



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

Company Name	<input type="text" value="Westpower Limited"/>
Disclosure Date	<input type="text"/>
Disclosure Year (year ended)	<input type="text" value="31 March 2020"/>

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

Table of Contents

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

Company Name **Westpower Limited**
 For Year Ended **31 March 2020**

SCHEDULE 1: ANALYTICAL RATIOS

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

sch ref

7 **1(i): Expenditure metrics**

	Expenditure per GWh energy delivered to ICPs (\$/GWh)	Expenditure per average no. of ICPs (\$/ICP)	Expenditure per MW maximum coincident system demand (\$/MW)	Expenditure per km circuit length (\$/km)	Expenditure per MVA of capacity from EDB-owned distribution transformers (\$/MVA)
Operational expenditure	39,662	680	207,533	4,064	60,817
Network	20,734	355	108,489	2,125	31,792
Non-network	18,929	324	99,044	1,940	29,024
Expenditure on assets	13,471	231	70,489	1,380	20,656
Network	12,473	214	65,267	1,278	19,126
Non-network	998	17	5,222	102	1,530

17 **1(ii): Revenue metrics**

	Revenue per GWh energy delivered to ICPs (\$/GWh)	Revenue per average no. of ICPs (\$/ICP)
Total consumer line charge revenue	91,309	1,565
Standard consumer line charge revenue	91,309	1,565
Non-standard consumer line charge revenue	-	-

23 **1(iii): Service intensity measures**

Demand density	20	Maximum coincident system demand per km of circuit length (for supply) (kW/km)
Volume density	102	Total energy delivered to ICPs per km of circuit length (for supply) (MWh/km)
Connection point density	6	Average number of ICPs per km of circuit length (for supply) (ICPs/km)
Energy intensity	17,143	Total energy delivered to ICPs per average number of ICPs (kWh/ICP)

30 **1(iv): Composition of regulatory income**

	(\$000)	% of revenue
Operational expenditure	9,339	42.50%
Pass-through and recoverable costs excluding financial incentives and wash-ups	4,656	21.19%
Total depreciation	4,686	21.32%
Total revaluations	2,685	12.22%
Regulatory tax allowance	285	1.30%
Regulatory profit/(loss) including financial incentives and wash-ups	5,693	25.91%
Total regulatory income	21,975	

40 **1(v): Reliability**

Interruption rate	8.66	Interruptions per 100 circuit km
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Company Name **Westpower Limited**
 For Year Ended **31 March 2020**

SCHEDULE 2: REPORT ON RETURN ON INVESTMENT

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

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

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sch ref

2(i): Return on Investment		CY-2	CY-1	Current Year CY
		31 Mar 18	31 Mar 19	31 Mar 20
		%	%	%
9	ROI – comparable to a post tax WACC			
10	Reflecting all revenue earned	3.21%	3.85%	4.78%
11	Excluding revenue earned from financial incentives	3.21%	3.85%	4.78%
12	Excluding revenue earned from financial incentives and wash-ups	3.21%	3.85%	4.78%
14	Mid-point estimate of post tax WACC	5.04%	4.75%	4.27%
15	25th percentile estimate	4.36%	4.07%	3.59%
16	75th percentile estimate	5.72%	5.43%	4.95%
19	ROI – comparable to a vanilla WACC			
20	Reflecting all revenue earned	3.80%	4.36%	5.21%
21	Excluding revenue earned from financial incentives	3.80%	4.36%	5.21%
22	Excluding revenue earned from financial incentives and wash-ups	3.80%	4.36%	5.21%
24	WACC rate used to set regulatory price path			
26	Mid-point estimate of vanilla WACC	5.60%	5.26%	4.69%
27	25th percentile estimate	4.92%	4.58%	4.01%
28	75th percentile estimate	6.29%	5.94%	5.37%
30	2(ii): Information Supporting the ROI	(\$'000)		
32	Total opening RAB value	105,938		
33	plus Opening deferred tax	4,295		
34	Opening RIV		110,233	
36	Line charge revenue		21,500	
38	Expenses cash outflow	13,995		
39	add Assets commissioned	2,211		
40	less Asset disposals	170		
41	add Tax payments	42		
42	less Other regulated income	475		
43	Mid-year net cash outflows		15,603	
45	Term credit spread differential allowance		–	
47	Total closing RAB value	105,978		
48	less Adjustment resulting from asset allocation	0		
49	less Lost and found assets adjustment	–		
50	plus Closing deferred tax	4,051		
51	Closing RIV		110,029	
53	ROI – comparable to a vanilla WACC			5.21%
55	Leverage (%)			42%
56	Cost of debt assumption (%)			3.61%
57	Corporate tax rate (%)			28%
59	ROI – comparable to a post tax WACC			4.78%

Company Name **Westpower Limited**
 For Year Ended **31 March 2020**

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 5.11%

Year-end ROI – comparable to a post tax WACC 4.69%

** 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 **Westpower Limited**
 For Year Ended **31 March 2020**

SCHEDULE 3: REPORT ON REGULATORY PROFIT

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

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

sch ref

sch ref		(\$000)
7	3(i): Regulatory Profit	
8	Income	
9	Line charge revenue	21,500
10	plus Gains / (losses) on asset disposals	(167)
11	plus Other regulated income (other than gains / (losses) on asset disposals)	642
12		
13	Total regulatory income	21,975
14	Expenses	
15	less Operational expenditure	9,339
16		
17	less Pass-through and recoverable costs excluding financial incentives and wash-ups	4,656
18		
19	Operating surplus / (deficit)	7,980
20		
21	less Total depreciation	4,686
22		
23	plus Total revaluations	2,685
24		
25	Regulatory profit / (loss) before tax	5,979
26		
27	less Term credit spread differential allowance	-
28		
29	less Regulatory tax allowance	285
30		
31	Regulatory profit/(loss) including financial incentives and wash-ups	5,693
32		
33	3(ii): Pass-through and Recoverable Costs excluding Financial Incentives and Wash-Ups	(\$000)
34	Pass through costs	
35	Rates	165
36	Commerce Act levies	8
37	Industry levies	53
38	CPP specified pass through costs	
39	Recoverable costs excluding financial incentives and wash-ups	
40	Electricity lines service charge payable to Transpower	2,666
41	Transpower new investment contract charges	
42	System operator services	
43	Distributed generation allowance	1,764
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	4,656
47		

Company Name **Westpower Limited**
 For Year Ended **31 March 2020**

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

		(\$000)	
		CY-1	CY
		31 Mar 19	31 Mar 20
48	3(iii): Incremental Rolling Incentive Scheme		
49			
50			
51	Allowed controllable opex		
52	Actual controllable opex		
53			
54	Incremental change in year		
55			
		Previous years' incremental change	Previous years' incremental change adjusted for inflation
56			
57	CY-5 31 Mar 15		
58	CY-4 31 Mar 16		
59	CY-3 31 Mar 17		
60	CY-2 31 Mar 18		
61	CY-1 31 Mar 19		
62	Net incremental rolling incentive scheme		-
63			
64	Net recoverable costs allowed under incremental rolling incentive scheme		-
65	3(iv): Merger and Acquisition Expenditure		
70			(\$000)
66	Merger and acquisition expenditure		
67			
68	<i>Provide commentary on the benefits of merger and acquisition expenditure to the electricity distribution business, including required disclosures in accordance with section 2.7, in Schedule 14 (Mandatory Explanatory Notes)</i>		
69	3(v): Other Disclosures		
70			(\$000)
71	Self-insurance allowance		

Company Name **Westpower Limited**
 For Year Ended **31 March 2020**

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

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

sch ref

4(i): Regulatory Asset Base Value (Rolled Forward)		for year ended				
		RAB 31 Mar 16 (\$000)	RAB 31 Mar 17 (\$000)	RAB 31 Mar 18 (\$000)	RAB 31 Mar 19 (\$000)	RAB 31 Mar 20 (\$000)
	Total opening RAB value	112,420	110,500	109,461	107,704	105,938
	less Total depreciation	4,320	4,332	4,430	4,542	4,686
	plus Total revaluations	660	2,394	1,204	1,598	2,685
	plus Assets commissioned	2,165	1,733	1,538	2,354	2,211
	less Asset disposals	425	834	69	1,176	170
	plus Lost and found assets adjustment					-
	plus Adjustment resulting from asset allocation					0
	Total closing RAB value	110,500	109,461	107,704	105,938	105,978

4(ii): Unallocated Regulatory Asset Base		Unallocated RAB *		RAB	
		(\$000)	(\$000)	(\$000)	(\$000)
	Total opening RAB value		105,938		105,938
	less Total depreciation		4,686		4,686
	plus Total revaluations		2,685		2,685
	plus Assets commissioned (other than below)	552		552	
	Assets acquired from a regulated supplier				
	Assets acquired from a related party	1,659		1,659	
	Assets commissioned		2,211		2,211
	less Asset disposals (other than below)	170		170	
	Asset disposals to a regulated supplier				
	Asset disposals to a related party				
	Asset disposals		170		170
	plus Lost and found assets adjustment				
	plus Adjustment resulting from asset allocation				0
	Total closing RAB value		105,978		105,978

* 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 **Westpower Limited**
 For Year Ended **31 March 2020**

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

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

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

CPI _t	1,052
CPI _{t-4}	1,026
Revaluation rate (%)	2.53%

	Unallocated RAB *		RAB	
	(\$000)	(\$000)	(\$000)	(\$000)
Total opening RAB value	105,938		105,938	
less Opening value of fully depreciated, disposed and lost assets				
Total opening RAB value subject to revaluation	105,938		105,938	
Total revaluations		2,685		2,685

4(iv): Roll Forward of Works Under Construction

	Unallocated works under construction		Allocated works under construction	
Works under construction—preceding disclosure year		645		645
plus Capital expenditure	3,172		3,172	
less Assets commissioned	2,211		2,211	
plus Adjustment resulting from asset allocation				
Works under construction - current disclosure year		1,606		1,606

Highest rate of capitalised finance applied

Company Name **Westpower Limited**
 For Year Ended **31 March 2020**

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

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

sch ref

76 4(v): Regulatory Depreciation

	Unallocated RAB *		RAB	
	(\$000)	(\$000)	(\$000)	(\$000)
79 Depreciation - standard	4,066		4,066	
80 Depreciation - no standard life assets	620		620	
81 Depreciation - modified life assets				
82 Depreciation - alternative depreciation in accordance with CPP				
83 Total depreciation		4,686		4,686

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

(\$000 unless otherwise specified)

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

* include additional rows if needed

96 4(vii): Disclosure by Asset Category

(\$000 unless otherwise specified)

	Subtransmission lines	Subtransmission cables	Zone substations	Distribution and LV lines	Distribution and LV cables	Distribution substations and transformers	Distribution switchgear	Other network assets	Non-network assets	Total
99 Total opening RAB value	16,517		25,578	31,837	5,761	13,579	6,223	5,628	815	105,938
100 less Total depreciation	554		1,020	1,294	262	620	282	505	149	4,686
101 plus Total revaluations	419		648	806	146	344	158	143	21	2,685
102 plus Assets commissioned	167		66	602		375	297	469	235	2,211
103 less Asset disposals	9		9	122			28	2		170
104 plus Lost and found assets adjustment										-
105 plus Adjustment resulting from asset allocation										-
106 plus Asset category transfers										-
107 Total closing RAB value	16,540	-	25,263	31,829	5,645	13,678	6,368	5,733	922	105,978
109 Asset Life										
110 Weighted average remaining asset life	36.4		25.1	32.3	25.1	30.0	26.9	15.7	5.2	(years)
111 Weighted average expected total asset life	58.0		43.2	54.7	56.6	51.2	37.2	37.2	7.4	(years)

Company Name **Westpower Limited**
 For Year Ended **31 March 2020**

SCHEDULE 5a: REPORT ON REGULATORY TAX ALLOWANCE

This schedule requires information on the calculation of the regulatory tax allowance. This information is used to calculate regulatory profit/loss in Schedule 3 (regulatory profit). EDBs must provide explanatory commentary on the information disclosed in this schedule, in Schedule 14 (Mandatory Explanatory Notes). This information is part of audited disclosure information (as defined in section 1.4 of the ID determination), and so is subject to the assurance report required by section 100.

sch ref

		(\$000)	
7	5a(i): Regulatory Tax Allowance		
8	Regulatory profit / (loss) before tax		5,979
9			
10	<i>plus</i> Income not included in regulatory profit / (loss) before tax but taxable		*
11	Expenditure or loss in regulatory profit / (loss) before tax but not deductible	539	*
12	Amortisation of initial differences in asset values	1,569	
13	Amortisation of revaluations	576	
14			2,684
15			
16	<i>less</i> Total revaluations	2,685	
17	Income included in regulatory profit / (loss) before tax but not taxable		*
18	Discretionary discounts and customer rebates	2,990	
19	Expenditure or loss deductible but not in regulatory profit / (loss) before tax	327	*
20	Notional deductible interest	1,642	
21			7,644
22			
23	Regulatory taxable income		1,019
24			
25	<i>less</i> Utilised tax losses		
26	Regulatory net taxable income		1,019
27			
28	Corporate tax rate (%)	28%	
29	Regulatory tax allowance		285

* Workings to be provided in Schedule 14

5a(ii): Disclosure of Permanent Differences

In Schedule 14, Box 5, provide descriptions and workings of items recorded in the asterisked categories in Schedule 5a(i).

5a(iii): Amortisation of Initial Difference in Asset Values

(\$000)

36	Opening unamortised initial differences in asset values	37,665	
37	<i>less</i> Amortisation of initial differences in asset values	1,569	
38	<i>plus</i> Adjustment for unamortised initial differences in assets acquired		
39	<i>less</i> Adjustment for unamortised initial differences in assets disposed	130	
40	Closing unamortised initial differences in asset values		35,966
41			
42	Opening weighted average remaining useful life of relevant assets (years)		24

Company Name **Westpower Limited**
 For Year Ended **31 March 2020**

SCHEDULE 5a: REPORT ON REGULATORY TAX ALLOWANCE

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

sch ref

44	5a(iv): Amortisation of Revaluations			(\$000)
45				
46	Opening sum of RAB values without revaluations		93,409	
47				
48	Adjusted depreciation		4,110	
49	Total depreciation		4,686	
50	Amortisation of revaluations			576
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		4,295	
61				
62	plus Tax effect of adjusted depreciation		1,151	
63				
64	less Tax effect of tax depreciation		942	
65				
66	plus Tax effect of other temporary differences*		(59)	
67				
68	less Tax effect of amortisation of initial differences in asset values		439	
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		(47)	
73				
74	plus Deferred tax cost allocation adjustment		(0)	
75				
76	Closing deferred tax			4,051
77				
78	5a(vii): Disclosure of Temporary Differences			
79	<i>In Schedule 14, Box 6, provide descriptions and workings of items recorded in the asterisked category in Schedule 5a(vi) (Tax effect of other temporary differences).</i>			
80				
81	5a(viii): Regulatory Tax Asset Base Roll-Forward			
82				(\$000)
83	Opening sum of regulatory tax asset values		35,323	
84	less Tax depreciation		3,365	
85	plus Regulatory tax asset value of assets commissioned		2,086	
86	less Regulatory tax asset value of asset disposals		3	
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			34,041

Company Name **Westpower Limited**
 For Year Ended **31 March 2020**

SCHEDULE 5b: REPORT ON RELATED PARTY TRANSACTIONS

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

sch ref

5b(i): Summary—Related Party Transactions		(\$000)	(\$000)
7	Total regulatory income		4
8			
9			
10	Market value of asset disposals		
11			
12	Service interruptions and emergencies	605	
13	Vegetation management	676	
14	Routine and corrective maintenance and inspection	3,074	
15	Asset replacement and renewal (opex)	222	
16	Network opex		4,577
17	Business support	185	
18	System operations and network support	333	
19	Operational expenditure		5,095
20	Consumer connection	171	
21	System growth	202	
22	Asset replacement and renewal (capex)	1,437	
23	Asset relocations	–	
24	Quality of supply	464	
25	Legislative and regulatory	–	
26	Other reliability, safety and environment	164	
27	Expenditure on non-network assets		–
28	Expenditure on assets		2,438
29	Cost of financing		
30	Value of capital contributions		
31	Value of vested assets		
32	Capital Expenditure		2,438
33	Total expenditure		7,533
34			
35	Other related party transactions		376

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)
ElectroNet Services Limited	Service interruptions and emergencies	605
ElectroNet Services Limited	Vegetation management	676
ElectroNet Services Limited	Routine and corrective maintenance and inspection	3,058
ElectroNet Services Limited	Asset replacement and renewal (opex)	222
ElectroNet Services Limited	Business support	177
ElectroNet Services Limited	System operations and network support	313
ElectroNet Services Limited	Consumer connection	171
ElectroNet Services Limited	Asset replacement and renewal (capex)	1,437
ElectroNet Services Limited	Asset relocations	–
ElectroNet Services Limited	Quality of supply	302
ElectroNet Services Limited	Legislative and regulatory	–
ElectroNet Services Limited	Other reliability, safety and environment	164
ElectroNet Services Limited	System growth	202
Mitton Electronet Limited	Routine and corrective maintenance and inspection	16
Mitton Electronet Limited	Business support	8
Mitton Electronet Limited	System operations and network support	20
Mitton Electronet Limited	Quality of supply	29
ElectroNet Technology	Quality of supply	133
	[Select one]	
Total value of related party transactions		7,533

* include additional rows if needed

Company Name **Westpower Limited**
 For Year Ended **31 March 2020**

SCHEDULE 5c: REPORT ON TERM CREDIT SPREAD DIFFERENTIAL ALLOWANCE

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

sch ref

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

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

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

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

Company Name **Westpower Limited**
 For Year Ended **31 March 2020**

SCHEDULE 5e: REPORT ON ASSET ALLOCATIONS

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

sch ref

5e(i): Regulated Service Asset Values

	Value allocated (\$000s)
Electricity distribution services	
Subtransmission lines	
Directly attributable	16,540
Not directly attributable	
Total attributable to regulated service	16,540
Subtransmission cables	
Directly attributable	
Not directly attributable	
Total attributable to regulated service	-
Zone substations	
Directly attributable	25,263
Not directly attributable	
Total attributable to regulated service	25,263
Distribution and LV lines	
Directly attributable	31,829
Not directly attributable	
Total attributable to regulated service	31,829
Distribution and LV cables	
Directly attributable	5,645
Not directly attributable	
Total attributable to regulated service	5,645
Distribution substations and transformers	
Directly attributable	13,678
Not directly attributable	
Total attributable to regulated service	13,678
Distribution switchgear	
Directly attributable	6,368
Not directly attributable	
Total attributable to regulated service	6,368
Other network assets	
Directly attributable	5,733
Not directly attributable	
Total attributable to regulated service	5,733
Non-network assets	
Directly attributable	922
Not directly attributable	
Total attributable to regulated service	922
Regulated service asset value directly attributable	105,978
Regulated service asset value not directly attributable	-
Total closing RAB value	105,978

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

		(\$000)	
		CY-1	Current Year (CY)
Change in asset value allocation 1			
Asset category			
Original allocator or line items			
New allocator or line items			
		-	-
Difference			
Rationale for change			
Change in asset value allocation 2			
Asset category			
Original allocator or line items			
New allocator or line items			
		-	-
Difference			
Rationale for change			
Change in asset value allocation 3			
Asset category			
Original allocator or line items			
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 **Westpower Limited**
 For Year Ended **31 March 2020**

SCHEDULE 5d: REPORT ON COST ALLOCATIONS

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

sch ref

		Value allocated (\$000s)				
		Arm's length deduction	Electricity distribution services	Non-electricity distribution services	Total	OVABAA allocation increase (\$000s)
7	5d(i): Operating Cost Allocations					
8						
9						
10	Service interruptions and emergencies					
11	Directly attributable		636			
12	Not directly attributable				-	
13	Total attributable to regulated service		636			
14	Vegetation management					
15	Directly attributable		686			
16	Not directly attributable				-	
17	Total attributable to regulated service		686			
18	Routine and corrective maintenance and inspection					
19	Directly attributable		3,338			
20	Not directly attributable				-	
21	Total attributable to regulated service		3,338			
22	Asset replacement and renewal					
23	Directly attributable		222			
24	Not directly attributable				-	
25	Total attributable to regulated service		222			
26	System operations and network support					
27	Directly attributable		2,808			
28	Not directly attributable		144	194	338	
29	Total attributable to regulated service		2,953			
30	Business support					
31	Directly attributable		640			
32	Not directly attributable		864	847	1,711	
33	Total attributable to regulated service		1,504			
34						
35	Operating costs directly attributable		8,330			
36	Operating costs not directly attributable	-	1,008	1,041	2,049	-
37	Operational expenditure		9,339			
38						

Company Name **Westpower Limited**
 For Year Ended **31 March 2020**

SCHEDULE 5d: REPORT ON COST ALLOCATIONS

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

sch ref

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

		(\$000)
40	Pass through and recoverable costs	
41	Pass through costs	
42	Directly attributable	226
43	Not directly attributable	
44	Total attributable to regulated service	226
45	Recoverable costs	
46	Directly attributable	4,430
47	Not directly attributable	
48	Total attributable to regulated service	4,430

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

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

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

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

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

Company Name **Westpower Limited**
 For Year Ended **31 March 2020**

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

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

sch ref

7	6a(i): Expenditure on Assets		(\$000)	(\$000)
8	Consumer connection			171
9	System growth			202
10	Asset replacement and renewal			1,411
11	Asset relocations			-
12	Reliability, safety and environment:			
13	Quality of supply	973		
14	Legislative and regulatory	-		
15	Other reliability, safety and environment	180		
16	Total reliability, safety and environment			1,153
17	Expenditure on network assets			2,937
18	Expenditure on non-network assets			235
19				
20	Expenditure on assets			3,172
21	plus Cost of financing			-
22	less Value of capital contributions			-
23	plus Value of vested assets			-
24				
25	Capital expenditure			3,172
26	6a(ii): Subcomponents of Expenditure on Assets (where known)			(\$000)
27	Energy efficiency and demand side management, reduction of energy losses			238
28	Overhead to underground conversion			4
29	Research and development			
30	6a(iii): Consumer Connection			
31	<i>Consumer types defined by EDB*</i>		(\$000)	(\$000)
32	Cat 1 Domestic		76	
33	Cat 1 Non Domestic < 15 kVA		49	
34	Cat 2 Non Domestic > 15 kVA		45	
35	Bulk Load > 200 kVA		1	
36				
37	<i>* include additional rows if needed</i>			
38	Consumer connection expenditure			171
39				
40	less Capital contributions funding consumer connection expenditure		-	
41	Consumer connection less capital contributions			171
42	6a(iv): System Growth and Asset Replacement and Renewal			
43			System Growth	Asset Replacement and Renewal
44			(\$000)	(\$000)
45	Subtransmission			428
46	Zone substations			62
47	Distribution and LV lines			645
48	Distribution and LV cables			
49	Distribution substations and transformers	202		29
50	Distribution switchgear			100
51	Other network assets			147
52	System growth and asset replacement and renewal expenditure	202		1,411
53	less Capital contributions funding system growth and asset replacement and renewal			
54	System growth and asset replacement and renewal less capital contributions	202		1,411
55				
56	6a(v): Asset Relocations			
57	<i>Project or programme*</i>		(\$000)	(\$000)
58				
59				
60				
61				
62				
63	<i>* include additional rows if needed</i>			
64	All other projects or programmes - asset relocations			
65	Asset relocations expenditure			-
66	less Capital contributions funding asset relocations			
67	Asset relocations less capital contributions			-

Company Name **Westpower Limited**
 For Year Ended **31 March 2020**

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

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

sch ref

68				
69	6a(vi): Quality of Supply			
70	<i>Project or programme*</i>		(\$000)	(\$000)
71	Ground Fault Neutraliser - Hokitika Zone Substation		385	
72	Smart Network Innovation (Power Pilot)		238	
73	ADMS System Project		184	
74	Communication Network Refurbishment Programme		63	
75				
76	<i>* include additional rows if needed</i>			
77	All other projects programmes - quality of supply		103	
78	Quality of supply expenditure			973
79	less Capital contributions funding quality of supply			
80	Quality of supply less capital contributions			973
81	6a(vii): Legislative and Regulatory			
82	<i>Project or programme*</i>		(\$000)	(\$000)
83				
84				
85				
86				
87				
88	<i>* include additional rows if needed</i>			
89	All other projects or programmes - legislative and regulatory			
90	Legislative and regulatory expenditure			-
91	less Capital contributions funding legislative and regulatory			
92	Legislative and regulatory less capital contributions			-
93	6a(viii): Other Reliability, Safety and Environment			
94	<i>Project or programme*</i>		(\$000)	(\$000)
95	Recloser Relay Upgrade		138	
96				
97				
98				
99				
100	<i>* include additional rows if needed</i>			
101	All other projects or programmes - other reliability, safety and environment		42	
102	Other reliability, safety and environment expenditure			180
103	less Capital contributions funding other reliability, safety and environment			
104	Other reliability, safety and environment less capital contributions			180
105				
106	6a(ix): Non-Network Assets			
107	Routine expenditure			
108	<i>Project or programme*</i>		(\$000)	(\$000)
109	Gentrack EIEP Upgrade		52	
110	Right of Use assets		125	
111				
112				
113				
114	<i>* include additional rows if needed</i>			
115	All other projects or programmes - routine expenditure		58	
116	Routine expenditure			235
117	Atypical expenditure			
118	<i>Project or programme*</i>		(\$000)	(\$000)
119				
120				
121				
122				
123				
124	<i>* include additional rows if needed</i>			
125	All other projects or programmes - atypical expenditure			
126	Atypical expenditure			-
127				
128	Expenditure on non-network assets			235

Company Name **Westpower Limited**
 For Year Ended **31 March 2020**

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

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

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

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

sch ref

		(\$000)	(\$000)
7	6b(i): Operational Expenditure		
8	Service interruptions and emergencies	636	
9	Vegetation management	686	
10	Routine and corrective maintenance and inspection	3,338	
11	Asset replacement and renewal	222	
12	Network opex		4,882
13	System operations and network support	2,953	
14	Business support	1,504	
15	Non-network opex		4,457
16			
17	Operational expenditure		9,339
18	6b(ii): Subcomponents of Operational Expenditure (where known)		
19	Energy efficiency and demand side management, reduction of energy losses		
20	Direct billing*		
21	Research and development		
22	Insurance		163
23	* Direct billing expenditure by suppliers that directly bill the majority of their consumers		

Company Name **Westpower Limited**
For Year Ended **31 March 2020**

SCHEDULE 7: COMPARISON OF FORECASTS TO ACTUAL EXPENDITURE

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

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

sch ref

		Target (\$000) ¹	Actual (\$000)	% variance
7	7(i): Revenue			
8	Line charge revenue	20,821	21,500	3%
9	7(ii): Expenditure on Assets			
10	Consumer connection	108	171	58%
11	System growth	227	202	(11%)
12	Asset replacement and renewal	1,282	1,411	10%
13	Asset relocations	–	–	–
14	Reliability, safety and environment:			
15	Quality of supply	1,468	973	(34%)
16	Legislative and regulatory	20	–	(100%)
17	Other reliability, safety and environment	202	180	(11%)
18	Total reliability, safety and environment	1,690	1,153	(32%)
19	Expenditure on network assets	3,307	2,937	(11%)
20	Expenditure on non-network assets	–	235	–
21	Expenditure on assets	3,307	3,172	(4%)
22	7(iii): Operational Expenditure			
23	Service interruptions and emergencies	507	636	25%
24	Vegetation management	680	686	1%
25	Routine and corrective maintenance and inspection	3,362	3,338	(1%)
26	Asset replacement and renewal	280	222	(21%)
27	Network opex	4,829	4,882	1%
28	System operations and network support	2,342	2,953	26%
29	Business support	1,657	1,504	(9%)
30	Non-network opex	3,999	4,457	11%
31	Operational expenditure	8,828	9,339	6%
32	7(iv): Subcomponents of Expenditure on Assets (where known)			
33	Energy efficiency and demand side management, reduction of energy losses	–	238	–
34	Overhead to underground conversion	–	4	–
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	220	163	(26%)
42				

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

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

Company Name	Westpower Limited
For Year Ended	31 March 2020
Network / Sub-network Name	

SCHEDULE 9a: ASSET REGISTER

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

sch ref

	Voltage	Asset category	Asset class	Units	Items at start of year (quantity)	Items at end of year (quantity)	Net change	Data accuracy (1-4)
8	All	Overhead Line	Concrete poles / steel structure	No.	14,425	14,454	29	4
9	All	Overhead Line	Wood poles	No.	5,862	5,881	19	4
10	All	Overhead Line	Other pole types	No.			-	[Select one]
11	HV	Subtransmission Line	Subtransmission OH up to 66kV conductor	km	321	321	(0)	4
12	HV	Subtransmission Line	Subtransmission OH 110kV+ conductor	km	9	9	-	4
13	HV	Subtransmission Cable	Subtransmission UG up to 66kV (XLPE)	km	1	1	-	4
14	HV	Subtransmission Cable	Subtransmission UG up to 66kV (Oil pressurised)	km			-	[Select one]
15	HV	Subtransmission Cable	Subtransmission UG up to 66kV (Gas pressurised)	km			-	[Select one]
16	HV	Subtransmission Cable	Subtransmission UG up to 66kV (PILC)	km			-	[Select one]
17	HV	Subtransmission Cable	Subtransmission UG 110kV+ (XLPE)	km			-	[Select one]
18	HV	Subtransmission Cable	Subtransmission UG 110kV+ (Oil pressurised)	km			-	[Select one]
19	HV	Subtransmission Cable	Subtransmission UG 110kV+ (Gas Pressurised)	km			-	[Select one]
20	HV	Subtransmission Cable	Subtransmission UG 110kV+ (PILC)	km			-	[Select one]
21	HV	Subtransmission Cable	Subtransmission submarine cable	km			-	[Select one]
22	HV	Zone substation Buildings	Zone substations up to 66kV	No.	16	16	-	4
23	HV	Zone substation Buildings	Zone substations 110kV+	No.	2	2	-	4
24	HV	Zone substation switchgear	50/66/110kV CB (Indoor)	No.			-	[Select one]
25	HV	Zone substation switchgear	50/66/110kV CB (Outdoor)	No.	14	14	-	4
26	HV	Zone substation switchgear	33kV Switch (Ground Mounted)	No.			-	[Select one]
27	HV	Zone substation switchgear	33kV Switch (Pole Mounted)	No.	64	64	-	3
28	HV	Zone substation switchgear	33kV RMU	No.			-	[Select one]
29	HV	Zone substation switchgear	22/33kV CB (Indoor)	No.	1	1	-	4
30	HV	Zone substation switchgear	22/33kV CB (Outdoor)	No.	25	25	-	4
31	HV	Zone substation switchgear	3.3/6.6/11/22kV CB (ground mounted)	No.	53	53	-	4
32	HV	Zone substation switchgear	3.3/6.6/11/22kV CB (pole mounted)	No.	16	16	-	3
33	HV	Zone Substation Transformer	Zone Substation Transformers	No.	24	24	-	4
34	HV	Distribution Line	Distribution OH Open Wire Conductor	km	1,498	1,498	0	[Select one]
35	HV	Distribution Line	Distribution OH Aerial Cable Conductor	km	1	-	(1)	[Select one]
36	HV	Distribution Line	SWER conductor	km			-	[Select one]
37	HV	Distribution Cable	Distribution UG XLPE or PVC	km	64	69	6	[Select one]
38	HV	Distribution Cable	Distribution UG PILC	km	8	8	-	[Select one]
39	HV	Distribution Cable	Distribution Submarine Cable	km			-	[Select one]
40	HV	Distribution switchgear	3.3/6.6/11/22kV CB (pole mounted) - reclosers and sectionalisers	No.	78	78	-	3
41	HV	Distribution switchgear	3.3/6.6/11/22kV CB (Indoor)	No.			-	[Select one]
42	HV	Distribution switchgear	3.3/6.6/11/22kV Switches and fuses (pole mounted)	No.	690	697	7	4
43	HV	Distribution switchgear	3.3/6.6/11/22kV Switch (ground mounted) - except RMU	No.			-	[Select one]
44	HV	Distribution switchgear	3.3/6.6/11/22kV RMU	No.	50	50	-	4
45	HV	Distribution Transformer	Pole Mounted Transformer	No.	2,180	2,489	309	[Select one]
46	HV	Distribution Transformer	Ground Mounted Transformer	No.	312	308	(4)	[Select one]
47	HV	Distribution Transformer	Voltage regulators	No.	4	4	-	[Select one]
48	HV	Distribution Substations	Ground Mounted Substation Housing	No.			-	[Select one]
49	LV	LV Line	LV OH Conductor	km	196	196	(1)	[Select one]
50	LV	LV Cable	LV UG Cable	km	201	201	0	[Select one]
51	LV	LV Street lighting	LV OH/UG Streetlight circuit	km			-	[Select one]
52	LV	Connections	OH/UG consumer service connections	No.	13,670	13,687	17	[Select one]
53	All	Protection	Protection relays (electromechanical, solid state and numeric)	No.			-	[Select one]
54	All	SCADA and communications	SCADA and communications equipment operating as a single system	Lot	1	1	-	2
55	All	Capacitor Banks	Capacitors including controls	No.	12	12	-	4
56	All	Load Control	Centralised plant	Lot	5	5	-	4
57	All	Load Control	Relays	No.			-	[Select one]
58	All	Civils	Cable Tunnels	km			-	[Select one]

Company Name: Westpower Limited
For Year Ended: 31 March 2020
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.

Table with columns: sch.ref, Disclosure Year, Asset category, Asset class, and a grid of years from 1940 to 2025. Rows list various asset types like Overhead Lines, Subtransmission Cables, Zone Substations, Distribution Lines, etc.

Company Name	Westpower Limited
For Year Ended	31 March 2020
Network / Sub-network Name	

SCHEDULE 9c: REPORT ON OVERHEAD LINES AND UNDERGROUND CABLES

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

sch ref

9			
10	Circuit length by operating voltage (at year end)	Overhead (km)	Underground (km)
11	> 66kV	9	–
12	50kV & 66kV	61	0
13	33kV	260	0
14	SWER (all SWER voltages)	–	–
15	22kV (other than SWER)	–	–
16	6.6kV to 11kV (inclusive—other than SWER)	1,498	72
17	Low voltage (< 1kV)	196	201
18	Total circuit length (for supply)	2,024	274
19			
20	Dedicated street lighting circuit length (km)		–
21	Circuit in sensitive areas (conservation areas, iwi territory etc) (km)		258
22			
23	Overhead circuit length by terrain (at year end)	(% of total overhead length)	
24	Urban	145	7%
25	Rural	1,449	72%
26	Remote only	150	7%
27	Rugged only	252	12%
28	Remote and rugged	27	1%
29	Unallocated overhead lines	1	0%
30	Total overhead length	2,024	100%
31			
32		(% of total circuit length)	
33	Length of circuit within 10km of coastline or geothermal areas (where known)	864	38%
34		(% of total overhead length)	
35	Overhead circuit requiring vegetation management	698	34%

Company Name **Westpower Limited**
 For Year Ended **31 March 2020**

SCHEDULE 9d: REPORT ON EMBEDDED NETWORKS

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

sch ref

	Location *	Number of ICPs served	Line charge revenue (\$000)
8			
9			
10			
11			
12			
13			
14			
15			
16			
17			
18			
19			
20			
21			
22			
23			
24			
25			
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	Westpower Limited
For Year Ended	31 March 2020
Network / Sub-network Name	

SCHEDULE 9e: REPORT ON NETWORK DEMAND

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

sch ref

9e(i): Consumer Connections

Number of ICPs connected in year by consumer type

Consumer types defined by EDB*

WP1D Category 1 Domestic
WP1N Category 1 Non-Domestic (Small)
WP2N Category 2 Non-Domestic (Medium)
C2F Category 2 Time of Use (Medium)
C3F Category 3 Time of Use (Large)
C4F Category 4 Time of Use (Large)
C5F Category 5 Time of Use (large)

* include additional rows if needed

Number of connections (ICPs)

11,034
1,849
891
17
19
1
1

Connections total

13,812

Distributed generation

Number of connections made in year

14

connections

Capacity of distributed generation installed in year

0.07

MVA

9e(ii): System Demand

Maximum coincident system demand

GXP demand

18

plus Distributed generation output at HV and above

27

Maximum coincident system demand

45

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

--

Demand on system for supply to consumers' connection points

45

Demand at time of maximum coincident demand (MW)

Electricity volumes carried

Electricity supplied from GXPs

137

less Electricity exports to GXPs

38

plus Electricity supplied from distributed generation

155

less Net electricity supplied to (from) other EDBs

--

Electricity entering system for supply to consumers' connection points

254

less Total energy delivered to ICPs

235

Electricity losses (loss ratio)

19

7.3%

Load factor

0.64

9e(iii): Transformer Capacity

Distribution transformer capacity (EDB owned)

154

Distribution transformer capacity (Non-EDB owned, estimated)

32

Total distribution transformer capacity

185

Zone substation transformer capacity

153

(MVA)

Company Name	Westpower Limited
For Year Ended	31 March 2020
Network / Sub-network Name	

SCHEDULE 10: REPORT ON NETWORK RELIABILITY

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

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8 **10(i): Interruptions**

9 **Interruptions by class**

	Number of interruptions
10 Class A (planned interruptions by Transpower)	1
11 Class B (planned interruptions on the network)	59
12 Class C (unplanned interruptions on the network)	131
13 Class D (unplanned interruptions by Transpower)	8
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	199

21 **Interruption restoration**

	≤3Hrs	>3hrs
22 Class C interruptions restored within	91	40

24 **SAIFI and SAIDI by class**

	SAIFI	SAIDI
25 Class A (planned interruptions by Transpower)	0.00	1.5
26 Class B (planned interruptions on the network)	0.16	52.9
27 Class C (unplanned interruptions on the network)	1.76	177.0
28 Class D (unplanned interruptions by Transpower)	0.82	16.0
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	2.74	247.5

36 **Normalised SAIFI and SAIDI**

	Normalised SAIFI	Normalised SAIDI
37 Classes B & C (interruptions on the network)	1.92	180.0

Company Name	Westpower Limited
For Year Ended	31 March 2020
Network / Sub-network Name	

SCHEDULE 10: REPORT ON NETWORK RELIABILITY

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

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

Cause	SAIFI	SAIDI
Lightning	0.44	18.7
Vegetation	0.16	17.3
Adverse weather	0.16	100.1
Adverse environment	0.01	1.8
Third party interference	0.18	7.5
Wildlife	0.11	7.7
Human error	0.15	2.8
Defective equipment	0.28	13.0
Cause unknown	0.27	8.2

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

Main equipment involved	SAIFI	SAIDI
Subtransmission lines	-	-
Subtransmission cables		
Subtransmission other		
Distribution lines (excluding LV)	0.16	52.9
Distribution cables (excluding LV)		
Distribution other (excluding LV)		

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

Main equipment involved	SAIFI	SAIDI
Subtransmission lines	0.60	117.4
Subtransmission cables	-	-
Subtransmission other	-	-
Distribution lines (excluding LV)	1.01	50.1
Distribution cables (excluding LV)	0.15	9.5
Distribution other (excluding LV)	0.00	0.0

10(v): Fault Rate

Main equipment involved	Number of Faults	Circuit length (km)	Fault rate (faults per 100km)
Subtransmission lines	13	260	5.00
Subtransmission cables	-	-	-
Subtransmission other	-	-	-
Distribution lines (excluding LV)	111	1,412	7.86
Distribution cables (excluding LV)	6	67	8.96
Distribution other (excluding LV)	-	-	-
Total	130		