



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

Company Name

[Westpower Limited](#)

Disclosure Date

[31 August 2017](#)

Disclosure Year (year ended)

[31 March 2017](#)

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 2017**

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	37,263	635	237,333	3,729	58,049
Network	21,340	364	135,917	2,136	33,244
Non-network	15,923	271	101,417	1,594	24,806
Expenditure on assets	7,986	136	50,861	799	12,440
Network	7,959	136	50,694	797	12,399
Non-network	26	0	167	3	41

1(ii): Revenue metrics

	Revenue per GWh energy delivered to ICPs (\$/GWh)	Revenue per average no. of ICPs (\$/ICP)
Total consumer line charge revenue	89,128	1,520
Standard consumer line charge revenue	89,128	1,520
Non-standard consumer line charge revenue	–	–

1(iii): Service intensity measures

Demand density	16	Maximum coincident system demand per km of circuit length (for supply) (kW/km)
Volume density	100	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	17,050	Total energy delivered to ICPs per average number of ICPs (kWh/ICP)

1(iv): Composition of regulatory income

	(\$000)	% of revenue
Operational expenditure	8,544	41.47%
Pass-through and recoverable costs excluding financial incentives and wash-ups	5,530	26.84%
Total depreciation	4,332	21.02%
Total revaluations	2,394	11.62%
Regulatory tax allowance	–	–
Regulatory profit/(loss) including financial incentives and wash-ups	4,593	22.29%
Total regulatory income	20,605	

1(v): Reliability

Interruption rate	10.96	Interruptions per 100 circuit km
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Company Name **Westpower Limited**
 For Year Ended **31 March 2017**

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 15 31 Mar 16 31 Mar 17
 % % %

1.27%	3.15%	3.81%
1.27%	3.15%	3.81%
1.27%	3.15%	3.81%
6.10%	5.37%	4.77%
5.39%	4.66%	4.05%
6.82%	6.09%	5.48%

2.05%	3.80%	4.35%
2.05%	3.80%	4.35%
2.05%	3.80%	4.35%

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6.89%	6.02%	5.31%
6.17%	5.30%	4.59%
7.60%	6.74%	6.03%

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

110,500	
(3,880)	
	106,620
	20,436
14,074	
1,733	
834	
(343)	
169	
	14,461
	—
109,461	
(0)	
—	
(4,223)	
	105,238

4.35%

44%

4.41%

28%

3.81%

Company Name **Westpower Limited**
 For Year Ended **31 March 2017**

SCHEDULE 2: REPORT ON RETURN ON INVESTMENT

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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	4.27%
Year-end ROI – comparable to a post tax WACC	3.73%

* 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 2017**

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		20,436
10	plus Gains / (losses) on asset disposals		(552)
11	plus Other regulated income (other than gains / (losses) on asset disposals)		721
12			
13	Total regulatory income		20,605
14	Expenses		
15	less Operational expenditure		8,544
16			
17	less Pass-through and recoverable costs excluding financial incentives and wash-ups		5,530
18			
19	Operating surplus / (deficit)		6,531
20			
21	less Total depreciation		4,332
22			
23	plus Total revaluations		2,394
24			
25	Regulatory profit / (loss) before tax		4,593
26			
27	less Term credit spread differential allowance		–
28			
29	less Regulatory tax allowance		–
30			
31	Regulatory profit/(loss) including financial incentives and wash-ups		4,593
32			
33	3(ii): Pass-through and Recoverable Costs excluding Financial Incentives and Wash-Ups		(\$000)
34	Pass through costs		
35	Rates	128	
36	Commerce Act levies	30	
37	Industry levies	59	
38	CPP specified pass through costs		
39	Recoverable costs excluding financial incentives and wash-ups		
40	Electricity lines service charge payable to Transpower	2,517	
41	Transpower new investment contract charges		
42	System operator services		
43	Distributed generation allowance	2,796	
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		5,530
47			

Company Name **Westpower Limited**
 For Year Ended **31 March 2017**

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 16	CY 31 Mar 17
48	3(iii): Incremental Rolling Incentive Scheme		
49			
50			
51	Allowed controllable opex		
52	Actual controllable opex		
53			
54	Incremental change in year		
55			
		Previous years' incremental change	Previous years' incremental change adjusted for inflation
56			
57	CY-5 31 Mar 12		
58	CY-4 31 Mar 13		
59	CY-3 31 Mar 14		
60	CY-2 31 Mar 15		
61	CY-1 31 Mar 16		
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 2017****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 13 (\$000)	RAB 31 Mar 14 (\$000)	RAB 31 Mar 15 (\$000)	RAB 31 Mar 16 (\$000)	RAB 31 Mar 17 (\$000)
Total opening RAB value	113,746	114,505	114,618	112,420	110,500
less Total depreciation	4,022	4,135	4,261	4,320	4,332
plus Total revaluations	975	1,753	96	660	2,394
plus Assets commissioned	4,022	2,695	2,062	2,165	1,733
less Asset disposals	216	200	95	425	834
plus Lost and found assets adjustment					—
plus Adjustment resulting from asset allocation					(0)
Total closing RAB value	114,505	114,618	112,420	110,500	109,461

4(ii): Unallocated Regulatory Asset Base

	Unallocated RAB *	RAB
	(\$000)	(\$000)
Total opening RAB value	110,500	110,500
less Total depreciation	4,332	4,332
plus Total revaluations	2,394	2,394
plus Assets commissioned (other than below)	56	56
Assets acquired from a regulated supplier		
Assets acquired from a related party	1,677	1,677
Assets commissioned	1,733	1,733
less Asset disposals (other than below)	834	834
Asset disposals to a regulated supplier		
Asset disposals to a related party		
Asset disposals	834	834
plus Lost and found assets adjustment		
plus Adjustment resulting from asset allocation		(0)
Total closing RAB value	109,461	109,461

* 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.

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.

51

CPI₄
$$\text{CPI}_4^{-4}$$

Revaluation rate (%)

1,226

1,200

2.17%

Unallocated RAB *

RAB

(\$000)

(\$000)

(\$000)

(\$000)

Total opening RAB value

110,500

110,500

less Opening value of fully depreciated, disposed and lost assets

Total opening RAB value subject to revaluation

110,500

110,500

Total revaluations

	2,394
--	-------

2,394

Unallocated works under

construction

Allocated works under construction

Works under construction—preceding disclosure year

180

180

plus Capital expenditure

1,831

1,831

less Assets commissioned

1,733

1,733

plus Adjustment resulting from asset allocation

Works under construction - current disclosure year

278

278

Highest rate of capitalised finance applied

Company Name **Westpower Limited**
 For Year Ended **31 March 2017**

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)
3,757		3,757	
575		575	
	4,332		4,332

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	16,685		28,680	32,768	6,233	14,013	5,911	5,826	384	110,500
less Total depreciation	517		1,016	1,216	249	575	248	450	61	4,332
plus Total revaluations	362		621	710	135	304	128	126	8	2,394
plus Assets commissioned	454		180	358		290	165	280	6	1,733
less Asset disposals			721	66			47			834
plus Lost and found assets adjustment										-
plus Adjustment resulting from asset allocation										-
plus Asset category transfers										-
Total closing RAB value	16,984	-	27,744	32,554	6,119	14,032	5,909	5,782	337	109,461
Asset Life										
Weighted average remaining asset life	38.4		28.1	33.1	27.6	31.0	29.0	14.7	7.0	(years)
Weighted average expected total asset life	58.2		43.3	54.5	56.6	51.4	39.1	25.4	10.6	(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

5a(i): Regulatory Tax Allowance			(\$'000)
	Regulatory profit / (loss) before tax		4,593
<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	212	*
	Amortisation of initial differences in asset values	1,641	
	Amortisation of revaluations	356	
			2,209
<i>less</i>	Total revaluations	2,394	
	Income included in regulatory profit / (loss) before tax but not taxable		*
	Discretionary discounts and customer rebates	1,978	
	Expenditure or loss deductible but not in regulatory profit / (loss) before tax	104	*
	Notional deductible interest	2,025	
			6,501
	Regulatory taxable income		301
<i>less</i>	Utilised tax losses	301	
	Regulatory net taxable income		–
	Corporate tax rate (%)	28%	
	Regulatory tax allowance		–

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	44,298	
37	<i>less</i>	Amortisation of initial differences in asset values	1,641	
38	<i>plus</i>	Adjustment for unamortised initial differences in assets acquired		
39	<i>less</i>	Adjustment for unamortised initial differences in assets disposed	720	
40		Closing unamortised initial differences in asset values		41,937
41				
42		Opening weighted average remaining useful life of relevant assets (years)		27

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	101,853	
Adjusted depreciation	3,976	
Total depreciation	4,332	
Amortisation of revaluations		356

(\$000)

54	Opening tax losses		840	
55	plus	Current period tax losses		
56	less	Utilised tax losses	301	
57	Closing tax losses			539

(\$000)

60	Opening deferred tax		(3,880)
61			
62	<i>plus</i>	Tax effect of adjusted depreciation	1,113
63			
64	<i>less</i>	Tax effect of tax depreciation	1,041
65			
66	<i>plus</i>	Tax effect of other temporary differences*	(30)
67			
68	<i>less</i>	Tax effect of amortisation of initial differences in asset values	459
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	(75)
73			
74	<i>plus</i>	Deferred tax cost allocation adjustment	0
75			
76	Closing deferred tax		(4,223)

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	Opening sum of regulatory tax asset values		41,357	
84	<i>less</i>	Tax depreciation	3,719	
85	<i>plus</i>	Regulatory tax asset value of assets commissioned	1,734	
86	<i>less</i>	Regulatory tax asset value of asset disposals	567	
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			38,800

Company Name **Westpower Limited**
For Year Ended **31 March 2017**

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	7,437
Capital expenditure	1,765
Market value of asset disposals	
Other related party transactions	800

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

Name of related party	Related party relationship
ElectroNet Services Limited	Wholly owned subsidiary of Westpower Limited
Mitton Electronet Limited	Wholly owned subsidiary of ElectroNet Services Limited
Amethyst Hydro Limited	Wholly 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	3,778	ID clause 2.3.6(1)(b)
ElectroNet Services Limited	Opex	Maintenance Programme - Repairs	212	ID clause 2.3.6(1)(b)
ElectroNet Services Limited	Opex	Maintenance Programme - Faults	571	ID clause 2.3.6(1)(b)
ElectroNet Services Limited	Opex	System Operations & Network Support	2,158	ID clause 2.3.6(1)(b)
ElectroNet Services Limited	Opex	Business Support	650	ID clause 2.3.6(1)(b)
ElectroNet Services Limited	Capex	Subtransmission Lines	397	IM clause 2.2.11(5)(g)
ElectroNet Services Limited	Capex	Zone Substations	177	IM clause 2.2.11(5)(g)
ElectroNet Services Limited	Capex	Distribution Lines and Cables	382	IM clause 2.2.11(5)(g)
ElectroNet Services Limited	Capex	Medium Voltage Switchgear	292	IM clause 2.2.11(5)(g)
ElectroNet Services Limited	Capex	Distribution Transformers	213	IM clause 2.2.11(5)(g)
ElectroNet Services Limited	Capex	Distribution Substations	67	IM clause 2.2.11(5)(g)
ElectroNet Services Limited	Capex	Low Voltage Lines and Cables	109	IM clause 2.2.11(5)(g)
ElectroNet Services Limited	Capex	SCADA Comms and Other Assets	128	IM clause 2.2.11(5)(g)
Mitton Electronet Limited	Opex	Maintenance Programme - Inspect, Services and Test	38	ID clause 2.3.6(1)(b)
Mitton Electronet Limited	Opex	Support	7	ID clause 2.3.6(1)(b)
Mitton Electronet Limited	Opex	Business Support	23	ID clause 2.3.6(1)(b)
Amethyst Hydro Limited	Opex	Avoided Cost of Transmission	800	ID clause 2.3.6(1)(c)(ii)

* include additional rows if needed

Company Name **Westpower Limited**
 For Year Ended **31 March 2017**

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 2017****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)				OVABAA allocation increase (\$000s)
		Arm's length deduction	Electricity distribution services	Non-electricity distribution services	Total	
7	Service interruptions and emergencies					
8	Directly attributable		575			
9	Not directly attributable				–	
10	Total attributable to regulated service		575			
11	Vegetation management					
12	Directly attributable		726			
13	Not directly attributable				–	
14	Total attributable to regulated service		726			
15	Routine and corrective maintenance and inspection					
16	Directly attributable		3,287			
17	Not directly attributable				–	
18	Total attributable to regulated service		3,287			
19	Asset replacement and renewal					
20	Directly attributable		305			
21	Not directly attributable				–	
22	Total attributable to regulated service		305			
23	System operations and network support					
24	Directly attributable		2,039			
25	Not directly attributable				–	
26	Total attributable to regulated service		2,039			
27	Business support					
28	Directly attributable		1,612			
29	Not directly attributable				–	
30	Total attributable to regulated service		1,612			
31	Operating costs directly attributable		8,544			
32	Operating costs not directly attributable	–	–	–	–	–
33	Operational expenditure		8,544			
34						
35						
36						
37						
38						

Company Name **Westpower Limited**
 For Year Ended **31 March 2017**

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

217

Not directly attributable

Total attributable to regulated service

217

Recoverable costs

Directly attributable

5,313

Not directly attributable

Total attributable to regulated service

5,313

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 2017**

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	16,984
Not directly attributable	
Total attributable to regulated service	16,984
Subtransmission cables	
Directly attributable	
Not directly attributable	
Total attributable to regulated service	–
Zone substations	
Directly attributable	27,744
Not directly attributable	
Total attributable to regulated service	27,744
Distribution and LV lines	
Directly attributable	32,554
Not directly attributable	
Total attributable to regulated service	32,554
Distribution and LV cables	
Directly attributable	6,119
Not directly attributable	
Total attributable to regulated service	6,119
Distribution substations and transformers	
Directly attributable	14,032
Not directly attributable	
Total attributable to regulated service	14,032
Distribution switchgear	
Directly attributable	5,909
Not directly attributable	
Total attributable to regulated service	5,909
Other network assets	
Directly attributable	5,782
Not directly attributable	
Total attributable to regulated service	5,782
Non-network assets	
Directly attributable	337
Not directly attributable	
Total attributable to regulated service	337
Regulated service asset value directly attributable	109,461
Regulated service asset value not directly attributable	–
Total closing RAB value	109,461

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 2017

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			97
9	System growth			267
10	Asset replacement and renewal			1,087
11	Asset relocations			–
12	Reliability, safety and environment:			
13	Quality of supply	212		
14	Legislative and regulatory	–		
15	Other reliability, safety and environment	162		
16	Total reliability, safety and environment			374
17	Expenditure on network assets			1,825
18	Expenditure on non-network assets			6
19				
20	Expenditure on assets			1,831
21	plus Cost of financing			
22	less Value of capital contributions			–
23	plus Value of vested assets			
24				
25	Capital expenditure			1,831
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			55
29	Research and development			
30	6a(iii): Consumer Connection			
31	<i>Consumer types defined by EDB*</i>		(\$000)	(\$000)
32	Cat 1 Domestic		54	
33	Cat 1 Non Domestic < 15kVA		10	
34	Cat 2 Non Domestic > 15 kVA		28	
35	Bulk Loads > 200 kVA		5	
36				
37	<i>* include additional rows if needed</i>			
38	Consumer connection expenditure			97
39				
40	less Capital contributions funding consumer connection expenditure			
41	Consumer connection less capital contributions			97
42	6a(iv): System Growth and Asset Replacement and Renewal			
43				
44				
45	Subtransmission			398
46	Zone substations			155
47	Distribution and LV lines			343
48	Distribution and LV cables			
49	Distribution substations and transformers	247		20
50	Distribution switchgear			79
51	Other network assets	20		92
52	System growth and asset replacement and renewal expenditure	267		1,087
53	less Capital contributions funding system growth and asset replacement and renewal			
54	System growth and asset replacement and renewal less capital contributions	267		1,087
55				
56	6a(v): Asset Relocations			
57	<i>Project or programme*</i>		(\$000)	(\$000)
58				
59				
60				
61				
62				
63	<i>* include additional rows if needed</i>			
64	All other projects or programmes - asset relocations			
65	Asset relocations expenditure			–
66	less Capital contributions funding asset relocations			
67	Asset relocations less capital contributions			–

Company Name

Westpower Limited

For Year Ended

31 March 2017

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

This schedule requires a breakdown of capital expenditure on assets incurred in the disclosure year, including any assets in respect of which capital contributions are received, but excluding assets that are vested assets. Information on expenditure on assets must be provided on an accounting accruals basis and must exclude finance costs. EDBs must provide explanatory comment on their expenditure on assets in Schedule 14 (Explanatory Notes to Templates).

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

sch ref

68			
69	6a(vi): Quality of Supply		
70	Project or programme*	(\$000)	(\$000)
71			
72			
73			
74			
75			
76	* include additional rows if needed		
77	All other projects programmes - quality of supply	212	
78	Quality of supply expenditure		212
79	less Capital contributions funding quality of supply		
80	Quality of supply less capital contributions		212
81	6a(vii): Legislative and Regulatory		
82	Project or programme*	(\$000)	(\$000)
83			
84			
85			
86			
87			
88	* include additional rows if needed		
89	All other projects or programmes - legislative and regulatory		
90	Legislative and regulatory expenditure		-
91	less Capital contributions funding legislative and regulatory		
92	Legislative and regulatory less capital contributions		-
93	6a(viii): Other Reliability, Safety and Environment		
94	Project or programme*	(\$000)	(\$000)
95	Recloser Relay Upgrade	89	
96			
97			
98			
99			
100	* include additional rows if needed		
101	All other projects or programmes - other reliability, safety and environment	73	
102	Other reliability, safety and environment expenditure		162
103	less Capital contributions funding other reliability, safety and environment		
104	Other reliability, safety and environment less capital contributions		162
105			
106	6a(ix): Non-Network Assets		
107	Routine expenditure		
108	Project or programme*	(\$000)	(\$000)
109	Software etc	6	
110			
111			
112			
113			
114	* include additional rows if needed		
115	All other projects or programmes - routine expenditure		
116	Routine expenditure		6
117	Atypical expenditure		
118	Project or programme*	(\$000)	(\$000)
119			
120			
121			
122			
123			
124	* include additional rows if needed		
125	All other projects or programmes - atypical expenditure		
126	Atypical expenditure		-
127			
128	Expenditure on non-network assets		6

Company Name

Westpower Limited

For Year Ended

31 March 2017

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	575	
9	Vegetation management	726	
10	Routine and corrective maintenance and inspection	3,287	
11	Asset replacement and renewal	305	
12	Network opex		4,893
13	System operations and network support	2,091	
14	Business support	1,560	
15	Non-network opex		3,651
16			
17	Operational expenditure		8,544
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		162
23	* Direct billing expenditure by suppliers that directly bill the majority of their consumers		

Company Name	Westpower Limited
For Year Ended	31 March 2017

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	20,821	20,436	(2%)
9	7(ii): Expenditure on Assets	Forecast (\$000) ²	Actual (\$000)	% variance
10	Consumer connection	98	97	(1%)
11	System growth	227	267	18%
12	Asset replacement and renewal	1,548	1,087	(30%)
13	Asset relocations	—	—	—
14	Reliability, safety and environment:			
15	Quality of supply	1,309	212	(84%)
16	Legislative and regulatory	—	—	—
17	Other reliability, safety and environment	323	162	(50%)
18	Total reliability, safety and environment	1,632	374	(77%)
19	Expenditure on network assets	3,505	1,825	(48%)
20	Expenditure on non-network assets		6	—
21	Expenditure on assets	3,505	1,831	(48%)
22	7(iii): Operational Expenditure			
23	Service interruptions and emergencies	496	575	16%
24	Vegetation management	600	726	21%
25	Routine and corrective maintenance and inspection	3,214	3,287	2%
26	Asset replacement and renewal	309	305	(1%)
27	Network opex	4,619	4,893	6%
28	System operations and network support	2,284	2,091	(8%)
29	Business support	1,733	1,560	(10%)
30	Non-network opex	4,017	3,651	(9%)
31	Operational expenditure	8,636	8,544	(1%)
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		55	—
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	200	162	(19%)
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	10,714	62,569
WP1N	Non-Domestic (Small)	Standard	1,839	16,702
WP2N	Non-Domestic (Medium)	Standard	852	54,108
C2F	Non-Domestic (Medium)	Standard	17	8,611
C3F	Non-domestic (Large)	Standard	22	33,354
C4F	Non-domestic (Large)	Standard	3	52,817
C5F	Non-domestic (Large)	Standard	1	1,127
Add extra rows for additional consumer groups or price category codes as necessary				
Standard consumer totals			13,448	229,288
Non-standard consumer totals			–	–
Total for all consumers			13,448	229,288

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
38,632,484	13,886,893	5,590,296	3,731,733	727,620		12,041,050	729,399	1,875,431	941,598
38,632,484	13,886,893	5,590,296	3,731,733	727,620	–	12,041,050	729,399	1,875,431	941,598
–	–	–	–	–	–	–	–	–	–
38,632,484	13,886,893	5,590,296	3,731,733	727,620	–	12,041,050	729,399	1,875,431	941,598

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	\$7,322	
WP1N	Non-Domestic (Small)	Standard	\$2,431	
WP2N	Non-Domestic (Medium)	Standard	\$5,990	
C2F	Non-Domestic (Medium)	Standard	\$681	
C3F	Non-domestic (Large)	Standard	\$2,867	
C4F	Non-domestic (Large)	Standard	\$796	
C5F	Non-domestic (Large)	Standard	\$349	
			–	
			–	
Add extra rows for additional consumer groups or price category codes as necessary				
Standard consumer totals			\$20,436	–
Non-standard consumer totals			–	–
Total for all consumers			\$20,436	–

Total distribution line charge revenue	Total transmission line charge revenue (if available)	Rate (eg, \$ per day, \$ per kWh, etc.)
\$6,005	\$1,317	
\$2,061	\$370	
\$4,996	\$994	
\$467	\$214	
\$1,399	\$1,468	
\$283	\$513	
\$154	\$195	
\$15,365	\$5,071	
–	–	
\$15,365	\$5,071	

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
\$4,841	\$1,036	\$818	\$20	\$21	\$586				
						\$1,494	\$54	\$270	\$5
\$4,841	\$1,036	\$818	\$20	\$21	\$586	\$1,494	\$54	\$270	\$5
–	–	–	–	–	–	–	–	–	–
\$4,841	\$1,036	\$818	\$20	\$21	\$586	\$1,494	\$54	\$270	\$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 2017
Network / Sub-Network Name	

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

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

Company Name **Westpower Limited**For Year Ended **31 March 2017**

Network / Sub-network Name

SCHEDULE 9a: ASSET REGISTER

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

sch ref

					Items at start of year (quantity)	Items at end of year (quantity)	Net change	Data accuracy (1-4)
sch ref	Voltage	Asset category	Asset class	Units				
8	All	Overhead Line	Concrete poles / steel structure	No.	14,117	14,204	87	4
9	All	Overhead Line	Wood poles	No.	5,965	5,927	(38)	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	(0)	4
13	HV	Subtransmission Cable	Subtransmission UG up to 66kV (XLPE)	km	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.	–	–	–	4
25	HV	Zone substation switchgear	50/66/110kV CB (Outdoor)	No.	15	15	–	4
26	HV	Zone substation switchgear	33kV Switch (Ground Mounted)	No.	–	–	–	4
27	HV	Zone substation switchgear	33kV Switch (Pole Mounted)	No.	65	65	–	4
28	HV	Zone substation switchgear	33kV RMU	No.	–	–	–	4
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.	15	16	1	4
33	HV	Zone Substation Transformer	Zone Substation Transformers	No.	25	25	–	4
34	HV	Distribution Line	Distribution OH Open Wire Conductor	km	1,500	1,501	1	1
35	HV	Distribution Line	Distribution OH Aerial Cable Conductor	km	1	1	–	4
36	HV	Distribution Line	SWER conductor	km				[Select one]
37	HV	Distribution Cable	Distribution UG XLPE or PVC	km	61	62	1	1
38	HV	Distribution Cable	Distribution UG PILC	km	8	8	(0)	4
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	76	–	3
41	HV	Distribution switchgear	3.3/6.6/11/22kV CB (Indoor)	No.	–	–	–	[Select one]
42	HV	Distribution switchgear	3.3/6.6/11/22kV Switches and fuses (pole mounted)	No.	694	681	(13)	3
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.	54	53	(1)	4
45	HV	Distribution Transformer	Pole Mounted Transformer	No.	2,189	2,170	(19)	3
46	HV	Distribution Transformer	Ground Mounted Transformer	No.	280	305	25	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	193	196	3	2
50	LV	LV Cable	LV UG Cable	km	183	192	9	2
51	LV	LV Street lighting	LV OH/UG Streetlight circuit	km			–	[Select one]
52	LV	Connections	OH/UG consumer service connections	No.	13,257	13,445	188	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.	13	12	(1)	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.

[illegible]

Company Name

Westpower Limited

For Year Ended

31 March 2017

Network / Sub-network Name

SCHEDULE 9c: REPORT ON OVERHEAD LINES AND UNDERGROUND CABLES

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

sch ref

9			
10	Circuit length by operating voltage (at year end)	Overhead (km)	Underground (km)
11	> 66kV	9	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)	1,501	70
17	Low voltage (< 1kV)	195	192
18	Total circuit length (for supply)	2,029	262
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	71%
26	Remote only	151	7%
27	Rugged only	257	13%
28	Remote and rugged	28	1%
29	Unallocated overhead lines	0	0%
30	Total overhead length	2,029	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 2017

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 2017**

Network / Sub-network Name

SCHEDULE 9e: REPORT ON NETWORK DEMAND

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

sch ref

9e(i): Consumer Connections

Number of ICPs connected in year by consumer type

Consumer types defined by EDB*

Consumer types defined by EDB*	Number of connections (ICPs)
WP1D Category 1 Domestic	10,751
WP1N Category 1 Non-Domestic (Small)	1,808
WP2N Category 2 Non-Domestic (Medium)	862
C2F Category 2 Time of Use (Medium)	17
C3F Category 3 Time of Use (Large)	22
C4F Category 4 Time of Use (Large)	2
C5F Category 5 Time of Use (Large)	1

* include additional rows if needed

Connections total

13,463

Distributed generation

Number of connections made in year

—

connections

Capacity of distributed generation installed in year

—

MVA

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

GXP demand

14

plus Distributed generation output at HV and above

22

Maximum coincident system demand

36

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

Demand on system for supply to consumers' connection points

36

Electricity volumes carried

Electricity supplied from GXPs

125

less Electricity exports to GXPs

48

plus Electricity supplied from distributed generation

173

less Net electricity supplied to (from) other EDBs

Electricity entering system for supply to consumers' connection points

249

less Total energy delivered to ICPs

229

Electricity losses (loss ratio)

20

8.0%

Load factor

0.79

9e(iii): Transformer Capacity

Distribution transformer capacity (EDB owned)

147

Distribution transformer capacity (Non-EDB owned, estimated)

31

Total distribution transformer capacity

178

Zone substation transformer capacity

168

Company Name **Westpower Limited**For Year Ended **31 March 2017**

Network / Sub-network Name

SCHEDULE 10: REPORT ON NETWORK RELIABILITY

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

sch ref

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

Class A (planned interruptions by Transpower)
 Class B (planned interruptions on the network)
 Class C (unplanned interruptions on the network)
 Class D (unplanned interruptions by Transpower)
 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)

2
96
150
2
1
251

Total**Interruption restoration**

≤3Hrs

>3hrs

Class C interruptions restored within

100	52
-----	----

SAIFI and SAIDI by class

SAIFI

SAIDI

Class A (planned interruptions by Transpower)
 Class B (planned interruptions on the network)
 Class C (unplanned interruptions on the network)
 Class D (unplanned interruptions by Transpower)
 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)

0.01	0.64
0.23	49.66
1.35	100.22
1.14	59.94
-	-
-	0.00
2.72	210.5

Total**Normalised SAIFI and SAIDI**

Normalised SAIFI

Normalised SAIDI

Classes B & C (interruptions on the network)

1.58	146.63
------	--------

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 2017**

Network / Sub-network Name

SCHEDULE 10: REPORT ON NETWORK RELIABILITY

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

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

Lightning	0.17	8.0
Vegetation	0.39	47.8
Adverse weather	0.26	8.8
Adverse environment	0.10	8.9
Third party interference	0.03	6.7
Wildlife	0.06	4.5
Human error	–	–
Defective equipment	0.15	11.7
Cause unknown	0.19	3.9

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

Subtransmission lines		
Subtransmission cables		
Subtransmission other		
Distribution lines (excluding LV)	0.23	49.7
Distribution cables (excluding LV)		
Distribution other (excluding LV)		

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

Subtransmission lines	0.60	28.2
Subtransmission cables	–	–
Subtransmission other	–	–
Distribution lines (excluding LV)	0.75	71.3
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	13	260	5.00
Subtransmission cables	–	–	–
Subtransmission other	–	–	–
Distribution lines (excluding LV)	137	1,421	9.64
Distribution cables (excluding LV)	–	65	–
Distribution other (excluding LV)	–	–	–
Total	150		