



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

Company Name

[Westpower Limited](#)

Disclosure Date

[28 August 2019](#)

Disclosure Year (year ended)

[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

### 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)
<b>Operational expenditure</b>	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
<b>Expenditure on assets</b>	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

### 1(ii): Revenue metrics

	Revenue per GWh energy delivered to ICPs (\$/GWh)	Revenue per average no. of ICPs (\$/ICP)
<b>Total consumer line charge revenue</b>	89,513	1,533
Standard consumer line charge revenue	89,513	1,533
Non-standard consumer line charge revenue	–	–

### 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)

### 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%
<b>Total regulatory income</b>	<b>21,595</b>	

### 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

### 2(i): Return on Investment

#### ROI – comparable to a post tax WACC

Reflecting all revenue earned  
Excluding revenue earned from financial incentives  
Excluding revenue earned from financial incentives and wash-ups

#### Mid-point estimate of post tax WACC

25th percentile estimate  
75th percentile estimate

#### ROI – comparable to a vanilla WACC

Reflecting all revenue earned  
Excluding revenue earned from financial incentives  
Excluding revenue earned from financial incentives and wash-ups

#### WACC rate used to set regulatory price path

#### Mid-point estimate of vanilla WACC

25th percentile estimate  
75th percentile estimate

CY-2	CY-1	Current Year CY
31 Mar 17	31 Mar 18	31 Mar 19
%	%	%

3.81%	3.21%	3.85%
3.81%	3.21%	3.85%
3.81%	3.21%	3.85%
4.77%	5.04%	4.75%
4.05%	4.36%	4.07%
5.48%	5.72%	5.43%

4.35%	3.80%	4.36%
4.35%	3.80%	4.36%
4.35%	3.80%	4.36%

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5.31%	5.60%	5.26%
4.59%	4.92%	4.58%
6.03%	6.29%	5.94%

### 2(ii): Information Supporting the ROI

(\$000)

Total opening RAB value  
plus Opening deferred tax

#### Opening RIV

#### Line charge revenue

Expenses cash outflow  
add Assets commissioned  
less Asset disposals  
add Tax payments  
less Other regulated income

#### Mid-year net cash outflows

#### Term credit spread differential allowance

Total closing RAB value  
less Adjustment resulting from asset allocation  
less Lost and found assets adjustment  
plus Closing deferred tax

#### Closing RIV

#### ROI – comparable to a vanilla WACC

Leverage (%)  
Cost of debt assumption (%)  
Corporate tax rate (%)

#### ROI – comparable to a post tax WACC

107,704	
4,604	
	112,308
	20,879
13,391	
2,354	
1,176	
151	
716	
	14,004
	–
105,938	
0	
–	
4,330	
	110,268

4.36%

42%

4.33%

28%

3.85%

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

## 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	4.26%
Year-end ROI – comparable to a post tax WACC	3.75%

\* 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 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*

7	<b>3(i): Regulatory Profit</b>		(\$000)
8	<b>Income</b>		
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	<b>Total regulatory income</b>	<b>21,595</b>	
14	<b>Expenses</b>		
15	less Operational expenditure	8,879	
16			
17	less Pass-through and recoverable costs excluding financial incentives and wash-ups	4,512	
18			
19	<b>Operating surplus / (deficit)</b>	<b>8,204</b>	
20			
21	less Total depreciation	4,542	
22			
23	plus Total revaluations	1,598	
24			
25	<b>Regulatory profit / (loss) before tax</b>	<b>5,260</b>	
26			
27	less Term credit spread differential allowance	–	
28			
29	less Regulatory tax allowance	425	
30			
31	<b>Regulatory profit/(loss) including financial incentives and wash-ups</b>	<b>4,835</b>	
32			
33	<b>3(ii): Pass-through and Recoverable Costs excluding Financial Incentives and Wash-Ups</b>		(\$000)
34	<b>Pass through costs</b>		
35	Rates	129	
36	Commerce Act levies	29	
37	Industry levies	55	
38	CPP specified pass through costs		
39	<b>Recoverable costs excluding financial incentives and wash-ups</b>		
40	Electricity lines service charge payable to Transpower	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	<b>Pass-through and recoverable costs excluding financial incentives and wash-ups</b>	<b>4,512</b>	
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 31 Mar 18	CY 31 Mar 19
48	<b>3(iii): Incremental Rolling Incentive Scheme</b>		
49			
50			
51	Allowed controllable opex		
52	Actual controllable opex		
53			
54	Incremental change in year		
55			
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	<b>Net incremental rolling incentive scheme</b>		—
63			
64	<b>Net recoverable costs allowed under incremental rolling incentive scheme</b>		—
65	<b>3(iv): Merger and Acquisition Expenditure</b>		
70			(\$000)
66	Merger and acquisition expenditure		
67			
68	<i>Provide commentary on the benefits of merger and acquisition expenditure to the electricity distribution business, including required disclosures in accordance with section 2.7, in Schedule 14 (Mandatory Explanatory Notes)</i>		
69	<b>3(v): Other Disclosures</b>		
70			(\$000)
71	Self-insurance allowance		

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)
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.

sch ref

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

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72

73

74

75

CPI<sub>4</sub>CPI<sub>4</sub><sup>-4</sup>

Revaluation rate (%)

1,026

1,011

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

#### 4(v): Regulatory Depreciation

Depreciation - standard  
Depreciation - no standard life assets  
Depreciation - modified life assets  
Depreciation - alternative depreciation in accordance with CPP  
**Total depreciation**

Unallocated RAB *		RAB	
(\$000)	(\$000)	(\$000)	(\$000)
3,937		3,937	
605		605	
	4,542		4,542

#### 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

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

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

#### S5a.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

5a(iv): Amortisation of Revaluations		(\$000)
Opening sum of RAB values without revaluations	96,269	
Adjusted depreciation	4,038	
Total depreciation	4,542	
Amortisation of revaluations		504

## (\$000)

54	Opening tax losses		-	
55	plus	Current period tax losses		
56	less	Utilised tax losses		
57	Closing tax losses			-

## (\$000)

60	<b>Opening deferred tax</b>		4,604
61			
62	<i>plus</i>	Tax effect of adjusted depreciation	1,131
63			
64	<i>less</i>	Tax effect of tax depreciation	933
65			
66	<i>plus</i>	Tax effect of other temporary differences*	(199)
67			
68	<i>less</i>	Tax effect of amortisation of initial differences in asset values	451
69			
70	<i>plus</i>	Deferred tax balance relating to assets acquired in the disclosure year	
71			
72	<i>less</i>	Deferred tax balance relating to assets disposed in the disclosure year	(179)
73			
74	<i>plus</i>	Deferred tax cost allocation adjustment	(0)
75			
76	<b>Closing deferred tax</b>		4,330

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).

## (\$000)

83	<b>Opening sum of regulatory tax asset values</b>		36,838	
84	<i>less</i>	Tax depreciation	3,333	
85	<i>plus</i>	Regulatory tax asset value of assets commissioned	2,354	
86	<i>less</i>	Regulatory tax asset value of asset disposals	536	
87	<i>plus</i>	Lost and found assets adjustment		
88	<i>plus</i>	Adjustment resulting from asset allocation		
89	<i>plus</i>	Other adjustments to the RAB tax value		
90	<b>Closing sum of regulatory tax asset values</b>			35,320

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)
<b>Total regulatory income</b>		
<b>Market value of asset disposals</b>		
Service interruptions and emergencies	518	
Vegetation management	705	
Routine and corrective maintenance and inspection	2,839	
Asset replacement and renewal (opex)	590	
<b>Network opex</b>		4,652
Business support	158	
System operations and network support	277	
<b>Operational expenditure</b>		5,087
Consumer connection	148	
System growth	233	
Asset replacement and renewal (capex)	1,004	
Asset relocations	15	
Quality of supply	240	
Legislative and regulatory	—	
Other reliability, safety and environment	163	
<b>Expenditure on non-network assets</b>		13
<b>Expenditure on assets</b>		1,816
Cost of financing		—
Value of capital contributions		—
Value of vested assets		—
<b>Capital Expenditure</b>		1,816
<b>Total expenditure</b>		6,903
<b>Other related party transactions</b>		534

### 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	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
<b>Total value of related party transactions</b>		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)**

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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

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

		Value allocated (\$000s)				
	Arm's length deduction	Electricity distribution services	Non-electricity distribution services	Total	OVABAA allocation increase (\$000s)	
<b>Service interruptions and emergencies</b>						
Directly attributable		518				
Not directly attributable				–		
Total attributable to regulated service		518				
<b>Vegetation management</b>						
Directly attributable		691				
Not directly attributable				–		
Total attributable to regulated service		691				
<b>Routine and corrective maintenance and inspection</b>						
Directly attributable		3,132				
Not directly attributable				–		
Total attributable to regulated service		3,132				
<b>Asset replacement and renewal</b>						
Directly attributable		639				
Not directly attributable				–		
Total attributable to regulated service		639				
<b>System operations and network support</b>						
Directly attributable		920				
Not directly attributable		1,342	110	1,452		
Total attributable to regulated service		2,262				
<b>Business support</b>						
Directly attributable		854				
Not directly attributable		783	580	1,363		
Total attributable to regulated service		1,637				
<b>Operating costs directly attributable</b>						
Operating costs not directly attributable	–	2,125	690	2,815	–	
Operational expenditure		8,879				

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

### 5d(ii): Other Cost Allocations

#### Pass through and recoverable costs

(\$000)

#### Pass through costs

Directly attributable

213

Not directly attributable

Total attributable to regulated service

213

#### Recoverable costs

Directly attributable

4,299

Not directly attributable

Total attributable to regulated service

4,299

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

(\$000)

#### Change in cost allocation 1

Cost category

Original allocator or line items

New allocator or line items

Original allocation

New allocation

Difference

CY-1 Current Year (CY)

-

-

Rationale for change

(\$000)

#### Change in cost allocation 2

Cost category

Original allocator or line items

New allocator or line items

Original allocation

New allocation

Difference

CY-1 Current Year (CY)

-

-

Rationale for change

(\$000)

#### Change in cost allocation 3

Cost category

Original allocator or line items

New allocator or line items

Original allocation

New allocation

Difference

CY-1 Current Year (CY)

-

-

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

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

			(\$000)	
			CY-1	Current Year (CY)
<b>Change in asset value allocation 1</b>				
Asset category		Original allocation		
Original allocator or line items		New allocation		
New allocator or line items		Difference	–	–
Rationale for change				
<b>Change in asset value allocation 2</b>				
Asset category		Original allocation		
Original allocator or line items		New allocation		
New allocator or line items		Difference	–	–
Rationale for change				
<b>Change in asset value allocation 3</b>				
Asset category		Original allocation		
Original allocator or line items		New allocation		
New allocator or line items		Difference	–	–
Rationale for change				

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

† include additional rows if needed

Company Name

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	<b>6a(i): Expenditure on Assets</b>	(\$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	<b>Total reliability, safety and environment</b>		744
17	<b>Expenditure on network assets</b>		2,153
18	Expenditure on non-network assets		427
19			
20	<b>Expenditure on assets</b>		2,580
21	plus Cost of financing		
22	less Value of capital contributions		–
23	plus Value of vested assets		
24			
25	<b>Capital expenditure</b>		2,580
26	<b>6a(ii): Subcomponents of Expenditure on Assets (where known)</b>		(\$000)
27	Energy efficiency and demand side management, reduction of energy losses		
28	Overhead to underground conversion		
29	Research and development		
30	<b>6a(iii): Consumer Connection</b>		
31	<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	<b>Consumer connection expenditure</b>		148
39			
40	less Capital contributions funding consumer connection expenditure		
41	<b>Consumer connection less capital contributions</b>		148
42	<b>6a(iv): System Growth and Asset Replacement and Renewal</b>		
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	<b>System growth and asset replacement and renewal expenditure</b>	233	1,012
53	less Capital contributions funding system growth and asset replacement and renewal		
54	<b>System growth and asset replacement and renewal less capital contributions</b>	233	1,012
55			
56	<b>6a(v): Asset Relocations</b>		
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	<b>Asset relocations expenditure</b>		16
66	less Capital contributions funding asset relocations		
67	<b>Asset relocations less capital contributions</b>		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	<b>6a(vi): Quality of Supply</b>				
70	<i>Project or programme*</i>		(\$000)	(\$000)	
71	ADMS System Project		324		
72	Communication Network Refurbishment Programme		71		
73					
74					
75					
76	<i>* include additional rows if needed</i>				
77	All other projects programmes - quality of supply		192		
78	<b>Quality of supply expenditure</b>			587	
79	less Capital contributions funding quality of supply				
80	<b>Quality of supply less capital contributions</b>			587	
81	<b>6a(vii): Legislative and Regulatory</b>				
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	<b>Legislative and regulatory expenditure</b>			—	
91	less Capital contributions funding legislative and regulatory				
92	<b>Legislative and regulatory less capital contributions</b>			—	
93	<b>6a(viii): Other Reliability, Safety and Environment</b>				
94	<i>Project or programme*</i>		(\$000)	(\$000)	
95	Recloser Relay Upgrades		132		
96					
97					
98					
99					
100	<i>* include additional rows if needed</i>				
101	All other projects or programmes - other reliability, safety and environment		25		
102	<b>Other reliability, safety and environment expenditure</b>			157	
103	less Capital contributions funding other reliability, safety and environment				
104	<b>Other reliability, safety and environment less capital contributions</b>			157	
105					
106	<b>6a(ix): Non-Network Assets</b>				
107	<b>Routine expenditure</b>				
108	<i>Project or programme*</i>		(\$000)	(\$000)	
109	ADMS System Project (Computer Equipment)		327		
110					
111					
112					
113					
114	<i>* include additional rows if needed</i>				
115	All other projects or programmes - routine expenditure		100		
116	<b>Routine expenditure</b>			427	
117	<b>Atypical expenditure</b>				
118	<i>Project or programme*</i>		(\$000)	(\$000)	
119					
120					
121					
122					
123					
124	<i>* include additional rows if needed</i>				
125	All other projects or programmes - atypical expenditure				
126	<b>Atypical expenditure</b>			—	
127					
128	<b>Expenditure on non-network assets</b>			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	<b>6b(i): Operational Expenditure</b>		
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	<b>Network opex</b>		4,980
13	System operations and network support	2,262	
14	Business support	1,637	
15	<b>Non-network opex</b>		3,899
16			
17	<b>Operational expenditure</b>		8,879
18	<b>6b(ii): Subcomponents of Operational Expenditure (where known)</b>		
19	Energy efficiency and demand side management, reduction of energy losses		
20	Direct billing*		
21	Research and development		
22	Insurance		
23	* Direct billing expenditure by suppliers that directly bill the majority of their consumers		

Company Name	<b>Westpower Limited</b>
For Year Ended	<b>31 March 2019</b>

## 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	<b>7(i): Revenue</b>	<b>Target (\$000) <sup>1</sup></b>	<b>Actual (\$000)</b>	<b>% variance</b>
8	Line charge revenue	20,183	20,879	3%
9	<b>7(ii): Expenditure on Assets</b>	<b>Forecast (\$000) <sup>2</sup></b>	<b>Actual (\$000)</b>	<b>% variance</b>
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	<b>Total reliability, safety and environment</b>	<b>1,465</b>	<b>744</b>	<b>(49%)</b>
19	<b>Expenditure on network assets</b>	<b>3,141</b>	<b>2,153</b>	<b>(31%)</b>
20	Expenditure on non-network assets		427	–
21	Expenditure on assets	3,141	2,580	(18%)
22	<b>7(iii): Operational Expenditure</b>			
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	<b>Network opex</b>	<b>5,023</b>	<b>4,980</b>	<b>(1%)</b>
28	System operations and network support	2,323	2,262	(3%)
29	Business support	1,566	1,637	5%
30	<b>Non-network opex</b>	<b>3,889</b>	<b>3,899</b>	<b>0%</b>
31	<b>Operational expenditure</b>	<b>8,912</b>	<b>8,879</b>	<b>(0%)</b>
32	<b>7(iv): Subcomponents of Expenditure on Assets (where known)</b>			
33	Energy efficiency and demand side management, reduction of energy losses		–	–
34	Overhead to underground conversion		–	–
35	Research and development		–	–
36				
37	<b>7(v): Subcomponents of Operational Expenditure (where known)</b>			
38	Energy efficiency and demand side management, reduction of energy losses		–	–
39	Direct billing		–	–
40	Research and development		–	–
41	Insurance	160	–	(100%)
42				
43	<sup>1</sup> From the nominal dollar target revenue for the disclosure year disclosed under clause 2.4.3(3) of this determination			
44	<sup>2</sup> 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)			

**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 ED8 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**

Price component

**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)		

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

<b>Standard consumer totals</b>	13,618	233,252
<b>Non-standard consumer totals</b>	–	–
<b>Total for all consumers</b>	13,618	233,252

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**

Price component

**Line charge revenues (\$000) by price component**

Consumer group name or price category code	Consumer type or types (eg, residential, commercial etc.)	Standard or non-standard consumer group (specify)	Total line charge revenue in disclosure year	Notional revenue foregone from posted discounts (if applicable)
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)	–	

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

<b>Standard consumer totals</b>	\$20,879	–
<b>Non-standard consumer totals</b>	–	–
<b>Total for all consumers</b>	\$20,879	–

Total transmission line charge revenue (if available)

\$6,274	\$1,240
\$2,216	\$344
\$5,370	\$971
\$505	\$223
\$1,618	\$1,152
\$224	\$374
\$159	\$209
–	
–	
–	

\$16,366	\$4,513
–	–
\$16,366	\$4,513

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

\$5,038	\$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 (WP5L)	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 (C2L)	Category 3 Time of use Metering Peak Charge (C3P)	Category 3 Time of Use Metering Transponder Coincident Peak Charge (C3CP)	Category 3 Time of Use Metering Fixed Annual Capacity Charge (C3L)	Category 4 Time of Use Metering Peak Charge (C4P)	Category 4 Time of Use Metering Transponder Coincident Peak Charge (C4CP)	Category 4 Time of Use Metering Fixed Annual Capacity Charge (C4L)	Category 5 Time of Use Metering Peak Charge (C5P)	Category 5 Time of Use Metering Transponder Coincident Peak Charge (C5CP)	Category 5 Time of Use Metering Fixed Annual Capacity Charge (C5L)
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

					Items at start of year (quantity)	Items at end of year (quantity)	Net change	Data accuracy (1-4)
	Voltage	Asset category	Asset class	Units				
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]



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.

8	Disclosure Year (year ended)	31 March 2019
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Westpower ID-Schedules-1-to-10

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	<b>Circuit length by operating voltage (at year end)</b>	<b>Overhead (km)</b>	<b>Underground (km)</b>
11	> 66kV	9	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)	1,499	71
17	Low voltage (< 1kV)	196	201
18	<b>Total circuit length (for supply)</b>	<b>2,025</b>	<b>273</b>
19			
20	Dedicated street lighting circuit length (km)		–
21	Circuit in sensitive areas (conservation areas, iwi territory etc) (km)		258
22			
23	<b>Overhead circuit length by terrain (at year end)</b>	<b>Circuit length (km)</b>	<b>(% of total overhead length)</b>
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	<b>Total overhead length</b>	<b>2,025</b>	<b>100%</b>
31			
32		<b>Circuit length (km)</b>	<b>(% of total circuit length)</b>
33	Length of circuit within 10km of coastline or geothermal areas (where known)	864	38%
34		<b>Circuit length (km)</b>	<b>(% of total overhead length)</b>
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

	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\*

	Number of connections (ICPs)
WP1D Category 1 Domestic	10,939
WP1N Category 1 Non-Domestic (Small)	1,824
WP2N Category 2 Non-Domestic (Medium)	883
C2F Category 2 Time of Use (Medium)	17
C3F Category 3 Time of Use (Large)	24
C4F Category 4 Time of Use (Large)	1
C5F Category 5 Time of Use (Large)	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

**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**

(MVA)

Distribution transformer capacity (EDB owned)

152

Distribution transformer capacity (Non-EDB owned, estimated)

32

**Total distribution transformer capacity**

184

**Zone substation transformer capacity**

153

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

**10(i): Interruptions****Interruptions by class****Number of interruptions**

Class A (planned interruptions by Transpower)

**1**

Class B (planned interruptions on the network)

**90**

Class C (unplanned interruptions on the network)

**108**

Class D (unplanned interruptions by Transpower)

**5**

Class E (unplanned interruptions of EDB owned generation)

Class F (unplanned interruptions of generation owned by others)

Class G (unplanned interruptions caused by another disclosing entity)

Class H (planned interruptions caused by another disclosing entity)

Class I (interruptions caused by parties not included above)

**Total****204****Interruption restoration****≤3Hrs****>3hrs**

Class C interruptions restored within

**81****27****SAIFI and SAIDI by class****SAIFI****SAIDI**

Class A (planned interruptions by Transpower)

**0.00****1.0**

Class B (planned interruptions on the network)

**0.18****48.8**

Class C (unplanned interruptions on the network)

**1.61****115.5**

Class D (unplanned interruptions by Transpower)

**0.49****6.6**

Class E (unplanned interruptions of EDB owned generation)

Class F (unplanned interruptions of generation owned by others)

Class G (unplanned interruptions caused by another disclosing entity)

Class H (planned interruptions caused by another disclosing entity)

Class I (interruptions caused by parties not included above)

**Total****2.29****171.9****Normalised SAIFI and SAIDI****Normalised SAIFI****Normalised SAIDI**

Classes B &amp; 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)			
<b>Total</b>	<b>108</b>		