



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

Company Name	MainPower
Disclosure Date	31 August 2022
Disclosure Year (year ended)	31 March 2022

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

Table of Contents

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

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
For Year Ended	31 March 2022

SCHEDULE 1: ANALYTICAL RATIOS

This schedule calculates expenditure, revenue and service ratios from the information disclosed. The disclosed ratios may vary for reasons that are company specific and, as a result, must be interpreted with care. The Commerce Commission will publish a summary and analysis of information disclosed in accordance with the ID determination. This will include information disclosed in accordance with this and other schedules, and information disclosed under the other requirements of the determination. This information is part of audited disclosure information (as defined in section 1.4 of the ID determination), and so is subject to the assurance report required by section 2.8.

sch ref

7	1(i): Expenditure metrics				
8		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)
9	Operational expenditure				Expenditure per MVA of capacity from EDB-owned distribution transformers (\$/MVA)
10	Network	34,273	496	173,109	4,136
11	Non-network	10,871	157	54,908	1,312
12		23,402	338	118,201	2,824
13	Expenditure on assets	48,115	696	243,020	5,806
14	Network	45,852	663	231,591	5,533
15	Non-network	2,263	33	11,429	273
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	82,790	1,197		
20	Standard consumer line charge revenue	88,926	1,163		
21	Non-standard consumer line charge revenue	24,764	1,477,374		
22					
23	1(iii): Service intensity measures				
24					
25	Demand density	24		<i>Maximum coincident system demand per km of circuit length (for supply) (kW/km)</i>	
26	Volume density	121		<i>Total energy delivered to ICPs per km of circuit length (for supply) (MWh/km)</i>	
27	Connection point density	8		<i>Average number of ICPs per km of circuit length (for supply) (ICPs/km)</i>	
28	Energy intensity	14,463		<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			21,380	41.80%
33	Pass-through and recoverable costs excluding financial incentives and wash-ups			12,759	24.95%
34	Total depreciation			17,347	33.92%
35	Total revaluations			17,810	34.82%
36	Regulatory tax allowance			325	0.63%
37	Regulatory profit/(loss) including financial incentives and wash-ups			17,146	33.52%
38	Total regulatory income			51,148	
39					
40	1(v): Reliability				
41					
42	Interruption rate			28.11	<i>Interruptions per 100 circuit km</i>



Company Name **MainPower**
 For Year Ended **31 March 2022**

SCHEDULE 2: REPORT ON RETURN ON INVESTMENT

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

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

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

sch ref

		CY-2	CY-1	Current Year CY
		31 Mar 20	31 Mar 21	31 Mar 22
		%	%	%
7	2(i): Return on Investment			
8				
9	ROI – comparable to a post tax WACC			
10	Reflecting all revenue earned	3.29%	2.53%	6.33%
11	Excluding revenue earned from financial incentives	3.29%	2.53%	6.33%
12	Excluding revenue earned from financial incentives and wash-ups	3.29%	2.53%	6.33%
13				
14	Mid-point estimate of post tax WACC	4.27%	3.72%	3.52%
15	25th percentile estimate	3.59%	3.04%	2.84%
16	75th percentile estimate	4.95%	4.40%	4.20%
17				
18				
19	ROI – comparable to a vanilla WACC			
20	Reflecting all revenue earned	3.72%	2.87%	6.63%
21	Excluding revenue earned from financial incentives	3.72%	2.87%	6.63%
22	Excluding revenue earned from financial incentives and wash-ups	3.72%	2.87%	6.63%
23				
24	WACC rate used to set regulatory price path			
25				
26	Mid-point estimate of vanilla WACC	4.69%	4.05%	3.82%
27	25th percentile estimate	4.01%	3.37%	3.14%
28	75th percentile estimate	5.37%	4.73%	4.50%
29				
30	2(ii): Information Supporting the ROI			
31				
32	Total opening RAB value	257,036		
33	plus Opening deferred tax	(7,171)		
34	Opening RIV		249,865	
35				
36	Line charge revenue		51,645	
37				
38	Expenses cash outflow	34,139		
39	add Assets commissioned	25,337		
40	less Asset disposals	426		
41	add Tax payments	96		
42	less Other regulated income	(497)		
43	Mid-year net cash outflows		59,644	
44				
45	Term credit spread differential allowance		–	
46				
47	Total closing RAB value	282,321		
48	less Adjustment resulting from asset allocation	(89)		
49	less Lost and found assets adjustment	–		
50	plus Closing deferred tax	(7,399)		
51	Closing RIV		275,011	
52				
53	ROI – comparable to a vanilla WACC			6.63%
54				
55	Leverage (%)			42%
56	Cost of debt assumption (%)			2.55%
57	Corporate tax rate (%)			28%
58				
59	ROI – comparable to a post tax WACC			6.33%
60				



Company Name **MainPower**
 For Year Ended **31 March 2022**

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).

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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							-

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							6.53%
95								
96	Year-end ROI – comparable to a post tax WACC							6.23%
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**
 For Year Ended **31 March 2022**

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	3(i): Regulatory Profit	(\$000)
8	Income	
9	Line charge revenue	51,645
10	plus Gains / (losses) on asset disposals	(829)
11	plus Other regulated income (other than gains / (losses) on asset disposals)	332
12		
13	Total regulatory income	51,148
14	Expenses	
15	less Operational expenditure	21,380
16		
17	less Pass-through and recoverable costs excluding financial incentives and wash-ups	12,759
18		
19	Operating surplus / (deficit)	17,009
20		
21	less Total depreciation	17,347
22		
23	plus Total revaluations	17,810
24		
25	Regulatory profit / (loss) before tax	17,471
26		
27	less Term credit spread differential allowance	-
28		
29	less Regulatory tax allowance	325
30		
31	Regulatory profit/(loss) including financial incentives and wash-ups	17,146
32		
33	3(ii): Pass-through and Recoverable Costs excluding Financial Incentives and Wash-Ups	(\$000)
34	Pass through costs	
35	Rates	340
36	Commerce Act levies	97
37	Industry levies	205
38	CPP specified pass through costs	
39	Recoverable costs excluding financial incentives and wash-ups	
40	Electricity lines service charge payable to Transpower	11,140
41	Transpower new investment contract charges	978
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	12,759
47		



Company Name **MainPower**
 For Year Ended **31 March 2022**

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 21	31 Mar 22
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 17		
58	CY-4 31 Mar 18		
59	CY-3 31 Mar 19		
60	CY-2 31 Mar 20		
61	CY-1 31 Mar 21		
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		3,048



Company Name **MainPower**
 For Year Ended **31 March 2022**

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.

		for year ended				
		RAB 31 Mar 18 (\$000)	RAB 31 Mar 19 (\$000)	RAB 31 Mar 20 (\$000)	RAB 31 Mar 21 (\$000)	RAB 31 Mar 22 (\$000)
4(i): Regulatory Asset Base Value (Rolled Forward)						
	Total opening RAB value	253,649	248,091	243,511	257,287	257,036
	less Total depreciation	12,327	12,577	14,395	15,000	17,347
	plus Total revaluations	2,770	3,678	6,171	3,913	17,810
	plus Assets commissioned	5,683	6,656	22,462	11,149	25,337
	less Asset disposals	1,684	203	135	58	426
	plus Lost and found assets adjustment	-	-	-	-	-
	plus Adjustment resulting from asset allocation	-	(2,134)	(327)	(255)	(89)
	Total closing RAB value	248,091	243,511	257,287	257,036	282,321

		Unallocated RAB *		RAB	
		(\$000)	(\$000)	(\$000)	(\$000)
4(ii): Unallocated Regulatory Asset Base					
	Total opening RAB value		259,843		257,036
	less Total depreciation		17,347		17,347
	plus Total revaluations		18,004		17,810
	plus Assets commissioned (other than below)	25,337		25,337	
	Assets acquired from a regulated supplier				
	Assets acquired from a related party				
	Assets commissioned		25,337		25,337
	less Asset disposals (other than below)	426		426	
	Asset disposals to a regulated supplier				
	Asset disposals to a related party				
	Asset disposals		426		426
	plus Lost and found assets adjustment				
	plus Adjustment resulting from asset allocation				(89)
	Total closing RAB value		285,411		282,321

* 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**
 For Year Ended **31 March 2022**

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

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

sch ref

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

CPI ₄	1,142
CPI ₄ ⁻⁴	1,068
Revaluation rate (%)	6.93%

	Unallocated RAB *		RAB	
	(\$000)	(\$000)	(\$000)	(\$000)
Total opening RAB value	259,843		257,036	
less Opening value of fully depreciated, disposed and lost assets				
Total opening RAB value subject to revaluation	259,843		257,036	
Total revaluations		18,004		17,810

4(iv): Roll Forward of Works Under Construction

	Unallocated works under construction		Allocated works under construction	
Works under construction—preceding disclosure year		11,009		11,009
plus Capital expenditure	24,483		24,483	
less Assets commissioned	25,337		25,337	
plus Adjustment resulting from asset allocation				
Works under construction - current disclosure year		10,155		10,155
Highest rate of capitalised finance applied				



Company Name **MainPower**
 For Year Ended **31 March 2022**

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(v): Regulatory Depreciation

	Unallocated RAB *		RAB	
	(\$000)	(\$000)	(\$000)	(\$000)
Depreciation - standard	12,917		12,917	
Depreciation - no standard life assets	4,430		4,430	
Depreciation - modified life assets				
Depreciation - alternative depreciation in accordance with CPP				
Total depreciation		17,347		17,347

4(vi): Disclosure of Changes to Depreciation Profiles

(\$000 unless otherwise specified)

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

* include additional rows if needed

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
Total opening RAB value	18,229	679	26,270	63,659	51,501	38,401	12,853	15,568	29,874	257,036
less Total depreciation	950	34	1,497	4,055	2,095	2,082	1,177	1,026	4,430	17,347
plus Total revaluations	1,263	47	1,820	4,411	3,568	2,661	891	1,079	2,070	17,810
plus Assets commissioned	1,388	-	6,625	6,107	4,652	2,899	1,152	1,102	1,412	25,337
less Asset disposals	-	-	-	-	-	-	-	-	426	426
plus Lost and found assets adjustment	-	-	-	-	-	-	-	-	-	-
plus Adjustment resulting from asset allocation	-	-	-	-	-	-	-	-	(89)	(89)
plus Asset category transfers	-	-	-	-	-	-	-	-	-	-
Total closing RAB value	19,931	692	33,218	70,122	57,627	41,879	13,719	16,723	28,410	282,321
Asset Life										
Weighted average remaining asset life	19.2	20.0	17.5	15.7	24.6	18.4	10.9	15.2	6.7	(years)
Weighted average expected total asset life	46.5	42.8	35.1	41.9	44.7	42.1	31.8	26.8	10.5	(years)



Company Name **MainPower**
 For Year Ended **31 March 2022**

SCHEDULE 5a: REPORT ON REGULATORY TAX ALLOWANCE

This schedule requires information on the calculation of the regulatory tax allowance. This information is used to calculate regulatory profit/loss in Schedule 3 (regulatory profit). EDBs must provide explanatory commentary on the information disclosed in this schedule, in Schedule 14 (Mandatory Explanatory Notes). This information is part of audited disclosure information (as defined in section 1.4 of the ID determination), and so is subject to the assurance report required by section 10.

sch ref

		(\$000)	
7	5a(i): Regulatory Tax Allowance		
8	Regulatory profit / (loss) before tax		17,471
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	3,093	
14			4,141
15			
16	<i>less</i> Total revaluations	17,810	
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	2,643	
21			20,452
22			
23	Regulatory taxable income		1,160
24			
25	<i>less</i> Utilised tax losses	-	
26	Regulatory net taxable income		1,160
27			
28	Corporate tax rate (%)	28%	
29	Regulatory tax allowance		325

* 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)

34			
35			
36	Opening unamortised initial differences in asset values	9,455	
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		8,407
41			
42	Opening weighted average remaining useful life of relevant assets (years)		9
43			



Company Name **MainPower**
 For Year Ended **31 March 2022**

SCHEDULE 5a: REPORT ON REGULATORY TAX ALLOWANCE

This schedule requires information on the calculation of the regulatory tax allowance. This information is used to calculate regulatory profit/loss in Schedule 3 (regulatory profit). EDBs must provide explanatory commentary on the information disclosed in this schedule, in Schedule 14 (Mandatory Explanatory Notes). This information is part of audited disclosure information (as defined in section 1.4 of the ID determination), and so is subject to the assurance report required by section 70

sch ref

44	5a(iv): Amortisation of Revaluations			(\$000)
45				
46	Opening sum of RAB values without revaluations		226,380	
47				
48	Adjusted depreciation		14,255	
49	Total depreciation		17,347	
50	Amortisation of revaluations			3,093
51				
52	5a(v): Reconciliation of Tax Losses			(\$000)
53				
54	Opening tax losses		-	
55	plus Current period tax losses		-	
56	less Utilised tax losses		-	
57	Closing tax losses			-
58	5a(vi): Calculation of Deferred Tax Balance			(\$000)
59				
60	Opening deferred tax		(7,171)	
61				
62	plus Tax effect of adjusted depreciation		3,991	
63				
64	less Tax effect of tax depreciation		3,861	
65				
66	plus Tax effect of other temporary differences*		51	
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		141	
73				
74	plus Deferred tax cost allocation adjustment		25	
75				
76	Closing deferred tax			(7,399)
77				
78	5a(vii): Disclosure of Temporary Differences			
79	<i>In Schedule 14, Box 6, provide descriptions and workings of items recorded in the asterisked category in Schedule 5a(vi) (Tax effect of other temporary differences).</i>			
80				
81	5a(viii): Regulatory Tax Asset Base Roll-Forward			
82				(\$000)
83	Opening sum of regulatory tax asset values		246,976	
84	less Tax depreciation		13,789	
85	plus Regulatory tax asset value of assets commissioned		27,076	
86	less Regulatory tax asset value of asset disposals		929	
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			259,334



Company Name **MainPower**
 For Year Ended **31 March 2022**

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)
5b(i): Summary—Related Party Transactions		
Total regulatory income		
Market value of asset disposals		
Service interruptions and emergencies	—	
Vegetation management	—	
Routine and corrective maintenance and inspection	—	
Asset replacement and renewal (opex)	—	
Network opex		—
Business support	—	
System operations and network support	—	
Operational expenditure		—
Consumer connection	—	
System growth	—	
Asset replacement and renewal (capex)	—	
Asset relocations	—	
Quality of supply	—	
Legislative and regulatory	—	
Other reliability, safety and environment	—	
Expenditure on non-network assets		—
Expenditure on assets		—
Cost of financing		
Value of capital contributions		
Value of vested assets		
Capital Expenditure		—
Total expenditure		—
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)
	[Select one]	
	[Select one]	
	[Select one]	
	[Select one]	
	[Select one]	
	[Select one]	
	[Select one]	
	[Select one]	
	[Select one]	
	[Select one]	
	[Select one]	
	[Select one]	
	[Select one]	
	[Select one]	
	[Select one]	
	[Select one]	
Total value of related party transactions		—

* include additional rows if needed



Company Name **MainPower**
 For Year Ended **31 March 2022**

SCHEDULE 5c: REPORT ON TERM CREDIT SPREAD DIFFERENTIAL ALLOWANCE

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

sch ref

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

Issuing party	Issue date	Pricing date	Original tenor (in years)	Coupon rate (%)	Book value at issue date (NZD)	Book value at date of financial statements (NZD)	Term Credit Spread Difference	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			42%						
Average opening and closing RAB values									
Attribution Rate (%)									
Term credit spread differential allowance									



Company Name **MainPower**
 For Year Ended **31 March 2022**

SCHEDULE 5d: REPORT ON COST ALLOCATIONS

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

sch ref

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

		Value allocated (\$000s)			OVABAA allocation increase (\$000s)
	Arm's length deduction	Electricity distribution services	Non-electricity distribution services	Total	
10	Service interruptions and emergencies				
11	Directly attributable		1,479		
12	Not directly attributable			-	
13	Total attributable to regulated service		1,479		
14	Vegetation management				
15	Directly attributable		752		
16	Not directly attributable			-	
17	Total attributable to regulated service		752		
18	Routine and corrective maintenance and inspection				
19	Directly attributable		4,545		
20	Not directly attributable			-	
21	Total attributable to regulated service		4,545		
22	Asset replacement and renewal				
23	Directly attributable		6		
24	Not directly attributable			-	
25	Total attributable to regulated service		6		
26	System operations and network support				
27	Directly attributable		5,440		
28	Not directly attributable		4,729	486	5,215
29	Total attributable to regulated service		10,169		
30	Business support				
31	Directly attributable		89		
32	Not directly attributable		4,341	582	4,923
33	Total attributable to regulated service		4,430		
34					
35	Operating costs directly attributable		12,311		
36	Operating costs not directly attributable	-	9,069	1,069	10,138
37	Operational expenditure		21,380		



Company Name **MainPower**
 For Year Ended **31 March 2022**

SCHEDULE 5d: REPORT ON COST ALLOCATIONS

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

sch ref

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

40	Pass through and recoverable costs	(\$000)
41	Pass through costs	
42	Directly attributable	641
43	Not directly attributable	
44	Total attributable to regulated service	641
45	Recoverable costs	
46	Directly attributable	12,118
47	Not directly attributable	
48	Total attributable to regulated service	12,118

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

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

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

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

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



Company Name **MainPower**
 For Year Ended **31 March 2022**

SCHEDULE 5e: REPORT ON ASSET ALLOCATIONS

This schedule requires information on the allocation of asset values. This information supports the calculation of the RAB value in Schedule 4. EDBs must provide explanatory comment on their cost allocation in Schedule 14 (Mandatory Explanatory Notes), including on the impact of any changes in asset allocations. This information is part of audited disclosure information (as defined in section 1.4 of the ID determination), and so is subject to the assurance report required by section 2.8.

sch ref

5e(i): Regulated Service Asset Values		Value allocated (\$000s)
		Electricity distribution services
Subtransmission lines		
Directly attributable		19,931
Not directly attributable		
Total attributable to regulated service		19,931
Subtransmission cables		
Directly attributable		692
Not directly attributable		
Total attributable to regulated service		692
Zone substations		
Directly attributable		33,218
Not directly attributable		
Total attributable to regulated service		33,218
Distribution and LV lines		
Directly attributable		70,122
Not directly attributable		
Total attributable to regulated service		70,122
Distribution and LV cables		
Directly attributable		57,627
Not directly attributable		
Total attributable to regulated service		57,627
Distribution substations and transformers		
Directly attributable		41,879
Not directly attributable		
Total attributable to regulated service		41,879
Distribution switchgear		
Directly attributable		13,719
Not directly attributable		
Total attributable to regulated service		13,719
Other network assets		
Directly attributable		16,723
Not directly attributable		
Total attributable to regulated service		16,723
Non-network assets		
Directly attributable		
Not directly attributable		28,410
Total attributable to regulated service		28,410
Regulated service asset value directly attributable		253,911
Regulated service asset value not directly attributable		28,410
Total closing RAB value		282,321

5e(ii): Changes in Asset Allocations* †		(\$000)	
		CY-1	Current Year (CY)
Change in asset value allocation 1			
Asset category		Original allocation	
Original allocator or line items		New allocation	
New allocator or line items		Difference	
Rationale for change			
Change in asset value allocation 2			
Asset category		Original allocation	
Original allocator or line items		New allocation	
New allocator or line items		Difference	
Rationale for change			
Change in asset value allocation 3			
Asset category		Original allocation	
Original allocator or line items		New allocation	
New allocator or line items		Difference	
Rationale for change			

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



Company Name **MainPower**
 For Year Ended **31 March 2022**

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

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

sch ref

		(\$000)	(\$000)
7	6a(i): Expenditure on Assets		
8	Consumer connection		9,257
9	System growth		8,646
10	Asset replacement and renewal		9,883
11	Asset relocations		-
12	Reliability, safety and environment:		
13	Quality of supply	544	
14	Legislative and regulatory	67	
15	Other reliability, safety and environment	207	
16	Total reliability, safety and environment		817
17	Expenditure on network assets		28,603
18	Expenditure on non-network assets		1,412
19			
20	Expenditure on assets		30,014
21	plus Cost of financing		
22	less Value of capital contributions		5,531
23	plus Value of vested assets		
24			
25	Capital expenditure		24,483

		(\$000)
26	6a(ii): Subcomponents of Expenditure on Assets (where known)	
27	Energy efficiency and demand side management, reduction of energy losses	
28	Overhead to underground conversion	
29	Research and development	

		(\$000)	(\$000)
30	6a(iii): Consumer Connection		
31	<i>Consumer types defined by EDB*</i>		
32	Residential	7,799	
33	General	1,348	
34	Irrigation	69	
35	Other	40	
36	[EDB consumer type]		
37	<i>* include additional rows if needed</i>		
38	Consumer connection expenditure		9,257
39			
40	less Capital contributions funding consumer connection expenditure	5,531	
41	Consumer connection less capital contributions		3,726

		Asset	
		System Growth	Replacement and
		(\$000)	Renewal
		(\$000)	(\$000)
42	6a(iv): System Growth and Asset Replacement and Renewal		
43			
44			
45	Subtransmission	82	249
46	Zone substations	7,611	1,134
47	Distribution and LV lines	2	6,305
48	Distribution and LV cables	610	174
49	Distribution substations and transformers	158	578
50	Distribution switchgear	182	1,003
51	Other network assets		440
52	System growth and asset replacement and renewal expenditure	8,646	9,883
53	less Capital contributions funding system growth and asset replacement and renewal		
54	System growth and asset replacement and renewal less capital contributions	8,646	9,883
55			

		(\$000)	(\$000)
56	6a(v): Asset Relocations		
57	<i>Project or programme*</i>		
58	[Description of material project or programme]		
59	[Description of material project or programme]		
60	[Description of material project or programme]		
61	[Description of material project or programme]		
62	[Description of material project or programme]		
63	<i>* include additional rows if needed</i>		
64	All other projects or programmes - asset relocations		
65	Asset relocations expenditure		-
66	less Capital contributions funding asset relocations		
67	Asset relocations less capital contributions		-

Company Name **MainPower**
 For Year Ended **31 March 2022**

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	Network automation	163	
72	Network reinforcement	380	
73	[Description of material project or programme]		
74	[Description of material project or programme]		
75	[Description of material project or programme]		
76	<i>* include additional rows if needed</i>		
77	All other projects programmes - quality of supply		
78	Quality of supply expenditure		544
79	less Capital contributions funding quality of supply		
80	Quality of supply less capital contributions		544
81	6a(vii): Legislative and Regulatory		
82	<i>Project or programme*</i>	(\$000)	(\$000)
83	Right of Use Assets	67	
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		67
91	less Capital contributions funding legislative and regulatory		
92	Legislative and regulatory less capital contributions		67
93	6a(viii): Other Reliability, Safety and Environment		
94	<i>Project or programme*</i>	(\$000)	(\$000)
95	Network automation	28	
96	Network reinforcement	179	
97	[Description of material project or programme]		
98	[Description of material project or programme]		
99	[Description of material project or programme]		
100	<i>* include additional rows if needed</i>		
101	All other projects or programmes - other reliability, safety and environment		
102	Other reliability, safety and environment expenditure		207
103	less Capital contributions funding other reliability, safety and environment		
104	Other reliability, safety and environment less capital contributions		207
105			
106	6a(ix): Non-Network Assets		
107	Routine expenditure		
108	<i>Project or programme*</i>	(\$000)	(\$000)
109	Land & Buildings	136	
110	Motor Vehicles	654	
111	Plant & Equipment	131	
112	Office Furniture & Fittings and Computer Hardware	272	
113	Computer Software	219	
114	<i>* include additional rows if needed</i>		
115	All other projects or programmes - routine expenditure		
116	Routine expenditure		1,412
117	Atypical expenditure		
118	<i>Project or programme*</i>	(\$000)	(\$000)
119	[Description of material project or programme]		
120	[Description of material project or programme]		
121	[Description of material project or programme]		
122	[Description of material project or programme]		
123	[Description of material project or programme]		
124	<i>* include additional rows if needed</i>		
125	All other projects or programmes - atypical expenditure		
126	Atypical expenditure		-
127			
128	Expenditure on non-network assets		1,412



Company Name **MainPower**
 For Year Ended **31 March 2022**

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

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

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

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

sch ref

		(\$000)	(\$000)
7	6b(i): Operational Expenditure		
8	Service interruptions and emergencies	1,479	
9	Vegetation management	752	
10	Routine and corrective maintenance and inspection	4,545	
11	Asset replacement and renewal	6	
12	Network opex		6,781
13	System operations and network support	10,169	
14	Business support	4,430	
15	Non-network opex		14,599
16			
17	Operational expenditure		21,380
18	6b(ii): Subcomponents of Operational Expenditure (where known)		
19	Energy efficiency and demand side management, reduction of energy losses		
20	Direct billing*		
21	Research and development		
22	Insurance		739
23	* Direct billing expenditure by suppliers that directly bill the majority of their consumers		



Company Name	MainPower
For Year Ended	31 March 2022

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	52,000	51,645	(1%)

9	7(ii): Expenditure on Assets	Forecast (\$000) ²	Actual (\$000)	% variance
10	Consumer connection	5,000	9,257	85%
11	System growth	6,564	8,646	32%
12	Asset replacement and renewal	11,629	9,883	(15%)
13	Asset relocations		-	-
14	Reliability, safety and environment:			
15	Quality of supply	474	544	15%
16	Legislative and regulatory		67	-
17	Other reliability, safety and environment	250	207	(17%)
18	Total reliability, safety and environment	724	817	13%
19	Expenditure on network assets	23,917	28,603	20%
20	Expenditure on non-network assets	2,941	1,412	(52%)
21	Expenditure on assets	26,858	30,014	12%

22	7(iii): Operational Expenditure			
23	Service interruptions and emergencies	1,100	1,479	34%
24	Vegetation management	1,000	752	(25%)
25	Routine and corrective maintenance and inspection	4,575	4,545	(1%)
26	Asset replacement and renewal	103	6	(94%)
27	Network opex	6,779	6,781	0%
28	System operations and network support	6,304	10,169	61%
29	Business support	7,354	4,430	(40%)
30	Non-network opex	13,658	14,599	7%
31	Operational expenditure	20,436	21,380	5%

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		-	-
35	Research and development		-	-

37	7(v): Subcomponents of Operational Expenditure (where known)			
38	Energy efficiency and demand side management, reduction of energy losses		-	-
39	Direct billing		-	-
40	Research and development		-	-
41	Insurance	783	739	(6%)

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

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



Company Name	MainPower
For Year Ended	31 March 2022
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.

sch ref

8(i): Billed Quantities by Price Component

Consumer group name or price category code	Consumer type or types (eg, residential, commercial etc.)	Standard or non-standard consumer group (specify)	Average no. of ICPs in disclosure year	Energy delivered to ICPs in disclosure year (MWh)	Unit charging basis (eg, days, kW of demand, kVA of capacity, etc.)	Billed quantities by price component							
						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	Days	kWh
All Inclusive Low User MPAILU	Residential	Standard	12,228	74,718		4,649,408	4,649,408	74,718,094	74,718,094				
All Inclusive Standard User MPAISTD	Residential	Standard	17,354	171,329		6,086,346	6,086,346	171,328,966	171,328,966				
Council Pumping MPCOUNPUMP	Community	Standard	207	13,237		74,871	74,871	13,236,568	13,236,568				
Irrigation MPIRR	Commercial	Standard	1,451	69,000		511,446	511,446	69,000,255	69,000,255				
Non-Residential - Large Users MPLGEUSER	Commercial	Standard	45	56,652		15,483	15,483	-	-	56,651,892	56,651,892		
All Inclusive with Night Only Low User MPNILU	Residential	Standard	993	6,003		366,836	366,836	6,003,047	6,003,047				
All Inclusive with Night Only Standard User MPNISTD	Residential	Standard	1,591	17,394		570,206	570,206	17,393,847	17,393,847				
Non-Residential MPNONRES	Commercial	Standard	5,965	126,671		1,995,308	1,995,308	126,671,385	126,671,385				
Streetlighting MPSTLGT	Commercial	Standard	113	3,469		39,475	39,475	3,469,276	3,469,276				
Temporary Supply MPTEMP	Commercial	Standard	399	254		44,443	44,443	253,554	253,554				
Uncontrolled Low User MPUCLU	Residential	Standard	841	5,584		362,679	362,679	5,583,512	5,583,512				
Uncontrolled Standard User MPUCSTD	Residential	Standard	1,943	19,359		679,478	679,478	19,358,637	19,358,637				
To Be Accrued Consumption as at 20/06/2022	Commercial	Standard	-	481		-	-	481,047	481,047				
ICP's Direct Supply	Commercial	Non-standard	1	59,657									59,656,993
<i>Add extra rows for additional consumer groups or price category codes as necessary</i>													
Standard consumer totals			43,130	564,150		15,395,979	15,395,979	507,498,187	507,498,187	56,651,892	56,651,892	-	-
Non-standard consumer totals			1	59,657		-	-	-	-	-	-	-	59,656,993
Total for all consumers			43,131	623,807		15,395,979	15,395,979	507,498,187	507,498,187	56,651,892	56,651,892	-	59,656,993

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

Company Name **MainPower**
 For Year Ended **31 March 2022**
 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

Price component	Line charge revenues (\$000) by price component							
	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	Days	kWh

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

Consumer group name or price category code	Consumer type or types (eg, residential, commercial etc.)	Standard or non-standard consumer group (specify)	Total line charge revenue in disclosure year	Notional revenue foregone from posted discounts (if applicable)	Total distribution line charge revenue	Total transmission line charge revenue (if available)
All Inclusive Low User MPAILU	Residential	Standard	\$7,947	\$541	\$6,970	\$977
All Inclusive Standard User MPAISTD	Residential	Standard	\$14,524	\$4,050	\$10,460	\$4,064
Council Pumping MPCOUNPUMP	Community	Standard	\$679	\$41	\$564	\$115
Irrigation MPIRR	Commercial	Standard	\$6,952	\$136	\$5,411	\$1,541
Non-Residential - Large Users MPLGEUSER	Commercial	Standard	\$3,427	\$61	\$2,512	\$916
All Inclusive with Night Only Low User MPNILU	Residential	Standard	\$591	\$39	\$517	\$74
All Inclusive with Night Only Standard User MPNISTD	Residential	Standard	\$1,362	\$382	\$976	\$386
Non-Residential MPNONRES	Commercial	Standard	\$11,438	\$821	\$9,183	\$2,255
Streetlighting MPSTLGT	Commercial	Standard	\$240	\$14	\$198	\$42
Temporary Supply MPTEMP	Commercial	Standard	\$163	\$0	\$136	\$27
Uncontrolled Low User MPUCLU	Residential	Standard	\$753	\$59	\$662	\$91
Uncontrolled Standard User MPUCSTD	Residential	Standard	\$2,072	\$452	\$1,611	\$461
To Be Accrued Consumption as at 20/06/2022	Commercial	Standard	\$21	-	\$18	\$3
ICP's Direct Supply	Commercial	Non-standard	\$1,477	-	\$282	\$1,196
Standard consumer totals			\$50,167	\$6,596	\$39,218	\$10,950
Non-standard consumer totals			\$1,477	-	\$282	\$1,196
Total for all consumers			\$51,645	\$6,596	\$39,499	\$12,145

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

Company Name	MainPower
For Year Ended	31 March 2022
Network / Sub-network Name	

SCHEDULE 9a: ASSET REGISTER

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

sch ref

					Items at start of	Items at end of	Net change	Data accuracy
	Voltage	Asset category	Asset class	Units	year (quantity)	year (quantity)		(1-4)
8	All	Overhead Line	Concrete poles / steel structure	No.	9,047	9,430	383	2
9	All	Overhead Line	Wood poles	No.	47,886	47,549	(337)	2
10	All	Overhead Line	Other pole types	No.	-	-	-	N/A
11	HV	Subtransmission Line	Subtransmission OH up to 66kV conductor	km	385	386	1	3
12	HV	Subtransmission Line	Subtransmission OH 110kV+ conductor	km	-	-	-	N/A
13	HV	Subtransmission Cable	Subtransmission UG up to 66kV (XLPE)	km	5	4	(1)	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	-	2
23	HV	Zone substation Buildings	Zone substations 110kV+	No.	-	-	-	N/A
24	HV	Zone substation switchgear	50/66/110kV CB (Indoor)	No.	-	-	-	N/A
25	HV	Zone substation switchgear	50/66/110kV CB (Outdoor)	No.	13	13	-	2
26	HV	Zone substation switchgear	33kV Switch (Ground Mounted)	No.	-	-	-	N/A
27	HV	Zone substation switchgear	33kV Switch (Pole Mounted)	No.	54	53	(1)	2
28	HV	Zone substation switchgear	33kV RMU	No.	-	-	-	N/A
29	HV	Zone substation switchgear	22/33kV CB (Indoor)	No.	31	31	-	2
30	HV	Zone substation switchgear	22/33kV CB (Outdoor)	No.	19	19	-	2
31	HV	Zone substation switchgear	3.3/6.6/11/22kV CB (ground mounted)	No.	17	35	18	2
32	HV	Zone substation switchgear	3.3/6.6/11/22kV CB (pole mounted)	No.	21	21	-	2
33	HV	Zone Substation Transformer	Zone Substation Transformers	No.	26	28	2	3
34	HV	Distribution Line	Distribution OH Open Wire Conductor	km	3,356	3,321	(35)	2
35	HV	Distribution Line	Distribution OH Aerial Cable Conductor	km	-	-	-	N/A
36	HV	Distribution Line	SWER conductor	km	119	119	-	2
37	HV	Distribution Cable	Distribution UG XLPE or PVC	km	297	307	10	2
38	HV	Distribution Cable	Distribution UG PILC	km	55	55	(0)	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.	81	89	8	2
41	HV	Distribution switchgear	3.3/6.6/11/22kV CB (Indoor)	No.	45	45	-	2
42	HV	Distribution switchgear	3.3/6.6/11/22kV Switches and fuses (pole mounted)	No.	9,792	9,860	68	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.	387	401	14	3
45	HV	Distribution Transformer	Pole Mounted Transformer	No.	7,508	7,555	47	2
46	HV	Distribution Transformer	Ground Mounted Transformer	No.	831	852	21	2
47	HV	Distribution Transformer	Voltage regulators	No.	22	22	-	3
48	HV	Distribution Substations	Ground Mounted Substation Housing	No.	824	844	20	2
49	LV	LV Line	LV OH Conductor	km	235	237	2	2
50	LV	LV Cable	LV UG Cable	km	715	744	29	2
51	LV	LV Street lighting	LV OH/UG Streetlight circuit	km	536	554	18	2
52	LV	Connections	OH/UG consumer service connections	No.	45,466	46,623	1,157	1
53	All	Protection	Protection relays (electromechanical, solid state and numeric)	No.	311	315	4	2
54	All	SCADA and communications	SCADA and communications equipment operating as a single system	Lot	215	215	-	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.	11,294	10,973	(321)	1
58	All	Civils	Cable Tunnels	km	-	-	-	N/A

Company Name	MainPower
For Year Ended	31 March 2022
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)	Total circuit length (km)
11	> 66kV	–	–	–
12	50kV & 66kV	223	0	224
13	33kV	163	4	167
14	SWER (all SWER voltages)	117	2	118
15	22kV (other than SWER)	966	67	1,033
16	6.6kV to 11kV (inclusive—other than SWER)	2,355	290	2,645
17	Low voltage (< 1kV)	238	745	983
18	Total circuit length (for supply)	4,062	1,108	5,170
19				
20	Dedicated street lighting circuit length (km)	61	492	552
21	Circuit in sensitive areas (conservation areas, iwi territory etc) (km)			
22				
23	Overhead circuit length by terrain (at year end)	Circuit length (km)	(% of total overhead length)	
24	Urban	49	1%	
25	Rural	2,432	60%	
26	Remote only	1,441	35%	
27	Rugged only	129	3%	
28	Remote and rugged	11	0%	
29	Unallocated overhead lines		–	
30	Total overhead length	4,062	100%	
31				
32				
33	Length of circuit within 10km of coastline or geothermal areas (where known)	2,276	44%	
34				
35	Overhead circuit requiring vegetation management	2,010	49%	

Company Name **MainPower**
 For Year Ended **31 March 2022**

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
For Year Ended	31 March 2022
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	9e(i): Consumer Connections		
9	Number of ICPs connected in year by consumer type		
10	Consumer types defined by EDB*	Number of connections (ICPs)	
11	Residential	1,039	
12	General	54	
13	Irrigation	11	
14	Council Pumping	3	
15	[EDB consumer type]		
16	* include additional rows if needed		
17	Connections total	1,107	
18			
19	Distributed generation		
20	Number of connections made in year	232	connections
21	Capacity of distributed generation installed in year	1.33	MVA
22	9e(ii): System Demand		
23			
24		Demand at time of maximum coincident demand (MW)	
25	Maximum coincident system demand		
26	GXP demand	124	
27	plus Distributed generation output at HV and above		
28	Maximum coincident system demand	124	
29	less Net transfers to (from) other EDBs at HV and above		
30	Demand on system for supply to consumers' connection points	124	
31	Electricity volumes carried	Energy (GWh)	
32	Electricity supplied from GXPs	637	
33	less Electricity exports to GXPs		
34	plus Electricity supplied from distributed generation	25	
35	less Net electricity supplied to (from) other EDBs		
36	Electricity entering system for supply to consumers' connection points	663	
37	less Total energy delivered to ICPs	624	
38	Electricity losses (loss ratio)	39	5.8%
39			
40	Load factor	0.61	
41	9e(iii): Transformer Capacity		
42		(MVA)	
43	Distribution transformer capacity (EDB owned)	583	
44	Distribution transformer capacity (Non-EDB owned, estimated)	5	
45	Total distribution transformer capacity	588	
46			
47	Zone substation transformer capacity	143	

Company Name	MainPower
For Year Ended	31 March 2022
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)	582	
12	Class C (unplanned interruptions on the network)	871	
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	Total	1,453	
20			
21	Interruption restoration	≤3Hrs	>3hrs
22	Class C interruptions restored within	614	257
23			
24	SAIFI and SAIDI by class	SAIFI	SAIDI
25	Class A (planned interruptions by Transpower)		
26	Class B (planned interruptions on the network)	0.55	126.4
27	Class C (unplanned interruptions on the network)	1.93	255.4
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	Total	2.48	381.8
35			
36	Normalised SAIFI and SAIDI	Normalised SAIFI	Normalised SAIDI
37	Classes B & C (interruptions on the network)	2.38	272.6
38			



Company Name	MainPower
For Year Ended	31 March 2022
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	-	0.04
Vegetation	0.13	21.44
Adverse weather	0.58	152.92
Adverse environment	0.01	0.24
Third party interference	0.23	17.45
Wildlife	0.10	5.36
Human error	0.17	1.60
Defective equipment	0.41	29.31
Cause unknown	0.31	27.02

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

Main equipment involved	SAIFI	SAIDI
Subtransmission lines	-	0.1
Subtransmission cables		
Subtransmission other		
Distribution lines (excluding LV)	0.31	98.0
Distribution cables (excluding LV)	0.23	26.9
Distribution other (excluding LV)	-	1.3

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

Main equipment involved	SAIFI	SAIDI
Subtransmission lines	0.40	43.2
Subtransmission cables	0.01	0.5
Subtransmission other		
Distribution lines (excluding LV)	1.40	206.8
Distribution cables (excluding LV)	0.12	3.3
Distribution other (excluding LV)	-	1.6

10(v): Fault Rate

Main equipment involved	Number of Faults	Circuit length (km)	Fault rate (faults per 100km)
Subtransmission lines	23	386	5.96
Subtransmission cables	1	5	22.22
Subtransmission other			
Distribution lines (excluding LV)	812	3,437	23.62
Distribution cables (excluding LV)	24	359	6.69
Distribution other (excluding LV)	12		
Total	872		



Company Name MainPower New Zealand Ltd
For Year Ended 31 March 2022

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 6.33% is higher than both the 3.52% mid-point and 2.84% 25th% percentile estimates provided by the Commerce Commission, reflecting the significant increase in CPI and the consequential uplift in revaluations as described in Box 2.

Line charge revenue was 1% lower than the estimated target revenue published in the Pricing Methodology, but up on the prior year.

Expenditure on assets was significantly higher than predicted (12%) due to strong customer demand for new connections and higher costs associated with delayed completion of the Southbrook substation due to Covid and supply chain restrictions.

Operational expenditure was 5% higher than forecasted, mostly relating to increased spending in non-Network OPEX.

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 \$17.5m compared to \$8.4m in FY2021. The main area of fluctuation year-on year was in the CPI % increase from 1.52% to 6.93%, resulting in an increase in revaluations from \$3.9m in FY2021 to \$17.8m in FY2022. The increase in revaluations was partially offset by an increase in direct Network operating expenses due to weather events during the year, and also an increase in depreciation due to prior year increase in asset additions.

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 \$24.5m, \$10.2m remains in works under construction resulting in additions to the RAB of \$25.3m (\$11.1m of which was in opening works under construction).

Depreciation and disposals for the year totalled \$17.8m (FY2021: \$15.0m) and revaluations were \$17.8m (FY2021: \$3.9m).

Adjustments resulting for asset allocation were \$89k (FY2021: \$255k).

The value of the unallocated RAB increased by \$25.6m to \$285.4m (FY2021: \$259.8m), whereas due to the reduction from the asset allocation the allocated RAB increased by \$25.3m to \$282.3m (FY2021: \$257.0m).

Right-of-Use assets of \$2.9m is included in the above RAB closing balances (FY2021: \$3.7m).

There were no 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 \$51k related to \$44k for movements in Employee Entitlement Provisions and \$7k 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 \$1,069k have been allocated to Non-electricity distribution services in FY2022.

There were no 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).

Asset costs of \$89k have been allocated to Non-electricity distribution services in FY2022.

There were no items reclassified or any changes in the accounting treatment of expenditure from those 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 \$24.5m (net of capital contributions) was made up of \$23.1m on Network assets and \$1.4m on Non-network assets, of which \$10.1m remains as works under construction.

A materiality threshold of > \$50k has been applied to classifying projects that form part of the AMP forecasts.

There were no items reclassified or any changes in the accounting treatment of expenditure from those 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, 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

Operating expenditure of \$21.4m was made up of \$6.8m on the Network, \$10.2m on System operating and network support and \$4.4m on Business support.

There were no items reclassified or any changes in the accounting treatment of expenditure from those 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

Expenditure on Network assets was \$28.6m on a forecast of \$23.9m, a variance of 20%.

- Consumer connections accounted for a variance of \$4.3m (85%) due to greater than expected demand for new connections as land development in North Canterbury expands.
- System growth expenditure was \$2.1m above forecast following the delayed Southbrook substation upgrade completed this year.
- Asset replacement and renewal expenditure was \$1.7m below budget impacted by works to support strong consumer growth. Works remain to be delivered in FY23.

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

Non-network operating expenditure was 7% above forecast, though systems operations and network support is 61% up on target and business support is 40% under target.

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

Lines revenue for the year of \$51.64m was 1% lower than the target of \$52m, although greater than the revenue for 2020/21 of \$50.98m.

The difference between target revenue and actual lines revenue is not considered to be material.

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 2022 were calculated using the new ADMS system and Tableau BI tool for reporting. This was the first full year this has been implemented.

10(i): The number of planned interruptions decreased in the 2022 reporting period. This was due to better scheduling and delivery of our AMP work program requiring fewer interruptions for our customers and the use of generators to limit customer impact during large planned outages. Unplanned interruptions increased during the reporting period, primarily because of weather related events and defective equipment. There were not many events however the impact they had was large. There were a higher number of Third-Party Interference events this year but the overall impact of these events was lower than previous years.

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 defective equipment issues that caused high customer number and long duration outages. Cause Unknown outages are beginning to increase in frequency and time. This is being observed mainly across the rural parts of the overhead network.

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 was overhead distribution lines. This correlates with weather and vegetation related events that were the major contributors to quality of supply 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 E.g. 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 \$3.1m 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

MainPower did not comply with the Auditing of Successive Interruptions Exemptions dated 9 April 2020 and 17 May 2021 in disclosure years 2020 and 2021, in that it did not supply the information requested in schedule 15.

For disclosure year 2022 schedule 15 has been completed to include information about treatment of successive interruptions for disclosure years 2020 – 2022. It also includes confirmation that the same methodology was used for recognising successive interruptions in disclosure years 2019 – 2022 and provides detail of the methodology used.

Company Name MainPower New Zealand Ltd
For Year Ended 31 March 2022

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

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

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

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

Company Name	<u>MainPower New Zealand Ltd</u>
For Year Ended	<u>31 March 2022</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

Information required under Information Disclosure Exemption: Disclosure and auditing of reliability information within Schedule 10 dated 17 May 2021, paragraphs 7.1.1 to 7.1.3

7.1.1 MainPower has treated successive interruptions in the same way for the 2019, 2020, 2021 and 2022 disclosure years.

7.1.2 Not Applicable.

7.1.3 MainPower will only recognise an interruption as successive to the initial interruption if power was restored to any customer for greater than 60 seconds before the second outage occurred. If this condition is met, a new job (outage) is created within the ADMS system and each impacted ICP is considered to have had two separate outages. This will appropriately impact the SAIFI calculations for all impacted ICPs.



INDEPENDENT ASSURANCE REPORT

TO THE DIRECTORS OF MAINPOWER NEW ZEALAND LIMITED AND THE COMMERCE COMMISSION

Report on the Disclosure Information prepared in accordance with the Electricity Distribution Information Disclosure Determination 2012 (consolidated December 2021)

We have conducted a reasonable assurance engagement on whether the information disclosed by MainPower New Zealand Limited (the 'Company') required to be disclosed in accordance with the Electricity Distribution Information Disclosure Determination 2012 (consolidated December 2021) as amended by the Information Disclosure exemption: Disclosure and auditing of reliability information within Schedule 10, issued by the Commerce Commission on 17 May 2021 ('the Determination') for the disclosure year ended 31 March 2022, has been prepared, in all material respects, in accordance with the Determination.

The information required to be reported by the Company, and audited, under the Information Disclosure Determination is in schedules 1 to 4, 5a to 5g, 6a and 6b, 7, 10 and the explanatory notes in boxes 1 to 11 of Schedule 14 ('the Disclosure Information').

Further to the above, we have conducted a reasonable assurance engagement on whether the Company's basis for valuation of related party transactions ('the Related Party Transaction Information') for the disclosure year ended 31 March 2022, has been prepared, in all material respects, in accordance with clause 2.3.6 of the Determination, and clauses 2.2.11(1)(g) and 2.2.11(5) of the Electricity Distribution Services Input Methodologies Determination 2012 (consolidated May 2020) ('the Input Methodologies Determination').

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:

- The Company has complied, in all material respects, with the Determination in preparing the Disclosure Information;
- The Related Party Transaction Information complies, in all material respects, with the Determination and the Input Methodologies Determination;
- As far as appears from an examination of them, proper records to enable the complete and accurate compilation of the Disclosure Information and the Related Party Transaction information have been kept by the Company; and
- As far as appears from an examination of the records, the information used in the preparation of the Disclosure Information and the Related Party Transaction 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.

Basis of opinion

We have conducted our engagement in accordance with the International Standard on Assurance Engagements (New Zealand) 3000 (Revised): *Assurance Engagements Other Than Audits or Reviews of Historical Financial Information* and the Standard on Assurance Engagements 3100 (Revised): *Compliance Engagements* ('SAE3100 (Revised)') issued by the New Zealand Auditing and Assurance Standards Board.



These standards require that we comply with ethical requirements and plan and perform our assurance engagement to provide reasonable assurance about whether the Disclosure Information has been prepared, in all material respects, with the Determination, and about whether the Related Party Transaction Information has been prepared, in all material respects, with the Determination and the Input Methodologies Determination. Reasonable assurance is a high level of assurance.

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

Key Audit Matters

Key audit matters are those matters that, in our professional judgement, required significant attention when carrying out the assurance engagement during the current disclosure year. These matters were addressed in the context of our audit, and in forming our opinion. We do not provide a separate opinion on these matters.

Key audit matter <i>(indicative)</i>	How our procedures addressed the key audit matter
<p>Completeness & accuracy of non-financial reporting disclosures in relation to faults data capture (SAIDI/SAIFI)</p> <p>The Information Disclosure Determination defines certain quality measures in relation to the number and duration of interruptions, faults, and causes of faults. These quality measures are expressed in the form of SAIDI and SAIFI values.</p> <p>The accuracy of the data is a key audit matter because information on the frequency and duration of outages is an important measure about the reliability of electricity supply.</p> <p>The completeness of the data is a key audit matter because although the faults database is automated, the details of some faults are entered manually onto a portable device which then flows into the Advanced Distribution Management System ('ADMS') which automatically logs all outages into the faults database.</p>	<p>We have:</p> <ul style="list-style-type: none"> • Obtained an understanding of the Company's methods by which electricity outages and their duration are recorded; • Assessed the design and implementation of key controls related to the recording, reconciliation and review of outage data obtained from ADMS; • For a sample of outage events from the Raw Data Outage Report (list of all events recorded in the system) used to prepare the schedules, traced the start time, number of customers affected and end time to the fault log sheet and responding technicians records; • Assessed the reasonableness of why certain events have not been recorded as outage events as well as verifying whether any major weather events have had an impact on outages recorded in the report; • For a sample of events captured by the system management software used to monitor the network, traced the start time, number of customers affected and the end time to information recorded in the Raw Data Outage Report; • For a sample of manual outage sheets, traced the start time, number of customers affected and the end time to the information recorded in the Raw Data Outage Report; • Performed analytical procedures on the outage data, including analysing actual outages compared with prior year outages; • Recalculating normalised SAIDI and SAIFI using the predetermined boundary limits; and • Reviewing the disclosure in Schedule 14 in respect of the treatment of successive interruptions.



Board of Directors' Responsibilities

The Board of Directors is responsible on behalf of the Company for the preparation of the Disclosure Information and Related Party Transaction Information in accordance with the Determination. The responsibility includes the design, implementation and maintenance of internal control relevant to the Company's preparation of the Disclosure Information and the Related Party Transaction Information with the Determination and the Input Methodologies Determination.

Our Independence and Quality Control

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

Other than in our capacity as auditor, and the provision of other assurance services, we have no relationship with or interests in the Company. These services have not impaired our independence as auditor of MainPower New Zealand Limited.

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

Auditor's Responsibility

Our responsibility is to express an opinion whether the Disclosure Information and the Related Party Transaction Information has been prepared, in all material respects, in accordance with the Determination and the Input Methodologies Determination. SAE 3100 (Revised) requires that we plan and perform our procedures to obtain reasonable assurance that the Company has complied, in all material aspects, with the Determination and the Input Methodologies Determination in relation to the preparation of the Disclosure Information and the Related Party Transaction Information.

An assurance engagement to report on the Company's preparation of the Disclosure Information and the Related Party Transaction Information in accordance with the Determination and the Input Methodologies Determination involves performing procedures to obtain evidence about the compliance activity and control implemented to meet the requirements of the Determination and the Input Methodologies Determination. The procedures selected depend on our judgment, including the identification and assessment of risk of material non-compliance with the Determination and the Input Methodologies Determination.

We have performed procedures to obtain evidence about the amounts and disclosures in the Disclosure Information and the basis of the valuation in the Related Party Transaction Information. The procedures selected depend on our judgment, including the assessment of the risks of material misstatement of the Disclosure Information and Related Party Transaction Information, whether due to fraud or error or non-compliance with the Determination of the Input Methodologies Determination. In making those risk assessments, we considered internal control relevant to the Company's preparation of the Disclosure Information and Related Party Transaction Information in order to design procedures that are appropriate in the circumstances, but not for the purpose of expressing an opinion on the effectiveness of the Company's internal control.



Inherent Limitations

Because of the inherent limitations of a reasonable assurance engagement, and the test basis of the procedures performed, it is possible that fraud, error or non-compliance may occur and not be detected.

We did not examine every transaction, adjustment or event underlying the Disclosure Information or the Related Party Transaction Information nor do we guarantee complete accuracy of the Disclosure Information or the Related Party Transaction Information. Also we did not evaluate the security and controls over the electronic publication of the Disclosure Information or the Related Party Transaction Information.

The opinion expressed in this independent assurance report has been formed on the above basis.

Use of Report

This independent assurance report has been prepared solely for the directors of the Company and for the Commerce Commission for the purpose of providing those parties with reasonable assurance about whether the Disclosure Information has been prepared, in all material respects, in accordance with the Determination, and about whether the Related Party Transaction Information has been prepared in all material respects with the Determination and the Input Methodologies Determination. We disclaim any assumption of responsibility for any reliance on this report to any person other than the directors of the Company or the Commerce Commission, or for any other purpose than that for which it was prepared.

Deloitte Limited

Christchurch, New Zealand

17 August 2022