



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

Company Name

[Westpower Limited](#)

Disclosure Date

[31 August 2018](#)

Disclosure Year (year ended)

[31 March 2018](#)

Templates for Schedules 1–10 excluding 5f–5g
Template Version 4.1. Prepared 24 March 2015

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Company Name **Westpower Limited**
For Year Ended **31 March 2018**

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)
Operational expenditure	37,959	634	204,167	3,738	56,788
Network	22,151	370	119,143	2,181	33,139
Non-network	15,808	264	85,024	1,557	23,649
Expenditure on assets	7,432	124	39,976	732	11,119
Network	6,649	111	35,762	655	9,947
Non-network	784	13	4,214	77	1,172

1(ii): Revenue metrics

	Revenue per GWh energy delivered to ICPs (\$/GWh)	Revenue per average no. of ICPs (\$/ICP)
Total consumer line charge revenue	91,822	1,534
Standard consumer line charge revenue	91,822	1,534
Non-standard consumer line charge revenue	–	–

1(iii): Service intensity measures

Demand density	18	Maximum coincident system demand per km of circuit length (for supply) (kW/km)
Volume density	98	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	16,701	Total energy delivered to ICPs per average number of ICPs (kWh/ICP)

1(iv): Composition of regulatory income

	(\$000)	% of revenue
Operational expenditure	8,575	40.10%
Pass-through and recoverable costs excluding financial incentives and wash-ups	5,460	25.54%
Total depreciation	4,430	20.72%
Total revaluations	1,204	5.63%
Regulatory tax allowance	163	0.76%
Regulatory profit/(loss) including financial incentives and wash-ups	3,958	18.51%
Total regulatory income	21,382	

1(v): Reliability

Interruption rate	11.42	Interruptions per 100 circuit km
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Company Name

Westpower Limited

For Year Ended

31 March 2018

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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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 16	31 Mar 17	31 Mar 18
%	%	%

3.15%	3.81%	3.21%
3.15%	3.81%	3.21%
3.15%	3.81%	3.21%
5.37%	4.77%	5.04%
4.66%	4.05%	4.36%
6.09%	5.48%	5.72%

3.80%	4.35%	3.80%
3.80%	4.35%	3.80%
3.80%	4.35%	3.80%

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6.02%	5.31%	5.60%
5.30%	4.59%	4.92%
6.74%	6.03%	6.29%

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

109,461	
(4,223)	
	105,238
	20,743
14,035	
1,538	
69	
(218)	
639	
	14,647
	—
107,704	
(0)	
—	
(4,604)	
	103,100

3.80%
44%
4.80%
28%
3.21%

Company Name **Westpower Limited**
 For Year Ended **31 March 2018**

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	3.73%
Year-end ROI – comparable to a post tax WACC	3.14%

* 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	
Recoverable customised price-quality path costs	
Catastrophic event allowance	
Capex wash-up adjustment	
Transmission asset wash-up adjustment	
2013–2015 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 2018**

SCHEDULE 3: REPORT ON REGULATORY PROFIT

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

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

sch ref

7	3(i): Regulatory Profit		(\$000)
8	Income		
9	Line charge revenue	20,743	
10	plus Gains / (losses) on asset disposals	(57)	
11	plus Other regulated income (other than gains / (losses) on asset disposals)	696	
12			
13	Total regulatory income	21,382	
14	Expenses		
15	less Operational expenditure	8,575	
16			
17	less Pass-through and recoverable costs excluding financial incentives and wash-ups	5,460	
18			
19	Operating surplus / (deficit)	7,347	
20			
21	less Total depreciation	4,430	
22			
23	plus Total revaluations	1,204	
24			
25	Regulatory profit / (loss) before tax	4,121	
26			
27	less Term credit spread differential allowance	–	
28			
29	less Regulatory tax allowance	163	
30			
31	Regulatory profit/(loss) including financial incentives and wash-ups	3,958	
32			
33	3(ii): Pass-through and Recoverable Costs excluding Financial Incentives and Wash-Ups		(\$000)
34	Pass through costs		
35	Rates	135	
36	Commerce Act levies	25	
37	Industry levies	53	
38	CPP specified pass through costs		
39	Recoverable costs excluding financial incentives and wash-ups		
40	Electricity lines service charge payable to Transpower	2,544	
41	Transpower new investment contract charges		
42	System operator services		
43	Distributed generation allowance	2,703	
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	5,460	
47			

Company Name **Westpower Limited**
 For Year Ended **31 March 2018**

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 17	CY 31 Mar 18
48	3(iii): Incremental Rolling Incentive Scheme		
49			
50			
51	Allowed controllable opex		
52	Actual controllable opex		
53			
54	Incremental change in year		
55			
56			
57	CY-5 31 Mar 13		
58	CY-4 31 Mar 14		
59	CY-3 31 Mar 15		
60	CY-2 31 Mar 16		
61	CY-1 31 Mar 17		
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 2018****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 14 (\$000)	RAB 31 Mar 15 (\$000)	RAB 31 Mar 16 (\$000)	RAB 31 Mar 17 (\$000)	RAB 31 Mar 18 (\$000)
114,505	114,618	112,420	110,500	109,461
4,135	4,261	4,320	4,332	4,430
1,753	96	660	2,394	1,204
2,695	2,062	2,165	1,733	1,538
200	95	425	834	69
				—
				(0)
114,618	112,420	110,500	109,461	107,704

4(ii): Unallocated Regulatory Asset Base

Unallocated RAB * (\$000)	RAB (\$000)
109,461	109,461
4,430	4,430
1,204	1,204
74	74
—	
1,464	1,464
1,538	1,538
69	69
69	69
	(0)
107,704	107,704

* 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 2018****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

51

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

52

53

54

55

56

57

58

59

60

61

62

63

64

65

66

67

68

69

70

71

72

73

74

75

CPI_tCPI_{t-4}

Revaluation rate (%)

1,011

1,000

1.10%

Unallocated RAB *

RAB

(\$000)

(\$000)

(\$000)

(\$000)

Total opening RAB value

109,461

109,461

/less Opening value of fully depreciated, disposed and lost assets

Total opening RAB value subject to revaluation

109,461

109,461

Total revaluations

1,204

1,204

4(iv): Roll Forward of Works Under Construction

Unallocated works under

construction

Allocated works under construction

Works under construction—preceding disclosure year

278

278

plus Capital expenditure

1,679

1,679

less Assets commissioned

1,538

1,538

plus Adjustment resulting from asset allocation

Works under construction - current disclosure year

419

419

Highest rate of capitalised finance applied

Company Name **Westpower Limited**
 For Year Ended **31 March 2018**

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)
3,835		3,835	
595		595	
	4,430		4,430

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
Total opening RAB value	16,984		27,744	32,554	6,119	14,032	5,909	5,782	337	109,461
less Total depreciation	536		1,023	1,246	255	595	252	469	54	4,430
plus Total revaluations	187		305	358	67	154	65	64	4	1,204
plus Assets commissioned	164		30	303		166	404	309	162	1,538
less Asset disposals			18	43	1		7			69
plus Lost and found assets adjustment										-
plus Adjustment resulting from asset allocation										-
plus Asset category transfers										-
Total closing RAB value	16,799	-	27,038	31,926	5,930	13,757	6,119	5,686	449	107,704
Asset Life										
Weighted average remaining asset life	37.8		27.1	32.6	26.7	30.6	28.4	14.7	6.0	(years)
Weighted average expected total asset life	58.1		43.3	54.1	56.6	51.4	38.3	25.5	8.8	(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

5a(i): Regulatory Tax Allowance			(\$'000)
	Regulatory profit / (loss) before tax		4,121
<i>plus</i>	Income not included in regulatory profit / (loss) before tax but taxable		*
	Expenditure or loss in regulatory profit / (loss) before tax but not deductible	386	*
	Amortisation of initial differences in asset values	1,613	
	Amortisation of revaluations	454	
			2,453
<i>less</i>	Total revaluations	1,204	
	Income included in regulatory profit / (loss) before tax but not taxable		*
	Discretionary discounts and customer rebates	1,992	
	Expenditure or loss deductible but not in regulatory profit / (loss) before tax	86	*
	Notional deductible interest	2,171	
			5,453
	Regulatory taxable income		1,121
<i>less</i>	Utilised tax losses	539	
	Regulatory net taxable income		582
	Corporate tax rate (%)	28%	
	Regulatory tax allowance		162

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

(\$000)

36		Opening unamortised initial differences in asset values	41,937	
37	<i>less</i>	Amortisation of initial differences in asset values	1,613	
38	<i>plus</i>	Adjustment for unamortised initial differences in assets acquired		
39	<i>less</i>	Adjustment for unamortised initial differences in assets disposed	55	
40		Closing unamortised initial differences in asset values		40,269
41				
42		Opening weighted average remaining useful life of relevant assets (years)		26

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	98,777	
Adjusted depreciation	3,976	
Total depreciation	4,430	
Amortisation of revaluations		454

54	Opening tax losses		539	
55	plus	Current period tax losses		
56	less	Utilised tax losses	539	
57	Closing tax losses			-

60	Opening deferred tax		(4,223)
61			
62	<i>plus</i>	Tax effect of adjusted depreciation	1,113
63			
64	<i>less</i>	Tax effect of tax depreciation	981
65			
66	<i>plus</i>	Tax effect of other temporary differences*	(81)
67			
68	<i>less</i>	Tax effect of amortisation of initial differences in asset values	452
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	(19)
73			
74	<i>plus</i>	Deferred tax cost allocation adjustment	0
75			
76	Closing deferred tax		(4,604)

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)
82		
83	Opening sum of regulatory tax asset values	38,805
84	<i>less</i> Tax depreciation	<i>3,505</i>
85	<i>plus</i> Regulatory tax asset value of assets commissioned	<i>1,538</i>
86	<i>less</i> Regulatory tax asset value of asset disposals	
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	Closing sum of regulatory tax asset values	36,838

Company Name **Westpower Limited**
For Year Ended **31 March 2018**

SCHEDULE 5b: REPORT ON RELATED PARTY TRANSACTIONS

This schedule provides information on the valuation of related party transactions, in accordance with section 2.3.6 and 2.3.7 of the ID 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

5b(i): Summary—Related Party Transactions

(\$000)

Total regulatory income	
Operational expenditure	6,750
Capital expenditure	1,575
Market value of asset disposals	
Other related party transactions	745

5b(ii): Entities Involved in Related Party Transactions

Name of related party	Related party relationship
ElectroNet Services	Wholly owned subsidiary of Westpower Limited
Mitton ElectroNet Limited	Wholly owned subsidiary of ElectroNet Services Limited
Amethyst Hydro	Majority owned subsidiary of Westpower Limited

* include additional rows if needed

5b(iii): Related Party Transactions

Name of related party	Related party transaction type	Description of transaction	Value of transaction (\$000)	Basis for determining value
ElectroNet Services Limited	Opex	Maintenance Programme - Inspect, Services and Test	3,220	ID clause 2.3.6(1)(b)
ElectroNet Services Limited	Opex	Maintenance Programme - Faults	1,055	ID clause 2.3.6(1)(b)
ElectroNet Services Limited	Opex	Maintenance Programme - Repairs	356	ID clause 2.3.6(1)(b)
ElectroNet Services Limited	Opex	System Operations & Network Support	1,537	ID clause 2.3.6(1)(b)
ElectroNet Services Limited	Opex	Business Support	569	ID clause 2.3.6(1)(b)
ElectroNet Services Limited	Capex	Subtransmission Lines	154	IM clause 2.2.11(5)(g)
ElectroNet Services Limited	Capex	Zone Substations	60	IM clause 2.2.11(5)(g)
ElectroNet Services Limited	Capex	Distribution Lines and Cables	546	IM clause 2.2.11(5)(g)
ElectroNet Services Limited	Capex	Medium Voltage Switchgear	256	IM clause 2.2.11(5)(g)
ElectroNet Services Limited	Capex	Distribution Transformers	120	IM clause 2.2.11(5)(g)
ElectroNet Services Limited	Capex	Distribution Substations	75	IM clause 2.2.11(5)(g)
ElectroNet Services Limited	Capex	Low Voltage Lines and Cables	123	IM clause 2.2.11(5)(g)
ElectroNet Services Limited	Capex	SCADA Comms and Other Assets	183	IM clause 2.2.11(5)(g)
ElectroNet Services Limited	Capex	Non Network Assets	47	IM clause 2.2.11(5)(d)
Mitton ElectroNet Limited	Opex	Maintenance Programme - Inspect, Services and Test	5	ID clause 2.3.6(1)(b)
Mitton ElectroNet Limited	Opex	Business Support	8	ID clause 2.3.6(1)(b)
Mitton ElectroNet Limited	Capex	Zone Substations	1	IM clause 2.2.11(5)(g)
Mitton ElectroNet Limited	Capex	SCADA Comms and Other Assets	10	IM clause 2.2.11(5)(g)
Amethyst Hydro Limited	Opex	Avoided Cost of Transmission	745	ID clause 2.3.6(1)(c)(ii)

* include additional rows if needed

Company Name **Westpower Limited**
 For Year Ended **31 March 2018**

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

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	Cost of executing an interest rate swap	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

44%

Average opening and closing RAB values

Attribution Rate (%)

-

Term credit spread differential allowance

-

Company Name **Westpower Limited**For Year Ended **31 March 2018****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)
Service interruptions and emergencies					
Directly attributable		1,053			
Not directly attributable				–	
Total attributable to regulated service		1,053			
Vegetation management					
Directly attributable		573			
Not directly attributable				–	
Total attributable to regulated service		573			
Routine and corrective maintenance and inspection					
Directly attributable		3,023			
Not directly attributable				–	
Total attributable to regulated service		3,023			
Asset replacement and renewal					
Directly attributable		355			
Not directly attributable				–	
Total attributable to regulated service		355			
System operations and network support					
Directly attributable		1,686			
Not directly attributable		333	35	368	
Total attributable to regulated service		2,019			
Business support					
Directly attributable		1,425			
Not directly attributable		127	181	308	
Total attributable to regulated service		1,552			
Operating costs directly attributable		8,115			
Operating costs not directly attributable	–	460	216	676	–
Operational expenditure		8,575			

Company Name **Westpower Limited**
 For Year Ended **31 March 2018**

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

5,247

Not directly attributable

Total attributable to regulated service

5,247

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 2018

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	16,799
Not directly attributable	
Total attributable to regulated service	16,799
Subtransmission cables	
Directly attributable	
Not directly attributable	
Total attributable to regulated service	–
Zone substations	
Directly attributable	27,038
Not directly attributable	
Total attributable to regulated service	27,038
Distribution and LV lines	
Directly attributable	31,926
Not directly attributable	
Total attributable to regulated service	31,926
Distribution and LV cables	
Directly attributable	5,931
Not directly attributable	
Total attributable to regulated service	5,931
Distribution substations and transformers	
Directly attributable	13,757
Not directly attributable	
Total attributable to regulated service	13,757
Distribution switchgear	
Directly attributable	6,119
Not directly attributable	
Total attributable to regulated service	6,119
Other network assets	
Directly attributable	5,686
Not directly attributable	
Total attributable to regulated service	5,686
Non-network assets	
Directly attributable	448
Not directly attributable	
Total attributable to regulated service	448
Regulated service asset value directly attributable	107,704
Regulated service asset value not directly attributable	–
Total closing RAB value	107,704

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

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

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

† include additional rows if needed

Company Name

Westpower Limited

For Year Ended

31 March 2018

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			93
9	System growth			158
10	Asset replacement and renewal			679
11	Asset relocations			32
12	Reliability, safety and environment:			
13	Quality of supply	382		
14	Legislative and regulatory	—		
15	Other reliability, safety and environment	158		
16	Total reliability, safety and environment			540
17	Expenditure on network assets			1,502
18	Expenditure on non-network assets			177
19				
20	Expenditure on assets			1,679
21	plus Cost of financing			
22	less Value of capital contributions			—
23	plus Value of vested assets			
24				
25	Capital expenditure			1,679
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			12
29	Research and development			
30	6a(iii): Consumer Connection			
31	<i>Consumer types defined by EDB*</i>		(\$000)	(\$000)
32	Cat 1 Domestic		48	
33	Cat 1 Non Domestic < 15 kVA		9	
34	Cat 2 Non Domestic > 15 kVA		16	
35	Bulk Loads > 200 kVA		4	
36	Other		16	
37	<i>* include additional rows if needed</i>			
38	Consumer connection expenditure			93
39				
40	less Capital contributions funding consumer connection expenditure			
41	Consumer connection less capital contributions			93
42	6a(iv): System Growth and Asset Replacement and Renewal			
43				
44				
45	Subtransmission			154
46	Zone substations			22
47	Distribution and LV lines			330
48	Distribution and LV cables			
49	Distribution substations and transformers	143		34
50	Distribution switchgear			69
51	Other network assets	15		70
52	System growth and asset replacement and renewal expenditure	158		679
53	less Capital contributions funding system growth and asset replacement and renewal			
54	System growth and asset replacement and renewal less capital contributions	158		679
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	32		
65	Asset relocations expenditure			32
66	less Capital contributions funding asset relocations			
67	Asset relocations less capital contributions			32

Company Name

Westpower Limited

For Year Ended

31 March 2018

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

This schedule requires a breakdown of capital expenditure on assets incurred in the disclosure year, including any assets in respect of which capital contributions are received, but excluding assets that are vested assets. Information on expenditure on assets must be provided on an accounting accruals basis and must exclude finance costs.

EDBs must provide explanatory comment on their expenditure on assets in Schedule 14 (Explanatory Notes to Templates).

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

sch ref

68				
69	6a(vi): Quality of Supply			
70	<i>Project or programme*</i>	(\$000)	(\$000)	
71	11kV Line - Raupo Crossing	202		
72				
73				
74				
75				
76	<i>* include additional rows if needed</i>			
77	All other projects programmes - quality of supply	180		
78	Quality of supply expenditure		382	
79	less Capital contributions funding quality of supply			
80	Quality of supply less capital contributions		382	
81	6a(vii): Legislative and Regulatory			
82	<i>Project or programme*</i>	(\$000)	(\$000)	
83				
84				
85				
86				
87				
88	<i>* include additional rows if needed</i>			
89	All other projects or programmes - legislative and regulatory			
90	Legislative and regulatory expenditure		-	
91	less Capital contributions funding legislative and regulatory			
92	Legislative and regulatory less capital contributions		-	
93	6a(viii): Other Reliability, Safety and Environment			
94	<i>Project or programme*</i>	(\$000)	(\$000)	
95	Recloser Relay Upgrades	93		
96				
97				
98				
99				
100	<i>* include additional rows if needed</i>			
101	All other projects or programmes - other reliability, safety and environment	65		
102	Other reliability, safety and environment expenditure		158	
103	less Capital contributions funding other reliability, safety and environment			
104	Other reliability, safety and environment less capital contributions		158	
105				
106	6a(ix): Non-Network Assets			
107	Routine expenditure			
108	<i>Project or programme*</i>	(\$000)	(\$000)	
109	Vehicle Purchases	107		
110				
111				
112				
113				
114	<i>* include additional rows if needed</i>			
115	All other projects or programmes - routine expenditure	24		
116	Routine expenditure		131	
117	Atypical expenditure			
118	<i>Project or programme*</i>	(\$000)	(\$000)	
119				
120				
121				
122				
123				
124	<i>* include additional rows if needed</i>			
125	All other projects or programmes - atypical expenditure	46		
126	Atypical expenditure		46	
127				
128	Expenditure on non-network assets		177	

Company Name

Westpower Limited

For Year Ended

31 March 2018

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

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

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

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

sch ref

		(\$000)	(\$000)
7	6b(i): Operational Expenditure		
8	Service interruptions and emergencies	1,053	
9	Vegetation management	573	
10	Routine and corrective maintenance and inspection	3,023	
11	Asset replacement and renewal	355	
12	Network opex		5,004
13	System operations and network support	2,019	
14	Business support	1,552	
15	Non-network opex		3,571
16			
17	Operational expenditure		8,575
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		169
23	* Direct billing expenditure by suppliers that directly bill the majority of their consumers		

Company Name **Westpower Limited**
 For Year Ended **31 March 2018**

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	20,714	20,743	0%
9	7(ii): Expenditure on Assets	Forecast (\$000) ²	Actual (\$000)	% variance
10	Consumer connection	98	93	(5%)
11	System growth	227	158	(30%)
12	Asset replacement and renewal	1,180	679	(42%)
13	Asset relocations		32	–
14	Reliability, safety and environment:			
15	Quality of supply	806	382	(53%)
16	Legislative and regulatory	20	–	(100%)
17	Other reliability, safety and environment	258	158	(39%)
18	Total reliability, safety and environment	1,084	540	(50%)
19	Expenditure on network assets	2,589	1,502	(42%)
20	Expenditure on non-network assets		177	–
21	Expenditure on assets	2,589	1,679	(35%)
22	7(iii): Operational Expenditure			
23	Service interruptions and emergencies	496	1,053	112%
24	Vegetation management	600	573	(5%)
25	Routine and corrective maintenance and inspection	3,334	3,023	(9%)
26	Asset replacement and renewal	302	355	18%
27	Network opex	4,732	5,004	6%
28	System operations and network support	2,260	2,019	(11%)
29	Business support	1,594	1,552	(3%)
30	Non-network opex	3,854	3,571	(7%)
31	Operational expenditure	8,586	8,575	(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		12	–
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	169	6%
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

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	10,807	60,886
WP1N	Non-Domestic (Small)	Standard	1,810	17,596
WP2N	Non-Domestic (Medium)	Standard	867	54,040
C2F	Non-Domestic (Medium)	Standard	17	8,931
C3F	Non-domestic (Large)	Standard	22	31,807
C4F	Non-domestic (Large)	Standard	2	51,305
C5F	Non-domestic (Large)	Standard	1	1,339
Add extra rows for additional consumer groups or price category codes as necessary				
Standard consumer totals			13,526	225,904
Non-standard consumer totals			–	–
Total for all consumers			13,526	225,904

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
37,868,664	13,359,345	5,359,214	3,536,988	761,720		12,033,429	732,289	1,908,951	931,574
37,868,664	13,359,345	5,359,214	3,536,988	761,720	–	12,033,429	732,289	1,908,951	931,574
–	–	–	–	–	–	–	–	–	–
37,868,664	13,359,345	5,359,214	3,536,988	761,720	–	12,033,429	732,289	1,908,951	931,574

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	\$7,360	
WP1N	Non-Domestic (Small)	Standard	\$2,545	
WP2N	Non-Domestic (Medium)	Standard	\$6,246	
C2F	Non-Domestic (Medium)	Standard	\$707	
C3F	Non-domestic (Large)	Standard	\$2,612	
C4F	Non-domestic (Large)	Standard	\$915	
C5F	Non-domestic (Large)	Standard	\$358	
			–	
			–	
			–	
Add extra rows for additional consumer groups or price category codes as necessary				
Standard consumer totals			\$20,743	–
Non-standard consumer totals			–	–
Total for all consumers			\$20,743	–

Total distribution line charge revenue	Total transmission line charge revenue (if available)	Rate (eg, \$ per day, \$ per kWh, etc.)
\$5,942	\$1,418	
\$2,130	\$415	
\$5,138	\$1,108	
\$476	\$231	
\$1,396	\$1,216	
\$272	\$643	
\$157	\$201	
\$15,511	\$5,232	
–	–	
\$15,511	\$5,232	

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
\$4,891	\$1,027	\$807	\$20	\$22	\$593				
						\$1,529	\$55	\$283	\$5
\$4,891	\$1,027	\$807	\$20	\$22	\$593	\$1,529	\$55	\$283	\$5
–	–	–	–	–	–	–	–	–	–
\$4,891	\$1,027	\$807	\$20	\$22	\$593	\$1,529	\$55	\$283	\$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 2018
Network / Sub-Network Name	Westpower

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 (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	S/kWh/day	S/kWh/day	S/kVA/day	S/kWh/day	S/kWh/day	S/kVA/day	S/kWh/day	S/kWh/day	S/kVA/day	S/kWh/day	S/kWh/day	S/kVA/day
18,116	1,971,149			28,208,920	2,268,013	15,754,937	7,670,314	137,875		8,931,275		31,806,740			51,305,174			1,338,964		
18,116	1,971,149	--	--	28,208,920	2,268,013	15,754,937	7,670,314	137,875	--	8,931,275	--	31,806,740	--	--	51,305,174	--	--	1,338,964	--	--
18,116	1,971,149	--	--	28,208,920	2,268,013	15,754,937	7,670,314	137,875	--	8,931,275	--	31,806,740	--	--	51,305,174	--	--	1,338,964	--	--

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 (FC2L)	Category 3 Time of use Metering Peak Charge (C3P)	Category 3 Time of Use Metering Transponder Coincident Peak Charge (FC3P)	Category 3 Time of Use Metering Fixed Annual Capacity Charge (FC3L)	Category 4 Time of Use Metering Peak Charge (C4P)	Category 4 Time of Use Metering Transponder Coincident Peak Charge (FC4P)	Category 4 Time of Use Metering Fixed Annual Capacity Charge (FC4L)	Category 5 Time of Use Metering Peak Charge (C5P)	Category 5 Time of Use Metering Transponder Coincident Peak Charge (FC5P)	Category 5 Time of Use Metering Fixed Annual Capacity Charge (FC5L)
kWh	kWh	\$/day	\$/day	kWh	kWh	kWh	kWh	kWh	\$/kWh/day	\$/kWh/day	\$/kVa/day	\$/kWh/day	\$/kWh/day	\$/kVa/day	\$/kWh/day	\$/kWh/day	\$/kVa/day	\$/kWh/day	\$/kWh/day	\$/kVa/day
\$1	\$126	\$78	\$468																	
				\$3,102	\$83	\$1,878	\$25	\$1	\$1,157											
										\$626	\$81									
												\$620	\$812	\$1,180						
															\$134	\$547	\$234	\$23	\$19	\$316
\$1	\$126	\$78	\$468	\$3,102	\$83	\$1,878	\$25	\$1	\$1,157	\$626	\$81	\$620	\$812	\$1,180	\$134	\$547	\$234	\$23	\$19	\$316
-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
\$1	\$126	\$78	\$468	\$3,102	\$83	\$1,878	\$25	\$1	\$1,157	\$626	\$81	\$620	\$812	\$1,180	\$134	\$547	\$234	\$23	\$19	\$316

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

Company Name **Westpower Limited**For Year Ended **31 March 2018**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.	14,204	14,380	176	4
9	All	Overhead Line	Wood poles	No.	5,927	5,875	(52)	4
10	All	Overhead Line	Other pole types	No.			–	[Select one]
11	HV	Subtransmission Line	Subtransmission OH up to 66kV conductor	km	323	323	(0)	4
12	HV	Subtransmission Line	Subtransmission OH 110kV+ conductor	km	9	9	–	4
13	HV	Subtransmission Cable	Subtransmission UG up to 66kV (XLPE)	km	0	0	(0)	[Select one]
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	15	–	4
26	HV	Zone substation switchgear	33kV Switch (Ground Mounted)	No.	–		–	[Select one]
27	HV	Zone substation switchgear	33kV Switch (Pole Mounted)	No.	65	65	–	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	26	–	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	25	–	4
34	HV	Distribution Line	Distribution OH Open Wire Conductor	km	1,501	1,497	(4)	1
35	HV	Distribution Line	Distribution OH Aerial Cable Conductor	km	1	1	–	4
36	HV	Distribution Line	SWER conductor	km			–	4
37	HV	Distribution Cable	Distribution UG XLPE or PVC	km	62	63	1	[Select one]
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.	76	78	2	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.	681	690	9	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	53	–	4
45	HV	Distribution Transformer	Pole Mounted Transformer	No.	2,170	2,181	11	3
46	HV	Distribution Transformer	Ground Mounted Transformer	No.	305	309	4	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	(1)	2
50	LV	LV Cable	LV UG Cable	km	192	198	6	2
51	LV	LV Street lighting	LV OH/UG Streetlight circuit	km			–	[Select one]
52	LV	Connections	OH/UG consumer service connections	No.	13,445	13,583	138	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
For Year Ended
Network / Sub-network Name

SCHEDULE 9b: ASSET AGE PROFILE

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

8		Disclosure Year (year ended)		31 March 2018		Number of assets at disclosure year end by installation date																											No. with age unknown		end of year		No. with default dates		Data accuracy (t-4)																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																										
						Units		pre-1940		1940 –1949		1950 –1959		1960 –1969		1970 –1979		1980 –1989		1990 –1999		2000		2001		2002		2003		2004		2005		2006		2007		2008		2009		2010		2011		2012		2013		2014		2015		2016		2017		2018																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																							
9	Voltage	Asset category	Asset class																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																														

Company Name

Westpower Limited

For Year Ended

31 March 2018

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	9
12	50kV & 66kV	61	0
13	33kV	262	0
14	SWER (all SWER voltages)		–
15	22kV (other than SWER)		–
16	6.6kV to 11kV (inclusive—other than SWER)	1,497	71
17	Low voltage (< 1kV)	195	198
18	Total circuit length (for supply)	2,025	269
19			
20	Dedicated street lighting circuit length (km)		–
21	Circuit in sensitive areas (conservation areas, iwi territory etc) (km)		254
22			
23	Overhead circuit length by terrain (at year end)	Circuit length (km)	(% of total overhead length)
24	Urban	143	7%
25	Rural	1,449	72%
26	Remote only	151	7%
27	Rugged only	254	13%
28	Remote and rugged	28	1%
29	Unallocated overhead lines	1	0%
30	Total overhead length	2,025	100%
31			
32		Circuit length (km)	(% of total circuit length)
33	Length of circuit within 10km of coastline or geothermal areas (where known)	867	38%
34		Circuit length (km)	(% of total overhead length)
35	Overhead circuit requiring vegetation management	645	32%

Company Name	Westpower Limited
For Year Ended	31 March 2018

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

		Number of ICPs served	Line charge revenue (\$000)
8	Location *		
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 2018**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	10,861
WP1N Category 1 Non-Domestic (Small)	1,845
WP2N Category 2 Non-Domestic (Medium)	872
C2F Category 2 Time of Use (Medium)	18
C3F Category 3 Time of Use (Large)	22
C4F Category 4 Time of Use (Large)	1
C5F Category 5 Time of Use (Large)	1

* include additional rows if needed

Connections total

13,620

Distributed generation

Number of connections made in year

5 connections

Capacity of distributed generation installed in year

0.02 MVA

9e(ii): System Demand**Maximum coincident system demand**

GXP demand

17

plus Distributed generation output at HV and above

25

Maximum coincident system demand

42

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

Demand on system for supply to consumers' connection points

42

Electricity volumes carried

Electricity supplied from GXPs

132

less Electricity exports to GXPs

34

plus Electricity supplied from distributed generation

146

less Net electricity supplied to (from) other EDBs

Electricity entering system for supply to consumers' connection points

244

less Total energy delivered to ICPs

226

Electricity losses (loss ratio)

18

7.3%

Load factor

0.66

9e(iii): Transformer Capacity

(MVA)

Distribution transformer capacity (EDB owned)

151

Distribution transformer capacity (Non-EDB owned, estimated)

31

Total distribution transformer capacity

182

Zone substation transformer capacity

173

Company Name **Westpower Limited**For Year Ended **31 March 2018**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)

—

Class B (planned interruptions on the network)

98

Class C (unplanned interruptions on the network)

159

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

262

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

Class C interruptions restored within

90

69

SAIFI and SAIDI by class**SAIFI****SAIDI**

Class A (planned interruptions by Transpower)

—

—

Class B (planned interruptions on the network)

0.29

67.9

Class C (unplanned interruptions on the network)

2.45

423.7

Class D (unplanned interruptions by Transpower)

1.44

224.6

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

4.19

716.2

Normalised SAIFI and SAIDI**Normalised SAIFI****Normalised SAIDI**

Classes B & C (interruptions on the network)

2.41

217.9

Quality path normalised reliability limit**SAIFI reliability limit****SAIDI reliability limit**

SAIFI and SAIDI limits applicable to disclosure year*

n/a

n/a

* not applicable to exempt EDBs

Company Name **Westpower Limited**For Year Ended **31 March 2018**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	0.03	2.7
Vegetation	0.57	278.1
Adverse weather	0.71	82.6
Adverse environment	0.07	3.4
Third party interference	0.28	31.9
Wildlife	0.07	4.0
Human error	–	–
Defective equipment	0.44	10.0
Cause unknown	0.29	11.1

10(iii): Class B Interruptions and Duration by Main Equipment Involved**Main equipment involved****SAIFI****SAIDI**

Subtransmission lines	0.06	11.7
Subtransmission cables	–	–
Subtransmission other	–	–
Distribution lines (excluding LV)	0.23	56.2
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	0.87	208.0
Subtransmission cables	–	–
Subtransmission other	–	–
Distribution lines (excluding LV)	1.58	215.4
Distribution cables (excluding LV)	0.00	0.3
Distribution other (excluding LV)	–	–

10(v): Fault Rate**Main equipment involved**

	Number of Faults	Circuit length (km)	Fault rate (faults per 100km)
Subtransmission lines	17	260	6.54
Subtransmission cables	–	–	–
Subtransmission other	–	–	–
Distribution lines (excluding LV)	141	1,421	9.92
Distribution cables (excluding LV)	1	65	1.54
Distribution other (excluding LV)	–	–	–
Total	159		