



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

Company Name	<input type="text" value="Westpower Limited"/>
Disclosure Date	<input type="text" value="28 August 2019"/>
Disclosure Year (year ended)	<input type="text" value="31 March 2019"/>

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

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Company Name **Westpower Limited**
 For Year Ended **31 March 2019**

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	38,066	652	203,647	3,864	58,322
Network	21,350	366	114,220	2,167	32,712
Non-network	16,716	286	89,427	1,697	25,611
Expenditure on assets	11,061	189	59,174	1,123	16,947
Network	9,230	158	49,381	937	14,142
Non-network	1,831	31	9,794	186	2,805

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	89,513	1,533
Standard consumer line charge revenue	89,513	1,533
Non-standard consumer line charge revenue	-	-

23 1(iii): Service intensity measures

Demand density	19	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	17,128	Total energy delivered to ICPs per average number of ICPs (kWh/ICP)

30 1(iv): Composition of regulatory income

	(\$000)	% of revenue
Operational expenditure	8,879	41.12%
Pass-through and recoverable costs excluding financial incentives and wash-ups	4,512	20.89%
Total depreciation	4,542	21.03%
Total revaluations	1,598	7.40%
Regulatory tax allowance	425	1.97%
Regulatory profit/(loss) including financial incentives and wash-ups	4,835	22.39%
Total regulatory income	21,595	

40 1(v): Reliability

Interruption rate	8.88	Interruptions per 100 circuit km
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Company Name **Westpower Limited**
 For Year Ended **31 March 2019**

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

	CY-2	CY-1	Current Year CY
	31 Mar 17	31 Mar 18	31 Mar 19
	%	%	%
2(i): Return on Investment			
ROI – comparable to a post tax WACC			
Reflecting all revenue earned	3.81%	3.21%	3.85%
Excluding revenue earned from financial incentives	3.81%	3.21%	3.85%
Excluding revenue earned from financial incentives and wash-ups	3.81%	3.21%	3.85%
Mid-point estimate of post tax WACC	4.77%	5.04%	4.75%
25th percentile estimate	4.05%	4.36%	4.07%
75th percentile estimate	5.48%	5.72%	5.43%
ROI – comparable to a vanilla WACC			
Reflecting all revenue earned	4.35%	3.80%	4.36%
Excluding revenue earned from financial incentives	4.35%	3.80%	4.36%
Excluding revenue earned from financial incentives and wash-ups	4.35%	3.80%	4.36%
WACC rate used to set regulatory price path			
Mid-point estimate of vanilla WACC	5.31%	5.60%	5.26%
25th percentile estimate	4.59%	4.92%	4.58%
75th percentile estimate	6.03%	6.29%	5.94%
2(ii): Information Supporting the ROI			
			(\$000)
Total opening RAB value	107,704		
plus Opening deferred tax	4,604		
Opening RIV		112,308	
Line charge revenue		20,879	
Expenses cash outflow	13,391		
add Assets commissioned	2,354		
less Asset disposals	1,176		
add Tax payments	151		
less Other regulated income	716		
Mid-year net cash outflows		14,004	
Term credit spread differential allowance		–	
Total closing RAB value	105,938		
less Adjustment resulting from asset allocation	0		
less Lost and found assets adjustment	–		
plus Closing deferred tax	4,330		
Closing RIV		110,268	
ROI – comparable to a vanilla WACC			4.36%
Leverage (%)			42%
Cost of debt assumption (%)			4.33%
Corporate tax rate (%)			28%
ROI – comparable to a post tax WACC			3.85%

Company Name **Westpower Limited**
 For Year Ended **31 March 2019**

SCHEDULE 2: REPORT ON RETURN ON INVESTMENT

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

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

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sch ref

2(iii): Information Supporting the Monthly ROI

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

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

94	Year-end ROI – comparable to a vanilla WACC	4.26%
95		
96	Year-end ROI – comparable to a post tax WACC	3.75%
97		

* these year-end ROI values are comparable to the ROI reported in pre 2012 disclosures by EDBs and do not represent the Commission's current view on ROI.

2(v): Financial Incentives and Wash-Ups

102	Net recoverable costs allowed under incremental rolling incentive scheme	-
103	Purchased assets – avoided transmission charge	
104	Energy efficiency and demand incentive allowance	
105	Quality incentive adjustment	
106	Other financial incentives	
107	Financial incentives	-
108		
109	Impact of financial incentives on ROI	-
110		
111	Input methodology claw-back	
112	CPP application recoverable costs	
113	Catastrophic event allowance	
114	Capex wash-up adjustment	
115	Transmission asset wash-up adjustment	
116	2013–15 NPV wash-up allowance	
117	Reconsideration event allowance	
118	Other wash-ups	
119	Wash-up costs	-
120		
121	Impact of wash-up costs on ROI	-

Company Name **Westpower Limited**
 For Year Ended **31 March 2019**

SCHEDULE 3: REPORT ON REGULATORY PROFIT

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

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

sch ref

		(\$000)
7	3(i): Regulatory Profit	
8	Income	
9	Line charge revenue	20,879
10	plus Gains / (losses) on asset disposals	(397)
11	plus Other regulated income (other than gains / (losses) on asset disposals)	1,113
12		
13	Total regulatory income	21,595
14	Expenses	
15	less Operational expenditure	8,879
16		
17	less Pass-through and recoverable costs excluding financial incentives and wash-ups	4,512
18		
19	Operating surplus / (deficit)	8,204
20		
21	less Total depreciation	4,542
22		
23	plus Total revaluations	1,598
24		
25	Regulatory profit / (loss) before tax	5,260
26		
27	less Term credit spread differential allowance	-
28		
29	less Regulatory tax allowance	425
30		
31	Regulatory profit/(loss) including financial incentives and wash-ups	4,835
32		
33	3(ii): Pass-through and Recoverable Costs excluding Financial Incentives and Wash-Ups	(\$000)
34	Pass through costs	
35	Rates	129
36	Commerce Act levies	29
37	Industry levies	55
38	CPP specified pass through costs	
39	Recoverable costs excluding financial incentives and wash-ups	
40	Electricity lines service charge payable to Transpower	1,871
41	Transpower new investment contract charges	
42	System operator services	
43	Distributed generation allowance	2,428
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	4,512
47		

Company Name **Westpower Limited**
 For Year Ended **31 March 2019**

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 18	31 Mar 19
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 14		
58	CY-4 31 Mar 15		
59	CY-3 31 Mar 16		
60	CY-2 31 Mar 17		
61	CY-1 31 Mar 18		
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 2019**

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 15 (\$000)	RAB 31 Mar 16 (\$000)	RAB 31 Mar 17 (\$000)	RAB 31 Mar 18 (\$000)	RAB 31 Mar 19 (\$000)
Total opening RAB value	114,618	112,420	110,500	109,461	107,704
less Total depreciation	4,261	4,320	4,332	4,430	4,542
plus Total revaluations	96	660	2,394	1,204	1,598
plus Assets commissioned	2,062	2,165	1,733	1,538	2,354
less Asset disposals	95	425	834	69	1,176
plus Lost and found assets adjustment					-
plus Adjustment resulting from asset allocation					0
Total closing RAB value	112,420	110,500	109,461	107,704	105,938

4(ii): Unallocated Regulatory Asset Base

	Unallocated RAB *		RAB	
	(\$000)	(\$000)	(\$000)	(\$000)
Total opening RAB value		107,704		107,704
less Total depreciation		4,542		4,542
plus Total revaluations		1,598		1,598
plus Assets commissioned (other than below)	459		459	
Assets acquired from a regulated supplier				
Assets acquired from a related party	1,895		1,895	
Assets commissioned		2,354		2,354
less Asset disposals (other than below)	1,176		1,176	
Asset disposals to a regulated supplier				
Asset disposals to a related party				
Asset disposals		1,176		1,176
plus Lost and found assets adjustment				
plus Adjustment resulting from asset allocation				0
Total closing RAB value		105,938		105,938

* 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 2019**

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	1,026
CPI _{t-4}	1,011
Revaluation rate (%)	1.48%

	Unallocated RAB *		RAB	
	(\$000)	(\$000)	(\$000)	(\$000)
Total opening RAB value	107,704		107,704	
less Opening value of fully depreciated, disposed and lost assets				
Total opening RAB value subject to revaluation	107,704		107,704	
Total revaluations		1,598		1,598

4(iv): Roll Forward of Works Under Construction

	Unallocated works under construction		Allocated works under construction	
Works under construction—preceding disclosure year		419		419
plus Capital expenditure	2,580		2,580	
less Assets commissioned	2,354		2,354	
plus Adjustment resulting from asset allocation				
Works under construction - current disclosure year		645		645

Highest rate of capitalised finance applied

Company Name **Westpower Limited**
 For Year Ended **31 March 2019**

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	3,937		3,937	
80 Depreciation - no standard life assets	605		605	
81 Depreciation - modified life assets				
82 Depreciation - alternative depreciation in accordance with CPP				
83 Total depreciation		4,542		4,542

85 **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

* 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	16,799		27,038	31,926	5,931	13,757	6,119	5,686	448	107,704
100 <i>less</i> Total depreciation	545		1,036	1,263	258	605	268	486	81	4,542
101 <i>plus</i> Total revaluations	249		401	474	88	204	91	84	7	1,598
102 <i>plus</i> Assets commissioned	14		280	759		223	290	344	444	2,354
103 <i>less</i> Asset disposals			1,105	59			9		3	1,176
104 <i>plus</i> Lost and found assets adjustment										-
105 <i>plus</i> Adjustment resulting from asset allocation										-
106 <i>plus</i> Asset category transfers										-
107 Total closing RAB value	16,517	-	25,578	31,837	5,761	13,579	6,223	5,628	815	105,938
109 Asset Life										
110 Weighted average remaining asset life	37.0		26.1	32.4	25.9	30.1	27.7	14.9	6.1	(years)
111 Weighted average expected total asset life	58.1		43.3	54.6	56.6	51.3	37.8	25.7	7.8	(years)

Company Name **Westpower Limited**
 For Year Ended **31 March 2019**

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		5,260
9			
10	<i>plus</i> Income not included in regulatory profit / (loss) before tax but taxable	305	*
11	Expenditure or loss in regulatory profit / (loss) before tax but not deductible	724	*
12	Amortisation of initial differences in asset values	1,611	
13	Amortisation of revaluations	504	
14			3,144
15			
16	<i>less</i> Total revaluations	1,598	
17	Income included in regulatory profit / (loss) before tax but not taxable		*
18	Discretionary discounts and customer rebates	2,971	
19	Expenditure or loss deductible but not in regulatory profit / (loss) before tax	317	*
20	Notional deductible interest	2,000	
21			6,886
22			
23	Regulatory taxable income		1,518
24			
25	<i>less</i> Utilised tax losses		
26	Regulatory net taxable income		1,518
27			
28	Corporate tax rate (%)	28%	
29	Regulatory tax allowance		425

* 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	40,269	
37	<i>less</i> Amortisation of initial differences in asset values	1,611	
38	<i>plus</i> Adjustment for unamortised initial differences in assets acquired		
39	<i>less</i> Adjustment for unamortised initial differences in assets disposed	993	
40	Closing unamortised initial differences in asset values		37,665
41			
42	Opening weighted average remaining useful life of relevant assets (years)		25
43			

Company Name **Westpower Limited**
 For Year Ended **31 March 2019**

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 130.

sch ref

44	5a(iv): Amortisation of Revaluations		(\$000)
45			
46	Opening sum of RAB values without revaluations	96,269	
47			
48	Adjusted depreciation	4,038	
49	Total depreciation	4,542	
50	Amortisation of revaluations		504
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	4,604	
61			
62	plus Tax effect of adjusted depreciation	1,131	
63			
64	less Tax effect of tax depreciation	933	
65			
66	plus Tax effect of other temporary differences*	(199)	
67			
68	less Tax effect of amortisation of initial differences in asset values	451	
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	(179)	
73			
74	plus Deferred tax cost allocation adjustment	(0)	
75			
76	Closing deferred tax		4,330
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	36,838	
84	less Tax depreciation	3,333	
85	plus Regulatory tax asset value of assets commissioned	2,354	
86	less Regulatory tax asset value of asset disposals	536	
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		35,323

Company Name **Westpower Limited**
 For Year Ended **31 March 2019**

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		
8			
9			
10	Market value of asset disposals		
11			
12	Service interruptions and emergencies	518	
13	Vegetation management	705	
14	Routine and corrective maintenance and inspection	2,839	
15	Asset replacement and renewal (opex)	590	
16	Network opex		4,652
17	Business support	158	
18	System operations and network support	277	
19	Operational expenditure		5,087
20	Consumer connection	148	
21	System growth	233	
22	Asset replacement and renewal (capex)	1,004	
23	Asset relocations	15	
24	Quality of supply	240	
25	Legislative and regulatory	–	
26	Other reliability, safety and environment	163	
27	Expenditure on non-network assets		13
28	Expenditure on assets		1,816
29	Cost of financing	–	
30	Value of capital contributions	–	
31	Value of vested assets	–	
32	Capital Expenditure		1,816
33	Total expenditure		6,903
34			
35	Other related party transactions		534

5b(iii): Total Opex and Capex Related Party Transactions			Total value of transactions (\$000)
Name of related party	Nature of opex or capex service provided		
Electronet Services Limited	Consumer connection		148
Electronet Services Limited	Service interruptions and emergencies		518
Electronet Services Limited	System growth		233
Electronet Services Limited	System operations and network support		277
Electronet Services Limited	Asset replacement and renewal (opex)		590
Electronet Services Limited	Asset relocations		15
Electronet Services Limited	Asset replacement and renewal (capex)		999
Electronet Services Limited	Routine and corrective maintenance and inspection		2,816
Electronet Services Limited	Other reliability, safety and environment		163
Electronet Services Limited	Quality of supply		240
Electronet Services Limited	Vegetation management		705
Electronet Services Limited	Business support		158
Electronet Services Limited	Expenditure on non-network assets		13
Mitton Electronet Limited	Asset replacement and renewal (capex)		5
Mitton Electronet Limited	Routine and corrective maintenance and inspection		23
Total value of related party transactions			6,903

* include additional rows if needed

Company Name **Westpower Limited**
 For Year Ended **31 March 2019**

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 2019**

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		518			
12	Not directly attributable				-	
13	Total attributable to regulated service		518			
14	Vegetation management					
15	Directly attributable		691			
16	Not directly attributable				-	
17	Total attributable to regulated service		691			
18	Routine and corrective maintenance and inspection					
19	Directly attributable		3,132			
20	Not directly attributable				-	
21	Total attributable to regulated service		3,132			
22	Asset replacement and renewal					
23	Directly attributable		639			
24	Not directly attributable				-	
25	Total attributable to regulated service		639			
26	System operations and network support					
27	Directly attributable		920			
28	Not directly attributable		1,342	110	1,452	
29	Total attributable to regulated service		2,262			
30	Business support					
31	Directly attributable		854			
32	Not directly attributable		783	580	1,363	
33	Total attributable to regulated service		1,637			
34						
35	Operating costs directly attributable		6,754			
36	Operating costs not directly attributable	-	2,125	690	2,815	-
37	Operational expenditure		8,879			
38						

Company Name **Westpower Limited**
 For Year Ended **31 March 2019**

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	213
43 Not directly attributable	
44 Total attributable to regulated service	213
45 Recoverable costs	
46 Directly attributable	4,299
47 Not directly attributable	
48 Total attributable to regulated service	4,299

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

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

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

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

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

Company Name **Westpower Limited**
 For Year Ended **31 March 2019**

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	16,517
Not directly attributable	
Total attributable to regulated service	16,517
Subtransmission cables	
Directly attributable	-
Not directly attributable	
Total attributable to regulated service	-
Zone substations	
Directly attributable	25,578
Not directly attributable	
Total attributable to regulated service	25,578
Distribution and LV lines	
Directly attributable	31,837
Not directly attributable	
Total attributable to regulated service	31,837
Distribution and LV cables	
Directly attributable	5,761
Not directly attributable	
Total attributable to regulated service	5,761
Distribution substations and transformers	
Directly attributable	13,579
Not directly attributable	
Total attributable to regulated service	13,579
Distribution switchgear	
Directly attributable	6,223
Not directly attributable	
Total attributable to regulated service	6,223
Other network assets	
Directly attributable	5,628
Not directly attributable	
Total attributable to regulated service	5,628
Non-network assets	
Directly attributable	815
Not directly attributable	
Total attributable to regulated service	815
Regulated service asset value directly attributable	105,938
Regulated service asset value not directly attributable	-
Total closing RAB value	105,938

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 2019**

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			148
9	System growth			233
10	Asset replacement and renewal			1,012
11	Asset relocations			16
12	Reliability, safety and environment:			
13	Quality of supply	587		
14	Legislative and regulatory	-		
15	Other reliability, safety and environment	157		
16	Total reliability, safety and environment			744
17	Expenditure on network assets			2,153
18	Expenditure on non-network assets			427
19				
20	Expenditure on assets			2,580
21	plus Cost of financing			
22	less Value of capital contributions			-
23	plus Value of vested assets			
24				
25	Capital expenditure			2,580
26	6a(ii): Subcomponents of Expenditure on Assets (where known)			(\$000)
27	Energy efficiency and demand side management, reduction of energy losses			
28	Overhead to underground conversion			
29	Research and development			
30	6a(iii): Consumer Connection			
31	<i>Consumer types defined by EDB*</i>		(\$000)	(\$000)
32	Cat 1 Domestic		59	
33	Cat 1 Non Domestic < 15 kVA		32	
34	Cat 2 Non Domestic > 15 kVA		57	
35				
36				
37	<i>* include additional rows if needed</i>			
38	Consumer connection expenditure			148
39				
40	less Capital contributions funding consumer connection expenditure			
41	Consumer connection less capital contributions			148
42	6a(iv): System Growth and Asset Replacement and Renewal			
43			System Growth	Asset Replacement and Renewal
44			(\$000)	(\$000)
45	Subtransmission			
46	Zone substations			271
47	Distribution and LV lines			504
48	Distribution and LV cables			
49	Distribution substations and transformers	211		22
50	Distribution switchgear			116
51	Other network assets	22		99
52	System growth and asset replacement and renewal expenditure	233		1,012
53	less Capital contributions funding system growth and asset replacement and renewal			
54	System growth and asset replacement and renewal less capital contributions	233		1,012
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	16		
65	Asset relocations expenditure			16
66	less Capital contributions funding asset relocations			
67	Asset relocations less capital contributions			16

Company Name **Westpower Limited**
 For Year Ended **31 March 2019**

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	Project or programme*	(\$000)	(\$000)	
71	ADMS System Project	324		
72	Communication Network Refurbishment Programme	71		
73				
74				
75				
76	* include additional rows if needed			
77	All other projects programmes - quality of supply	192		
78	Quality of supply expenditure		587	
79	less Capital contributions funding quality of supply			
80	Quality of supply less capital contributions		587	
81	6a(vii): Legislative and Regulatory			
82	Project or programme*	(\$000)	(\$000)	
83				
84				
85				
86				
87				
88	* include additional rows if needed			
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	Project or programme*	(\$000)	(\$000)	
95	Recloser Relay Upgrades	132		
96				
97				
98				
99				
100	* include additional rows if needed			
101	All other projects or programmes - other reliability, safety and environment	25		
102	Other reliability, safety and environment expenditure		157	
103	less Capital contributions funding other reliability, safety and environment			
104	Other reliability, safety and environment less capital contributions		157	
105				
106	6a(ix): Non-Network Assets			
107	Routine expenditure			
108	Project or programme*	(\$000)	(\$000)	
109	ADMS System Project (Computer Equipment)	327		
110				
111				
112				
113				
114	* include additional rows if needed			
115	All other projects or programmes - routine expenditure	100		
116	Routine expenditure		427	
117	Atypical expenditure			
118	Project or programme*	(\$000)	(\$000)	
119				
120				
121				
122				
123				
124	* include additional rows if needed			
125	All other projects or programmes - atypical expenditure			
126	Atypical expenditure		-	
127				
128	Expenditure on non-network assets		427	

Company Name **Westpower Limited**
 For Year Ended **31 March 2019**

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	518	
9	Vegetation management	691	
10	Routine and corrective maintenance and inspection	3,132	
11	Asset replacement and renewal	639	
12	Network opex		4,980
13	System operations and network support	2,262	
14	Business support	1,637	
15	Non-network opex		3,899
16			
17	Operational expenditure		8,879
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		
23	* Direct billing expenditure by suppliers that directly bill the majority of their consumers		

Company Name	Westpower Limited
For Year Ended	31 March 2019

SCHEDULE 7: COMPARISON OF FORECASTS TO ACTUAL EXPENDITURE

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

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

sch ref

7	7(i): Revenue	Target (\$000) ¹	Actual (\$000)	% variance	
8	Line charge revenue	20,183	20,879	3%	
9	7(ii): Expenditure on Assets	Forecast (\$000) ²	Actual (\$000)	% variance	
10	Consumer connection	98	148	51%	
11	System growth	227	233	3%	
12	Asset replacement and renewal	1,351	1,012	(25%)	
13	Asset relocations		16	-	
14	Reliability, safety and environment:				
15	Quality of supply	1,113	587	(47%)	
16	Legislative and regulatory	-	-	-	
17	Other reliability, safety and environment	352	157	(55%)	
18	Total reliability, safety and environment	1,465	744	(49%)	
19	Expenditure on network assets	3,141	2,153	(31%)	
20	Expenditure on non-network assets		427	-	
21	Expenditure on assets	3,141	2,580	(18%)	
22	7(iii): Operational Expenditure				
23	Service interruptions and emergencies	507	518	2%	
24	Vegetation management	680	691	2%	
25	Routine and corrective maintenance and inspection	3,461	3,132	(10%)	
26	Asset replacement and renewal	375	639	70%	
27	Network opex	5,023	4,980	(1%)	
28	System operations and network support	2,323	2,262	(3%)	
29	Business support	1,566	1,637	5%	
30	Non-network opex	3,889	3,899	0%	
31	Operational expenditure	8,912	8,879	(0%)	
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	160	-	(100%)	
42					
43	<i>1 From the nominal dollar target revenue for the disclosure year disclosed under clause 2.4.3(3) of this determination</i>				
44	<i>2 From the CY+1 nominal dollar expenditure forecasts disclosed in accordance with clause 2.6.6 for the forecast period starting at the beginning of the disclosure year (the second to last disclosure of Schedules 11a and 11b)</i>				

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)
WP1D	Domestic	Standard	10,897	63,514
WP1N	Non-Domestic (Small)	Standard	1,799	17,092
WP2N	Non-Domestic (Medium)	Standard	880	56,499
C2F	Non-Domestic (Medium)	Standard	17	9,612
C3F	Non-domestic (Large)	Standard	23	33,373
C4F	Non-domestic (Large)	Standard	1	51,861
C5F	Non-domestic (Large)	Standard	1	1,301
		(Select one)		
		(Select one)		
		(Select one)		
Standard consumer totals			13,618	233,252
Non-standard consumer totals			-	-
Total for all consumers			13,618	233,252

Add extra rows for additional consumer groups or price category codes as necessary

Billed quantities by price component

Domestic 24h (D)	Domestic Controlled (DC)	Domestic Economy Day (DD)	Domestic Economy Night (DE)	Domestic Night Only (DN)	Domestic Fixed Charge (WP1D)	Category 1 Non Domestic 24hr (N)	Category 1 Non Domestic Controlled (NC)	Category 1 Non Domestic Economy Day (ND)	Category 1 Non Domestic Economy Night (NE)
kWh	kWh	kWh	kWh	kWh	kWh	kWh	kWh	kWh	kWh
40,076,186	13,615,906	5,460,088	3,736,283	625,807		11,905,116	688,093	1,979,633	972,207
40,076,186	13,615,906	5,460,088	3,736,283	625,807	-	11,905,116	688,093	1,979,633	972,207
-	-	-	-	-	-	-	-	-	-
40,076,186	13,615,906	5,460,088	3,736,283	625,807	-	11,905,116	688,093	1,979,633	972,207

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)
WP1D	Domestic	Standard	\$7,514	
WP1N	Non-Domestic (Small)	Standard	\$2,560	
WP2N	Non-Domestic (Medium)	Standard	\$6,341	
C2F	Non-Domestic (Medium)	Standard	\$728	
C3F	Non-domestic (Large)	Standard	\$2,770	
C4F	Non-domestic (Large)	Standard	\$598	
C5F	Non-domestic (Large)	Standard	\$368	
		(Select one)	-	
		(Select one)	-	
		(Select one)	-	
Standard consumer totals			\$20,879	-
Non-standard consumer totals			-	-
Total for all consumers			\$20,879	-

Add extra rows for additional consumer groups or price category codes as necessary

Line charge revenues (\$000) by price component

Domestic 24h (D)	Domestic Controlled (DC)	Domestic Economy Day (DD)	Domestic Economy Night (DE)	Domestic Night Only (DN)	Domestic Fixed Charge (WP1D)	Category 1 Non Domestic 24hr (N)	Category 1 Non Domestic Controlled (NC)	Category 1 Non Domestic Economy Day (ND)	Category 1 Non Domestic Economy Night (NE)
kWh	kWh	kWh	kWh	kWh	kWh	kWh	kWh	kWh	kWh
\$5,038	\$1,031	\$810	\$21	\$19	\$595	\$1,484	\$51	\$288	\$5
\$5,038	\$1,031	\$810	\$21	\$19	\$595	\$1,484	\$51	\$288	\$5
-	-	-	-	-	-	-	-	-	-
\$5,038	\$1,031	\$810	\$21	\$19	\$595	\$1,484	\$51	\$288	\$5

8(iii): Number of ICPs directly billed

Number of directly billed ICPs at year end

Check OK

Company Name	Westpower Limited
For Year Ended	31 March 2019
Network / Sub-Network Name	Westpower

Category 1 Non Domestic Night Only (NN)	Streetlighting (SL)	Street Lighting Fixed Charge (WPSL)	Category 1 Non Domestic Fixed Charge (WP1N)	Category 2 Non Domestic 24 hr (U1)	Category 2 Non Domestic Controlled (U2)	Category 2 Non Domestic Economy Day (U3N)	Category 2 Non Domestic Economy Night (U3L)	Category 2 Non Domestic Night (U5)	Category 2 Fixed Distribution Charge (WP2N)	Category 2 Time of Use Metering Peak Charge C2P	Category 2 Time of Use Metering Fixed Annual Capacity Charge (C2F)	Category 3 Time of use Metering Peak Charge (C3P)	Category 3 Time of Use Metering Transpower Coincident Peak Charge (C3CP)	Category 3 Time of Use Metering Fixed Annual Capacity Charge (C3F)	Category 4 Time of Use Metering Peak Charge (C4P)	Category 4 Time of Use Metering Transpower Coincident Peak Charge (C4CP)	Category 4 Time of Use Metering Fixed Annual Capacity Charge (C4F)	Category 5 Time of Use Metering Peak Charge (C5P)	Category 5 Time of Use Metering Transpower Coincident Peak Charge (C5CP)	Category 5 Time of Use Metering Fixed Annual Capacity Charge (C5F)
kWh	kWh	kWh	kWh	kWh	kWh	kWh	kWh	kWh	\$/kW/day	\$/kW/day	\$/kVa/day	\$/kW/day	\$/kW/day	\$/kVa/day	\$/kW/day	\$/kW/day	\$/kVa/day	\$/kW/day	\$/kW/day	\$/kVa/day
17,634	1,529,034			29,801,400	2,085,922	15,923,908	8,506,918	180,557		9,612,314										
												33,373,124				51,861,304			1,300,573	
17,634	1,529,034	--	--	29,801,400	2,085,922	15,923,908	8,506,918	180,557	--	9,612,314	--	33,373,124	--	--	51,861,304	--	--	1,300,573	--	--
--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
17,634	1,529,034	--	--	29,801,400	2,085,922	15,923,908	8,506,918	180,557	--	9,612,314	--	33,373,124	--	--	51,861,304	--	--	1,300,573	--	--

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

Category 1 Non Domestic Night Only (NN)	Streetlighting (SL)	Street Lighting Fixed Charge (WPSL)	Category 1 Non Domestic Fixed Charge (WP1N)	Category 2 Non Domestic 24 hr (U1)	Category 2 Non Domestic Controlled (U2)	Category 2 Non Domestic Economy Day (U3N)	Category 2 Non Domestic Economy Night (U3L)	Category 2 Non Domestic Night (U5)	Category 2 Fixed Distribution Charge (WP2N)	Category 2 Time of Use Metering Peak Charge C2P	Category 2 Time of Use Metering Fixed Annual Capacity Charge (C2F)	Category 3 Time of Use Metering Peak Charge (C3P)	Category 3 Time of Use Metering Transpower Coincident Peak Charge (C3CP)	Category 3 Time of Use Metering Fixed Annual Capacity Charge (C3F)	Category 4 Time of Use Metering Peak Charge (C4P)	Category 4 Time of Use Metering Transpower Coincident Peak Charge (C4CP)	Category 4 Time of Use Metering Fixed Annual Capacity Charge (C4F)	Category 5 Time of Use Metering Peak Charge (C5P)	Category 5 Time of Use Metering Transpower Coincident Peak Charge (C5CP)	Category 5 Time of Use Metering Fixed Annual Capacity Charge (C5F)
kWh	kWh	kWh	kWh	kWh	kWh	kWh	kWh	kWh	\$/kW/day	\$/kW/day	\$/kVa/day	\$/kW/day	\$/kW/day	\$/kVa/day	\$/kW/day	\$/kW/day	\$/kVa/day	\$/kW/day	\$/kW/day	\$/kVa/day
\$1	\$99	\$161	\$471																	
				\$3,210	\$75	\$1,786	\$152	\$2	\$1,116											
										\$646	\$82		\$685	\$676	\$1,409					
															\$112	\$298	\$188		\$23	\$18
																				\$327
\$1	\$99	\$161	\$471	\$3,210	\$75	\$1,786	\$152	\$2	\$1,116	\$646	\$82	\$685	\$676	\$1,409	\$112	\$298	\$188	\$23	\$18	\$327
--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
\$1	\$99	\$161	\$471	\$3,210	\$75	\$1,786	\$152	\$2	\$1,116	\$646	\$82	\$685	\$676	\$1,409	\$112	\$298	\$188	\$23	\$18	\$327

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

Company Name	Westpower Limited
For Year Ended	31 March 2019
Network / Sub-network Name	Westpower

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.	14,380	14,425	45	4
9	All	Overhead Line	Wood poles	No.	5,875	5,862	(13)	4
10	All	Overhead Line	Other pole types	No.			-	[Select one]
11	HV	Subtransmission Line	Subtransmission OH up to 66kV conductor	km	323	321	(2)	4
12	HV	Subtransmission Line	Subtransmission OH 110kV+ conductor	km	9	9	(0)	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.	15	14	(1)	4
26	HV	Zone substation switchgear	33kV Switch (Ground Mounted)	No.			-	[Select one]
27	HV	Zone substation switchgear	33kV Switch (Pole Mounted)	No.	65	64	(1)	4
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.	26	25	(1)	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	-	4
33	HV	Zone Substation Transformer	Zone Substation Transformers	No.	25	24	(1)	4
34	HV	Distribution Line	Distribution OH Open Wire Conductor	km	1,497	1,498	1	1
35	HV	Distribution Line	Distribution OH Aerial Cable Conductor	km	1	1	0	4
36	HV	Distribution Line	SWER conductor	km			-	[Select one]
37	HV	Distribution Cable	Distribution UG XLPE or PVC	km	63	64	1	1
38	HV	Distribution Cable	Distribution UG PILC	km	8	8	(0)	1
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	-	4
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	690	-	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.	53	50	(3)	4
45	HV	Distribution Transformer	Pole Mounted Transformer	No.	2,181	2,180	(1)	3
46	HV	Distribution Transformer	Ground Mounted Transformer	No.	309	312	3	4
47	HV	Distribution Transformer	Voltage regulators	No.	4	4	-	4
48	HV	Distribution Substations	Ground Mounted Substation Housing	No.			-	[Select one]
49	LV	LV Line	LV OH Conductor	km	196	196	0	2
50	LV	LV Cable	LV UG Cable	km	198	201	3	2
51	LV	LV Street lighting	LV OH/UG Streetlight circuit	km			-	[Select one]
52	LV	Connections	OH/UG consumer service connections	No.	13,583	13,670	87	2
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 2019
Network / Sub-network Name	Westpower

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	0
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)	1,499	71
17	Low voltage (< 1kV)	196	201
18	Total circuit length (for supply)	2,025	273
19			
20	Dedicated street lighting circuit length (km)		
21	Circuit in sensitive areas (conservation areas, iwi territory etc) (km)		
22			258
23	Overhead circuit length by terrain (at year end)	(% of total overhead length)	
24	Urban	142	7%
25	Rural	1,449	72%
26	Remote only	152	7%
27	Rugged only	253	13%
28	Remote and rugged	28	1%
29	Unallocated overhead lines	1	0%
30	Total overhead length	2,025	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 2019**

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

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 2019
Network / Sub-network Name	Westpower

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)

Number of connections (ICPs)

10,939
1,824
883
17
24
1
1

* include additional rows if needed

Connections total

13,689

Distributed generation

Number of connections made in year

18

connections

Capacity of distributed generation installed in year

0.10

MVA

9e(ii): System Demand

Maximum coincident system demand

GXP demand

24

plus Distributed generation output at HV and above

19

Maximum coincident system demand

44

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

--

Demand on system for supply to consumers' connection points

44

Demand at time of maximum coincident demand (MW)

Electricity volumes carried

Electricity supplied from GXPs

131

less Electricity exports to GXPs

31

plus Electricity supplied from distributed generation

150

less Net electricity supplied to (from) other EDBs

--

Electricity entering system for supply to consumers' connection points

250

less Total energy delivered to ICPs

233

Electricity losses (loss ratio)

17

6.6%

Load factor

0.65

9e(iii): Transformer Capacity

Distribution transformer capacity (EDB owned)

152

Distribution transformer capacity (Non-EDB owned, estimated)

32

Total distribution transformer capacity

184

Zone substation transformer capacity

153

(MVA)

Company Name	Westpower Limited
For Year Ended	31 March 2019
Network / Sub-network Name	Westpower

SCHEDULE 10: REPORT ON NETWORK RELIABILITY

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

sch ref

8 **10(i): Interruptions**

9 **Interruptions by class**

	Number of interruptions
10 Class A (planned interruptions by Transpower)	1
11 Class B (planned interruptions on the network)	90
12 Class C (unplanned interruptions on the network)	108
13 Class D (unplanned interruptions by Transpower)	5
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	204

21 **Interruption restoration**

	≤3Hrs	>3hrs
22 Class C interruptions restored within	81	27

24 **SAIFI and SAIDI by class**

	SAIFI	SAIDI
25 Class A (planned interruptions by Transpower)	0.00	1.0
26 Class B (planned interruptions on the network)	0.18	48.8
27 Class C (unplanned interruptions on the network)	1.61	115.5
28 Class D (unplanned interruptions by Transpower)	0.49	6.6
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	2.29	171.9

36 **Normalised SAIFI and SAIDI**

	Normalised SAIFI	Normalised SAIDI
37 Classes B & C (interruptions on the network)	1.80	164.3

Company Name	Westpower Limited
For Year Ended	31 March 2019
Network / Sub-network Name	Westpower

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	0.11	8.3
Vegetation	0.32	21.0
Adverse weather	0.60	61.3
Adverse environment	0.04	1.9
Third party interference	0.03	1.0
Wildlife	0.11	4.1
Human error	0.03	0.2
Defective equipment	0.12	5.4
Cause unknown	0.26	12.4

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

Main equipment involved	SAIFI	SAIDI
Subtransmission lines	0.02	3.7
Subtransmission cables		
Subtransmission other		
Distribution lines (excluding LV)	0.16	45.1
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	0.64	43.8
Subtransmission cables	0.04	6.9
Subtransmission other		
Distribution lines (excluding LV)	0.93	64.9
Distribution cables (excluding LV)		
Distribution other (excluding LV)		

10(v): Fault Rate

Main equipment involved	Number of Faults	Circuit length (km)	Fault rate (faults per 100km)
Subtransmission lines	14	260	5.38
Subtransmission cables			-
Subtransmission other			
Distribution lines (excluding LV)	94	1,418	6.63
Distribution cables (excluding LV)		66	-
Distribution other (excluding LV)			
Total	108		