



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

<b>Company Name</b>	MainPower New Zealand Ltd
<b>Disclosure Date</b>	31 August 2021
<b>Disclosure Year (year ended)</b>	31 March 2021

Templates for Schedules 1–10 excluding 5f–5g  
Template Version 4.1. Prepared 21 December 2017

**Table of Contents**

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

## 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 21 December 2017). 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 Ltd**  
 For Year Ended **31 March 2021**

## SCHEDULE 1: ANALYTICAL RATIOS

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

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

sch ref

1(i): Expenditure metrics		Expenditure per GWh energy delivered to ICPs (\$/GWh)	Expenditure per average no. of ICPs (\$/ICP)	expenditure per MW maximum coincident system demand (\$/MW)	Expenditure per km circuit length (\$/km)	expenditure per MVA of capacity from EDB-owned distribution transformers (\$/MVA)
Operational expenditure		29,356	437	144,107	3,560	32,010
Network		8,092	120	39,722	981	8,823
Non-network		21,264	316	104,385	2,579	23,187
Expenditure on assets		42,137	627	206,853	5,111	45,948
Network		36,583	544	179,587	4,437	39,892
Non-network		5,554	83	27,266	674	6,057

  

1(ii): Revenue metrics		Revenue per GWh energy delivered to ICPs (\$/GWh)	Revenue per average no. of ICPs (\$/ICP)
Total consumer line charge revenue		80,138	1,192
Standard consumer line charge revenue		85,966	1,159
Non-standard consumer line charge revenue		23,402	1,365,518

  

1(iii): Service intensity measures			
Demand density	25	Maximum coincident system demand per km of circuit length (for supply) (kW/km)	
Volume density	121	Total energy delivered to ICPs per km of circuit length (for supply) (MWh/km)	
Connection point density	8	Average number of ICPs per km of circuit length (for supply) (ICPs/km)	
Energy intensity	14,873	Total energy delivered to ICPs per average number of ICPs (kWh/ICP)	

  

1(iv): Composition of regulatory income		(\$000)	% of revenue
Operational expenditure		18,388	36.78%
Pass-through and recoverable costs excluding financial incentives and wash-ups		12,154	24.31%
Total depreciation		15,000	30.00%
Total revaluations		3,913	7.83%
Regulatory tax allowance		1,173	2.35%
Regulatory profit/(loss) including financial incentives and wash-ups		7,197	14.39%
<b>Total regulatory income</b>		<b>49,999</b>	

  

1(v): Reliability			
Interruption rate	22.96	Interruptions per 100 circuit km	



Company Name **MainPower New Zealand Ltd**  
 For Year Ended **31 March 2021**

## 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

7	2(i): Return on Investment	CY-2	CY-1	Current Year CY
		31 Mar 19 %	31 Mar 20 %	31 Mar 21 %
8				
9	<b>ROI – comparable to a post tax WACC</b>			
10	Reflecting all revenue earned	3.27%	3.29%	2.53%
11	Excluding revenue earned from financial incentives	3.27%	3.29%	2.53%
12	Excluding revenue earned from financial incentives and wash-ups	3.27%	3.29%	2.53%
13				
14	<b>Mid-point estimate of post tax WACC</b>	4.75%	4.27%	3.72%
15	25th percentile estimate	4.07%	3.59%	3.04%
16	75th percentile estimate	5.43%	4.95%	4.40%
17				
18				
19	<b>ROI – comparable to a vanilla WACC</b>			
20	Reflecting all revenue earned	3.27%	3.72%	2.87%
21	Excluding revenue earned from financial incentives	3.27%	3.72%	2.87%
22	Excluding revenue earned from financial incentives and wash-ups	3.27%	3.72%	2.87%
23				
24	<b>WACC rate used to set regulatory price path</b>	–	–	–
25				
26	<b>Mid-point estimate of vanilla WACC</b>	5.26%	4.69%	4.05%
27	25th percentile estimate	4.58%	4.01%	3.37%
28	75th percentile estimate	5.94%	5.37%	4.73%
29				
30	<b>2(ii): Information Supporting the ROI</b>			
31				
32	Total opening RAB value	257,287		
33	plus Opening deferred tax	(7,340)		
34	<b>Opening RIV</b>		249,947	
35				
36	<b>Line charge revenue</b>		50,198	
37				
38	Expenses cash outflow	30,542		
39	add Assets commissioned	11,149		
40	less Asset disposals	58		
41	add Tax payments	1,341		
42	less Other regulated income	(199)		
43	<b>Mid-year net cash outflows</b>		43,174	
44				
45	<b>Term credit spread differential allowance</b>		–	
46				
47	Total closing RAB value	257,036		
48	less Adjustment resulting from asset allocation	(255)		
49	less Lost and found assets adjustment	–		
50	plus Closing deferred tax	(7,171)		
51	<b>Closing RIV</b>		250,120	
52				
53	<b>ROI – comparable to a vanilla WACC</b>			2.87%
54				
55	Leverage (%)			42%
56	Cost of debt assumption (%)			2.82%
57	Corporate tax rate (%)			28%
58				
59	<b>ROI – comparable to a post tax WACC</b>			2.53%
60				



Company Name **MainPower New Zealand Ltd**  
 For Year Ended **31 March 2021**

**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		2.82%
95			
96	Year-end ROI – comparable to a post tax WACC		2.48%
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**

101			
102	Net recoverable costs allowed under incremental rolling incentive scheme		-
103	Purchased assets – avoided transmission charge		
104	Energy efficiency and demand incentive allowance		
105	Quality incentive adjustment		
106	Other financial incentives		
107	Financial incentives		-
108			
109	Impact of financial incentives on ROI		-
110			
111	Input methodology claw-back		
112	CPP application recoverable costs		
113	Catastrophic event allowance		
114	Capex wash-up adjustment		
115	Transmission asset wash-up adjustment		
116	2013–15 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 Ltd**  
 For Year Ended **31 March 2021**

### 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

7 <b>3(i): Regulatory Profit</b>		(\$000)
8	<b>Income</b>	
9	Line charge revenue	50,198
10	plus Gains / (losses) on asset disposals	(448)
11	plus Other regulated income (other than gains / (losses) on asset disposals)	248
12		
13	<b>Total regulatory income</b>	<b>49,999</b>
14	<b>Expenses</b>	
15	less Operational expenditure	18,388
16		
17	less Pass-through and recoverable costs excluding financial incentives and wash-ups	12,154
18		
19	<b>Operating surplus / (deficit)</b>	<b>19,457</b>
20		
21	less Total depreciation	15,000
22		
23	plus Total revaluations	3,913
24		
25	<b>Regulatory profit / (loss) before tax</b>	<b>8,370</b>
26		
27	less Term credit spread differential allowance	-
28		
29	less Regulatory tax allowance	1,173
30		
31	<b>Regulatory profit/(loss) including financial incentives and wash-ups</b>	<b>7,197</b>
32		
33	<b>3(ii): Pass-through and Recoverable Costs excluding Financial Incentives and Wash-Ups</b>	(\$000)
34	<b>Pass through costs</b>	
35	Rates	313
36	Commerce Act levies	21
37	Industry levies	210
38	CPP specified pass through costs	
39	<b>Recoverable costs excluding financial incentives and wash-ups</b>	
40	Electricity lines service charge payable to Transpower	10,624
41	Transpower new investment contract charges	986
42	System operator services	
43	Distributed generation allowance	
44	Extended reserves allowance	
45	Other recoverable costs excluding financial incentives and wash-ups	
46	<b>Pass-through and recoverable costs excluding financial incentives and wash-ups</b>	<b>12,154</b>
47		





Company Name **MainPower New Zealand Ltd**  
 For Year Ended **31 March 2021**

**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 20	31 Mar 21
48	<b>3(iii): Incremental Rolling Incentive Scheme</b>		
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 16		
58	CY-4 31 Mar 17		
59	CY-3 31 Mar 18		
60	CY-2 31 Mar 19		
61	CY-1 31 Mar 20		
62	<b>Net incremental rolling incentive scheme</b>		-
63			
64	<b>Net recoverable costs allowed under incremental rolling incentive scheme</b>		-
65	<b>3(iv): Merger and Acquisition Expenditure</b>		
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	<b>3(v): Other Disclosures</b>		
70			(\$000)
71	Self-insurance allowance		3,035



Company Name **MainPower New Zealand Ltd**  
 For Year Ended **31 March 2021**

**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 17 (\$000)	RAB 31 Mar 18 (\$000)	RAB 31 Mar 19 (\$000)	RAB 31 Mar 20 (\$000)	RAB 31 Mar 21 (\$000)
7						
8						
9						
10	Total opening RAB value	247,342	253,649	248,091	243,511	257,287
11						
12	less Total depreciation	12,198	12,327	12,577	14,395	15,000
13						
14	plus Total revaluations	5,350	2,770	3,678	6,171	3,913
15						
16	plus Assets commissioned	13,540	5,683	6,656	22,462	11,149
17						
18	less Asset disposals	385	1,684	203	135	58
19						
20	plus Lost and found assets adjustment	-	-	-	-	-
21						
22	plus Adjustment resulting from asset allocation	-	-	(2,134)	(327)	(255)
23						
24	Total closing RAB value	253,649	248,091	243,511	257,287	257,036
25						

4(ii): Unallocated Regulatory Asset Base		Unallocated RAB *		RAB	
		(\$000)	(\$000)	(\$000)	(\$000)
26					
27					
28					
29	Total opening RAB value		259,801		257,287
30	less				
31	Total depreciation		15,000		15,000
32	plus				
33	Total revaluations		3,951		3,913
34	plus				
35	Assets commissioned (other than below)	11,149		11,149	
36	Assets acquired from a regulated supplier				
37	Assets acquired from a related party				
38	Assets commissioned		11,149		11,149
39	less				
40	Asset disposals (other than below)	58		58	
41	Asset disposals to a regulated supplier				
42	Asset disposals to a related party				
43	Asset disposals		58		58
44					
45	plus Lost and found assets adjustment		-		-
46					
47	plus Adjustment resulting from asset allocation				(255)
48					
49	Total closing RAB value		259,843		257,036

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



Company Name **MainPower New Zealand Ltd**  
 For Year Ended **31 March 2021**

**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

51  
52  
53  
54  
55  
56  
57  
58  
59  
60  
61  
62  
63  
64  
65  
66  
67  
68  
69  
70  
71  
72  
73  
74  
75

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

CPI <sub>t</sub>	1,068
CPI <sub>t-4</sub>	1,052
Revaluation rate (%)	1.52%

	Unallocated RAB *		RAB	
	(\$000)	(\$000)	(\$000)	(\$000)
Total opening RAB value	259,801		257,287	
less Opening value of fully depreciated, disposed and lost assets	-		-	
Total opening RAB value subject to revaluation	259,801		257,287	
<b>Total revaluations</b>		<b>3,951</b>		<b>3,913</b>

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

	Unallocated works under construction		Allocated works under construction	
Works under construction—preceding disclosure year		1,225		1,225
plus Capital expenditure	20,934		20,934	
less Assets commissioned	11,149		11,149	
plus Adjustment resulting from asset allocation				
<b>Works under construction - current disclosure year</b>		<b>11,009</b>		<b>11,009</b>

Highest rate of capitalised finance applied



Company Name **MainPower New Zealand Ltd**  
 For Year Ended **31 March 2021**

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

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

sch ref

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

	Unallocated RAB *		RAB	
	(\$000)	(\$000)	(\$000)	(\$000)
79 Depreciation - standard	11,888		11,888	
80 Depreciation - no standard life assets	3,112		3,112	
81 Depreciation - modified life assets				
82 Depreciation - alternative depreciation in accordance with CPP				
83 <b>Total depreciation</b>		15,000		15,000

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

(\$000 unless otherwise specified)

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

\* include additional rows if needed

96 **4(vii): Disclosure by Asset Category**

(\$000 unless otherwise specified)

	Subtransmission lines	Subtransmission cables	Zone substations	Distribution and LV lines	Distribution and LV cables	Distribution substations and transformers	Distribution switchgear	Other network assets	Non-network assets	Total
98 <b>Total opening RAB value</b>	18,015	700	25,825	64,812	51,984	38,174	12,465	15,939	29,374	257,287
100 less Total depreciation	873	32	1,367	3,761	1,948	1,914	1,071	921	3,112	15,000
101 plus Total revaluations	274	11	393	986	791	581	190	242	447	3,913
102 plus Assets commissioned	814	-	1,419	1,623	675	1,561	1,271	308	3,479	11,149
103 less Asset disposals	-	-	-	-	-	-	-	-	58	58
104 plus Lost and found assets adjustment	-	-	-	-	-	-	-	-	-	-
105 plus Adjustment resulting from asset allocation	-	-	-	-	-	-	-	-	(255)	(255)
106 plus Asset category transfers	-	-	-	-	-	-	-	-	-	-
107 <b>Total closing RAB value</b>	18,229	679	26,270	63,659	51,501	38,401	12,853	15,568	29,874	257,036
108 <b>Asset Life</b>										
109 Weighted average remaining asset life	20.6	22.1	18.9	17.2	26.7	19.9	11.6	17.3	9.4	(years)
110 Weighted average expected total asset life	49.7	45.7	34.0	45.6	45.8	44.5	36.0	33.1	16.7	(years)



Company Name **MainPower New Zealand Ltd**  
 For Year Ended **31 March 2021**

**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 22

sch ref

		(\$000)	
7	<b>5a(i): Regulatory Tax Allowance</b>		
8	<b>Regulatory profit / (loss) before tax</b>		8,370
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	-	*
12	Amortisation of initial differences in asset values	1,048	
13	Amortisation of revaluations	1,603	
14			2,651
15			
16	<i>less</i> Total revaluations	3,913	
17	Income included in regulatory profit / (loss) before tax but not taxable	-	*
18	Discretionary discounts and customer rebates	-	
19	Expenditure or loss deductible but not in regulatory profit / (loss) before tax	-	*
20	Notional deductible interest	2,919	
21			6,833
22			
23	<b>Regulatory taxable income</b>		4,188
24			
25	<i>less</i> Utilised tax losses	-	
26	Regulatory net taxable income		4,188
27			
28	Corporate tax rate (%)	28%	
29	<b>Regulatory tax allowance</b>		1,173

\* 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	10,504	
37	<i>less</i> Amortisation of initial differences in asset values	1,048	
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		9,455
41			
42	Opening weighted average remaining useful life of relevant assets (years)		10



Company Name **MainPower New Zealand Ltd**  
 For Year Ended **31 March 2021**

**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 2.2

sch ref

44	<b>5a(iv): Amortisation of Revaluations</b>				<b>(\$000)</b>
45					
46	Opening sum of RAB values without revaluations		228,713		
47					
48	Adjusted depreciation		13,398		
49	Total depreciation		15,000		
50	Amortisation of revaluations			1,603	
51					
52	<b>5a(v): Reconciliation of Tax Losses</b>				<b>(\$000)</b>
53					
54	Opening tax losses		-		
55	plus Current period tax losses		-		
56	less Utilised tax losses		-		
57	Closing tax losses			-	
58	<b>5a(vi): Calculation of Deferred Tax Balance</b>				<b>(\$000)</b>
59					
60	Opening deferred tax		(7,340)		
61					
62	plus Tax effect of adjusted depreciation		3,751		
63					
64	less Tax effect of tax depreciation		3,374		
65					
66	plus Tax effect of other temporary differences*		65		
67					
68	less Tax effect of amortisation of initial differences in asset values		294		
69					
70	plus Deferred tax balance relating to assets acquired in the disclosure year		-		
71					
72	less Deferred tax balance relating to assets disposed in the disclosure year		51		
73					
74	plus Deferred tax cost allocation adjustment		71		
75					
76	Closing deferred tax			(7,171)	
77					
78	<b>5a(vii): Disclosure of Temporary Differences</b>				
79	<i>In Schedule 14, Box 6, provide descriptions and workings of items recorded in the asterisked category in Schedule 5a(vi) (Tax effect of other temporary differences).</i>				
80					
81	<b>5a(viii): Regulatory Tax Asset Base Roll-Forward</b>				
82					<b>(\$000)</b>
83	Opening sum of regulatory tax asset values		238,915		
84	less Tax depreciation		12,051		
85	plus Regulatory tax asset value of assets commissioned		20,353		
86	less Regulatory tax asset value of asset disposals		241		
87	plus Lost and found assets adjustment		-		
88	plus Adjustment resulting from asset allocation		-		
89	plus Other adjustments to the RAB tax value		-		
90	Closing sum of regulatory tax asset values			246,976	



Company Name **MainPower New Zealand Ltd**  
 For Year Ended **31 March 2021**

**SCHEDULE 5b: REPORT ON RELATED PARTY TRANSACTIONS**

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

sch ref

		(\$000)	(\$000)
7	<b>5b(i): Summary—Related Party Transactions</b>		
8	Total regulatory income		
9			
10	Market value of asset disposals		
11			
12	Service interruptions and emergencies	-	
13	Vegetation management	-	
14	Routine and corrective maintenance and inspection	-	
15	Asset replacement and renewal (opex)	-	
16	<b>Network opex</b>		-
17	Business support	-	
18	System operations and network support	-	
19	<b>Operational expenditure</b>		-
20	Consumer connection	-	
21	System growth	-	
22	Asset replacement and renewal (capex)	-	
23	Asset relocations	-	
24	Quality of supply	-	
25	Legislative and regulatory	-	
26	Other reliability, safety and environment	-	
27	<b>Expenditure on non-network assets</b>		-
28	<b>Expenditure on assets</b>		-
29	Cost of financing		
30	Value of capital contributions		
31	Value of vested assets		
32	<b>Capital Expenditure</b>		-
33	<b>Total expenditure</b>		-
34			
35	Other related party transactions		

**5b(iii): Total Opex and Capex Related Party Transactions**

	Name of related party	Nature of opex or capex service provided	Total value of transactions (\$000)
37			
38	Note:		
39	For the year ended 31 March 2021 MainPower New Zealand Ltd ("MainPower") does not have any related party transactions to disclose. MainPower has determined that it's Field Services Team does not fall within the definition of a related party because it:		
40			
41	(a) does not meet the definition of a 'related party' in NZ IAS 24.9 and		
42			
43	(b) supplies both regulated and non-regulated services primarily to the EDB, meaning there is no distinguishable 'part' of the business that supplies non EDB services as per S4.82-4.83 of the Related Parties guidance.		
44			
45			
46			
47			
48			
49			
50			
51			
52			
53	<b>Total value of related party transactions</b>		-

\* include additional rows if needed



Company Name **MainPower New Zealand Ltd**  
 For Year Ended **31 March 2021**

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

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

sch ref

7  
8  
9  
10  
11  
12  
13  
14  
15  
16  
17  
18  
19  
20  
21  
22  
23  
24  
25  
26  
27

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

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

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

<b>Gross term credit spread differential</b>				-
Total book value of interest bearing debt				
Leverage		42%		
Average opening and closing RAB values				
<b>Attribution Rate (%)</b>				-
<b>Term credit spread differential allowance</b>				-





Company Name **MainPower New Zealand Ltd**  
 For Year Ended **31 March 2021**

**SCHEDULE 5d: REPORT ON COST ALLOCATIONS**

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

sch ref

7 **5d(i): Operating Cost Allocations**

		Value allocated (\$000s)				
		Arm's length deduction	Electricity distribution services	Non-electricity distribution services	Total	OVABAA allocation increase (\$000s)
10	<b>Service interruptions and emergencies</b>					
11	Directly attributable		1,158			
12	Not directly attributable	-	-	-	-	
13	<b>Total attributable to regulated service</b>		1,158			
14	<b>Vegetation management</b>					
15	Directly attributable		606			
16	Not directly attributable	-	-	-	-	
17	<b>Total attributable to regulated service</b>		606			
18	<b>Routine and corrective maintenance and inspection</b>					
19	Directly attributable		3,293			
20	Not directly attributable	-	-	-	-	
21	<b>Total attributable to regulated service</b>		3,293			
22	<b>Asset replacement and renewal</b>					
23	Directly attributable		12			
24	Not directly attributable	-	-	-	-	
25	<b>Total attributable to regulated service</b>		12			
26	<b>System operations and network support</b>					
27	Directly attributable		4,952			
28	Not directly attributable	-	4,357	462	4,820	
29	<b>Total attributable to regulated service</b>		9,309			
30	<b>Business support</b>					
31	Directly attributable		80			
32	Not directly attributable	-	3,930	293	4,223	
33	<b>Total attributable to regulated service</b>		4,011			
34						
35	<b>Operating costs directly attributable</b>		10,101			
36	<b>Operating costs not directly attributable</b>	-	8,287	755	9,042	-
37	<b>Operational expenditure</b>		18,388			



Company Name **MainPower New Zealand Ltd**  
 For Year Ended **31 March 2021**

**SCHEDULE 5d: REPORT ON COST ALLOCATIONS**

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

sch ref

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

		(\$000)
40	<b>Pass through and recoverable costs</b>	
41	<b>Pass through costs</b>	
42	Directly attributable	544
43	Not directly attributable	
44	<b>Total attributable to regulated service</b>	544
45	<b>Recoverable costs</b>	
46	Directly attributable	11,610
47	Not directly attributable	
48	<b>Total attributable to regulated service</b>	11,610

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

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

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

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

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

† include additional rows if needed



Company Name **MainPower New Zealand Ltd**  
 For Year Ended **31 March 2021**

**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	<b>Subtransmission lines</b>	
8	Directly attributable	18,229
9	Not directly attributable	
10	<b>Total attributable to regulated service</b>	18,229
11	<b>Subtransmission cables</b>	
12	Directly attributable	679
13	Not directly attributable	
14	<b>Total attributable to regulated service</b>	679
15	<b>Zone substations</b>	
16	Directly attributable	26,270
17	Not directly attributable	
18	<b>Total attributable to regulated service</b>	26,270
19	<b>Distribution and LV lines</b>	
20	Directly attributable	63,659
21	Not directly attributable	
22	<b>Total attributable to regulated service</b>	63,659
23	<b>Distribution and LV cables</b>	
24	Directly attributable	51,501
25	Not directly attributable	
26	<b>Total attributable to regulated service</b>	51,501
27	<b>Distribution substations and transformers</b>	
28	Directly attributable	38,401
29	Not directly attributable	
30	<b>Total attributable to regulated service</b>	38,401
31	<b>Distribution switchgear</b>	
32	Directly attributable	12,853
33	Not directly attributable	
34	<b>Total attributable to regulated service</b>	12,853
35	<b>Other network assets</b>	
36	Directly attributable	15,568
37	Not directly attributable	
38	<b>Total attributable to regulated service</b>	15,568
39	<b>Non-network assets</b>	
40	Directly attributable	
41	Not directly attributable	29,874
42	<b>Total attributable to regulated service</b>	29,874
43	<b>Regulated service asset value directly attributable</b>	227,162
44	<b>Regulated service asset value not directly attributable</b>	29,874
45	<b>Total closing RAB value</b>	257,036

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

\* a change in asset allocation must be completed for each allocator or component change that has occurred in the disclosure year. A movement in an allocator metric is not a change in allocator or component  
 † include additional rows if needed



Company Name **MainPower New Zealand Ltd**  
 For Year Ended **31 March 2021**

**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	<b>6a(i): Expenditure on Assets</b>		(\$000)	(\$000)
8	Consumer connection			6,886
9	System growth			3,899
10	Asset replacement and renewal			9,115
11	Asset relocations			-
12	Reliability, safety and environment:			
13	Quality of supply	195		
14	Legislative and regulatory	27		
15	Other reliability, safety and environment	2,794		
16	<b>Total reliability, safety and environment</b>			3,015
17	<b>Expenditure on network assets</b>			22,915
18	Expenditure on non-network assets			3,479
19				
20	<b>Expenditure on assets</b>			26,394
21	plus Cost of financing			
22	less Value of capital contributions			5,461
23	plus Value of vested assets			
24				
25	<b>Capital expenditure</b>			20,934
26	<b>6a(ii): Subcomponents of Expenditure on Assets (where known)</b>			(\$000)
27	Energy efficiency and demand side management, reduction of energy losses			
28	Overhead to underground conversion			
29	Research and development			
30	<b>6a(iii): Consumer Connection</b>			
31	Consumer types defined by EDB*		(\$000)	(\$000)
32	Residential		4,431	
33	General		1,384	
34	Irrigation		213	
35	Other		857	
36				
37	* include additional rows if needed			
38	<b>Consumer connection expenditure</b>			6,886
39				
40	less Capital contributions funding consumer connection expenditure		5,274	
41	<b>Consumer connection less capital contributions</b>			1,612
42	<b>6a(iv): System Growth and Asset Replacement and Renewal</b>			
43				
44				
45	Subtransmission		-	-
46	Zone substations		3,638	68
47	Distribution and LV lines		-	6,096
48	Distribution and LV cables		0	372
49	Distribution substations and transformers		-	1,367
50	Distribution switchgear		-	1,194
51	Other network assets		261	18
52	<b>System growth and asset replacement and renewal expenditure</b>		3,899	9,115
53	less Capital contributions funding system growth and asset replacement and renewal		65	-
54	<b>System growth and asset replacement and renewal less capital contributions</b>		3,834	9,115
55				
56	<b>6a(v): Asset Relocations</b>			
57	Project or programme*		(\$000)	(\$000)
58	Network Major Projects		-	
59	Network Reinforcement		-	
60	Network Replacement		-	
61	Network Support & Monitoring		-	
62				
63	* include additional rows if needed			
64	All other projects or programmes - asset relocations			
65	<b>Asset relocations expenditure</b>			-
66	less Capital contributions funding asset relocations			
67	<b>Asset relocations less capital contributions</b>			-



Company Name **MainPower New Zealand Ltd**  
 For Year Ended **31 March 2021**

**SCHEDULE 6a: REPORT ON CAPITAL EXPENDITURE FOR THE DISCLOSURE YEAR**

This schedule requires a breakdown of capital expenditure on assets incurred in the disclosure year, including any assets in respect of which capital contributions are received, but excluding assets that are vested assets. Information on expenditure on assets must be provided on an accounting accruals basis and must exclude finance costs. EDBs must provide explanatory comment on their expenditure on assets in Schedule 14 (Explanatory Notes to Templates). This information is part of audited disclosure information (as defined in section 1.4 of the ID determination), and so is subject to the assurance report required by section 2.8.

sch ref

68				
69	<b>6a(vi): Quality of Supply</b>			
70	<i>Project or programme*</i>		(\$000)	(\$000)
71	Distribution Lines		184	
72	Distribution Switchgear		1	
73	Other Network Assets		10	
74				
75				
76	<i>* include additional rows if needed</i>			
77	All other projects programmes - quality of supply			
78	<b>Quality of supply expenditure</b>			195
79	less Capital contributions funding quality of supply		95	
80	<b>Quality of supply less capital contributions</b>			99
81	<b>6a(vii): Legislative and Regulatory</b>			
82	<i>Project or programme*</i>		(\$000)	(\$000)
83	Right of Use Assets		27	
84			-	
85			-	
86			-	
87			-	
88	<i>* include additional rows if needed</i>			
89	All other projects or programmes - legislative and regulatory			
90	<b>Legislative and regulatory expenditure</b>			27
91	less Capital contributions funding legislative and regulatory			
92	<b>Legislative and regulatory less capital contributions</b>			27
93	<b>6a(viii): Other Reliability, Safety and Environment</b>			
94	<i>Project or programme*</i>		(\$000)	(\$000)
95	Distribution and LV Cables		436	
96	Distribution and LV Lines		1,346	
97	Distribution Substations and Transformers		8	
98	Distribution Switchgear		324	
99	Sub Transmission		680	
100	<i>* include additional rows if needed</i>			
101	All other projects or programmes - other reliability, safety and environment			
102	<b>Other reliability, safety and environment expenditure</b>			2,794
103	less Capital contributions funding other reliability, safety and environment		27	
104	<b>Other reliability, safety and environment less capital contributions</b>			2,768
105				
106	<b>6a(ix): Non-Network Assets</b>			
107	<b>Routine expenditure</b>			
108	<i>Project or programme*</i>		(\$000)	(\$000)
109	Land & Buildings		32	
110	Motor Vehicles		484	
111	Plant & Equipment		56	
112	Office Furniture & Fittings and Computer Hardware		175	
113	Computer Software		2,732	
114	<i>* include additional rows if needed</i>			
115	All other projects or programmes - routine expenditure			
116	<b>Routine expenditure</b>			3,479
117	<b>Atypical expenditure</b>			
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	<b>Atypical expenditure</b>			-
127				
128	<b>Expenditure on non-network assets</b>			3,479



Company Name **MainPower New Zealand Ltd**  
 For Year Ended **31 March 2021**

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

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

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

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

sch ref		(\$000)	(\$000)
7	<b>6b(i): Operational Expenditure</b>		
8	Service interruptions and emergencies	1,158	
9	Vegetation management	606	
10	Routine and corrective maintenance and inspection	3,293	
11	Asset replacement and renewal	12	
12	<b>Network opex</b>		5,069
13	System operations and network support	9,309	
14	Business support	4,011	
15	<b>Non-network opex</b>		13,320
16			
17	<b>Operational expenditure</b>		18,388
18	<b>6b(ii): Subcomponents of Operational Expenditure (where known)</b>		
19	Energy efficiency and demand side management, reduction of energy losses		
20	Direct billing*		
21	Research and development		
22	Insurance		756
23	* Direct billing expenditure by suppliers that directly bill the majority of their consumers		



Company Name **MainPower New Zealand Ltd**  
 For Year Ended **31 March 2021**

## 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

		Target (\$000) <sup>1</sup>	Actual (\$000)	% variance
7	<b>7(i): Revenue</b>			
8	Line charge revenue	48,900	50,198	3%
9	<b>7(ii): Expenditure on Assets</b>			
10	Consumer connection	4,500	6,886	53%
11	System growth	6,249	3,899	(38%)
12	Asset replacement and renewal	8,000	9,115	14%
13	Asset relocations	–	–	–
14	Reliability, safety and environment:			
15	Quality of supply	192	195	1%
16	Legislative and regulatory	–	27	–
17	Other reliability, safety and environment	2,962	2,794	(6%)
18	<b>Total reliability, safety and environment</b>	3,154	3,015	(4%)
19	<b>Expenditure on network assets</b>	21,903	22,915	5%
20	Expenditure on non-network assets	7,000	3,479	(50%)
21	Expenditure on assets	28,903	26,394	(9%)
22	<b>7(iii): Operational Expenditure</b>			
23	Service interruptions and emergencies	700	1,158	65%
24	Vegetation management	921	606	(34%)
25	Routine and corrective maintenance and inspection	4,179	3,293	(21%)
26	Asset replacement and renewal	–	12	–
27	<b>Network opex</b>	5,800	5,069	(13%)
28	System operations and network support	6,180	9,309	51%
29	Business support	7,210	4,011	(44%)
30	<b>Non-network opex</b>	13,390	13,320	(1%)
31	<b>Operational expenditure</b>	19,190	18,388	(4%)
32	<b>7(iv): Subcomponents of Expenditure on Assets (where known)</b>			
33	Energy efficiency and demand side management, reduction of energy losses	–	–	–
34	Overhead to underground conversion	–	–	–
35	Research and development	–	–	–
36				
37	<b>7(v): Subcomponents of Operational Expenditure (where known)</b>			
38	Energy efficiency and demand side management, reduction of energy losses	–	–	–
39	Direct billing	–	–	–
40	Research and development	–	–	–
41	Insurance	745	756	2%
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 **MainPower New Zealand Ltd**  
 For Year Ended **31 March 2021**  
 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 charge revenues (\$000) by price component

Consumer group name or price category code	Consumer type or types (eg, residential, commercial etc.)	Standard or non-standard consumer group (specify)	Total line charge revenue in disclosure year	Notional revenue foregone from posted discounts (if applicable)
All Inclusive Low User MPAILL	Residential	Standard	\$6,902	\$633
All Inclusive Standard User MPAISTD	Residential	Standard	\$13,919	\$5,025
Council Pumping MPCOUNPUMP	Community	Standard	\$684	\$41
Irrigation MPIRR	Commercial	Standard	\$7,967	\$332
Non-Residential - Large Users MPLGEUSER	Commercial	Standard	\$3,581	\$63
All Inclusive with Night Only Low User MPNILU	Residential	Standard	\$560	\$52
All Inclusive with Night Only Standard User MPNISTD	Residential	Standard	\$1,309	\$470
Non-Residential MPNONRES	Commercial	Standard	\$11,190	\$835
Streetlighting MPSTLGT	Commercial	Standard	\$347	\$16
Temporary Supply MPTEMP	Commercial	Standard	\$111	-
All Inclusive with Night Only Low User MPUCLLU	Residential	Standard	\$537	\$47
All Inclusive with Night Only Standard User MPUCSTD	Residential	Standard	\$1,729	\$485
To Be Accrued Consumption as at 15/07/2021	Commercial	Standard	(\$3)	-
ICP's Direct Supply	Commercial	Non-standard [Select one]	\$1,366	-
<i>Add extra rows for additional consumer groups or price category codes as necessary</i>				
Standard consumer totals			\$48,832	\$7,998
Non-standard consumer totals			\$1,366	-
Total for all consumers			\$50,198	\$7,998

Total distribution line charge revenue	Total transmission line charge revenue (if available)	Rate (eg, \$ per day, \$ per kWh, etc.)
\$6,024	\$878	
\$10,278	\$3,641	
\$501	\$183	
\$5,908	\$2,059	
\$2,454	\$1,127	
\$485	\$75	
\$964	\$345	
\$9,231	\$1,959	
\$250	\$98	
\$96	\$15	
\$477	\$60	
\$1,369	\$360	
(\$2)	(\$0)	
\$221	\$1,144	
<i>Add extra rows for additional consumer groups or price category codes as necessary</i>		
\$38,034	\$10,799	
\$221	\$1,144	
\$38,255	\$11,943	

Distribution Fixed Charge	Transmission Fixed Charge	Distribution Variable Charge	Transmission Variable Charge	Large User Distribution Variable Charge	Large User Transmission Variable Charge	Non Standard Fixed Charge	Non Standard
Days	Days	kWh	kWh	kWh	kWh	kWh	kWh
\$863	\$230	\$5,161	\$647				
\$6,737	\$2,988	\$3,542	\$653				
\$200	\$136	\$301	\$48				
\$1,606	\$1,399	\$4,302	\$661				
\$307	\$851			\$2,147	\$275		
\$68	\$18	\$417	\$57				
\$623	\$278	\$340	\$67				
\$4,046	\$1,479	\$5,185	\$480				
\$78	-	\$171	\$98				
\$71	\$14	\$25	\$1				
\$73	\$21	\$404	\$39				
\$681	\$296	\$688	\$64				
		(\$2)	(\$0)				
						\$221	\$1,144
<i>Add extra columns for additional line charge revenues by price component as necessary</i>							
\$15,353	\$7,710	\$20,533	\$2,813	\$2,147	\$275	-	-
-	-	-	-	-	-	\$221	\$1,144
\$15,353	\$7,710	\$20,533	\$2,813	\$2,147	\$275	\$221	\$1,144

**8(iii): Number of ICPs directly billed**

Number of directly billed ICPs at year end

Check

Company Name **MainPower New Zealand Ltd**

For Year Ended **31 March 2021**

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

	Voltage	Asset category	Asset class	Units	Items at start of year (quantity)	Items at end of year (quantity)	Net change	Data accuracy (1-4)
8	All	Overhead Line	Concrete poles / steel structure	No.	8,687	9,047	360	3
9	All	Overhead Line	Wood poles	No.	48,357	47,886	(471)	3
10	All	Overhead Line	Other pole types	No.	-	-	-	N/A
11	HV	Subtransmission Line	Subtransmission OH up to 66kV conductor	km	385	385	(0)	3
12	HV	Subtransmission Line	Subtransmission OH 110kV+ conductor	km	-	-	-	N/A
13	HV	Subtransmission Cable	Subtransmission UG up to 66kV (XLPE)	km	5	5	(0)	3
14	HV	Subtransmission Cable	Subtransmission UG up to 66kV (Oil pressurised)	km	-	-	-	N/A
15	HV	Subtransmission Cable	Subtransmission UG up to 66kV (Gas pressurised)	km	-	-	-	N/A
16	HV	Subtransmission Cable	Subtransmission UG up to 66kV (PILC)	km	-	-	-	N/A
17	HV	Subtransmission Cable	Subtransmission UG 110kV+ (XLPE)	km	-	-	-	N/A
18	HV	Subtransmission Cable	Subtransmission UG 110kV+ (Oil pressurised)	km	-	-	-	N/A
19	HV	Subtransmission Cable	Subtransmission UG 110kV+ (Gas Pressurised)	km	-	-	-	N/A
20	HV	Subtransmission Cable	Subtransmission UG 110kV+ (PILC)	km	-	-	-	N/A
21	HV	Subtransmission Cable	Subtransmission submarine cable	km	-	-	-	N/A
22	HV	Zone substation Buildings	Zone substations up to 66kV	No.	15	15	-	3
23	HV	Zone substation Buildings	Zone substations 110kV+	No.	-	-	-	N/A
24	HV	Zone substation switchgear	50/66/110kV CB (Indoor)	No.	30	-	(30)	3
25	HV	Zone substation switchgear	50/66/110kV CB (Outdoor)	No.	13	13	-	3
26	HV	Zone substation switchgear	33kV Switch (Ground Mounted)	No.	-	-	-	N/A
27	HV	Zone substation switchgear	33kV Switch (Pole Mounted)	No.	54	54	-	3
28	HV	Zone substation switchgear	33kV RMU	No.	-	-	-	N/A
29	HV	Zone substation switchgear	22/33kV CB (Indoor)	No.	30	31	1	3
30	HV	Zone substation switchgear	22/33kV CB (Outdoor)	No.	20	19	(1)	3
31	HV	Zone substation switchgear	3.3/6.6/11/22kV CB (ground mounted)	No.	18	17	(1)	3
32	HV	Zone substation switchgear	3.3/6.6/11/22kV CB (pole mounted)	No.	21	21	-	3
33	HV	Zone Substation Transformer	Zone Substation Transformers	No.	26	26	-	4
34	HV	Distribution Line	Distribution OH Open Wire Conductor	km	3,285	3,356	71	2
35	HV	Distribution Line	Distribution OH Aerial Cable Conductor	km	-	-	-	N/A
36	HV	Distribution Line	SWER conductor	km	119	119	(0)	2
37	HV	Distribution Cable	Distribution UG XLPE or PVC	km	281	297	16	2
38	HV	Distribution Cable	Distribution UG PILC	km	53	55	2	2
39	HV	Distribution Cable	Distribution Submarine Cable	km	-	-	-	N/A
40	HV	Distribution switchgear	3.3/6.6/11/22kV CB (pole mounted) - reclosers and sectionalisers	No.	78	81	3	3
41	HV	Distribution switchgear	3.3/6.6/11/22kV CB (Indoor)	No.	46	45	(1)	3
42	HV	Distribution switchgear	3.3/6.6/11/22kV Switches and fuses (pole mounted)	No.	9,718	9,792	74	2
43	HV	Distribution switchgear	3.3/6.6/11/22kV Switch (ground mounted) - except RMU	No.	-	-	-	N/A
44	HV	Distribution switchgear	3.3/6.6/11/22kV RMU	No.	370	387	17	3
45	HV	Distribution Transformer	Pole Mounted Transformer	No.	7,487	7,508	21	2
46	HV	Distribution Transformer	Ground Mounted Transformer	No.	820	831	11	3
47	HV	Distribution Transformer	Voltage regulators	No.	22	22	-	3
48	HV	Distribution Substations	Ground Mounted Substation Housing	No.	817	824	7	2
49	LV	LV Line	LV OH Conductor	km	225	235	10	2
50	LV	LV Cable	LV UG Cable	km	691	715	24	2
51	LV	LV Street lighting	LV OH/UG Streetlight circuit	km	534	536	2	2
52	LV	Connections	OH/UG consumer service connections	No.	44,604	45,466	862	1
53	All	Protection	Protection relays (electromechanical, solid state and numeric)	No.	310	311	1	3
54	All	SCADA and communications	SCADA and communications equipment operating as a single system	Lot	224	215	(9)	2
55	All	Capacitor Banks	Capacitors including controls	No.	-	-	-	N/A
56	All	Load Control	Centralised plant	Lot	8	8	-	3
57	All	Load Control	Relays	No.	11,298	11,294	(4)	1
58	All	Civils	Cable Tunnels	km	-	-	-	N/A
59								



Company Name **MainPower New Zealand Ltd**

For Year Ended **31 March 2021**

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

		Overhead (km)	Underground (km)	Total circuit length (km)
9				
10	<b>Circuit length by operating voltage (at year end)</b>			
11	> 66kV	–	–	–
12	50kV & 66kV	223	0	224
13	33kV	162	4	166
14	SWER (all SWER voltages)	117	2	119
15	22kV (other than SWER)	983	66	1,048
16	6.6kV to 11kV (inclusive—other than SWER)	2,373	286	2,660
17	Low voltage (< 1kV)	235	714	949
18	<b>Total circuit length (for supply)</b>	<b>4,092</b>	<b>1,072</b>	<b>5,165</b>
19				
20	Dedicated street lighting circuit length (km)	64	473	537
21	Circuit in sensitive areas (conservation areas, iwi territory etc) (km)			
22				
23	<b>Overhead circuit length by terrain (at year end)</b>			
24	Urban	49	1%	
25	Rural	2,417	59%	
26	Remote only	129	3%	
27	Rugged only	1,440	35%	
28	Remote and rugged		–	
29	Unallocated overhead lines	58	1%	
30	<b>Total overhead length</b>	<b>4,092</b>	<b>100%</b>	
31				
32				
33	Length of circuit within 10km of coastline or geothermal areas (where known)	2,222	43%	
34				
35	Overhead circuit requiring vegetation management	2,017	49%	

Company Name **MainPower New Zealand Ltd**  
 For Year Ended **31 March 2021**

**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 Ltd
For Year Ended	31 March 2021
Network / Sub-network Name	

**SCHEDULE 9e: REPORT ON NETWORK DEMAND**

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

sch ref

8  
9  
10  
11  
12  
13  
14  
15  
16  
17  
18  
19  
20  
21  
22  
23  
24  
25  
26  
27  
28  
29  
30  
31  
32  
33  
34  
35  
36  
37  
38  
39  
40  
41  
42  
43  
44  
45  
46  
47

**9e(i): Consumer Connections**

Number of ICPs connected in year by consumer type

Consumer types defined by EDB\*

Residential
General
Irrigation
Council Pumping

\* include additional rows if needed

Number of connections (ICPs)

767
82
11
1

Connections total

861
-----

**Distributed generation**

Number of connections made in year

154
-----

connections

Capacity of distributed generation installed in year

0.83
------

MVA

**9e(ii): System Demand**

**Maximum coincident system demand**

GXP demand

128
-----

plus Distributed generation output at HV and above

128
-----

**Maximum coincident system demand**

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

128
-----

**Demand on system for supply to consumers' connection points**

128
-----

Demand at time of maximum coincident demand (MW)

**Electricity volumes carried**

Electricity supplied from GXPs

642
-----

less Electricity exports to GXPs

24
----

plus Electricity supplied from distributed generation

less Net electricity supplied to (from) other EDBs

666
-----

**Electricity entering system for supply to consumers' connection points**

less Total energy delivered to ICPs

626
-----

**Electricity losses (loss ratio)**

39
----

5.9%

**Load factor**

0.60
------

**9e(iii): Transformer Capacity**

Distribution transformer capacity (EDB owned)

574
-----

Distribution transformer capacity (Non-EDB owned, estimated)

5
---

**Total distribution transformer capacity**

580
-----

**Zone substation transformer capacity**

132
-----

(MVA)

Company Name	MainPower New Zealand Ltd
For Year Ended	31 March 2021
Network / Sub-network Name	

**SCHEDULE 10: REPORT ON NETWORK RELIABILITY**

This schedule requires a summary of the key measures of network reliability (interruptions, SAIFI, SAIFI and fault rate) for the disclosure year. EDBs must provide explanatory comment on their network reliability for the disclosure year in Schedule 14 (Explanatory notes to templates). The SAIFI and SAIDI information is part of audited disclosure information (as defined in section 1.4 of the ID determination), and so is subject to the assurance report required by section 2.8.

sch ref

8	<b>10(i): Interruptions</b>		
9	<b>Interruptions by class</b>	<b>Number of interruptions</b>	
10	Class A (planned interruptions by Transpower)		
11	Class B (planned interruptions on the network)	618	
12	Class C (unplanned interruptions on the network)	568	
13	Class D (unplanned interruptions by Transpower)		
14	Class E (unplanned interruptions of EDB owned generation)		
15	Class F (unplanned interruptions of generation owned by others)		
16	Class G (unplanned interruptions caused by another disclosing entity)		
17	Class H (planned interruptions caused by another disclosing entity)		
18	Class I (interruptions caused by parties not included above)		
19	<b>Total</b>	1,186	
20			
21	<b>Interruption restoration</b>	<b>≤3Hrs</b>	<b>&gt;3hrs</b>
22	Class C interruptions restored within	415	153
23			
24	<b>SAIFI and SAIDI by class</b>	<b>SAIFI</b>	<b>SAIDI</b>
25	Class A (planned interruptions by Transpower)		
26	Class B (planned interruptions on the network)	0.60	170.7
27	Class C (unplanned interruptions on the network)	1.70	150.7
28	Class D (unplanned interruptions by Transpower)		
29	Class E (unplanned interruptions of EDB owned generation)		
30	Class F (unplanned interruptions of generation owned by others)		
31	Class G (unplanned interruptions caused by another disclosing entity)		
32	Class H (planned interruptions caused by another disclosing entity)		
33	Class I (interruptions caused by parties not included above)		
34	<b>Total</b>	2.30	321.4
35			
36	<b>Normalised SAIFI and SAIDI</b>	<b>Normalised SAIFI</b>	<b>Normalised SAIDI</b>
37	Classes B & C (interruptions on the network)	2.18	297.2
38			



Company Name **MainPower New Zealand Ltd**

For Year Ended **31 March 2021**

Network / Sub-network Name

**SCHEDULE 10: REPORT ON NETWORK RELIABILITY**

This schedule requires a summary of the key measures of network reliability (interruptions, SAIDI, SAIFI and fault rate) for the disclosure year. EDBs must provide explanatory comment on their network reliability for the disclosure year in Schedule 14 (Explanatory notes to templates). The SAIFI and SAIDI information is part of audited disclosure information (as defined in section 1.4 of the ID determination), and so is subject to the assurance report required by section 2.8.

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

Cause	SAIFI	SAIDI
Lightning	0.00	0.2
Vegetation	0.06	5.3
Adverse weather	0.15	28.4
Adverse environment	0.00	0.8
Third party interference	0.42	53.8
Wildlife	0.09	5.7
Human error	0.40	9.5
Defective equipment	0.39	32.7
Cause unknown	0.17	14.4

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

Main equipment involved	SAIFI	SAIDI
Subtransmission lines	0.01	3.5
Subtransmission cables	0.04	0.7
Subtransmission other		
Distribution lines (excluding LV)	0.42	133.9
Distribution cables (excluding LV)	0.11	27.4
Distribution other (excluding LV)	0.02	5.1

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

Main equipment involved	SAIFI	SAIDI
Subtransmission lines	0.22	16.0
Subtransmission cables	-	-
Subtransmission other	0.01	0.7
Distribution lines (excluding LV)	1.34	121.3
Distribution cables (excluding LV)	0.13	12.7
Distribution other (excluding LV)	0.00	0.1

**10(v): Fault Rate**

Main equipment involved	Number of Faults	Circuit length (km)	Fault rate (faults per 100km)
Subtransmission lines	6	384	1.56
Subtransmission cables	-	4	-
Subtransmission other	1		
Distribution lines (excluding LV)	534	3,290	16.23
Distribution cables (excluding LV)	18	333	5.41
Distribution other (excluding LV)	9		
<b>Total</b>	<b>568</b>		





Company Name MainPower New Zealand Ltd

For Year Ended 31-March-2021

## Schedule 14 Mandatory Explanatory Notes

*(Guidance Note: This Microsoft Word version of Schedules 14, 14a and 15 is from the Electricity Distribution Information Disclosure Determination 2012 – as amended and consolidated 3 April 2018. Clause references in this template are to that determination)*

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 11 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 2.53% is lower than both the 3.72% mid-point and 3.04% 25<sup>th</sup> percentile estimates provided by the Commerce Commission, reflective of the \$8.0m of notional revenue foregone from posted discounts ("rebates"). Total lines charge revenue although \$1.9m lower than prior year was \$1.3m higher than expected due to an extended irrigation season and heightened domestic consumption during Covid-19. It is also worth noting that assets commissioned of \$11.1m (used in the ROI cashflow calculation) does not include the additional cash outflows associated with a \$9.8m increase in assets under construction.*

### *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**

*Regulatory profit before tax is \$8.4m compared to \$10.2m in FY2020. The main areas of fluctuation year-on year was in the CPI % reduced from 2.53% to 1.52% resulting in a reduction in revaluations from \$6.2m in FY2020 to \$3.9m in FY2021.*

*Other regulated income (other than gains/(losses) on asset disposals) is comprised of interest revenue on MainPower's self-insurance fund and revenue relating to sundry network charges for capacity upgrades and connection fees.*

*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)**

*Of the capital expenditure (net of capital contributions) on the RAB of \$20.9m, \$11.0m remains in works under construction resulting in additions to the RAB of \$11.1m (\$1.2m of which was in opening works under construction).*

*Depreciation and disposals for the year totalled \$15.0m (FY2020: \$14.3m) and revaluations were \$3.9m (FY2020: \$6.2m).*

*Adjustments resulting for asset allocation were \$255k (FY2020: \$327k).*

*The value of the unallocated RAB increased by \$42k to \$259.8m (FY2020: \$259.8m), whereas due to the reduction from the asset allocation the allocated RAB decreased by \$251k to \$257.0m (FY2020: \$257.3m).*

*Right-of-Use assets of \$3.7m is included in the above RAB closing balances (FY2020: \$4.6m).*

*There were not any items reclassified or any changes in the accounting treatment of expenditure from those 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**

*There are no permanent differences in the tax calculation.*

*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)**

*Temporary differences of \$65k related to \$96k for movements in Employee Entitlement Provisions and -\$31k for movements in Other Provisions.*

*Cost allocation (Schedule 5d)*

10. 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 7: Cost allocation**

*Operating costs were allocated using the Accounting based allocation approach (ABAA).*

*Costs of \$755k have been allocated to Non-electricity distribution services in FY2021.*

*There were not any items reclassified or any changes in the accounting treatment of expenditure from those adopted last year.*

*Asset allocation (Schedule 5e)*

11. 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 8: Commentary on asset allocation**

*Asset costs were allocated using the Accounting based allocation approach (ABAA).*

*Costs of \$257k have been allocated to Non-electricity distribution services in FY2021.*

*No items were reclassified or there were no changes in the accounting treatment of expenditure from that adopted last year.*

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

12. In the box below, comment on expenditure on assets for the disclosure year, as disclosed in Schedule 6a. This comment must include-
- 12.1 a description of the materiality threshold applied to identify material projects and programmes described in Schedule 6a;
  - 12.2 information on reclassified items in accordance with subclause 2.7.1(2).

**Box 9: Explanation of capital expenditure for the disclosure year**

*Capital expenditure of \$20.9m net of capital contributions was made up of \$17.4m on Network assets and \$3.5m on Non-network assets, of which \$11.0m remains as works under construction.*

*With regard to 12.1 above, the materiality threshold MainPower has applied is identified projects that form part of the AMP forecasts, where the expenditure reclassification is greater than \$50k.*

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

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

13. In the box below, comment on operational expenditure for the disclosure year, as disclosed in Schedule 6b. This comment must include-
  - 13.1 Commentary on assets replaced or renewed with asset replacement and renewal operational expenditure, as reported in 6b(i) of Schedule 6b;
  - 13.2 Information on reclassified items in accordance with subclause 2.7.1(2);
  - 13.3 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 10: Explanation of operational expenditure for the disclosure year**

*Operational expenditure on the network of \$5.1m as detailed in Schedule 6b.*

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

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

14. 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 11: Explanatory comment on variance in actual to forecast expenditure**

*Capital expenditure on Network assets was 5% above forecast of \$21.9m at \$22.9m a variance of 5%.*

*Consumer connections accounted for a variance of \$2.3m due to greater than expected demand for new residential connections.*

*System growth expenditure was lower than forecast due to a delay in the implementation of the Southbrook Zone Station upgrade project. Additionally, equipment procurement delays influenced the delivery of the Ashley Zone Substation 33kV security upgrade, with an overall 6% reduction in expenditure in the category of reliability, safety and environment.*

*Asset replacement and renewal expenditure was 14% above forecast as the work program to deliver the network work program was accelerated following a disrupted start to the year.*

*Network capital expenditure was within 5% of the FY2020 AMP forecast.*

*Network operational expenditure was 13% lower than forecast due to a 21% reduction in routine and corrective maintenance expenditure, offset by an increase in service interruption costs. Vegetation management was lower than forecast for the financial year.*

*Non-network operating expenditure is within 1% of target through systems operations and network support is 51% up on target and business support is 44% under target.*

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

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

15. In the box below provide-

- 15.1 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
- 15.2 explanatory comment on reasons for any material differences between target revenue and total billed line charge revenue.

**Box 12: Explanatory comment relating to revenue for the disclosure year**

*Total volumes and therefore lines revenue is greater than the target set out in MainPower's Pricing Methodology. For 2021 the actual lines revenue (net of notional revenue foregone from posted discounts or "rebates") of \$50.2m was \$1.3m (3%) higher than the target of \$48.9m but \$1.9m lower than prior year lines revenue of \$52.1m. Actual units sold of 626.4 GWh was 16.4 GWh (3%) higher than the target volume assumption of 610.0 GWh. This was due largely to climatic variation leading to higher consumption by irrigation consumers and higher consumption by domestic consumers driven by Covid-19 factors.*

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

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

**Box 13: Commentary on network reliability for the disclosure year**

*Network reliability measurements for 2021 were calculated on the same basis as in the previous year for the first 6 months and following 6 months used the new ADMS system and Tableau BI tool to develop the reporting.*

*10(i): The number of planned interruptions decreased in the 2021 reporting period. This was due to better scheduling and delivery of our AMP work program requiring less interruptions for our customers. COVID had an impact on planned works during April. Unplanned interruptions increased during the reporting period, primarily because of human error, weather related events and third-party interference. Most of these events related to the failure of generation on our network that was implemented in the hopes of avoiding outages.*

*10(ii): Improvements to the delivery of our asset management program resulted in a decrease in Class B SAIDI and SAIFI. Class C outages are weighted towards weather related events and consequential vegetation impacts on the overhead lines, as well as a number of third-party interferences that caused wide spread and long duration outages. Human error events and defect equipment also significantly contributed to Class C outages.*

*10(iii): The equipment involved in planned Class B interruptions related predominantly to overhead distribution lines and cables. This was as a result of the delivery of our work program which has a heavy focus on overhead assets such as poles.*

*10(iv) and 10(v): The main equipment involved in Class C interruptions were overhead distribution lines. This correlates with weather, vegetation and third-party related events that were the major contributors to causes of SAIDI and SAIFI over the disclosure period.*

*Insurance cover*

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

- 17.1 The EDB's approaches and practices in regard to the insurance of assets used to provide electricity distribution services, including the level of insurance;
- 17.2 In respect of any self insurance, the level of reserves, details of how reserves are managed and invested, and details of any reinsurance.

**Box 14: Explanation of insurance cover**

*MainPower has extensive insurance cover for structures such as zone substations and plant, however it is uneconomic to insure the distribution network Eg poles and conductors.*

*As disclosed in 3(v) MainPower maintains a separate self-insurance fund to cover damage caused to uninsured parts of the Network caused by catastrophic events (such as earthquakes and storms). This fund is currently \$3.0m and is invested in bank term deposits.*

*Amendments to previously disclosed information*

18. 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:
  - 18.1 a description of each error; and
  - 18.2 for each error, reference to the web address where the disclosure made in accordance with clause 2.12.1 is publicly disclosed.

**Box 15: Disclosure of amendment to previously disclosed information**

*In section 3(ii) of the FY2020 disclosures MainPower disclosed Electricity lines service charges payable to Transpower of \$12.98m. This figure should have been shown as \$12.87m electricity lines service charge payable to Transpower and \$101,000 of distributed generation allowance being ACOT paid up until October 2019. This is not considered to be a material error under clause 2.12 of the Information Disclosure Determination.*

*Schedule 9c of the FY2020 disclosures showed 218km of overhead line as being >66kV. This was incorrect and the number should have been recorded across the lower voltages. The FY2021 shows the correct breakdown of overhead line.*



Company Name \_\_\_\_\_

For Year Ended \_\_\_\_\_

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

*(In this Schedule, clause references are to the Electricity Distribution Information Disclosure Determination 2012 – as amended and consolidated 3 April 2018.)*

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**

N/A

*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**

N/A

Company Name	<u>MainPower New Zealand Ltd</u>
For Year Ended	<u>31-March-2021</u>

## Schedule 15 Voluntary Explanatory Notes

*(In this Schedule, clause references are to the Electricity Distribution Information Disclosure Determination 2012 – as amended and consolidated 3 April 2018.)*

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**

*In respect of Schedule 9a, Asset Register, entries in the “Items at start of year” column have been corrected from earlier disclosures as data capture and reporting has improved. Notes to changes in the following categories are: -*

- *50/66/110kV CB (Indoor), where the number of circuit breakers has previously been repeated in the sub category 22/33kV CB (Indoor),*
- *Distribution OH Open Wire Conductor, where the circuit length reported in FY2020 included lengths of disconnected conductors, and*
- *The number of relays reported in the FY2020 Information Disclosure was derived from ICPs that had relays installed, but where the installation did not contain an Advanced Meter Installation (as is MainPower’s direction when electricity meters are changed to AMIs). Recently published information from the Electricity Authority Registry shows that certain meter installations still have relays installed and the number of relays reported in this year’s information disclosure is extracted from the relays reported by the Electricity Authority Registry.*