



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

Company Name	<input type="text" value="Westpower Limited"/>
Disclosure Date	<input type="text" value="31 August 2017"/>
Disclosure Year (year ended)	<input type="text" value="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

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

	Expenditure per GWh energy delivered to ICPs (\$/GWh)	Expenditure per average no. of ICPs (\$/ICP)	Expenditure per MW maximum coincident system demand (\$/MW)	Expenditure per km circuit length (\$/km)	Expenditure per MVA of capacity from EDB-owned distribution transformers (\$/MVA)
Operational expenditure	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

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

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

23 **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)

30 **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	

40 **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		CY-2	CY-1	Current Year CY
		31 Mar 15	31 Mar 16	31 Mar 17
		%	%	%
7	ROI – comparable to a post tax WACC			
8				
9	Reflecting all revenue earned	1.27%	3.15%	3.81%
10	Excluding revenue earned from financial incentives	1.27%	3.15%	3.81%
11	Excluding revenue earned from financial incentives and wash-ups	1.27%	3.15%	3.81%
12				
13				
14	Mid-point estimate of post tax WACC	6.10%	5.37%	4.77%
15	25th percentile estimate	5.39%	4.66%	4.05%
16	75th percentile estimate	6.82%	6.09%	5.48%
17				
18				
19	ROI – comparable to a vanilla WACC			
20	Reflecting all revenue earned	2.05%	3.80%	4.35%
21	Excluding revenue earned from financial incentives	2.05%	3.80%	4.35%
22	Excluding revenue earned from financial incentives and wash-ups	2.05%	3.80%	4.35%
23				
24	WACC rate used to set regulatory price path			
25				
26	Mid-point estimate of vanilla WACC	6.89%	6.02%	5.31%
27	25th percentile estimate	6.17%	5.30%	4.59%
28	75th percentile estimate	7.60%	6.74%	6.03%
29				
30	2(ii): Information Supporting the ROI			
31				
32	Total opening RAB value	110,500		
33	plus Opening deferred tax	(3,880)		
34	Opening RIV		106,620	
35				
36	Line charge revenue		20,436	
37				
38	Expenses cash outflow	14,074		
39	add Assets commissioned	1,733		
40	less Asset disposals	834		
41	add Tax payments	(343)		
42	less Other regulated income	169		
43	Mid-year net cash outflows		14,461	
44				
45	Term credit spread differential allowance		–	
46				
47	Total closing RAB value	109,461		
48	less Adjustment resulting from asset allocation	(0)		
49	less Lost and found assets adjustment	–		
50	plus Closing deferred tax	(4,223)		
51	Closing RIV		105,238	
52				
53	ROI – comparable to a vanilla WACC			4.35%
54				
55	Leverage (%)			44%
56	Cost of debt assumption (%)			4.41%
57	Corporate tax rate (%)			28%
58				
59	ROI – comparable to a post tax WACC			3.81%
60				

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

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

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

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

92			
93			
94	Year-end ROI – comparable to a vanilla WACC		4.27%
95			
96	Year-end ROI – comparable to a post tax WACC		3.73%
97			
98	* 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.		
99			

2(v): Financial Incentives and Wash-Ups

100			
101			
102	Net recoverable costs allowed under incremental rolling incentive scheme		-
103	Purchased assets – avoided transmission charge		
104	Energy efficiency and demand incentive allowance		
105	Quality incentive adjustment		
106	Other financial incentives		
107	Financial incentives		-
108			
109	Impact of financial incentives on ROI		-
110			
111	Input methodology claw-back		
112	Recoverable customised price-quality path costs		
113	Catastrophic event allowance		
114	Capex wash-up adjustment		
115	Transmission asset wash-up adjustment		
116	2013–2015 NPV wash-up allowance		
117	Reconsideration event allowance		
118	Other wash-ups		
119	Wash-up costs		-
120			
121	Impact of wash-up costs on ROI		-

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

sch ref		(\$000)
7	3(i): Regulatory Profit	
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)	(\$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.

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

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

CPI _t	1,226
CPI _{t-4}	1,200
Revaluation rate (%)	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

4(iv): Roll Forward of Works Under Construction

	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

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 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

76 4(v): Regulatory Depreciation

	Unallocated RAB *		RAB	
	(\$000)	(\$000)	(\$000)	(\$000)
79 Depreciation - standard	3,757		3,757	
80 Depreciation - no standard life assets	575		575	
81 Depreciation - modified life assets				
82 Depreciation - alternative depreciation in accordance with CPP				
83 Total depreciation		4,332		4,332

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

(\$000 unless otherwise specified)

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

* include additional rows if needed

96 4(vii): Disclosure by Asset Category

(\$000 unless otherwise specified)

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

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

SCHEDULE 5a: REPORT ON REGULATORY TAX ALLOWANCE

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

sch ref

		(\$000)	
7	5a(i): Regulatory Tax Allowance		
8	Regulatory profit / (loss) before tax		4,593
9			
10	<i>plus</i> Income not included in regulatory profit / (loss) before tax but taxable		*
11	Expenditure or loss in regulatory profit / (loss) before tax but not deductible	212	*
12	Amortisation of initial differences in asset values	1,641	
13	Amortisation of revaluations	356	
14			2,209
15			
16	<i>less</i> Total revaluations	2,394	
17	Income included in regulatory profit / (loss) before tax but not taxable		*
18	Discretionary discounts and customer rebates	1,978	
19	Expenditure or loss deductible but not in regulatory profit / (loss) before tax	104	*
20	Notional deductible interest	2,025	
21			6,501
22			
23	Regulatory taxable income		301
24			
25	<i>less</i> Utilised tax losses	301	
26	Regulatory net taxable income		-
27			
28	Corporate tax rate (%)	28%	
29	Regulatory tax allowance		-

* Workings to be provided in Schedule 14

5a(ii): Disclosure of Permanent Differences

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

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

(\$000)

36	Opening unamortised initial differences in asset values	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
43			

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

SCHEDULE 5a: REPORT ON REGULATORY TAX ALLOWANCE

This schedule requires information on the calculation of the regulatory tax allowance. This information is used to calculate regulatory profit/loss in Schedule 3 (regulatory profit). EDBs must provide explanatory commentary on the information disclosed in this schedule, in Schedule 14 (Mandatory Explanatory Notes). This information is part of audited disclosure information (as defined in section 1.4 of the ID determination), and so is subject to the assurance report required by section 70.

sch ref

44	5a(iv): Amortisation of Revaluations		(\$000)
45			
46	Opening sum of RAB values without revaluations	101,853	
47			
48	Adjusted depreciation	3,976	
49	Total depreciation	4,332	
50	Amortisation of revaluations		356
51			
52	5a(v): Reconciliation of Tax Losses		(\$000)
53			
54	Opening tax losses	840	
55	plus Current period tax losses		
56	less Utilised tax losses	301	
57	Closing tax losses		539
58			
59	5a(vi): Calculation of Deferred Tax Balance		(\$000)
60			
61	Opening deferred tax	(3,880)	
62	plus Tax effect of adjusted depreciation	1,113	
63			
64	less Tax effect of tax depreciation	1,041	
65			
66	plus Tax effect of other temporary differences*	(30)	
67			
68	less Tax effect of amortisation of initial differences in asset values	459	
69			
70	plus Deferred tax balance relating to assets acquired in the disclosure year	-	
71			
72	less Deferred tax balance relating to assets disposed in the disclosure year	(75)	
73			
74	plus Deferred tax cost allocation adjustment	0	
75			
76	Closing deferred tax		(4,223)
77			
78	5a(vii): Disclosure of Temporary Differences		
79	<i>In Schedule 14, Box 6, provide descriptions and workings of items recorded in the asterisked category in Schedule 5a(vi) (Tax effect of other temporary differences).</i>		
80			
81	5a(viii): Regulatory Tax Asset Base Roll-Forward		
82			(\$000)
83	Opening sum of regulatory tax asset values	41,357	
84	less Tax depreciation	3,719	
85	plus Regulatory tax asset value of assets commissioned	1,734	
86	less Regulatory tax asset value of asset disposals	567	
87	plus Lost and found assets adjustment		
88	plus Adjustment resulting from asset allocation		
89	plus Other adjustments to the RAB tax value		
90	Closing sum of regulatory tax asset values		38,805

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

		Value allocated (\$000s)				
		Arm's length deduction	Electricity distribution services	Non-electricity distribution services	Total	OVABAA allocation increase (\$000s)
7	5d(i): Operating Cost Allocations					
8						
9						
10	Service interruptions and emergencies					
11	Directly attributable		575			
12	Not directly attributable				-	
13	Total attributable to regulated service		575			
14	Vegetation management					
15	Directly attributable		726			
16	Not directly attributable				-	
17	Total attributable to regulated service		726			
18	Routine and corrective maintenance and inspection					
19	Directly attributable		3,287			
20	Not directly attributable				-	
21	Total attributable to regulated service		3,287			
22	Asset replacement and renewal					
23	Directly attributable		305			
24	Not directly attributable				-	
25	Total attributable to regulated service		305			
26	System operations and network support					
27	Directly attributable		2,039			
28	Not directly attributable				-	
29	Total attributable to regulated service		2,039			
30	Business support					
31	Directly attributable		1,612			
32	Not directly attributable				-	
33	Total attributable to regulated service		1,612			
34						
35	Operating costs directly attributable		8,544			
36	Operating costs not directly attributable	-	-	-	-	-
37	Operational expenditure		8,544			
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

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

		(\$000)
40	Pass through and recoverable costs	
41	Pass through costs	
42	Directly attributable	217
43	Not directly attributable	
44	Total attributable to regulated service	217
45	Recoverable costs	
46	Directly attributable	5,313
47	Not directly attributable	
48	Total attributable to regulated service	5,313

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

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

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

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

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

Company Name **Westpower Limited**
 For Year Ended **31 March 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 allocator or line items			
New allocator or line items			
		-	-
Rationale for change			
Change in asset value allocation 2			
Asset category			
Original allocator or line items			
New allocator or line items			
		-	-
Rationale for change			
Change in asset value allocation 3			
Asset category			
Original allocator or line items			
New allocator or line items			
		-	-
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			System Growth	Asset Replacement and Renewal
44			(\$000)	(\$000)
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

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
		Standard consumer totals	13,448	229,288
		Non-standard consumer totals	-	-
		Total for all consumers	13,448	229,288

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

Billed quantities by price component

Price component	Domestic 24h (D)	Domestic Controlled (DC)	Domestic Economy Day (DD)	Domestic Economy Night (DE)	Domestic Night Only (DN)	Domestic Fixed Charge (WP1D)	Category 1 Non-Domestic 24hr (N)	Category 1 Non-Domestic Controlled (NC)	Category 1 Non-Domestic Economy Day (ND)	Category 1 Non-Domestic Economy Night (NE)
	kWh	kWh	kWh	kWh	kWh	kWh	kWh	kWh	kWh	kWh
	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

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	
			-	
			-	
			-	
		Standard consumer totals	\$20,436	-
		Non-standard consumer totals	-	-
		Total for all consumers	\$20,436	-

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

Line charge revenues (\$000) by price component

Price component	Domestic 24h (D)	Domestic Controlled (DC)	Domestic Economy Day (DD)	Domestic Economy Night (DE)	Domestic Night Only (DN)	Domestic Fixed Charge (WP1D)	Category 1 Non-Domestic 24hr (N)	Category 1 Non-Domestic Controlled (NC)	Category 1 Non-Domestic Economy Day (ND)	Category 1 Non-Domestic Economy Night (NE)
	kWh	kWh	kWh	kWh	kWh	kWh	kWh	kWh	kWh	kWh
	\$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

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	

8(iii): Number of ICPs directly billed

Number of directly billed ICPs at year end

Check

Company Name	Westpower Limited
For Year Ended	31 March 2017
Network / Sub-Network Name	

Category 1 Non Domestic Night Only (NW)	Streetlighting (SL)	Street Lighting Fixed Charge (WPSL)	Category 1 Non Domestic Fixed Charge (WP1N)	Category 2 Non Domestic 24 hr (U1)	Category 2 Non Domestic Controlled (U2)	Category 2 Non Domestic Economy Day (U3N)	Category 2 Non Domestic Economy Night (U3L)	Category 2 Non Domestic Night (U5)	Category 2 Fixed Distribution Charge (WP2N)	Category 2 Time of Use Metering Peak Charge (C2P)	Category 2 Time of Use Metering Fixed Annual Capacity Charge (C2F)	Category 3 Time of use Metering Peak Charge (C3P)	Category 3 Time of Use Metering Transpower Coincident Peak Charge (C3CP)	Category 3 Time of Use Metering Fixed Annual Capacity Charge (C3F)	Category 4 Time of Use Metering Peak Charge (C4P)	Category 4 Time of Use Metering 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 Coincident Peak Charge (C5CP)	Category 5 Time of Use Metering Fixed Annual Capacity Charge (C5F)
kWh	kWh	kWh	kWh	kWh	kWh	kWh	kWh	kWh	\$/kW/day	\$/kW/day	\$/kVa/day	\$/kW/day	\$/kW/day	\$/kVa/day	\$/kW/day	\$/kW/day	\$/kVa/day	\$/kW/day	\$/kW/day	\$/kVa/day
24,380	1,090,222			27,677,823	2,631,800	15,667,454	8,097,821	33,428			8,610,698		33,353,584							
															52,817,215				1,126,965	
24,380	1,090,222	--	--	27,677,823	2,631,800	15,667,454	8,097,821	33,428	--	8,610,698	--	33,353,584	--	--	52,817,215	--	--	--	1,126,965	--
--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
24,380	1,090,222	--	--	27,677,823	2,631,800	15,667,454	8,097,821	33,428	--	8,610,698	--	33,353,584	--	--	52,817,215	--	--	--	1,126,965	--

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

Category 1 Non Domestic Night Only (NW)	Streetlighting (SL)	Street Lighting Fixed Charge (WPSL)	Category 1 Non Domestic Fixed Charge (WP1N)	Category 2 Non Domestic 24 hr (U1)	Category 2 Non Domestic Controlled (U2)	Category 2 Non Domestic Economy Day (U3N)	Category 2 Non Domestic Economy Night (U3L)	Category 2 Non Domestic Night (U5)	Category 2 Fixed Distribution Charge (WP2N)	Category 2 Time of Use Metering Peak Charge (C2P)	Category 2 Time of Use Metering Fixed Annual Capacity Charge (C2F)	Category 3 Time of use Metering Peak Charge (C3P)	Category 3 Time of Use Metering Transpower Coincident Peak Charge (C3CP)	Category 3 Time of Use Metering Fixed Annual Capacity Charge (C3F)	Category 4 Time of Use Metering Peak Charge (C4P)	Category 4 Time of Use Metering 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 Coincident Peak Charge (C5CP)	Category 5 Time of Use Metering Fixed Annual Capacity Charge (C5F)	
\$/kW/day	\$/kW/day	\$/day	\$/day	\$/kW/day	\$/kW/day	\$/kW/day	\$/kW/day	\$/kW/day	\$/kW/day	\$/kW/day	\$/kVa/day	\$/kW/day	\$/kW/day	\$/kVa/day	\$/kW/day	\$/kW/day	\$/kVa/day	\$/kW/day	\$/kW/day	\$/kVa/day	
\$1	\$67	\$68	\$472	\$2,954	\$95	\$1,818	\$19			\$1,104				\$604	\$77						
																\$613	\$1,089	\$1,165			
																\$141	\$421	\$234			
																			\$22	\$17	\$310
\$1	\$67	\$68	\$472	\$2,954	\$95	\$1,818	\$19	--	\$1,104	\$604	\$77	\$613	\$1,089	\$1,165	\$141	\$421	\$234	\$22	\$17	\$310	
--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	
\$1	\$67	\$68	\$472	\$2,954	\$95	\$1,818	\$19	--	\$1,104	\$604	\$77	\$613	\$1,089	\$1,165	\$141	\$421	\$234	\$22	\$17	\$310	

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

	Voltage	Asset category	Asset class	Units	Items at start of year (quantity)	Items at end of year (quantity)	Net change	Data accuracy (1-4)
8	All	Overhead Line	Concrete poles / steel structure	No.	14,117	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	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	0
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)		
22			254
23	Overhead circuit length by terrain (at year end)	(% 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		(% of total circuit length)	
33	Length of circuit within 10km of coastline or geothermal areas (where known)	867	38%
34		(% 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

	Demand at time of maximum coincident demand (MW)
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

	Energy (GWh)	
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

	(MVA)
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

8 **10(i): Interruptions**

9 **Interruptions by class**

	Number of interruptions
10 Class A (planned interruptions by Transpower)	2
11 Class B (planned interruptions on the network)	96
12 Class C (unplanned interruptions on the network)	150
13 Class D (unplanned interruptions by Transpower)	2
14 Class E (unplanned interruptions of EDB owned generation)	
15 Class F (unplanned interruptions of generation owned by others)	1
16 Class G (unplanned interruptions caused by another disclosing entity)	
17 Class H (planned interruptions caused by another disclosing entity)	
18 Class I (interruptions caused by parties not included above)	
19 Total	251

21 **Interruption restoration**

	≤3Hrs	>3hrs
22 Class C interruptions restored within	100	52

24 **SAIFI and SAIDI by class**

	SAIFI	SAIDI
25 Class A (planned interruptions by Transpower)	0.01	0.64
26 Class B (planned interruptions on the network)	0.23	49.66
27 Class C (unplanned interruptions on the network)	1.35	100.22
28 Class D (unplanned interruptions by Transpower)	1.14	59.94
29 Class E (unplanned interruptions of EDB owned generation)	-	-
30 Class F (unplanned interruptions of generation owned by others)	-	0.00
31 Class G (unplanned interruptions caused by another disclosing entity)		
32 Class H (planned interruptions caused by another disclosing entity)		
33 Class I (interruptions caused by parties not included above)		
34 Total	2.72	210.5

36 **Normalised SAIFI and SAIDI**

	Normalised SAIFI	Normalised SAIDI
37 Classes B & C (interruptions on the network)	1.58	146.63

39 **Quality path normalised reliability limit**

	SAIFI reliability limit	SAIDI reliability limit
40 SAIFI and SAIDI limits applicable to disclosure year*	n/a	n/a

41 * 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		