 15	31 Mar 16
		%	%	%
7	2(i): Return on Investment			
8				
9	ROI – comparable to a post tax WACC			
10	Reflecting all revenue earned	7.40%	6.45%	7.22%
11	Excluding revenue earned from financial incentives	7.05%	6.13%	7.22%
12	Excluding revenue earned from financial incentives and wash-ups	7.05%	6.13%	7.22%
13				
14	Mid-point estimate of post tax WACC	5.43%	6.10%	5.37%
15	25th percentile estimate	4.71%	5.39%	4.66%
16	75th percentile estimate	6.14%	6.82%	6.09%
17				
18				
19	ROI – comparable to a vanilla WACC			
20	Reflecting all revenue earned	8.00%	8.08%	7.87%
21	Excluding revenue earned from financial incentives	7.66%	7.74%	7.87%
22	Excluding revenue earned from financial incentives and wash-ups	7.66%	7.74%	7.87%
23				
24	WACC rate used to set regulatory price path	N/A	N/A	N/A
25				
26	Mid-point estimate of vanilla WACC	6.11%	6.89%	6.02%
27	25th percentile estimate	5.39%	6.17%	5.30%
28	75th percentile estimate	6.83%	7.60%	6.74%
29				
30	2(ii): Information Supporting the ROI			
31				
32	Total opening RAB value	231,674		
33	plus Opening deferred tax	(4,070)		
34	Opening RIV		227,604	
35				
36	Line charge revenue		56,617	
37				
38	Expenses cash outflow	27,289		
39	add Assets commissioned	25,946		
40	less Asset disposals	146		
41	add Tax payments	153		
42	less Other regulated income	494		
43	Mid-year net cash outflows		52,748	
44				
45	Term credit spread differential allowance		-	
46				
47	Total closing RAB value	247,342		
48	less Adjustment resulting from asset allocation	0		
49	less Lost and found assets adjustment	-		
50	plus Closing deferred tax	(5,426)		
51	Closing RIV		241,916	
52				
53	ROI – comparable to a vanilla WACC			7.87%
54				
55	Leverage (%)			44%
56	Cost of debt assumption (%)			5.26%
57	Corporate tax rate (%)			28%
58				
59	ROI – comparable to a post tax WACC			7.22%
60				

Company Name **MainPower New Zealand Limited**
 For Year Ended **31 March 2016**

SCHEDULE 2: REPORT ON RETURN ON INVESTMENT

This schedule requires information on the Return on Investment (ROI) for the EDB relative to the Commerce Commission's estimates of post tax WACC and vanilla WACC. EDBs must calculate their ROI based on a monthly basis if required by clause 2.3.3 of the ID Determination or if they elect to. If an EDB makes this election, information supporting this calculation must be provided in 2(iii).

EDBs must provide explanatory comment on their ROI in Schedule 14 (Mandatory Explanatory Notes).

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

sch ref

2(iii): Information Supporting the Monthly ROI

61								
62								
63	Opening RIV							N/A
64								
65								
66		Line charge revenue	Expenses cash outflow	Assets commissioned	Asset disposals	Other regulated income	Monthly net cash outflows	
67	April							-
68	May							-
69	June							-
70	July							-
71	August							-
72	September							-
73	October							-
74	November							-
75	December							-
76	January							-
77	February							-
78	March							-
79	Total	-	-	-	-	-		-
80								
81	Tax payments							N/A
82								
83	Term credit spread differential allowance							N/A
84								
85	Closing RIV							N/A
86								
87								
88	Monthly ROI – comparable to a vanilla WACC							N/A
89								
90	Monthly ROI – comparable to a post tax WACC							N/A
91								

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

92			
93			
94	Year-end ROI – comparable to a vanilla WACC		7.56%
95			
96	Year-end ROI – comparable to a post tax WACC		6.91%
97			

* 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.

2(v): Financial Incentives and Wash-Ups

102	Net recoverable costs allowed under incremental rolling incentive scheme							
103	Purchased assets – avoided transmission charge							
104	Energy efficiency and demand incentive allowance							
105	Quality incentive adjustment							
106	Other financial incentives							
107	Financial incentives							-
108								
109	Impact of financial incentives on ROI							-
110								
111	Input methodology claw-back							
112	Recoverable customised price-quality path costs							
113	Catastrophic event allowance							
114	Capex wash-up adjustment							
115	Transmission asset wash-up adjustment							
116	2013–2015 NPV wash-up allowance							
117	Reconsideration event allowance							
118	Other wash-ups							
119	Wash-up costs							-
120								
121	Impact of wash-up costs on ROI							-

Company Name **MainPower New Zealand Limited**
 For Year Ended **31 March 2016**

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	Income	
8	Line charge revenue	56,617
10	plus Gains / (losses) on asset disposals	7
11	plus Other regulated income (other than gains / (losses) on asset disposals)	487
12		
13	Total regulatory income	57,111
14	Expenses	
15	less Operational expenditure	13,639
16		
17	less Pass-through and recoverable costs excluding financial incentives and wash-ups	13,650
18		
19	Operating surplus / (deficit)	29,822
20		
21	less Total depreciation	11,491
22		
23	plus Total revaluations	1,359
24		
25	Regulatory profit / (loss) before tax	19,690
26		
27	less Term credit spread differential allowance	-
28		
29	less Regulatory tax allowance	1,509
30		
31	Regulatory profit/(loss) including financial incentives and wash-ups	18,181
32		
33	3(ii): Pass-through and Recoverable Costs excluding Financial Incentives and Wash-Ups	(\$000)
34	Pass through costs	
35	Rates	264
36	Commerce Act levies	46
37	Industry levies	111
38	CPP specified pass through costs	
39	Recoverable costs excluding financial incentives and wash-ups	
40	Electricity lines service charge payable to Transpower	12,073
41	Transpower new investment contract charges	1,156
42	System operator services	
43	Distributed generation allowance	
44	Extended reserves allowance	
45	Other recoverable costs excluding financial incentives and wash-ups	
46	Pass-through and recoverable costs excluding financial incentives and wash-ups	13,650
47		

Company Name **MainPower New Zealand Limited**
 For Year Ended **31 March 2016**

SCHEDULE 3: REPORT ON REGULATORY PROFIT

This schedule requires information on the calculation of regulatory profit for the EDB for the disclosure year. All EDBs must complete all sections and provide explanatory comment on their regulatory profit in Schedule 14 (Mandatory Explanatory Notes).

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

sch ref

		(\$000)	
		CY-1	CY
		31 Mar 15	31 Mar 16
48	3(iii): Incremental Rolling Incentive Scheme		
49			
50			
51	Allowed controllable opex		
52	Actual controllable opex		
53			
54	Incremental change in year		
55			
		Previous years' incremental change	Previous years' incremental change adjusted for inflation
56			
57	CY-5 31 Mar 11		
58	CY-4 31 Mar 12		
59	CY-3 31 Mar 13		
60	CY-2 31 Mar 14		
61	CY-1 31 Mar 15		
62	Net incremental rolling incentive scheme		-
63			
64	Net recoverable costs allowed under incremental rolling incentive scheme		-
65	3(iv): Merger and Acquisition Expenditure		
70			(\$000)
66	Merger and acquisition expenditure		
67			
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	3(v): Other Disclosures		
70			(\$000)
71	Self-insurance allowance		

Company Name **MainPower New Zealand Limited**
For Year Ended **31 March 2016**

SCHEDULE 4: REPORT ON VALUE OF THE REGULATORY ASSET BASE (ROLLED FORWARD)

This schedule requires information on the calculation of the Regulatory Asset Base (RAB) value to the end of this disclosure year. This informs the ROI calculation in Schedule 2. EDBs must provide explanatory comment on the value of their RAB in Schedule 14 (Mandatory Explanatory Notes). This information is part of audited disclosure information (as defined in section 1.4 of the ID determination), and so is subject to the assurance report required by section 2.8.

sch ref

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

	for year ended				
	RAB 31 Mar 12 (\$000)	RAB 31 Mar 13 (\$000)	RAB 31 Mar 14 (\$000)	RAB 31 Mar 15 (\$000)	RAB 31 Mar 16 (\$000)
Total opening RAB value	192,372	197,056	202,799	221,540	231,674
less Total depreciation	9,432	9,858	10,483	10,976	11,491
plus Total revaluations	3,022	1,693	3,104	185	1,359
plus Assets commissioned	11,094	13,908	26,375	22,346	25,946
less Asset disposals			255	1,421	146
plus Lost and found assets adjustment					-
plus Adjustment resulting from asset allocation					0
Total closing RAB value	197,056	202,799	221,540	231,674	247,342

4(ii): Unallocated Regulatory Asset Base

Total opening RAB value	25,946	25,946	25,946	25,946	25,946
less Total depreciation					
plus Total revaluations					
plus Assets commissioned (other than below)					
Assets acquired from a regulated supplier					
Assets acquired from a related party					
Assets commissioned					
less Asset disposals (other than below)					
Asset disposals to a regulated supplier					
Asset disposals to a related party					
Asset disposals					
plus Lost and found assets adjustment					
plus Adjustment resulting from asset allocation					
Total closing RAB value	25,946	25,946	25,946	25,946	25,946

* The 'unallocated RAB' is the total value of those assets used wholly or partially to provide electricity distribution services without any allowances 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 2016**

SCHEDULE 5a: REPORT ON REGULATORY TAX ALLOWANCE

This schedule requires information on the calculation of the regulatory tax allowance. This information is used to calculate regulatory profit/loss in Schedule 3 (regulatory profit). EDBs must provide explanatory commentary on the information disclosed in this schedule, in Schedule 14 (Mandatory Explanatory Notes).

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

sch ref

		(\$000)	
7	5a(i): Regulatory Tax Allowance		
8	Regulatory profit / (loss) before tax		19,690
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	204	*
12	Amortisation of initial differences in asset values	1,049	
13	Amortisation of revaluations	767	
14			2,020
15			
16	<i>less</i> Total revaluations	1,359	
17	Income included in regulatory profit / (loss) before tax but not taxable		*
18	Discretionary discounts and customer rebates	9,827	
19	Expenditure or loss deductible but not in regulatory profit / (loss) before tax		*
20	Notional deductible interest	5,134	
21			16,320
22			
23	Regulatory taxable income		5,390
24			
25	<i>less</i> Utilised tax losses		
26	Regulatory net taxable income		5,390
27			
28	Corporate tax rate (%)	28%	
29	Regulatory tax allowance		1,509

* 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	15,745	
37	<i>less</i> Amortisation of initial differences in asset values	1,049	
38	<i>plus</i> Adjustment for unamortised initial differences in assets acquired		
39	<i>less</i> Adjustment for unamortised initial differences in assets disposed		
40	Closing unamortised initial differences in asset values		14,696
41			
42	Opening weighted average remaining useful life of relevant assets (years)		15.013
43			

Company Name **MainPower New Zealand Limited**
 For Year Ended **31 March 2016**

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

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

10	11	12	13	14	15	16	17	18	19	20	21	22	23	24	25	26	27
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

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

Company Name **MainPower New Zealand Limited**
 For Year Ended **31 March 2016**

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	Subtransmission lines			
11	Directly attributable	18,190		
12	Not directly attributable			
13	Total attributable to regulated service	18,190		
14	Subtransmission cables			
15	Directly attributable	768		
16	Not directly attributable			
17	Total attributable to regulated service	768		
18	Zone substations			
19	Directly attributable	27,900		
20	Not directly attributable			
21	Total attributable to regulated service	27,900		
22	Distribution and LV lines			
23	Directly attributable	57,923		
24	Not directly attributable			
25	Total attributable to regulated service	57,923		
26	Distribution and LV cables			
27	Directly attributable	49,424		
28	Not directly attributable			
29	Total attributable to regulated service	49,424		
30	Distribution substations and transformers			
31	Directly attributable	40,309		
32	Not directly attributable			
33	Total attributable to regulated service	40,309		
34	Distribution switchgear			
35	Directly attributable	11,179		
36	Not directly attributable			
37	Total attributable to regulated service	11,179		
38	Other network assets			
39	Directly attributable	12,600		
40	Not directly attributable			
41	Total attributable to regulated service	12,600		
42	Non-network assets			
43	Directly attributable	29,049		
44	Not directly attributable			
45	Total attributable to regulated service	29,049		
46				
47	Regulated service asset value directly attributable	247,342		
48	Regulated service asset value not directly attributable	-		
49	Total closing RAB value	247,342		
50				
51	5e(ii): Changes in Asset Allocations* †			
52				
53	Change in asset value allocation 1			
54	Asset category			
55	Original allocator or line items			
56	New allocator or line items			
57				
58	Rationale for change			
59				
60				
61				
62	Change in asset value allocation 2			
63	Asset category			
64	Original allocator or line items			
65	New allocator or line items			
66				
67	Rationale for change			
68				
69				
70				
71	Change in asset value allocation 3			
72	Asset category			
73	Original allocator or line items			
74	New allocator or line items			
75				
76	Rationale for change			
77				
78				
79	* 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 compon			
80	† include additional rows if needed			

Company Name **MainPower New Zealand Limited**

For Year Ended **31 March 2016**

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

7	6a(i): Expenditure on Assets		(\$000)	(\$000)
8	Consumer connection			8,750
9	System growth			9,242
10	Asset replacement and renewal			3,021
11	Asset relocations			36
12	Reliability, safety and environment:			
13	Quality of supply	297		
14	Legislative and regulatory	-		
15	Other reliability, safety and environment	1,210		
16	Total reliability, safety and environment			1,507
17	Expenditure on network assets			22,557
18	Expenditure on non-network assets			2,362
19				
20	Expenditure on assets			24,919
21	plus Cost of financing			-
22	less Value of capital contributions			4,996
23	plus Value of vested assets			
24				
25	Capital expenditure			19,923
26	6a(ii): Subcomponents of Expenditure on Assets (where known)			(\$000)
27	Energy efficiency and demand side management, reduction of energy losses			
28	Overhead to underground conversion			725
29	Research and development			
30	6a(iii): Consumer Connection			
31	Consumer types defined by EDB*		(\$000)	(\$000)
32	Residential		2,906	
33	Other		1,610	
34	Irrigation		4,160	
35	Street light		10	
36	Large User		65	
37	* include additional rows if needed			
38	Consumer connection expenditure			8,750
39				
40	less Capital contributions funding consumer connection expenditure		4,996	
41	Consumer connection less capital contributions			3,754
42	6a(iv): System Growth and Asset Replacement and Renewal			
43				
44				
45	Subtransmission		2,620	248
46	Zone substations		1,299	-
47	Distribution and LV lines		1,077	1,944
48	Distribution and LV cables		1,545	75
49	Distribution substations and transformers		1,794	147
50	Distribution switchgear		458	410
51	Other network assets		449	197
52	System growth and asset replacement and renewal expenditure		9,242	3,021
53	less Capital contributions funding system growth and asset replacement and renewal			
54	System growth and asset replacement and renewal less capital contributions		9,242	3,021
55				
56	6a(v): Asset Relocations			
57	Project or programme*		(\$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	* include additional rows if needed			
64	All other projects or programmes - asset relocations		36	
65	Asset relocations expenditure			36
66	less Capital contributions funding asset relocations			
67	Asset relocations less capital contributions			36

Company Name **MainPower New Zealand Limited**
 For Year Ended **31 March 2016**

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	6a(vi): Quality of Supply			
70	<i>Project or programme*</i>		(\$000)	(\$000)
71	Waipara Kaikoura 66kV		-	
72	ABS replacement with controlled switches		125	
73	Network Automation		116	
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		55	
78	Quality of supply expenditure			297
79	<i>less</i> Capital contributions funding quality of supply			
80	Quality of supply less capital contributions			297
81	6a(vii): Legislative and Regulatory			
82	<i>Project or programme*</i>		(\$000)	(\$000)
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	Legislative and regulatory expenditure			-
91	<i>less</i> Capital contributions funding legislative and regulatory			
92	Legislative and regulatory less capital contributions			-
93	6a(viii): Other Reliability, Safety and Environment			
94	<i>Project or programme*</i>		(\$000)	(\$000)
95	Underground conversion		725	
96	Kaikoura T1 protection upgrade		217	
97	Swannanoa Spark relocation		199	
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		68	
102	Other reliability, safety and environment expenditure			1,210
103	<i>less</i> Capital contributions funding other reliability, safety and environment			
104	Other reliability, safety and environment less capital contributions			1,210
105				
106	6a(ix): Non-Network Assets			
107	Routine expenditure			
108	<i>Project or programme*</i>		(\$000)	(\$000)
109	Land		-	
110	Buildings		15	
111	Motor Vehicles		1,257	
112	Plant and Equipment		789	
113	Computer Hardware and Software		301	
114	<i>* include additional rows if needed</i>			
115	All other projects or programmes - routine expenditure			
116	Routine expenditure			2,362
117	Atypical expenditure			
118	<i>Project or programme*</i>		(\$000)	(\$000)
119				
120				
121				
122				
123				
124	<i>* include additional rows if needed</i>			
125	All other projects or programmes - atypical expenditure			
126	Atypical expenditure			-
127				
128	Expenditure on non-network assets			2,362

Company Name **MainPower New Zealand Limited**
 For Year Ended **31 March 2016**

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

6b(i): Operational Expenditure

	(\$000)	(\$000)
7		
8	1,128	
9	791	
10	1,363	
11	172	
12		3,455
13	4,644	
14	5,540	10,184
15		
16		
17		13,639

6b(ii): Subcomponents of Operational Expenditure (where known)

18		
19	Energy efficiency and demand side management, reduction of energy losses	
20	Direct billing*	90
21	Research and development	
22	Insurance	
23		351

* Direct billing expenditure by suppliers that directly bill the majority of their consumers

Company Name **MainPower New Zealand Limited**
 For Year Ended **31 March 2016**

SCHEDULE 7: COMPARISON OF FORECASTS TO ACTUAL EXPENDITURE

This schedule compares actual revenue and expenditure to the previous forecasts that were made for the disclosure year. Accordingly, this schedule requires the forecast revenue and expenditure information from previous disclosures to be inserted.

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

sch ref

7	7(i): Revenue	Target (\$000) ¹	Actual (\$000)	% variance	
8	Line charge revenue	52,148	56,617	9%	
9	7(ii): Expenditure on Assets	Forecast (\$000) ²	Actual (\$000)	% variance	
10	Consumer connection	9,000	8,750	(3%)	
11	System growth	6,915	9,242	34%	
12	Asset replacement and renewal	3,312	3,021	(9%)	
13	Asset relocations	–	36	–	
14	Reliability, safety and environment:				
15	Quality of supply	780	297	(62%)	
16	Legislative and regulatory	–	–	–	
17	Other reliability, safety and environment	734	1,210	65%	
18	Total reliability, safety and environment	1,514	1,507	(0%)	
19	Expenditure on network assets	20,740	22,557	9%	
20	Expenditure on non-network assets	2,737	2,362	(14%)	
21	Expenditure on assets	23,478	24,919	6%	
22	7(iii): Operational Expenditure				
23	Service interruptions and emergencies	934	1,128	21%	
24	Vegetation management	820	791	(3%)	
25	Routine and corrective maintenance and inspection	1,559	1,363	(13%)	
26	Asset replacement and renewal	222	172	(22%)	
27	Network opex	3,535	3,455	(2%)	
28	System operations and network support	3,121	4,644	49%	
29	Business support	4,586	5,540	21%	
30	Non-network opex	7,707	10,184	32%	
31	Operational expenditure	11,242	13,639	21%	
32	7(iv): Subcomponents of Expenditure on Assets (where known)				
33	Energy efficiency and demand side management, reduction of energy losses		–	–	
34	Overhead to underground conversion	586	725	24%	
35	Research and development		–	–	
36					
37	7(v): Subcomponents of Operational Expenditure (where known)				
38	Energy efficiency and demand side management, reduction of energy losses		90	–	
39	Direct billing		–	–	
40	Research and development		–	–	
41	Insurance	500	351	(30%)	
42					
43	<i>1 From the nominal dollar target revenue for the disclosure year disclosed under clause 2.4.3(3) of this determination</i>				
44	<i>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)</i>				

Company Name
For Year Ended
Network / Sub-Network Name

MainPower New Zealand Limited
31 March 2016

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(1): Billed Quantities by Price Component

Consumer group name or price category code	Consumer type or types (eg, residential, commercial etc.)	Standard or non-standard consumer group (specify)	Average no. of ICPS in disclosure year	Energy delivered to ICPS in disclosure year (MWh)	Price component	Billed quantities by price component					Non Standard	
					Unit charging basis (eg, days, kWh of demand, kVA of capacity, etc)	Distribution Fixed Charge	Distribution Variable Charge	Transmission Variable Charge	Large User Distribution Variable	Large User Transmission Variable	Non Standard Fixed Charge	
						cents / Day	c/AWh	c/AWh	c/AWh	c/AWh	\$/ Day	c/AWh
Tariff 101 MainPower (MP)	Residential Control Supply	Standard	18,536	181,878			181,877,597					
Tariff 102 MP	Residential Uncontrolled Supply	Standard	1,296	12,740			12,740,419					
Tariff 103 MP	Residential Night Special	Standard	1,769	3,566			3,565,631					
Tariff 111 MP	Residential C.S. Low User	Standard	7,849	44,816			44,816,440					
Tariff 112 MP	Residential Unc. Supply Low User	Standard	377	2,210			2,210,498					
Tariff 113 MP	Residential Night Low User	Standard	528	2,719			718,579					
Tariff 121 MP	Non Residential General Supply	Standard	4,972	113,027			113,027,499					
Tariff 122 MP	Temporary Supply	Standard	302	779			778,527					
Tariff 124 MP	Irrigation Xov Connected	Standard	1,166	113,157			113,157,347					
Tariff 125 MP	Council Pumping	Standard	158	9,801			9,800,941					
Tariff 126 MP	Street Lighting	Standard	165	3,232			3,231,834					
Tariff 127 MP	Right of Way	Standard										
Tariff 128 MP	Under-Verrandah Lighting	Standard										
Tariff 130 MP	Large User	Standard	40	48,823					48,823,331			
Tariff 140 MP	Large User	Non standard	1	67,691								67,690,750
Tariff 201 Kaipara (RE)	Residential Control Supply	Standard	993	9,121			9,120,977					
Tariff 202 KE	Residential Uncontrolled Supply	Standard	23	220			219,503					
Tariff 203 KE	Residential Night Special	Standard	123	385			184,956					
Tariff 211 KE	Residential C.S. Low User	Standard	624	3,467			3,467,430					
Tariff 212 KE	Residential Unc. Supply Low User	Standard	9	42			42,233					
Tariff 213 KE	Residential Night Low User	Standard	48	60			60,307					
Tariff 221 KE	Non Residential General Supply	Standard	206	7,027			7,026,550					
Tariff 222 KE	Temporary Supply	Standard	14	8			7,761					
Tariff 225 KE	Council Pumping	Standard	16	972			972,023					
Tariff 226 KE	Street Lighting	Standard	29	355			354,746					
Tariff 227 KE	Right of Way	Standard										
Tariff 228 KE	Under-Verrandah Lighting	Standard										
Tariff 230 KE	Large User	Standard	6	9,762					9,762,793			
Tariff 301 Wigram (W)	Residential Control Supply	Standard	10	16			15,752					
Tariff 302 W	Residential Uncontrolled Supply	Standard	2	(2)			(1,619)					
Tariff 303 W	Residential Night Special	Standard	1	(1)			(989)					
Tariff 311 W	Residential C.S. Low User	Standard	3	1			973					
Tariff 312 W	Residential Unc. Supply Low User	Standard	1	1			1,160					
Tariff 321 W	Non Residential General Supply	Standard	2	(19)			(19,211)					
Tariff 322 W	Temporary Supply	Standard					29					
Adjustment for Customers on multiple Tariffs 103 & 203		Standard										
Add extra rows for additional consumer groups or price category codes as necessary												
Standard consumer totals							507,377,893	507,377,893	58,585,124	58,585,124		
Non-standard consumer totals												67,690,750
Total for all consumers							507,377,893	507,377,893	58,585,124	58,585,124		67,690,750

MainPower New Zealand Limited
31 March 2016

Company Name
For Year Ended
Network / Sub-Network Name

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.

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

Line	Consumer group name or price category code	Consumer type or types (eg residential, commercial etc)	Standard or non-standard consumer group (specify)	Total line charge revenue in disclosure year	Notional revenue foregone from posted discounts (if applicable)	Line charge revenues (\$000) by price component							Add extra columns for additional line charge revenues by price category code as necessary
						Distribution Fixed Charge	Distribution Variable Charge	Transmission Variable Charge	Large User Discount Variable	Large User Transition Variable	Non-Standard Fixed Charge	Non-Standard	
						cents / day	c/kWh	c/kWh	c/kWh	c/kWh	\$/ Day	c/kWh	
31	Tariff 101 MainPower (MP)	Residential Control Supply	Standard	\$18,311		\$1,050	\$13,018	\$4,443					
32	Tariff 102 MP	Residential Uncontrolled Supply	Standard	\$1,459		\$260	\$912	\$897					
33	Tariff 103 MP	Residential Night Special	Standard	\$303		\$43	\$203	\$8					
34	Tariff 111 MP	Residential C.S. Low User	Standard	\$4,097		\$443	\$1,208	\$1,046					
35	Tariff 112 MP	Residential Uncontrolled Supply Low User	Standard	\$282		\$19	\$211	\$52					
36	Tariff 113 MP	Residential Night Low User	Standard	\$63			\$46	\$17					
37	Tariff 121 MP	Non-Residential General Supply	Standard	\$11,679		\$947	\$8,094	\$2,638					
38	Tariff 122 MP	Standard	Standard	\$200		\$109	\$73	\$18					
39	Tariff 124 MP	Irrigation Kw Connected	Standard	\$11,118		\$376	\$8,102	\$2,640					
40	Tariff 125 MP	Council Pumping	Standard	\$941		\$11	\$701	\$229					
41	Tariff 126 MP	Street Lighting	Standard	\$306			\$231	\$75					
42	Tariff 127 MP	Right of Way	Standard										
43	Tariff 128 MP	Under Verandah Lighting	Standard										
44	Tariff 130 MP	Large User	Standard	\$3,362		\$6		\$2,197	\$1,139		\$221	\$1,294	
45	Tariff 140 MP	Large User	Non-Standard	\$1,515									
46	Tariff 201 Kaipoi (RE)	Residential Control Supply	Standard			\$62	\$347	\$345					
47	Tariff 202 KE	Residential Uncontrolled Supply	Standard	\$754		\$5	\$8	\$8					
48	Tariff 203 KE	Residential Night Special	Standard	\$16		\$8	\$7	\$1					
49	Tariff 211 KE	Residential C.S. Low User	Standard	\$301		\$38	\$132	\$131					
50	Tariff 212 KE	Residential Uncontrolled Supply Low User	Standard	\$5			\$3	\$2					
51	Tariff 213 KE	Residential Night Low User	Standard	\$4				\$2					
52	Tariff 221 KE	Non-Residential General Supply	Standard	\$574		\$41	\$267	\$266					
53	Tariff 222 KE	Temporary Supply	Standard	\$5		\$4	\$1	\$1					
54	Tariff 225 KE	Council Pumping	Standard	\$75		\$4	\$37	\$37					
55	Tariff 226 KE	Street Lighting	Standard	\$27			\$14	\$13					
56	Tariff 227 KE	Right of Way	Standard										
57	Tariff 228 KE	Under Verandah Lighting	Standard										
58	Tariff 230 KE	Large User	Standard	\$619		\$1		\$249	\$369				
59	Tariff 301 Wigram (W)	Residential Control Supply	Standard										
60	Tariff 302 W	Residential Uncontrolled Supply	Standard	\$2				\$1					
61	Tariff 303 W	Residential Night Special	Standard										
62	Tariff 311 W	Residential C.S. Low User	Standard										
63	Tariff 312 W	Residential Uncontrolled Supply Low User	Standard										
64	Tariff 321 W	Non-Residential General Supply	Standard										
65	Tariff 322 W	Temporary Supply	Standard										
66													
67													
68													
69													
70													
71													
72													
73													
74													
75													
76													
77													
78													
79													
80													
81													
82													
83													
84													
85													
86													
87													
88													
89													
90													
91													
92													
93													
94													
95													
96													
97													
98													
99													
100													

\$3,463	\$35,617	\$12,668	\$2,446	\$1,508								
\$3,463	\$35,617	\$12,668	\$2,446	\$1,508								

8(iii): Number of ICPs directly billed
Number of directly billed ICPs at year end

\$41,526	\$13,576											
\$1,515												
\$43,041	\$13,576											

Company Name	MainPower New Zealand Limited
For Year Ended	31 March 2016
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 year (quantity)	Items at end of year (quantity)	Net change	Data accuracy (1-4)
8	Voltage	Asset category	Asset class	Units				
9	All	Overhead Line	Concrete poles / steel structure	No.	7,034	7,705	671	3
10	All	Overhead Line	Wood poles	No.	49,115	48,671	(444)	2
11	All	Overhead Line	Other pole types	No.	-	-	-	4
12	HV	Subtransmission Line	Subtransmission OH up to 66kV conductor	km	359	374	15	3
13	HV	Subtransmission Line	Subtransmission OH 110kV+ conductor	km	-	-	-	4
14	HV	Subtransmission Cable	Subtransmission UG up to 66kV (XLPE)	km	4	3	(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 up to 66kV (PILC)	km	-	-	-	4
18	HV	Subtransmission Cable	Subtransmission UG 110kV+ (XLPE)	km	-	-	-	4
19	HV	Subtransmission Cable	Subtransmission UG 110kV+ (Oil pressurised)	km	-	-	-	4
20	HV	Subtransmission Cable	Subtransmission UG 110kV+ (Gas Pressurised)	km	-	-	-	4
21	HV	Subtransmission Cable	Subtransmission UG 110kV+ (PILC)	km	-	-	-	4
22	HV	Subtransmission Cable	Subtransmission submarine cable	km	-	-	-	4
23	HV	Zone substation Buildings	Zone substations up to 66kV	No.	15	15	-	3
24	HV	Zone substation Buildings	Zone substations 110kV+	No.	-	-	-	4
25	HV	Zone substation switchgear	50/66/110kV CB (Indoor)	No.	-	-	-	4
26	HV	Zone substation switchgear	50/66/110kV CB (Outdoor)	No.	5	16	11	4
27	HV	Zone substation switchgear	33kV Switch (Ground Mounted)	No.	-	-	-	3
28	HV	Zone substation switchgear	33kV Switch (Pole Mounted)	No.	70	39	(31)	3
29	HV	Zone substation switchgear	33kV RMU	No.	-	-	-	4
30	HV	Zone substation switchgear	22/33kV CB (Indoor)	No.	10	30	20	3
31	HV	Zone substation switchgear	22/33kV CB (Outdoor)	No.	29	19	(10)	3
32	HV	Zone substation switchgear	3.3/6.6/11/22kV CB (ground mounted)	No.	41	23	(18)	3
33	HV	Zone substation switchgear	3.3/6.6/11/22kV CB (pole mounted)	No.	26	24	(2)	3
34	HV	Zone Substation Transformer	Zone Substation Transformers	No.	26	24	(2)	4
35	HV	Distribution Line	Distribution OH Open Wire Conductor	km	3,278	3,295	17	2
36	HV	Distribution Line	Distribution OH Aerial Cable Conductor	km	-	-	-	4
37	HV	Distribution Line	SWER conductor	km	119	119	0	2
38	HV	Distribution Cable	Distribution UG XLPE or PVC	km	231	248	17	3
39	HV	Distribution Cable	Distribution UG PILC	km	57	56	(1)	3
40	HV	Distribution Cable	Distribution Submarine Cable	km	-	-	-	4
41	HV	Distribution switchgear	3.3/6.6/11/22kV CB (pole mounted) - reclosers and sectionalisers	No.	58	77	19	3
42	HV	Distribution switchgear	3.3/6.6/11/22kV CB (Indoor)	No.	2	14	12	3
43	HV	Distribution switchgear	3.3/6.6/11/22kV Switches and fuses (pole mounted)	No.	9,307	9,454	147	2
44	HV	Distribution switchgear	3.3/6.6/11/22kV Switch (ground mounted) - except RMU	No.	-	-	-	2
45	HV	Distribution switchgear	3.3/6.6/11/22kV RMU	No.	341	348	7	3
46	HV	Distribution Transformer	Pole Mounted Transformer	No.	7,257	7,340	83	4
47	HV	Distribution Transformer	Ground Mounted Transformer	No.	747	769	22	4
48	HV	Distribution Transformer	Voltage regulators	No.	10	12	2	3
49	HV	Distribution Substations	Ground Mounted Substation Housing	No.	725	755	30	2
50	LV	LV Line	LV OH Conductor	km	247	242	(5)	1
51	LV	LV Cable	LV UG Cable	km	605	623	18	3
52	LV	LV Street lighting	LV OH/UG Streetlight circuit	km	397	414	17	3
53	LV	Connections	OH/UG consumer service connections	No.	41,455	42,646	1,191	1
54	All	Protection	Protection relays (electromechanical, solid state and numeric)	No.	310	317	7	3
55	All	SCADA and communications	SCADA and communications equipment operating as a single system	Lot	142	195	53	3
56	All	Capacitor Banks	Capacitors including controls	No.	-	-	-	4
57	All	Load Control	Centralised plant	Lot	8	8	-	4
58	All	Load Control	Relays	No.	25,571	22,914	(2,657)	3
59	All	Civils	Cable Tunnels	km	-	-	-	4

Company Name **MainPower New Zealand Limited**

For Year Ended **31 March 2016**

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	Circuit length by operating voltage (at year end)	Overhead (km)	Underground (km)
11	> 66kV		
12	50kV & 66kV	218	0
13	33kV	156	3
14	SWER (all SWER voltages)	117	2
15	22kV (other than SWER)	945	56
16	6.6kV to 11kV (inclusive—other than SWER)	2,350	247
17	Low voltage (< 1kV)	242	623
18	Total circuit length (for supply)	4,028	932
19			
20	Dedicated street lighting circuit length (km)	18	396
21	Circuit in sensitive areas (conservation areas, iwi territory etc) (km)		
22			
23	Overhead circuit length by terrain (at year end)	(% of total circuit length)	
24	Urban	53	1%
25	Rural	2,409	60%
26	Remote only	1,439	36%
27	Rugged only	128	3%
28	Remote and rugged		—
29	Unallocated overhead lines		—
30	Total overhead length	4,028	100%
31			
32		(% of total circuit length)	
33	Length of circuit within 10km of coastline or geothermal areas (where known)	2,069	42%
34		(% of total overhead length)	
35	Overhead circuit requiring vegetation management	1,796	45%

Company Name **MainPower New Zealand Limited**
 For Year Ended **31 March 2016**

SCHEDULE 9d: REPORT ON EMBEDDED NETWORKS

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

sch ref

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

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

Company Name	MainPower New Zealand Limited
For Year Ended	31 March 2016
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

9e(i): Consumer Connections

Number of ICPs connected in year by consumer type

Consumer types defined by EDB*

Residential
Other
Irrigation
Streetlight
Large User

Number of connections (ICPs)

745
161
64
10
1

* include additional rows if needed

Connections total

981

Distributed generation

Number of connections made in year

141	connections
-----	-------------

Capacity of distributed generation installed in year

0.62	MVA
------	-----

9e(ii): System Demand

Maximum coincident system demand

GXP demand

110

plus Distributed generation output at HV and above

2

Maximum coincident system demand

112

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

-

Demand on system for supply to consumers' connection points

112

Electricity volumes carried

Electricity supplied from GXPs

651

less Electricity exports to GXPs

-

plus Electricity supplied from distributed generation

17

less Net electricity supplied to (from) other EDBs

-

Electricity entering system for supply to consumers' connection points

668

less Total energy delivered to ICPs

634

Electricity losses (loss ratio)

34	5.1%
----	------

Load factor

0.68

9e(iii): Transformer Capacity

Distribution transformer capacity (EDB owned)

521

Distribution transformer capacity (Non-EDB owned, estimated)

5

Total distribution transformer capacity

526

Zone substation transformer capacity

135

Company Name	MainPower New Zealand Limited
For Year Ended	31 March 2016
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 **10(i): Interruptions**

9 **Interruptions by class**

	Number of interruptions
10 Class A (planned interruptions by Transpower)	-
11 Class B (planned interruptions on the network)	571
12 Class C (unplanned interruptions on the network)	182
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 Total	754

20 **Interruption restoration**

	≤3Hrs	>3hrs
22 Class C interruptions restored within	151	31

24 **SAIFI and SAIDI by class**

	SAIFI	SAIDI
25 Class A (planned interruptions by Transpower)	-	-
26 Class B (planned interruptions on the network)	0.38	90.3
27 Class C (unplanned interruptions on the network)	0.80	107.3
28 Class D (unplanned interruptions by Transpower)	0.91	66.1
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 Total	2.09	263.6

36 **Normalised SAIFI and SAIDI**

	Normalised SAIFI	Normalised SAIDI
37 Classes B & C (interruptions on the network)	1.10	151.5

39 **Quality path normalised reliability limit**

	SAIFI reliability limit	SAIDI reliability limit
40 SAIFI and SAIDI limits applicable to disclosure year*		

41 * not applicable to exempt EDBs

Company Name **MainPower New Zealand Limited**

For Year Ended **31 March 2016**

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	0.03	1.5
Vegetation	0.06	2.9
Adverse weather	0.27	59.9
Adverse environment	0.04	12.1
Third party interference	0.15	12.8
Wildlife	0.01	1.4
Human error	0.04	1.9
Defective equipment	0.16	11.0
Cause unknown	0.04	3.9

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

Main equipment involved	SAIFI	SAIDI
Subtransmission lines	0.02	8.4
Subtransmission cables	-	-
Subtransmission other	-	-
Distribution lines (excluding LV)	0.32	70.8
Distribution cables (excluding LV)	0.03	8.1
Distribution other (excluding LV)	0.01	3.0

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

Main equipment involved	SAIFI	SAIDI
Subtransmission lines	0.15	16.8
Subtransmission cables	0.01	0.6
Subtransmission other	-	-
Distribution lines (excluding LV)	0.53	85.2
Distribution cables (excluding LV)	0.05	1.6
Distribution other (excluding LV)	0.06	3.0

10(v): Fault Rate

Main equipment involved	Number of Faults	Circuit length (km)	Fault rate (faults per 100km)
Subtransmission lines	6	371	1.62
Subtransmission cables	1	4	25.00
Subtransmission other	-	-	-
Distribution lines (excluding LV)	146	3,415	4.28
Distribution cables (excluding LV)	5	290	1.72
Distribution other (excluding LV)	24	-	-
Total	182		



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

Company Name	MainPower New Zealand Limited
Disclosure Date	31 March 2016
Disclosure Year (year ended)	31 March 2016

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

Table of Contents

Schedule	Schedule name
5f	REPORT SUPPORTING COST ALLOCATIONS
5g	REPORT SUPPORTING ASSET ALLOCATIONS

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?											Yes
8												
9												
10					Allocator Metric (%)		Value allocated (\$000)				OVABAA allocation increase (\$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		
12	Service interruptions and emergencies											
13												
14												
15												
16												
17	Not directly attributable											
18	Vegetation management											
19												
20												
21												
22												
23	Not directly attributable											
24	Routine and corrective maintenance and inspection											
25												
26												
27												
28												
29	Not directly attributable											
30	Asset replacement and renewal											
31												
32												
33												
34												
35	Not directly attributable											
36	System operations and network support											
37	Staff Expenses	ACAM			100.00%			2,846		2,846		
38	Office Expenses	ACAM			100.00%			922		922		
39	Land, Building and Plant and Equipment	ACAM			100.00%			876		876		
40												
41												
42	Not directly attributable											
43	Business support											
44	Staff Expenses	ACAM			100.00%			3,050		3,050		
45	Office Expenses	ACAM			100.00%			673		673		
46	Land, Building and Plant and Equipment	ACAM			100.00%			141		141		
47	Finance	ACAM			100.00%			392		392		
48	Community	ACAM			100.00%			977		977		
49	Directors	ACAM			100.00%			307		307		
50	Not directly attributable											
51	Operating costs not directly attributable											
52	Pass through and recoverable costs											
53	Pass through costs											
54												
55												
56												
57												
58	Not directly attributable											
59	Recoverable costs											
60												
61												
62												
63												
64	Not directly attributable											
65	* include additional rows if needed											

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												
8	Have assets been allocated in aggregate using ACAM in accordance with clause 2.1.1(3) of the IM Determination?										Yes	
9												
10					Allocator Metric (%)		Value allocated (\$000)					
11	Line Item*	Allocation methodology type	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	Subtransmission lines											
13											-	
14											-	
15											-	
16											-	
17	Not directly attributable							-	-	-	-	-
18	Subtransmission cables											
19											-	
20											-	
21											-	
22											-	
23	Not directly attributable							-	-	-	-	-
24	Zone substations											
25											-	
26											-	
27											-	
28											-	
29	Not directly attributable							-	-	-	-	-
30	Distribution and LV lines											
31											-	
32											-	
33											-	
34											-	
35	Not directly attributable							-	-	-	-	-
36	Distribution and LV cables											
37											-	
38											-	
39											-	
40											-	
41	Not directly attributable							-	-	-	-	-
42												
43	Distribution substations and transformers											
44											-	
45											-	
46											-	
47											-	
48	Not directly attributable							-	-	-	-	-
49												
50	Distribution switchgear											
51											-	
52											-	
53											-	
54											-	
55	Not directly attributable							-	-	-	-	-
56	Other network assets											
57											-	
58											-	
59											-	
60											-	
61	Not directly attributable							-	-	-	-	-
62	Non-network assets											
63											-	
64											-	
65											-	
66											-	
67	Not directly attributable							-	-	-	-	-
68	Regulated service asset value not directly attributable							-	-	-	-	-
69	* include additional rows if needed											
70												

Company Name	<u>MainPower New Zealand Limited</u>
For Year Ended	<u>31st March 2016</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 7.22% is above that targeted by MainPower in the Lines Services Pricing Methodology disclosed on the 1st April 2014 of 6.90%.

MainPower's Post Tax ROI of 7.22% is above the Mid-Point WACC estimate 25th percentile 5.37% and the 75 percentile WACC of 6.09% as posted by the Commerce Commission.

This year's return has been significantly influenced by the drought that the region has experienced over the last two years and the increase irrigation sales (\$1.368M) together with the growth via MainPower large users (\$0.994M).

This increase has been offset by the increased costs associated with the establishment and delivery of a Customer Centric focused organisation.

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 income includes: Interest \$.113M related to MainPower's self insurance fund; Cable rebate \$.151M; Capacity Charges \$.265M.

Operation costs include operational expenditure on the network as detailed in schedule 6b of \$3.455M, Land, Building and Plant Equipment \$0.349M, Staff expenses \$5.896M, Office expenses \$1.752M, Directors expenses \$0.307M, Community \$0.977M.

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 amounted to excluding customer contributions amounted to \$23.584M.

Non Network Assets purchased amounted to \$2.362M; (Motor Vehicles \$1.257, Plant & Equipment \$0.789, Computer Equipment \$0.301 and \$0.015 for buildings).

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	
	\$,000
Entertainment expenditure	5
Legal and planning expenditure	199
Total	204

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)	
Positive Temporary differences	
	\$M
Employee entitlements deductible for regulatory but not tax	1.999
Provision for expenditure deductible for regulatory but not tax	0.241
Total	2.240
Negative Temporary differences	
	\$M
Employee entitlements deductible for tax but not regulatory	1.865
Provision for expenditure deductible for tax but not regulatory	0.636
Renewals expenditure expensed for tax and capitalised for regulatory	2.071
Adjustments in tax asset register but not RAB	0.176
Total	4.748

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 \$0.043M of inspection work on network related assets.

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 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.

Non Network Assets purchased amounted to \$2.362M; (Motor Vehicles \$1.257, Plant & Equipment \$0.789, Computer Equipment \$0.301 and \$0.015 for buildings).

There were no material expenditure reclassifications.

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

\$0.172M renewals expenditure is 50% comprised of refurbishment or disposal of recovered distribution transformers.

Operational cost include operational expenditure on the network as detailed in schedule 6b \$3.455M, Land, Building and Plant Equipment \$0.349M, Other direct operating \$0.668M Staff expenses \$5.896M, Office expenses \$1.595M, Directors expenses \$0.307M, Community \$0.977M

There were no material expenditure reclassifications.

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
Expenditure on Assets was 6% over forecast.

Consumer connection expenditure was only marginally below forecast (-3%).

Growth Expenditure was 34% over forecast. The last stages of the \$22M Waimakariri West 66kV upgrade program finished \$2.4M over forecast. The Ashley GXP load plant and feeder cabling work was \$0.5M over forecast substantially due to changes in Transpowers design requirements for feeder cabling. As a result of these overruns, \$1.0M of work on the Rangiora Eastern feeder and switching station was deferred.

Renewal Expenditure was \$0.3M (9%) below forecast due to \$0.2M of Waipara Kaikoura line maintenance and \$0.1M of switchgear maintenance not being completed.

RS&E Expenditure was on forecast overall however Quality of supply expenditure was 62% below forecast on the Communications system upgrade (-\$0.2M), Waipara Kaikoura line upgrade (-\$0.1M), and Network Automation (-\$0.2M). Other RS&E was 65% higher than forecast on Underground conversion (\$0.14M), Kaikoura protection upgrade (\$0.12M) and the relocation of Spark's equipment adjacent to the Swannanoa substation (\$0.2M).

Expenditure on Non Network assets is down 14% (\$0.375M) principally due to the deferral of expenditure on Computer hardware & software and building infrastructure following the relocation of MainPower's operations to its new head office at Southbrook.

Network operational expenditure was on forecast overall.

Service interruption and emergencies expenditure was 21% above forecast due to a larger than expected number of minor events.

Routine and corrective maintenance and inspection was 13% under forecast, mainly on line maintenance.

Non Network opex is up 32% (\$2.477M) on the forecast of \$7.707M. The increase in cost essentially relates to the establishment of MainPower's new corporate structure for the delivery of a Customer Centric focused organisation. The principal costs associated with the non network opex were: Land, Building and Plant Equipment \$0.349M, Other direct operating \$0.668M Staff expenses \$5.896M, Office expenses \$1.595M, Directors expenses \$0.307M, Community \$0.977M

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

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 lines charge revenue to March 2016 as per MainPower's pricing disclosure published in March 2015 was \$52.148M. MainPower's actual revenue to March 2016 was \$56.617M up \$4.469M on estimate (8.6%), with 633,653,767 kWh's sold 8.2% up.

During 2014-2015 and 2015-2016 the Canterbury region experienced drought conditions resulting in MainPower's irrigation demand increasing significantly.

Irrigation units sold increased from 70.989 MWh in 2013-2014 to 113.157MWh in 2015-2016, up 42.17MWh's (59%) over two years.

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

Network planned and unplanned SAIFI were below forecast. Network planned SAIDI was 30% over forecast due to extended planned outages required to complete the Waimakariri West 66kV upgrade project. Network unplanned SAIDI was 100% over forecast as the fewer faults that occurred were during conditions resulting in longer repair times. The major contributors to the excess unplanned SAIDI were a Transpower protection error in March and a snow storm in June resulting in 38% and 29% respectively of the total unplanned SAIDI. Without these two events, the unplanned SAIDI would be within the forecasted value. The previously mentioned Transpower fault caused 44% of the total SAIFI and 25% of the total SAIDI.

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 2016 the amount of insurance cover for the above assets was \$40.382M.

MainPower maintains a catastrophic self insurance fund of \$3M to provide for such eventualities as earthquakes and major wind storms.

MainPower has included \$.112M 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

SCHEDULE 4: REPORT ON VALUE OF THE REGULATORY ASSET BASE (ROLLED FORWARD)

A review of MainPower’s Work in Progress identified that while renewal expenditure for regulatory purposes had been recognised as capital expenditure the expenditure had not been commissioned in MainPower’s Regulatory Asset Base. The table below disclosures’ the value and categories of capitalised expenditure which have been recognised in the March 2016 “Assets Commissioned”.

	Subtransmission lines	Zone substations	Distribution and LV lines	Distribution and LV cables	Distribution substations and	Distribution switchgear	Other network assets	Total
31-Mar-15	227,168	(8,856)	760,481	(1,724)		60,497	62,043	1,099,609
31-Mar-14	(8,422)		440,666	(16,941)			(3,320)	411,983
31-Mar-13	(21,163)		1,022,553	(23,502)	1,736	(30,547)	86,347	1,035,424
31-Mar-12	60,542	–	612,992	15,136	–	22,703	45,407	756,780
TOTAL	258,125	(8,856)	2,836,692	(27,031)	1,736	52,653	190,477	3,303,796

SCHEDULE 5a: REPORT ON REGULATORY TAX ALLOWANCE

In preparing Schedule 5a (iii) for March 2015– The “Adjustment for unamortised initial differences in assets disposed” was incorrectly shown as a negative value when it should have been positive.

SCHEDULE 5a: REPORT ON REGULATORY TAX ALLOWANCE March 2015

INITIAL DISCLOSURE

		(\$'000)	(\$'000)
5a(iii): Amortisation of Initial Difference in Asset Values			
	Opening unamortised initial differences in asset values	17,335	
less	Amortisation of initial differences in asset values	1,052	
plus	Adjustment for unamortised initial differences in assets acquired		
less	Adjustment for unamortised initial differences in assets disposed	(537)	
	Closing unamortised initial differences in asset values		16,820

CORRECT PRESENTATION

		(\$'000)	(\$'000)
5a(iii): Amortisation of Initial Difference in Asset Values			
	Opening unamortised initial differences in asset values	17,335	
less	Amortisation of initial differences in asset values	1,052	
plus	Adjustment for unamortised initial differences in assets acquired		
less	Adjustment for unamortised initial differences in assets disposed	537	
	Closing unamortised initial differences in asset values		15,746

Schedule 8 (i) Billed Quantities

In preparing the schedule of billed quantities MainPower's disclosure by tariff type double counted 2,826 ICP's relating to tariff codes 103, 113, 203, 213 – Residential Night.

The impact on Schedule 1 Analytical Ratios would be as detailed below.

Metrics	Initial Disclosure March 2015	Amended Disclosure March 2015
Operational Expenditure	285	305
Network	84	90
Non Network	201	215
Expenditure on assets	655	702
Network	595	637
Non Network	60	64
Total consumer line charge revenue	1,239	1,327
Standard Customer	1,203	1,288
Non-standard Customer	1,560,000	1,560,000

Company Name	<u>MainPower New Zealand Ltd</u>
For Year Ended	<u>31 March 2017</u>

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
 In preparing the capital expenditure forecasts MainPower has used the Westpac Economics Forecast Summary Sheet as prepared at the 29 January 2016 by Westpac when establishing the Inflation (CPI) movements for the years 2017 to 2024.

Inflation Westpac										
29-Jan-16	2017	2018	2019	2020	2021	2022	2023	2024	2025	2026
		2.00%	2.20%	1.90%	1.30%	1.40%	1.50%	1.70%	1.90%	1.90%

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
 In preparing the capital expenditure forecasts MainPower has used the Westpac Economics Forecast Summary Sheet as prepared at the 29 January 2016 by Westpac when establishing the Inflation (CPI) movements for the years 2017 to 2024.

Inflation Westpac										
29-Jan-16	2017	2018	2019	2020	2021	2022	2023	2024	2025	2026
		2.00%	2.20%	1.90%	1.30%	1.40%	1.50%	1.70%	1.90%	1.90%

Company Name	<u>MainPower New Zealand Ltd</u>
For Year Ended	<u>31 March 2016</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

SCHEDULE 18

CERTIFICATION FOR YEAR-END DISCLOSURES

Clause 2.9.2 of section 2.9
Electricity Distribution Information Disclosure Determination 2012

We, TREVOR BURT and STEPHEN PAUL LEWIS, 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 clauses 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.



TREVOR BURT

30 August 2016



STEPHEN PAUL LEWIS

30 August 2016



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 the 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 2016, 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 Company's 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 2015 to 31 March 2016.

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 2015 to 31 March 2016 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 a post implementation review of a major capital project, we have no relationship with or interests in MainPower New Zealand Limited or any of its subsidiaries.

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 to the Board of Directors and the Commerce Commission, 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

30 August, 2016

Christchurch, New Zealand