Electricity Distribution Information Disclosure Determination 2012
Consolidated determination as of 18 May 2023

Schedules 1–10
excluding 5f–5g

Company Name	MainPower
Disclosure Date	31 August 2023
Disclosure Year (year ended)	31 March 2023

Table of Contents

Disclosure Template Instructions

This document forms Schedules 1–10 to the Electricity Distribution Information Disclosure Determination 2012 (Consolidated detemination as of 18 May 2023)

The Schedules take the form of templates 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 schedule 4, 5b, 5c, 5d, 5e, 6a, 8, 9d, and 9e templates 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 the schedule 5c, 6a, and 9e templates 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.

The schedule 5d and 5e templates 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.

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

Changes Since Previous Version

Refer to the Targeted Information Disclosure Review - Electricity Distribution Businesses Final reasons paper - Tranche 1, for the details of changes made. A summary is provided in Chapter 2.

Company Name	**MainPower**
For Year Ended	**31 March 2023**

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 this ID determination. This will include information disclosed in accordance with this and other schedules, and information disclosed under the other requirements of this determination.
This information is part of audited disclosure information (as defined in section 1.4 of this ID determination), and so is subject to the assurance report required by section 2.8.

sch ref

1(i): Expenditure metrics

		Expenditure per GWh energy delivered to ICPs ($/GWh)	Expenditure per average no. of ICPs ($/ICP)	Expenditure per MW maximum coincident system demand ($/MW)	Expenditure per km circuit length ($/km)	Expenditure per MVA of capacity from EDB-owned distribution transformers ($/MVA)
9	**Operational expenditure**	33,667	473	170,548	4,016	35,442
10	Network	9,736	137	49,320	1,161	10,249
11	Non-network	23,931	336	121,228	2,854	25,192
12						
13	**Expenditure on assets**	47,507	668	240,662	5,667	50,012
14	Network	43,264	608	219,167	5,161	45,545
15	Non-network	4,243	60	21,495	506	4,467

1(ii): Revenue metrics

		Revenue per GWh energy delivered to ICPs ($/GWh)	Revenue per average no. of ICPs ($/ICP)
19	**Total consumer line charge revenue**	89,565	1,259
20	Standard consumer line charge revenue	94,692	1,226
21	Non-standard consumer line charge revenue	30,055	1,478,332

1(iii): Service intensity measures

25	Demand density	24	*Maximum coincident system demand per km of circuit length (for supply) (kW/km)*
26	Volume density	119	*Total energy delivered to ICPs per km of circuit length (for supply) (MWh/km)*
27	Connection point density	8	*Average number of ICPs per km of circuit length (for supply) (ICPs/km)*
28	Energy intensity	14,057	*Total energy delivered to ICPs per average number of ICPs (kWh/ICP)*

1(iv): Composition of regulatory income

		($000)	% of revenue
32	Operational expenditure	20,875	37.84%
33	Pass-through and recoverable costs excluding financial incentives and wash-ups	12,251	22.21%
34	Total depreciation	18,671	33.84%
35	Total revaluations	18,788	34.05%
36	Regulatory tax allowance	1,153	2.09%
37	Regulatory profit/(loss) including financial incentives and wash-ups	21,012	38.08%
38	**Total regulatory income**	55,174	

1(v): Reliability

42	Interruption rate	25.68	*Interruptions per 100 circuit km*

Company Name	**MainPower**
For Year Ended	**31 March 2023**

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 this 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 this ID determination), and so is subject to the assurance report required by section 2.8.

sch ref		CY-2	CY-1	Current Year CY
7	**2(i): Return on Investment**			
8				
9	**ROI – comparable to a post tax WACC**	%	%	%
10	Reflecting all revenue earned	2.53%	6.33%	6.95%
11	Excluding revenue earned from financial incentives	2.53%	6.33%	6.95%
12	Excluding revenue earned from financial incentives and wash-ups	2.53%	6.33%	6.95%
13				
14	**Mid-point estimate of post tax WACC**	3.72%	3.52%	4.88%
15	25th percentile estimate	3.04%	2.84%	4.20%
16	75th percentile estimate	4.40%	4.20%	5.56%
17				
18				
19	**ROI – comparable to a vanilla WACC**			
20	Reflecting all revenue earned	2.87%	6.63%	7.47%
21	Excluding revenue earned from financial incentives	2.87%	6.63%	7.47%
22	Excluding revenue earned from financial incentives and wash-ups	2.87%	6.63%	7.47%
23				
24	**WACC rate used to set regulatory price path**			
25				
26	**Mid-point estimate of vanilla WACC**	4.05%	3.82%	5.39%
27	25th percentile estimate	3.37%	3.14%	4.71%
28	75th percentile estimate	4.73%	4.50%	6.07%
29				

30	**2(ii): Information Supporting the ROI**		($000)	
31				
32	Total opening RAB value	282,321		
33	*plus* Opening deferred tax	(7,399)		
34	**Opening RIV**		274,922	
35				
36	**Line charge revenue**		55,535	
37				
38	Expenses cash outflow	33,126		
39	*add* Assets commissioned	24,095		
40	*less* Asset disposals	10		
41	*add* Tax payments	780		
42	*less* Other regulated income	(361)		
43	**Mid-year net cash outflows**		58,353	
44				
45	**Term credit spread differential allowance**		–	
46				
47	Total closing RAB value	306,284		
48	*less* Adjustment resulting from asset allocation	(239)		
49	*less* Lost and found assets adjustment	–		
50	*plus* Closing deferred tax	(7,772)		
51	**Closing RIV**		298,752	
52				
53	**ROI – comparable to a vanilla WACC**			7.47%
54				
55	Leverage (%)			42%
56	Cost of debt assumption (%)			4.38%
57	Corporate tax rate (%)			28%
58				
59	**ROI – comparable to a post tax WACC**			6.95%
60				

Company Name	**MainPower**
For Year Ended	**31 March 2023**

SCHEDULE 2: REPORT ON RETURN ON INVESTMENT

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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

Opening RIV — N/A

	Line charge revenue	Expenses cash outflow	Assets commissioned	Asset disposals	Other regulated income	Monthly net cash outflows
April						–
May						–
June						–
July						–
August						–
September						–
October						–
November						–
December						–
January						–
February						–
March						–
Total	–	–	–	–	–	–

Tax payments — N/A

Term credit spread differential allowance — N/A

Closing RIV — N/A

Monthly ROI – comparable to a vanilla WACC — N/A

Monthly ROI – comparable to a post tax WACC — N/A

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

Year-end ROI – comparable to a vanilla WACC — 7.32%

Year-end ROI – comparable to a post tax WACC — 6.81%

** 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

Net recoverable costs allowed under incremental rolling incentive scheme	–	
Purchased assets – avoided transmission charge		
Energy efficiency and demand incentive allowance		
Quality incentive adjustment		
Other financial incentives		
Financial incentives		–
Impact of financial incentives on ROI		–

Input methodology claw-back		
CPP application recoverable costs		
Catastrophic event allowance		
Capex wash-up adjustment		
Transmission asset wash-up adjustment		
2013–15 NPV wash-up allowance		
Reconsideration event allowance		
Other wash-ups		
Wash-up costs		–
Impact of wash-up costs on ROI		–

Company Name	**MainPower**
For Year Ended	**31 March 2023**

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 this ID determination), and so is subject to the assurance report required by section 2.8.

sch ref			($000)
7	**3(i): Regulatory Profit**		
8		**Income**	
9		Line charge revenue	55,535
10	*plus*	Gains / (losses) on asset disposals	(501)
11	*plus*	Other regulated income (other than gains / (losses) on asset disposals)	140
12			
13		**Total regulatory income**	55,174
14		**Expenses**	
15	*less*	Operational expenditure	20,875
16			
17	*less*	Pass-through and recoverable costs excluding financial incentives and wash-ups	12,251
18			
19		**Operating surplus / (deficit)**	22,047
20			
21	*less*	Total depreciation	18,671
22			
23	*plus*	Total revaluations	18,788
24			
25		**Regulatory profit / (loss) before tax**	22,165
26			
27	*less*	Term credit spread differential allowance	–
28			
29	*less*	Regulatory tax allowance	1,153
30			
31		**Regulatory profit/(loss) including financial incentives and wash-ups**	21,012
32			

				($000)
33	**3(ii): Pass-through and Recoverable Costs excluding Financial Incentives and Wash-Ups**			
34		**Pass through costs**		
35		Rates	363	
36		Commerce Act levies	83	
37		Industry levies	181	
38		CPP specified pass through costs	–	
39		**Recoverable costs excluding financial incentives and wash-ups**		
40		Electricity lines service charge payable to Transpower	10,627	
41		Transpower new investment contract charges	998	
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**		12,251
47				

Company Name	**MainPower**
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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).
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sch ref

3(iii): Incremental Rolling Incentive Scheme

($000)

	CY-1	CY 31 Mar 23
Allowed controllable opex		
Actual controllable opex		
Incremental change in year		

		Previous years' incremental change	Previous years' incremental change adjusted for inflation
CY-5	[year]		
CY-4	[year]		
CY-3	[year]		
CY-2	[year]		
CY-1	[year]		
Net incremental rolling incentive scheme			–
Net recoverable costs allowed under incremental rolling incentive scheme			–

3(iv): Merger and Acquisition Expenditure

($000)

Merger and acquisition expenditure	

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)

3(v): Other Disclosures

($000)

Self-insurance allowance	3,095

Company Name	**MainPower**
For Year Ended	**31 March 2023**

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 this ID determination), and so is subject to the assurance report required by section 2.8.

sch ref

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

		RAB 31 Mar 19 ($000)	RAB 31 Mar 20 ($000)	RAB 31 Mar 21 ($000)	RAB 31 Mar 22 ($000)	RAB 31 Mar 23 ($000)
	Total opening RAB value	248,091	243,511	257,287	257,036	282,321
less	**Total depreciation**	12,577	14,395	15,000	17,347	18,671
plus	**Total revaluations**	3,678	6,171	3,913	17,810	18,788
plus	**Assets commissioned**	6,656	22,462	11,149	25,337	24,095
less	**Asset disposals**	203	135	58	426	10
plus	**Lost and found assets adjustment**	–	–	–	–	–
plus	**Adjustment resulting from asset allocation**	(2,134)	(327)	(255)	(89)	(239)
	Total closing RAB value	243,511	257,287	257,036	282,321	306,284

4(ii): Unallocated Regulatory Asset Base

		Unallocated RAB * ($000)	Unallocated RAB * ($000)	RAB ($000)	RAB ($000)
	Total opening RAB value		285,411		282,321
less					
	Total depreciation		18,671		18,671
plus					
	Total revaluations		18,994		18,788
plus					
	Assets commissioned (other than below)	24,095		24,095	
	Assets acquired from a regulated supplier				
	Assets acquired from a related party				
	Assets commissioned		24,095		24,095
less					
	Asset disposals (other than below)	10		10	
	Asset disposals to a regulated supplier				
	Asset disposals to a related party				
	Asset disposals		10		10
plus	**Lost and found assets adjustment**				
plus	**Adjustment resulting from asset allocation**				(239)
	Total closing RAB value		309,819		306,284

** 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 2023**

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 this ID determination), and so is subject to the assurance report required by section 2.8.

sch ref

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

54		CPI_4	1,218
55		CPI_4^{-4}	1,142
56		Revaluation rate (%)	6.65%

			Unallocated RAB *		RAB	
			($000)	($000)	($000)	($000)
60		Total opening RAB value	285,411		282,321	
61	*less*	Opening value of fully depreciated, disposed and lost assets				
63		Total opening RAB value subject to revaluation	285,411		282,321	
64		**Total revaluations**		18,994		18,788

4(iv): Roll Forward of Works Under Construction

			Unallocated works under construction		Allocated works under construction	
68		**Works under construction—preceding disclosure year**		10,155		10,155
69	*plus*	Capital expenditure	22,504		22,504	
70	*less*	Assets commissioned	24,095		24,095	
71	*plus*	Adjustment resulting from asset allocation				
72		**Works under construction - current disclosure year**		8,564		8,564
74		Highest rate of capitalised finance applied				

Company Name	**MainPower**
For Year Ended	**31 March 2023**

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 this ID determination), and so is subject to the assurance report required by section 2.8.

sch ref

4(v): Regulatory Depreciation

		Unallocated RAB * ($000)	Unallocated RAB * ($000)	RAB ($000)	RAB ($000)
79	Depreciation - standard	14,246		14,246	
80	Depreciation - no standard life assets	4,425		4,425	
81	Depreciation - modified life assets				
82	Depreciation - alternative depreciation in accordance with CPP				
83	**Total depreciation**		18,671		18,671

4(vi): Disclosure of Changes to Depreciation Profiles

($000 unless otherwise specified)

	Asset or assets with changes to depreciation*	Reason for non-standard depreciation (text entry)	Depreciation charge for the period (RAB)	Closing RAB value under 'non-standard' depreciation	Closing RAB value under 'standard' depreciation
87					
88					
89					
90					
91					
92					
93					
94					

** 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
99	**Total opening RAB value**	19,931	692	33,218	70,122	57,627	41,879	13,719	16,723	28,410	282,321
100	*less* Total depreciation	1,041	36	1,763	4,449	2,319	2,285	1,285	1,068	4,425	18,671
101	*plus* Total revaluations	1,326	46	2,211	4,667	3,835	2,787	913	1,113	1,891	18,788
102	*plus* Assets commissioned	489	–	4,989	7,482	4,409	1,503	728	1,866	2,630	24,095
103	*less* Asset disposals	–	–	–	–	–	–	–	–	10	10
104	*plus* Lost and found assets adjustment	–	–	–	–	–	–	–	–	–	–
105	*plus* Adjustment resulting from asset allocation	–	–	–	–	–	–	–	–	(239)	(239)
106	*plus* Asset category transfers	–	–	–	–	–	–	–	–	–	–
107	**Total closing RAB value**	20,705	702	38,655	77,821	63,552	43,884	14,075	18,633	28,257	306,284
108											
109	**Asset Life**										
110	Weighted average remaining asset life	19.1	19.1	18.8	15.8	24.9	18.3	10.7	15.7	6.4	(years)
111	Weighted average expected total asset life	42.9	40.1	32.7	39.9	42.3	39.0	29.7	27.5	11.1	(years)

Company Name	**MainPower**
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SCHEDULE 5a: REPORT ON REGULATORY TAX ALLOWANCE

This schedule requires information on the calculation of the regulatory tax allowance. This information is used to calculate regulatory profit/loss in Schedule 3 (regulatory profit). EDBs must provide explanatory commentary on the information disclosed in this schedule, in Schedule 14 (Mandatory Explanatory Notes).
This information is part of audited disclosure information (as defined in section 1.4 of this ID determination), and so is subject to the assurance report required by section 2.8.

sch ref					
7	**5a(i): Regulatory Tax Allowance**				**($000)**
8		**Regulatory profit / (loss) before tax**			22,165
9					
10	*plus*	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	4,642		
14					5,690
15					
16	*less*	Total revaluations	18,788		
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	4,950		
21					23,739
22					
23		**Regulatory taxable income**			4,116
24					
25	*less*	Utilised tax losses			
26		Regulatory net taxable income			4,116
27					
28		Corporate tax rate (%)	28%		
29		**Regulatory tax allowance**			1,153
30					
31	* Workings to be provided in Schedule 14				
32	**5a(ii): Disclosure of Permanent Differences**				
33		In Schedule 14, Box 5, provide descriptions and workings of items recorded in the asterisked categories in Schedule 5a(i).			
34	**5a(iii): Amortisation of Initial Difference in Asset Values**				**($000)**
35					
36		Opening unamortised initial differences in asset values	8,407		
37	*less*	Amortisation of initial differences in asset values	1,048		
38	*plus*	Adjustment for unamortised initial differences in assets acquired	–		
39	*less*	Adjustment for unamortised initial differences in assets disposed	–		
40		Closing unamortised initial differences in asset values			7,359
41					
42		Opening weighted average remaining useful life of relevant assets (years)			8
43					

Company Name	**MainPower**
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SCHEDULE 5a: REPORT ON REGULATORY TAX ALLOWANCE

This schedule requires information on the calculation of the regulatory tax allowance. This information is used to calculate regulatory profit/loss in Schedule 3 (regulatory profit). EDBs must provide explanatory commentary on the information disclosed in this schedule, in Schedule 14 (Mandatory Explanatory Notes).
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sch ref				
44	**5a(iv): Amortisation of Revaluations**			**($000)**
45				
46		Opening sum of RAB values without revaluations	237,108	
47				
48		Adjusted depreciation	14,029	
49		Total depreciation	18,671	
50		Amortisation of revaluations		4,642
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**	(7,399)	
61				
62	*plus*	Tax effect of adjusted depreciation	3,928	
63				
64	*less*	Tax effect of tax depreciation	4,198	
65				
66	*plus*	Tax effect of other temporary differences*	179	
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	55	
73				
74	*plus*	Deferred tax cost allocation adjustment	67	
75				
76		**Closing deferred tax**		(7,772)
77				
78	**5a(vii): Disclosure of Temporary Differences**			
79		*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).*		
80				
81	**5a(viii): Regulatory Tax Asset Base Roll-Forward**			
82				**($000)**
83		**Opening sum of regulatory tax asset values**	259,334	
84	*less*	Tax depreciation	14,992	
85	*plus*	Regulatory tax asset value of assets commissioned	28,171	
86	*less*	Regulatory tax asset value of asset disposals	208	
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**		272,305

Company Name	**MainPower**
For Year Ended	**31 March 2023**

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

sch ref

5b(i): Summary—Related Party Transactions

	($000)	($000)
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]	
Total value of related party transactions		–

** include additional rows if needed*

Company Name	MainPower
For Year Ended	31 March 2023

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 this ID determination), and so is subject to the assurance report required by section 2.8.

sch ref

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

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 2023**

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 this ID determination), and so is subject to the assurance report required by section 2.8.

sch ref

5d(i): Operating Cost Allocations

		Value allocated ($000s)			
	Arm's length deduction	Electricity distribution services	Non-electricity distribution services	Total	OVABAA allocation increase ($000s)
Service interruptions and emergencies					
Directly attributable		969			
Not directly attributable				–	
Total attributable to regulated service		969			
Vegetation management					
Directly attributable		983			
Not directly attributable				–	
Total attributable to regulated service		983			
Routine and corrective maintenance and inspection					
Directly attributable		4,083			
Not directly attributable				–	
Total attributable to regulated service		4,083			
Asset replacement and renewal					
Directly attributable		2			
Not directly attributable				–	
Total attributable to regulated service		2			
System operations and network support					
Directly attributable		5,471			
Not directly attributable		5,026	486	5,512	
Total attributable to regulated service		10,497			
Business support					
Directly attributable		197			
Not directly attributable		4,144	1,015	5,159	
Total attributable to regulated service		4,341			
Operating costs directly attributable		11,705			
Operating costs not directly attributable	–	9,170	1,501	10,671	–
Operational expenditure		20,875			

Company Name	MainPower
For Year Ended	31 March 2023

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 this ID determination), and so is subject to the assurance report required by section 2.8.

sch ref

5d(ii): Other Cost Allocations

	($000)
Pass through and recoverable costs	
Pass through costs	
Directly attributable	627
Not directly attributable	
Total attributable to regulated service	627
Recoverable costs	
Directly attributable	11,605
Not directly attributable	
Total attributable to regulated service	11,605

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

Change in cost allocation 1

		($000) CY-1	($000) Current Year (CY)
Cost category	Original allocation		
Original allocator or line items	New allocation		
New allocator or line items	Difference	–	–

Rationale for change

Change in cost allocation 2

		($000) CY-1	($000) Current Year (CY)
Cost category	Original allocation		
Original allocator or line items	New allocation		
New allocator or line items	Difference	–	–

Rationale for change

Change in cost allocation 3

		($000) CY-1	($000) Current Year (CY)
Cost category	Original allocation		
Original allocator or line items	New allocation		
New allocator or line items	Difference	–	–

Rationale for change

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

† include additional rows if needed

Company Name	**MainPower**
For Year Ended	**31 March 2023**

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 this 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	20,705
Not directly attributable	
Total attributable to regulated service	20,705
Subtransmission cables	
Directly attributable	702
Not directly attributable	
Total attributable to regulated service	702
Zone substations	
Directly attributable	38,655
Not directly attributable	
Total attributable to regulated service	38,655
Distribution and LV lines	
Directly attributable	77,821
Not directly attributable	
Total attributable to regulated service	77,821
Distribution and LV cables	
Directly attributable	63,552
Not directly attributable	
Total attributable to regulated service	63,552
Distribution substations and transformers	
Directly attributable	43,884
Not directly attributable	
Total attributable to regulated service	43,884
Distribution switchgear	
Directly attributable	14,075
Not directly attributable	
Total attributable to regulated service	14,075
Other network assets	
Directly attributable	18,633
Not directly attributable	
Total attributable to regulated service	18,633
Non-network assets	
Directly attributable	
Not directly attributable	28,257
Total attributable to regulated service	28,257
Regulated service asset value directly attributable	278,027
Regulated service asset value not directly attributable	28,257
Total closing RAB value	306,284

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

Change in asset value allocation 1

			($000) CY-1	Current Year (CY)
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

			($000) CY-1	Current Year (CY)
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

			($000) CY-1	Current Year (CY)
Asset category		Original allocation		
Original allocator or line items		New allocation		
New allocator or line items		Difference	–	–
Rationale for change				

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

Company Name	**MainPower**
For Year Ended	**31 March 2023**

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 this ID determination), and so is subject to the assurance report required by section 2.8.

sch ref

6a(i): Expenditure on Assets

sch ref			($000)	($000)
8		Consumer connection		12,845
9		System growth		1,692
10		Asset replacement and renewal		10,668
11		Asset relocations		–
12		Reliability, safety and environment:		
13		Quality of supply	236	
14		Legislative and regulatory	54	
15		Other reliability, safety and environment	1,332	
16		**Total reliability, safety and environment**		1,622
17		**Expenditure on network assets**		26,826
18		Expenditure on non-network assets		2,631
19				
20		**Expenditure on assets**		29,457
21	*plus*	Cost of financing		
22	*less*	Value of capital contributions		6,953
23	*plus*	Value of vested assets		
24				
25		**Capital expenditure**		22,504

6a(ii): Subcomponents of Expenditure on Assets (where known)

sch ref		($000)
27	Energy efficiency and demand side management, reduction of energy losses	
28	Overhead to underground conversion	
29	Research and development	
	Cybersecurity (Commission only)	

6a(iii): Consumer Connection

sch ref	*Consumer types defined by EDB**	($000)	($000)
32	Residential	11,601	
33	General	514	
34	Irrigation	234	
35	Other	496	
36	[EDB consumer type]		
37	** include additional rows if needed*		
38	**Consumer connection expenditure**		12,845
39			
40	*less* Capital contributions funding consumer connection expenditure	6,953	
41	**Consumer connection less capital contributions**		5,892

6a(iv): System Growth and Asset Replacement and Renewal

sch ref		System Growth ($000)	Asset Replacement and Renewal ($000)
45	Subtransmission	363	(1)
46	Zone substations	1,215	74
47	Distribution and LV lines	–	8,568
48	Distribution and LV cables	113	686
49	Distribution substations and transformers		378
50	Distribution switchgear		789
51	Other network assets		173
52	**System growth and asset replacement and renewal expenditure**	1,692	10,668
53	*less* Capital contributions funding system growth and asset replacement and renewal		
54	**System growth and asset replacement and renewal less capital contributions**	1,692	10,668

6a(v): Asset Relocations

sch ref	*Project or programme**	($000)	($000)
58	[Description of material project or programme]		
59	[Description of material project or programme]		
60	[Description of material project or programme]		
61	[Description of material project or programme]		
62	[Description of material project or programme]		
63	** include additional rows if needed*		
64	All other projects or programmes - asset relocations		
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 2023**

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 this ID determination), and so is subject to the assurance report required by section 2.8.

sch ref

6a(vi): Quality of Supply

			($000)	($000)
		*Project or programme**		
		Network Reinforcement	184	
		Network Support & Monitoring	52	
		[Description of material project or programme]		
		[Description of material project or programme]		
		[Description of material project or programme]		
		** include additional rows if needed*		
		All other projects programmes - quality of supply		
		Quality of supply expenditure		236
	less	Capital contributions funding quality of supply		
		Quality of supply less capital contributions		236

6a(vii): Legislative and Regulatory

			($000)	($000)
		*Project or programme**		
		Right of Use Assets	54	
		[Description of material project or programme]		
		[Description of material project or programme]		
		[Description of material project or programme]		
		[Description of material project or programme]		
		** include additional rows if needed*		
		All other projects or programmes - legislative and regulatory		
		Legislative and regulatory expenditure		54
	less	Capital contributions funding legislative and regulatory		
		Legislative and regulatory less capital contributions		54

6a(viii): Other Reliability, Safety and Environment

			($000)	($000)
		*Project or programme**		
		Network Major Projects	466	
		Network Reinforcement	866	
		[Description of material project or programme]		
		[Description of material project or programme]		
		[Description of material project or programme]		
		** include additional rows if needed*		
		All other projects or programmes - other reliability, safety and environment		
		Other reliability, safety and environment expenditure		1,332
	less	Capital contributions funding other reliability, safety and environment		
		Other reliability, safety and environment less capital contributions		1,332

6a(ix): Non-Network Assets

Routine expenditure

			($000)	($000)
		*Project or programme**		
		Land & Buildings	222	
		Motor Vehicles	331	
		Plant & Equipment	257	
		Office Furniture & Fittings and Computer Hardware	296	
		Computer Software	882	
		** include additional rows if needed*		
		All other projects or programmes - routine expenditure		
		Routine expenditure		1,988

Atypical expenditure

			($000)	($000)
		*Project or programme**		
		Lidar & Pole Top Photography	643	
		[Description of material project or programme]		
		** include additional rows if needed*		
		All other projects or programmes - atypical expenditure		
		Atypical expenditure		643
		Expenditure on non-network assets		2,631

Company Name	**MainPower**
For Year Ended	**31 March 2023**

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 this ID determination), and so is subject to the assurance report required by section 2.8.

sch ref

6b(i): Operational Expenditure

		($000)	($000)
8	Service interruptions and emergencies	969	
9	Vegetation management	983	
10	Routine and corrective maintenance and inspection	4,083	
11	Asset replacement and renewal	2	
12	**Network opex**		6,037
13	System operations and network support	10,497	
14	Business support	4,341	
15	**Non-network opex**		14,838
16			
17	**Operational expenditure**		20,875

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

EDBs' must disclose both a public version of this Schedule (excluding cybersecurity cost data) and a confidential version of this Schedule (including cybersecurity costs)

20	Energy efficiency and demand side management, reduction of energy losses	
21	Direct billing*	
22	Research and development	
23	Insurance	836
24	Cybersecurity (Commission only)	

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

Company Name	**MainPower**
For Year Ended	**31 March 2023**

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 this ID determination), and so is subject to the assurance report required by section 2.8. For the purpose of this audit, target revenue and forecast expenditures only need to be verified back to previous disclosures.

sch ref

		Target ($000) [1]	Actual ($000)	% variance
7	**7(i): Revenue**			
8	Line charge revenue	56,900	55,535	(2%)
		Forecast ($000) [2]	**Actual ($000)**	**% variance**
9	**7(ii): Expenditure on Assets**			
10	Consumer connection	6,000	12,845	114%
11	System growth	3,246	1,692	(48%)
12	Asset replacement and renewal	11,575	10,668	(8%)
13	Asset relocations	-	–	–
14	Reliability, safety and environment:			
15	Quality of supply	1,152	236	(79%)
16	Legislative and regulatory	-	54	–
17	Other reliability, safety and environment	1,584	1,332	(16%)
18	**Total reliability, safety and environment**	2,735	1,622	(41%)
19	**Expenditure on network assets**	23,556	26,826	14%
20	Expenditure on non-network assets	3,359	2,631	(22%)
21	Expenditure on assets	26,915	29,457	9%
22	**7(iii): Operational Expenditure**			
23	Service interruptions and emergencies	1,000	969	(3%)
24	Vegetation management	1,000	983	(2%)
25	Routine and corrective maintenance and inspection	4,361	4,083	(6%)
26	Asset replacement and renewal	-	2	–
27	**Network opex**	6,361	6,037	(5%)
28	System operations and network support	9,700	10,497	8%
29	Business support	4,200	4,341	3%
30	**Non-network opex**	13,900	14,838	7%
31	**Operational expenditure**	20,261	20,875	3%
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		–	–
36				
37	**7(v): Subcomponents of Operational Expenditure (where known)**			
38	Energy efficiency and demand side management, reduction of energy losses		–	–
39	Direct billing		–	–
40	Research and development		–	–
41	Insurance	783	836	7%
42				

43 *1 From the nominal dollar target revenue for the disclosure year disclosed under clause 2.4.3(3) of this determination*

44 *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 2023**
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)	Billed quantities by price component: Distribution Fixed Charge (Days)	Transmission Fixed Charge (Days)	Distribution Variable Charge (kWh)	Transmission Variable Charge (kWh)	Large User Distribution Variable Charge (kWh)	Large User Transmission Variable Charge (kWh)	Non Standard Fixed Charge (Days)	Non Standard (kWh)
15	All Inclusive Low User MPAILU	Residential	Standard	12,907	77,371	4,866,201	4,866,201	77,371,389	77,371,389				
16	All Inclusive Standard User MPAISTD	Residential	Standard	17,227	173,535	6,099,831	6,099,831	173,534,662	173,534,662				
17	Council Pumping MPCOUNPUMP	Community	Standard	207	13,051	74,937	74,937	13,050,787	13,050,787				
18	Irrigation MPIRR	Commercial	Standard	1,466	67,017	508,669	508,669	67,016,545	67,016,545				
19	Non-Residential - Large Users MPLGEUSER	Commercial	Standard	42	57,814	15,695	15,695			57,813,622	57,813,622		
20	All Inclusive with Night Only Low User MPNILU	Residential	Standard	998	5,838	368,556	368,556	5,837,635	5,837,635				
21	All Inclusive with Night Only Standard User MPNISTD	Residential	Standard	1,574	17,177	561,356	561,356	17,177,364	17,177,364				
22	Non-Residential MPNONRES	Commercial	Standard	5,952	129,130	1,980,728	1,980,728	129,130,135	129,130,135				
23	Streetlighting MPSTLGT	Commercial	Standard	111	3,572	36,024	36,024	3,571,501	3,571,501				
24	Temporary Supply MPTEMP	Commercial	Standard	462	272	40,021	40,021	272,315	272,315				
25	Uncontrolled Low User MPUCLU	Residential	Standard	1,049	6,699	428,410	428,410	6,699,188	6,699,188				
26	Uncontrolled Standard User MPUCSTD	Residential	Standard	2,113	21,613	755,906	755,906	21,612,794	21,612,794				
27													
28	To Be Accrued Consumption as at 26/06/2023	Commercial	Standard	–	(2,223)	–	–	(2,223,375)	(2,223,375)				
29													
30	ICP's Direct Supply	Commercial	Non-standard	1	49,187								49,186,809
31													
32													
33													
34													
35	*Add extra rows for additional consumer groups or price category codes as necessary*												
36	**Standard consumer totals**			44,108	570,865	15,736,334	15,736,334	513,050,940	513,050,940	57,813,622	57,813,622	–	–
37	**Non-standard consumer totals**			1	49,187	–	–	–	–	–	–	–	49,186,809
38	**Total for all consumers**			44,109	620,051	15,736,334	15,736,334	513,050,940	513,050,940	57,813,622	57,813,622	–	49,186,809

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

Company Name	**MainPower**
For Year Ended	**31 March 2023**
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

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)	Line charge revenues ($000) by price component								*Add extra columns for additional line charge revenues by price component as necessary*
							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
							Rate (eg, $ per day, $ per kWh, etc.)	Days	Days	kWh	kWh	kWh	kWh	Days	kWh
All Inclusive Low User MPAILU	Residential	Standard	$9,226	$499	$8,184	$1,042		$1,619	$207	$6,565	$834				
All Inclusive Standard User MPAISTD	Residential	Standard	$16,027	$2,804	$11,999	$4,028		$8,952	$3,157	$3,048	$871				
Council Pumping MPCOUNPUMP	Community	Standard	$711	$31	$570	$141		$272	$93	$298	$48				
Irrigation MPIRR	Commercial	Standard	$7,028	$133	$4,718	$2,310		$2,771	$1,469	$1,947	$841				
Non-Residential - Large Users MPLGEUSER	Commercial	Standard	$3,485	$8	$2,502	$982		$428	$699			$2,074	$283		
All Inclusive with Night Only Low User MPNILU	Residential	Standard	$656	$36	$580	$75		$112	$12	$469	$64				
All Inclusive with Night Only Standard User MPNISTD	Residential	Standard	$1,466	$262	$1,091	$375		$820	$291	$271	$84				
Non-Residential MPNONRES	Commercial	Standard	$11,708	$549	$9,596	$2,112		$5,022	$1,413	$4,574	$699				
Streetlighting MPSTLGT	Commercial	Standard	$162	$9	$134	$28		$134	$28	–	–				
Temporary Supply MPTEMP	Commercial	Standard	$152	$0	$127	$24		$100	$23	$28	$1				
Uncontrolled Low User MPUCLU	Residential	Standard	$992	$53	$886	$106		$182	$33	$704	$73				
Uncontrolled Standard User MPUCSTD	Residential	Standard	$2,535	$346	$2,021	$514		$1,138	$398	$883	$115				
To Be Accrued Consumption as at 20/06/2022	Commercial	Standard	($91)	–	($79)	($12)				($79)	($12)				
ICP's Direct Supply	Commercial	Non-standard	$1,478	–	$295	$1,183								$295	$1,183
			–												
			–												
			–												
			–												
Add extra rows for additional consumer groups or price category codes as necessary															
		Standard consumer totals	$54,056	$4,730	$42,330	$11,726		$21,550	$7,824	$18,706	$3,619	$2,074	$283	–	–
		Non-standard consumer totals	$1,478	–	$295	$1,183		–	–	–	–	–	–	$295	$1,183
		Total for all consumers	$55,535	$4,730	$42,626	$12,909		$21,550	$7,824	$18,706	$3,619	$2,074	$283	$295	$1,183

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 2023**
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

8	Voltage	Asset category	Asset class	Units	Items at start of year (quantity)	Items at end of year (quantity)	Net change	Data accuracy (1–4)
9	All	Overhead Line	Concrete poles / steel structure	No.	9,430	9,873	443	2
10	All	Overhead Line	Wood poles	No.	47,549	46,571	(978)	2
11	All	Overhead Line	Other pole types	No.	–	–	–	N/A
12	HV	Subtransmission Line	Subtransmission OH up to 66kV conductor	km	386	386	0	3
13	HV	Subtransmission Line	Subtransmission OH 110kV+ conductor	km	–	–	–	N/A
14	HV	Subtransmission Cable	Subtransmission UG up to 66kV (XLPE)	km	4	4	0	3
15	HV	Subtransmission Cable	Subtransmission UG up to 66kV (Oil pressurised)	km	–	–	–	N/A
16	HV	Subtransmission Cable	Subtransmission UG up to 66kV (Gas pressurised)	km	–	–	–	N/A
17	HV	Subtransmission Cable	Subtransmission UG up to 66kV (PILC)	km	–	–	–	N/A
18	HV	Subtransmission Cable	Subtransmission UG 110kV+ (XLPE)	km	–	–	–	N/A
19	HV	Subtransmission Cable	Subtransmission UG 110kV+ (Oil pressurised)	km	–	–	–	N/A
20	HV	Subtransmission Cable	Subtransmission UG 110kV+ (Gas Pressurised)	km	–	–	–	N/A
21	HV	Subtransmission Cable	Subtransmission UG 110kV+ (PILC)	km	–	–	–	N/A
22	HV	Subtransmission Cable	Subtransmission submarine cable	km	–	–	–	N/A
23	HV	Zone substation Buildings	Zone substations up to 66kV	No.	15	15	–	3
24	HV	Zone substation Buildings	Zone substations 110kV+	No.	–	–	–	N/A
25	HV	Zone substation switchgear	50/66/110kV CB (Indoor)	No.	–	–	–	N/A
26	HV	Zone substation switchgear	50/66/110kV CB (Outdoor)	No.	13	13	–	3
27	HV	Zone substation switchgear	33kV Switch (Ground Mounted)	No.	–	–	–	N/A
28	HV	Zone substation switchgear	33kV Switch (Pole Mounted)	No.	53	42	(11)	2
29	HV	Zone substation switchgear	33kV RMU	No.	–	–	–	N/A
30	HV	Zone substation switchgear	22/33kV CB (Indoor)	No.	31	11	(20)	2
31	HV	Zone substation switchgear	22/33kV CB (Outdoor)	No.	19	18	(1)	2
32	HV	Zone substation switchgear	3.3/6.6/11/22kV CB (ground mounted)	No.	35	67	32	2
33	HV	Zone substation switchgear	3.3/6.6/11/22kV CB (pole mounted)	No.	21	26	5	2
34	HV	Zone Substation Transformer	Zone Substation Transformers	No.	28	25	(3)	3
35	HV	Distribution Line	Distribution OH Open Wire Conductor	km	3,321	3,314	(7)	2
36	HV	Distribution Line	Distribution OH Aerial Cable Conductor	km	–	–	–	N/A
37	HV	Distribution Line	SWER conductor	km	119	119	0	2
38	HV	Distribution Cable	Distribution UG XLPE or PVC	km	307	320	12	2
39	HV	Distribution Cable	Distribution UG PILC	km	55	53	(2)	2
40	HV	Distribution Cable	Distribution Submarine Cable	km	–	–	–	N/A
41	HV	Distribution switchgear	3.3/6.6/11/22kV CB (pole mounted) - reclosers and sectionalisers	No.	89	127	38	2
42	HV	Distribution switchgear	3.3/6.6/11/22kV CB (Indoor)	No.	45	38	(7)	2
43	HV	Distribution switchgear	3.3/6.6/11/22kV Switches and fuses (pole mounted)	No.	9,860	9,941	81	2
44	HV	Distribution switchgear	3.3/6.6/11/22kV Switch (ground mounted) - except RMU	No.	–	–	–	2
45	HV	Distribution switchgear	3.3/6.6/11/22kV RMU	No.	401	415	14	2
46	HV	Distribution Transformer	Pole Mounted Transformer	No.	7,555	7,579	24	2
47	HV	Distribution Transformer	Ground Mounted Transformer	No.	852	867	15	2
48	HV	Distribution Transformer	Voltage regulators	No.	22	24	2	3
49	HV	Distribution Substations	Ground Mounted Substation Housing	No.	844	880	36	2
50	LV	LV Line	LV OH Conductor	km	237	242	5	2
51	LV	LV Cable	LV UG Cable	km	744	762	18	2
52	LV	LV Street lighting	LV OH/UG Streetlight circuit	km	554	572	19	2
53	LV	Connections	OH/UG consumer service connections	No.	46,623	47,337	714	1
54	All	Protection	Protection relays (electromechanical, solid state and numeric)	No.	315	336	21	2
55	All	SCADA and communications	SCADA and communications equipment operating as a single system	Lot	215	156	(59)	2
56	All	Capacitor Banks	Capacitors including controls	No	–	–	–	N/A
57	All	Load Control	Centralised plant	Lot	8	8	–	3
58	All	Load Control	Relays	No	10,973	10,904	(69)	1
59	All	Civils	Cable Tunnels	km	–	–	–	N/A

Company Name	MainPower
For Year Ended	31 March 2023
Network / Sub-network Name	

SCHEDULE 9b: ASSET AGE PROFILE

This schedule requires a summary of the age profile (based on year of installation) of the assets that make up the network, by asset category and asset class. All units relating to cable and line assets, that are expressed in km, refer to circuit lengths.

sch ref																																						
8		Disclosure Year (year ended)			Number of assets at disclosure year end by installation date																																		
9	Voltage	Asset category	Asset class	Units	pre-1940	1940 –1949	1950 –1959	1960 –1969	1970 –1979	1980 –1989	1990 –1999	2000	2001	2002	2003	2004	2005	2006	2007	2008	2009	2010	2011	2012	2013	2014	2015	2016	2017	2018	2019	2020	2021	2022	2023	2024	2025	No. with age unknown	Items at end of year	No. with default dates	Data accuracy (1–4)
10	All	Overhead Line	Concrete poles / steel structure	No.	–	29	340	314	864	1,647	449	24	43	64	304	123	114	79	67	105	89	260	175	271	389	504	512	704	417	290	195	439	428	289	302			43	9,873		2
11	All	Overhead Line	Wood poles	No.	582	1,080	1,510	2,656	4,942	9,031	8,719	551	721	598	446	779	1,237	834	816	991	1,464	1,147	770	855	664	732	862	823	708	316	484	758	589	446	429			31	46,571		2
12	All	Overhead Line	Other pole types	No.	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–				–		N/A
13	HV	Subtransmission Line	Subtransmission OH up to 66kV conductor	km	2	–	0	30	49	121	39	4	1	13	18	–	–	0	1	0	–	1	–	83	3	4	10	5	–	–	–	–	1	–	–			–	386		3
14	HV	Subtransmission Line	Subtransmission OH 110kV+ conductor	km																																		–		N/A
15	HV	Subtransmission Cable	Subtransmission UG up to 66kV (XLPE)	km	–	–	–	–	0	2	0	0	–	–	–	–	–	–	–	–	–	1	0	–	–	–	–	–	–	1	–	0	0	–	–			–	4		3
16	HV	Subtransmission Cable	Subtransmission UG up to 66kV (Oil pressurised)	km																																		–		N/A
17	HV	Subtransmission Cable	Subtransmission UG up to 66kV (Gas pressurised)	km																																		–		N/A
18	HV	Subtransmission Cable	Subtransmission UG up to 66kV (PILC)	km																																		–		N/A
19	HV	Subtransmission Cable	Subtransmission UG 110kV+ (XLPE)	km																																		–		N/A
20	HV	Subtransmission Cable	Subtransmission UG 110kV+ (Oil pressurised)	km																																		–		N/A
21	HV	Subtransmission Cable	Subtransmission UG 110kV+ (Gas Pressurised)	km																																		–		N/A
22	HV	Subtransmission Cable	Subtransmission UG 110kV+ (PILC)	km																																		–		N/A
23	HV	Subtransmission Cable	Subtransmission submarine cable	km																																		–		N/A
24	HV	Zone substation Buildings	Zone substations up to 66kV	No.	–	–	–	2	7	1	–	–	–	–	–	–	–	–	1	1	–	–	–	–	–	–	2	–	–	–	–	–	1	–	–			–	15		3
25	HV	Zone substation Buildings	Zone substations 110kV+	No.																																		–		N/A
26	HV	Zone substation switchgear	50/66/110kV CB (Indoor)	No.																																		–		N/A
27	HV	Zone substation switchgear	50/66/110kV CB (Outdoor)	No.	–	–	–	–	–	–	1	–	–	–	–	–	–	–	4	3	–	–	–	1	–	4	–	–	–	–	–	–	–	–	–			–	13		3
28	HV	Zone substation switchgear	33kV Switch (Ground Mounted)	No.																																		–		N/A
29	HV	Zone substation switchgear	33kV Switch (Pole Mounted)	No.	–	–	–	2	11	8	–	–	1	–	–	–	–	6	–	–	–	2	1	1	2	–	–	–	–	–	2	–	–	–	–			–	42		2
30	HV	Zone substation switchgear	33kV RMU	No.																																		–		N/A
31	HV	Zone substation switchgear	22/33kV CB (Indoor)	No.	–	–	–	–	–	–	10	–	–	–	–	–	–	1	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–			–	11		2
32	HV	Zone substation switchgear	22/33kV CB (Outdoor)	No.	–	–	–	–	5	2	2	–	–	–	1	–	–	2	–	1	–	–	–	–	–	2	2	–	–	–	1	–	–	–	–			–	18		2
33	HV	Zone substation switchgear	3.3/6.6/11/22kV CB (ground mounted)	No.	–	–	–	–	3	4	13	–	7	–	–	–	–	–	–	8	1	–	–	1	–	–	12	–	–	–	–	18	–	–	–			–	67		2
34	HV	Zone substation switchgear	3.3/6.6/11/22kV CB (pole mounted)	No.	–	–	–	–	–	1	–	–	–	1	–	–	1	5	12	3	–	–	2	1	–	–	–	–	–	–	–	–	–	–	–			–	26		2
35	HV	Zone Substation Transformer	Zone Substation Transformers	No.	–	–	–	3	3	3	3	–	–	–	–	–	–	2	5	–	–	–	–	–	–	4	–	–	–	–	–	–	2	–	–			–	25		3
36	HV	Distribution Line	Distribution OH Open Wire Conductor	km	23	6	29	147	497	1,081	800	39	27	39	45	36	54	40	40	43	69	38	30	23	50	32	42	22	15	14	6	7	5	2	2			15	3,314		2
37	HV	Distribution Line	Distribution OH Aerial Cable Conductor	km																																		–		N/A
38	HV	Distribution Line	SWER conductor	km	–	–	–	16	26	66	4	–	2	–	0	–	–	2	2	0	–	–	–	–	–	–	–	–	–	–	0	–	–	0			–	119		2
39	HV	Distribution Cable	Distribution UG XLPE or PVC	km	–	0	–	–	4	6	28	14	10	9	2	13	9	10	12	19	20	9	19	11	16	13	16	22	11	10	6	8	7	8	4			3	320		2
40	HV	Distribution Cable	Distribution UG PILC	km	–	–	–	1	21	16	13	1	–	–	–	–	–	–	–	–	–	0	1	–	–	–	–	0	–	0	–	0	0	–	–			–	53		2
41	HV	Distribution Cable	Distribution Submarine Cable	km																																		–		N/A
42	HV	Distribution switchgear	3.3/6.6/11/22kV CB (pole mounted) - reclosers and sectionalisers	No.	–	–	–	–	1	5	10	–	–	–	–	1	2	4	–	–	1	5	1	3	16	22	34	2	–	–	4	5	11	–	–			–	127		2
43	HV	Distribution switchgear	3.3/6.6/11/22kV CB (Indoor)	No.	–	–	–	–	4	1	–	–	–	–	–	–	1	–	–	–	15	6	–	9	–	–	–	2	–	–	–	–	–	–	–			–	38		2
44	HV	Distribution switchgear	3.3/6.6/11/22kV Switches and fuses (pole mounted)	No.	8	2	4	1,560	263	1,741	979	1,041	131	139	150	194	213	159	143	142	120	141	196	479	458	405	453	379	216	105	22	3	2	70	22			1	9,941		2
45	HV	Distribution switchgear	3.3/6.6/11/22kV Switch (ground mounted) - except RMU	No.	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–			–	–		2
46	HV	Distribution switchgear	3.3/6.6/11/22kV RMU	No.	5	–	–	–	6	33	48	17	6	3	8	10	9	12	10	8	13	11	19	13	23	20	17	11	10	5	6	53	11	16	12			–	415		2
47	HV	Distribution Transformer	Pole Mounted Transformer	No.	1	2	13	417	1,183	833	1,034	211	195	201	194	233	284	226	123	215	187	136	159	87	426	262	112	274	52	63	46	131	103	114	62			–	7,579		2
48	HV	Distribution Transformer	Ground Mounted Transformer	No.	–	–	1	23	74	77	73	18	13	22	22	15	27	42	36	50	42	18	23	17	43	49	31	42	15	12	13	17	15	20	17			–	867		2
49	HV	Distribution Transformer	Voltage regulators	No.	–	–	–	–	1	–	–	–	–	2	4	4	–	–	1	–	–	–	–	–	–	–	–	–	–	–	10	–	–	2	–			–	24		3
50	HV	Distribution Substations	Ground Mounted Substation Housing	No.	–	–	1	132	21	89	100	83	20	24	21	28	24	24	18	19	20	19	21	25	31	37	35	38	20	17	3	–	–	9	1			–	880		2
51	LV	LV Line	LV OH Conductor	km	0	1	2	10	108	55	35	6	2	1	1	2	1	1	1	1	1	2	2	2	0	0	0	–	0	0	0	0	0	–	0			5	242		2
52	LV	LV Cable	LV UG Cable	km	–	–	–	–	78	70	108	26	12	9	11	23	23	23	26	35	19	24	13	19	35	25	27	25	24	16	15	15	20	25	14			1	762		2
53	LV	LV Street lighting	LV OH/UG Streetlight circuit	km	0	0	0	2	245	29	15	7	9	3	4	8	10	8	13	12	5	14	11	12	14	14	20	17	14	11	16	11	15	13	4			16	572		2
54	LV	Connections	OH/UG consumer service connections	No.	13	156	2,084	2,188	3,359	3,615	3,073	518	619	587	666	810	1,015	899	763	893	688	641	665	806	1,259	1,419	1,318	980	1,013	897	942	871	830	1,087	980			11,683	47,337		1
55	All	Protection	Protection relays (electromechanical, solid state and numeric)	No.	–	–	–	3	53	15	24	3	12	–	1	16	15	11	25	27	33	8	6	13	16	23	24	8	–	–	–	–	–	–	–			–	336		2
56	All	SCADA and communications	SCADA and communications equipment operating as a single sys	Lot	–	–	–	–	–	5	38	–	6	–	2	4	4	3	25	15	20	3	5	4	8	1	11	–	–	–	–	–	–	–	1			1	156		2
57	All	Capacitor Banks	Capacitors including controls	No																																		–		N/A
58	All	Load Control	Centralised plant	Lot	–	–	–	–	–	–	–	–	–	–	–	–	2	1	1	–	–	–	–	–	–	–	3	–	–	–	–	–	–	–	1			–	8		3
59	All	Load Control	Relays	No	2,737	66	602	544	1,000	930	779	159	136	111	160	211	185	198	174	199	158	159	144	266	321	793	267	72	126	80	47	33	110	92	10			35	10,904		1
60	All	Civils	Cable Tunnels	km																																		–		N/A

Company Name	**MainPower**
For Year Ended	**31 March 2023**
Network / Sub-network Name	

SCHEDULE 9c: REPORT ON OVERHEAD LINES AND UNDERGROUND CABLES

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

sch ref

		Overhead (km)	Underground (km)	Total circuit length (km)
10	**Circuit length by operating voltage (at year end)**			
11	> 66kV	–	–	–
12	50kV & 66kV	223	1	224
13	33kV	164	4	168
14	SWER (all SWER voltages)	117	2	118
15	22kV (other than SWER)	847	65	913
16	6.6kV to 11kV (inclusive—other than SWER)	2,466	306	2,772
17	Low voltage (< 1kV)	241	762	1,003
18	**Total circuit length (for supply)**	4,058	1,140	5,198
19				
20	Dedicated street lighting circuit length (km)	63	510	573
21	Circuit in sensitive areas (conservation areas, iwi territory etc) (km)			

		Circuit length (km)	(% of total overhead length)
23	**Overhead circuit length by terrain (at year end)**		
24	Urban	49	1%
25	Rural	2,436	60%
26	Remote only	1,445	36%
27	Rugged only	129	3%
28	Remote and rugged		–
29	Unallocated overhead lines		–
30	**Total overhead length**	4,058	100%

		Circuit length (km)	(% of total circuit length)
32			
33	Length of circuit within 10km of coastline or geothermal areas (where known)	2,317	45%

		Circuit length (km)	(% of total overhead length)
34			
35	Overhead circuit requiring vegetation management	2,010	50%

Company Name	**MainPower**
For Year Ended	**31 March 2023**

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 *	Average number of ICPs in disclosure year	Line charge revenue ($000)
8			
9			
10			
11			
12			
13			
14			
15			
16			
17			
18			
19			
20			
21			
22			
23			
24			
25			

26 ** 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 2023**
Network / Sub-network Name	

SCHEDULE 9e: REPORT ON NETWORK DEMAND

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

sch ref

9e(i): Consumer Connections and Decommissionings

Number of ICPs connected during year by consumer type

	*Consumer types defined by EDB**	**Number of connections (ICPs)**
Residential		891
General		84
Irrigation		14
Council Pumping		1
[EDB consumer type]		

** include additional rows if needed*

Connections total 990

Number of ICPs decommissioned during year by consumer type

	*Consumer types defined by EDB**	**Number of decommissionings**
Residential		54
General		48
Irrigation		4
Council Pumping		3
[EDB consumer type]		

** include additional rows if needed*

Decommissionings total 109

Distributed generation

Number of connections made in year	295	**connections**
Capacity of distributed generation installed in year	2.31	**MVA**

9e(ii): System Demand

Maximum coincident system demand

		Demand at time of maximum coincident demand (MW)
	GXP demand	122
plus	Distributed generation output at HV and above	
	Maximum coincident system demand	122
less	Net transfers to (from) other EDBs at HV and above	
	Demand on system for supply to consumers' connection points	122

Electricity volumes carried

		Energy (GWh)	
	Electricity supplied from GXPs	633	
less	Electricity exports to GXPs		
plus	Electricity supplied from distributed generation	23	
less	Net electricity supplied to (from) other EDBs		
	Electricity entering system for supply to consumers' connection points	656	
less	Total energy delivered to ICPs	620	
	Electricity losses (loss ratio)	36	5.4%

Load factor 0.61

9e(iii): Transformer Capacity

	(MVA)
Distribution transformer capacity (EDB owned)	589
Distribution transformer capacity (Non-EDB owned, estimated)	10
Total distribution transformer capacity	599
Zone substation transformer capacity	143

Company Name	**MainPower**
For Year Ended	**31 March 2023**
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 this ID determination), and so is subject to the assurance report required by section 2.8.

sch ref

10(i): Interruptions

Interruptions by class

		Number of interruptions
10	Class A (planned interruptions by Transpower)	
11	Class B (planned interruptions on the network)	625
12	Class C (unplanned interruptions on the network)	710
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**	1,335

Interruption restoration

		≤3Hrs	>3hrs
22	Class C interruptions restored within	529	181

SAIFI and SAIDI by class

		SAIFI	SAIDI
25	Class A (planned interruptions by Transpower)		
26	Class B (planned interruptions on the network)	0.47	165.7
27	Class C (unplanned interruptions on the network)	1.66	141.0
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**	2.13	306.6

Normalised SAIFI and SAIDI

		Normalised SAIFI	Normalised SAIDI
37	Classes B & C (interruptions on the network)	2.13	292.5

Transitional SAIDI and SAIDI (previous method)

		SAIFI	SAIDI
	Where EDBs do not currently record their SAIFI and SAIDI values using the 'multi-count' approach, they shall continue to record their SAIFI and SAIDI values on the same basis that they employed as at 31 March 2023 as 'Transitional SAIFI' and 'Transitional SAIDI' values, in addition to their SAIFI and SAIDI values (Classes B & C) using the 'multi-count approach'. ***This is a transitional reporting requirement that shall be in place for the 2024, 2025, and 2026 disclosure years.***		
41	Class B (planned interruptions on the network)		
42	Class C (unplanned interruptions on the network)		

Company Name	**MainPower**
For Year Ended	**31 March 2023**
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 this 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	0.02	2.2
Vegetation	0.27	26.3
Adverse weather	0.16	35.1
Adverse environment	0.01	0.8
Third party interference	0.37	25.5
Wildlife	0.05	2.9
Human error	0.01	0.1
Defective equipment	0.43	31.1
Cause unknown	0.35	16.9

Breakdown of third party interference	SAIFI	SAIDI
Dig-in	–	–
Overhead contact	0.02	3.1
Vandalism	0.01	2.0
Vehicle damage	0.30	19.3
Other	0.03	1.3

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

Main equipment involved	SAIFI	SAIDI
Subtransmission lines	–	0.0
Subtransmission cables		
Subtransmission other		
Distribution lines (excluding LV)	0.39	141.8
Distribution cables (excluding LV)	0.08	23.4
Distribution other (excluding LV)	0.00	0.5

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

Main equipment involved	SAIFI	SAIDI
Subtransmission lines	0.25	23.0
Subtransmission cables		
Subtransmission other		
Distribution lines (excluding LV)	1.21	100.0
Distribution cables (excluding LV)	0.21	18.1
Distribution other (excluding LV)	0.00	–

10(v): Fault Rate

Main equipment involved	Number of Faults	Circuit length (km)	Fault rate (faults per 100km)
Subtransmission lines	6	387	1.55
Subtransmission cables			–
Subtransmission other			
Distribution lines (excluding LV)	665	3,430	19.39
Distribution cables (excluding LV)	30	374	8.02
Distribution other (excluding LV)	9		
Total	710		

And its consequential impact on revaluations Company Name MainPower New Zealand

For Year Ended 31-03-2023

Schedule 14 Mandatory Explanatory Notes

1. This schedule requires EDBs to provide explanatory notes to information provided in accordance with clauses 2.3.1, 2.4.21, 2.4.22, and subclauses 2.5.1(1)(f),and 2.5.2(1)(e).

2. This schedule is mandatory—EDBs must provide the explanatory comment specified below, in accordance with clause 2.7.1. Information provided in boxes 1 to 12 of this schedule is part of the audited disclosure information, and so is subject to the assurance requirements specified in section 2.8.

3. Schedule 15 (Voluntary Explanatory Notes to Schedules) provides for EDBs to give additional explanation of disclosed information should they elect to do so.

Return on Investment (Schedule 2)

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

Box 1: Explanatory comment on return on investment

MainPower's Post Tax ROI of 6.95% is higher than both the 4.88% mid-point and 4.20% 25th% percentile estimates provided by the Commerce Commission, largely reflecting the significant increase in CPI and the consequential uplift in revaluations as described in Box 2.

Line charge revenue was 2.4% lower than the estimated target revenue published in the Pricing Methodology, but up on the prior year.

Expenditure on assets was higher than predicted (9%) due to strong customer demand for new connections and higher costs associated with supply chain restrictions.

Operational expenditure was 3% higher than forecasted, which was largely in line with expectations given the significant unforeseen increases in CPI and associated pressures on costs.

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 $22.2m compared to $17.5m in FY2022. The main area of fluctuation year-on year was increased lines revenue ($3.9m) due to the impact of CPI on the RAB and network expenditure. Other movements include lower operational expenditure ($0.5m), lower pass-through costs ($$0.5m), increased depreciation ($1.4m) and higher CPI-affected RAB revaluation ($1.0m).

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 $22.5m, $8.6m remains in works under construction resulting in additions to the RAB of $24.1m ($10.2m of which was in opening works under construction).

Depreciation and disposals for the year totalled $18.7m (FY2022: $17.8m) and revaluations were $18.8m (FY2022: $17.8m).

Adjustments resulting for asset allocation were $239k (FY2022: $89k).

The value of the unallocated RAB increased by $24.4m to $309.8m (FY2022: $285.4m), whereas due to the reduction from the asset allocation the allocated RAB increased by $24.0m to $306.3m (FY2022: $282.3m).

Right-of-Use assets of $2.2m is included in the above RAB closing balances (FY2022: $2.9m).

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 $179k related to $25k for movements in Employee Entitlement Provisions, $149k for movements in ROU assets and associated lease liabilities, and $5k for movements in Other Provisions.

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

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

Box 7: Related party transactions
Not applicable.

Cost allocation (Schedule 5d)

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

Box 8: Cost allocation
Operating costs were allocated using the Accounting based allocation approach (ABAA).

Costs of $1,501k have been allocated to Non-electricity distribution services in FY2023.

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

Asset allocation (Schedule 5e)

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

Box 9: Commentary on asset allocation

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

Asset costs of $239k have been allocated to Non-electricity distribution services in FY2023.

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

Capital Expenditure for the Disclosure Year (Schedule 6a)

13. In the box below, comment on expenditure on assets for the disclosure year, as disclosed in Schedule 6a. This comment must include-

    13.1 a description of the materiality threshold applied to identify material projects and programmes described in Schedule 6a;

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

Box 10: Explanation of capital expenditure for the disclosure year

Capital expenditure of $22.5m net of capital contributions was made up of $19.9m on Network assets and $2.6m on Non-network assets.

With regard to 13.1 above, the materiality threshold MainPower has applied is identified projects that form part of the AMP forecasts, where the expenditure reclassification is greater than $50k.

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

Operational Expenditure for the Disclosure Year (Schedule 6b)

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

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

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

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

Box 11: Explanation of operational expenditure for the disclosure year
Operating expenditure of $20.9m was made up of $6.0m on the Network, $10.5m on System operating and network support and $4.3m on Business support.

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

Variance between forecast and actual expenditure (Schedule 7)

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

Box 12: Explanatory comment on variance in actual to forecast expenditure
Capital expenditure on Network assets of $26.8m was 14% above forecast of $23.6m.

Consumer connections accounted for a variance of $6.8m due to greater than expected demand for subdivisions and new residential connections in North Canterbury.

System growth expenditure was below forecast due to delays in the commencement of the zone upgrade substation projects.

Asset replacement and renewal expenditure was 8% below forecast.

Network and non-network capital expenditure was 9% greater than the FY2022 AMP forecast.

Network operational expenditure was 5% lower than the FY2022 forecast.

Non-network operating expenditure was 7% greater than forecast.

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

Information relating to revenues and quantities for the disclosure year

16. In the box below provide-

    16.1 a comparison of the target revenue disclosed before the start of the disclosure year, in accordance with clause 2.4.1 and subclause 2.4.3(3) to total billed line charge revenue for the disclosure year, as disclosed in Schedule 8; and

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

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

Lines revenue for the year of $55.5m was 2.4% lower than the target of $56.9m, although greater than the revenue for 2021/22 of $51.6m.

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

Network Reliability for the Disclosure Year (Schedule 10)

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

Box 14: Commentary on network reliability for the disclosure year

Network reliability measurements for FY2023 were calculated using the ADMS system and Tableau BI tool to develop the reporting. Successive interruptions for FY2023 have been treated in the same way as they were for FY2022.

10(i): The number of planned interruptions increased in the FY2023 reporting period but the planned contribution to SAIFI decreased. This was due to better scheduling and delivery of our AMP work program that resulted in better targeted interruptions for our customers. The number of Unplanned interruptions decreased during the reporting period. Planned SAIDI increased compared to the last reporting period. This was due to a number of replacement and maintenance activities on the urban overhead network that needed to be undertaken.

10(ii): Improvements to the delivery of our asset management program resulted in a decrease in Class B and Class C SAIFI. Class C outages are weighted towards weather related events and consequential vegetation impacts on the overhead lines, as well as several third-party interferences that caused widespread and long duration outages.

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

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

Insurance cover

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

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

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

Box 15: Explanation of insurance cover

MainPower 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

19. In the box below, provide information about amendments to previously disclosed information disclosed in accordance with clause 2.12.1 in the last 7 years, including:

19.1 a description of each error; and

19.2 for each error, reference to the web address where the disclosure made in accordance with clause 2.12.1 is publicly disclosed.

Box 16: Disclosure of amendment to previously disclosed information

No material errors have been identified.

Company Name _____

For Year Ended _____

Schedule 14a Mandatory Explanatory Notes on Forecast Information

1. This Schedule requires EDBs to provide explanatory notes to reports prepared in accordance with clause 2.6.6.

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

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

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

Box 1: Commentary on difference between nominal and constant price capital expenditure forecasts
[Insert text here]

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
[Insert text here]

Company Name _____

For Year Ended _____

Schedule 15 Voluntary Explanatory Notes

1. This schedule enables EDBs to provide, should they wish to-

   1.1 additional explanatory comment to reports prepared in accordance with clauses 2.3.1, 2.4.21, 2.4.22, 2.5.1 and 2.5.2;

   1.2 information on any substantial changes to information disclosed in relation to a prior disclosure year, as a result of final wash-ups.

2. Information in this schedule is not part of the audited disclosure information, and so is not subject to the assurance requirements specified in section 2.8.

3. Provide additional explanatory comment in the box below.

Box 1: Voluntary explanatory comment on disclosed information
[Insert text below]