



**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 2018"/>
Disclosure Year (year ended)	<input type="text" value="31 March 2018"/>

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

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

**SCHEDULE 1: ANALYTICAL RATIOS**

This schedule calculates expenditure, revenue and service ratios from the information disclosed. The disclosed ratios may vary for reasons that are company specific and, as a result, must be interpreted with care. The Commerce Commission will publish a summary and analysis of information disclosed in accordance with the ID determination. This will include information disclosed in accordance with this and other schedules, and information disclosed under the other requirements of the determination. This information is part of audited disclosure information (as defined in section 1.4 of the ID determination), and so is subject to the assurance report required by section 2.8.

sch ref

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

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	91,822	1,534
Standard consumer line charge revenue	91,822	1,534
Non-standard consumer line charge revenue	-	-

23 **1(iii): Service intensity measures**

Demand density	18	Maximum coincident system demand per km of circuit length (for supply) (kW/km)
Volume density	98	Total energy delivered to ICPs per km of circuit length (for supply) (MWh/km)
Connection point density	6	Average number of ICPs per km of circuit length (for supply) (ICPs/km)
Energy intensity	16,701	Total energy delivered to ICPs per average number of ICPs (kWh/ICP)

30 **1(iv): Composition of regulatory income**

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

40 **1(v): Reliability**

Interruption rate	11.42	Interruptions per 100 circuit km
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Company Name **Westpower Limited**  
 For Year Ended **31 March 2018**

**SCHEDULE 2: REPORT ON RETURN ON INVESTMENT**

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

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

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sch ref

2(i): Return on Investment		CY-2	CY-1	Current Year CY
		31 Mar 16	31 Mar 17	31 Mar 18
		%	%	%
10	ROI – comparable to a post tax WACC			
11	Reflecting all revenue earned	3.15%	3.81%	3.21%
12	Excluding revenue earned from financial incentives	3.15%	3.81%	3.21%
13	Excluding revenue earned from financial incentives and wash-ups	3.15%	3.81%	3.21%
14	Mid-point estimate of post tax WACC	5.37%	4.77%	5.04%
15	25th percentile estimate	4.66%	4.05%	4.36%
16	75th percentile estimate	6.09%	5.48%	5.72%
19	ROI – comparable to a vanilla WACC			
20	Reflecting all revenue earned	3.80%	4.35%	3.80%
21	Excluding revenue earned from financial incentives	3.80%	4.35%	3.80%
22	Excluding revenue earned from financial incentives and wash-ups	3.80%	4.35%	3.80%
24	WACC rate used to set regulatory price path			
26	Mid-point estimate of vanilla WACC	6.02%	5.31%	5.60%
27	25th percentile estimate	5.30%	4.59%	4.92%
28	75th percentile estimate	6.74%	6.03%	6.29%
30	2(ii): Information Supporting the ROI	(\$000)		
32	Total opening RAB value	109,461		
33	<i>plus</i> Opening deferred tax	(4,223)		
34	Opening RIV		105,238	
36	Line charge revenue		20,743	
38	Expenses cash outflow	14,035		
39	<i>add</i> Assets commissioned	1,538		
40	<i>less</i> Asset disposals	69		
41	<i>add</i> Tax payments	(218)		
42	<i>less</i> Other regulated income	639		
43	Mid-year net cash outflows		14,647	
45	Term credit spread differential allowance		–	
47	Total closing RAB value	107,704		
48	<i>less</i> Adjustment resulting from asset allocation	(0)		
49	<i>less</i> Lost and found assets adjustment	–		
50	<i>plus</i> Closing deferred tax	(4,604)		
51	Closing RIV		103,100	
53	ROI – comparable to a vanilla WACC			3.80%
55	Leverage (%)			44%
56	Cost of debt assumption (%)			4.80%
57	Corporate tax rate (%)			28%
59	ROI – comparable to a post tax WACC			3.21%

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 For Year Ended **31 March 2018**

**SCHEDULE 2: REPORT ON RETURN ON INVESTMENT**

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

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sch ref

**2(iii): Information Supporting the Monthly ROI**

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	<b>Total</b>	-	-	-	-	-	-	-
80								
81	Tax payments							N/A
82								
83	Term credit spread differential allowance							N/A
84								
85	Closing RIV							N/A
86								
87								
88	Monthly ROI – comparable to a vanilla WACC							N/A
89								
90	Monthly ROI – comparable to a post tax WACC							N/A
91								

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

94	Year-end ROI – comparable to a vanilla WACC	3.73%
95		
96	Year-end ROI – comparable to a post tax WACC	3.14%
97		

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

**2(v): Financial Incentives and Wash-Ups**

102	Net recoverable costs allowed under incremental rolling incentive scheme	-
103	Purchased assets – avoided transmission charge	
104	Energy efficiency and demand incentive allowance	
105	Quality incentive adjustment	
106	Other financial incentives	
107	<b>Financial incentives</b>	-
108		
109	<b>Impact of financial incentives on ROI</b>	-
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	<b>Wash-up costs</b>	-
120		
121	<b>Impact of wash-up costs on ROI</b>	-

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

**SCHEDULE 3: REPORT ON REGULATORY PROFIT**

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

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

sch ref

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

Company Name **Westpower Limited**  
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**SCHEDULE 3: REPORT ON REGULATORY PROFIT**

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

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sch ref

		(\$000)	
		CY-1	CY
		31 Mar 17	31 Mar 18
48	<b>3(iii): Incremental Rolling Incentive Scheme</b>		
49			
50			
51	Allowed controllable opex		
52	Actual controllable opex		
53			
54	Incremental change in year		
55			
		Previous years' incremental change	Previous years' incremental change adjusted for inflation
56			
57	CY-5 31 Mar 13		
58	CY-4 31 Mar 14		
59	CY-3 31 Mar 15		
60	CY-2 31 Mar 16		
61	CY-1 31 Mar 17		
62	<b>Net incremental rolling incentive scheme</b>		-
63			
64	<b>Net recoverable costs allowed under incremental rolling incentive scheme</b>		-
65	<b>3(iv): Merger and Acquisition Expenditure</b>		
70			(\$000)
66	Merger and acquisition expenditure		
67			
68	<i>Provide commentary on the benefits of merger and acquisition expenditure to the electricity distribution business, including required disclosures in accordance with section 2.7, in Schedule 14 (Mandatory Explanatory Notes)</i>		
69	<b>3(v): Other Disclosures</b>		
70			(\$000)
71	Self-insurance allowance		

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**SCHEDULE 4: REPORT ON VALUE OF THE REGULATORY ASSET BASE (ROLLED FORWARD)**

This schedule requires information on the calculation of the Regulatory Asset Base (RAB) value to the end of this disclosure year. This informs the ROI calculation in Schedule 2. EDBs must provide explanatory comment on the value of their RAB in Schedule 14 (Mandatory Explanatory Notes). This information is part of audited disclosure information (as defined in section 1.4 of the ID determination), and so is subject to the assurance report required by section 2.8.

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4(i): Regulatory Asset Base Value (Rolled Forward)		for year ended				
		RAB 31 Mar 14 (\$000)	RAB 31 Mar 15 (\$000)	RAB 31 Mar 16 (\$000)	RAB 31 Mar 17 (\$000)	RAB 31 Mar 18 (\$000)
	Total opening RAB value	114,505	114,618	112,420	110,500	109,461
	less Total depreciation	4,135	4,261	4,320	4,332	4,430
	plus Total revaluations	1,753	96	660	2,394	1,204
	plus Assets commissioned	2,695	2,062	2,165	1,733	1,538
	less Asset disposals	200	95	425	834	69
	plus Lost and found assets adjustment					-
	plus Adjustment resulting from asset allocation					(0)
	<b>Total closing RAB value</b>	<b>114,618</b>	<b>112,420</b>	<b>110,500</b>	<b>109,461</b>	<b>107,704</b>

4(ii): Unallocated Regulatory Asset Base		Unallocated RAB *		RAB	
		(\$000)	(\$000)	(\$000)	(\$000)
	Total opening RAB value		109,461		109,461
	less Total depreciation		4,430		4,430
	plus Total revaluations		1,204		1,204
	plus Assets commissioned (other than below)	74		74	
	Assets acquired from a regulated supplier	-			
	Assets acquired from a related party	1,464		1,464	
	<b>Assets commissioned</b>		1,538		1,538
	less Asset disposals (other than below)	69		69	
	Asset disposals to a regulated supplier				
	Asset disposals to a related party				
	<b>Asset disposals</b>		69		69
	plus Lost and found assets adjustment				
	plus Adjustment resulting from asset allocation				(0)
	<b>Total closing RAB value</b>		<b>107,704</b>		<b>107,704</b>

\* 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.



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**SCHEDULE 4: REPORT ON VALUE OF THE REGULATORY ASSET BASE (ROLLED FORWARD)**

This schedule requires information on the calculation of the Regulatory Asset Base (RAB) value to the end of this disclosure year. This informs the ROI calculation in Schedule 2. EDBs must provide explanatory comment on the value of their RAB in Schedule 14 (Mandatory Explanatory Notes). This information is part of audited disclosure information (as defined in section 1.4 of the ID determination), and so is subject to the assurance report required by section 2.8.

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

CPI <sub>t</sub>	1,011
CPI <sub>t-4</sub>	1,000
Revaluation rate (%)	1.10%

	Unallocated RAB *		RAB	
	(\$000)	(\$000)	(\$000)	(\$000)
Total opening RAB value	109,461		109,461	
less Opening value of fully depreciated, disposed and lost assets				
Total opening RAB value subject to revaluation	109,461		109,461	
<b>Total revaluations</b>		1,204		1,204

**4(iv): Roll Forward of Works Under Construction**

	Unallocated works under construction		Allocated works under construction	
<b>Works under construction—preceding disclosure year</b>		278		278
plus Capital expenditure	1,679		1,679	
less Assets commissioned	1,538		1,538	
plus Adjustment resulting from asset allocation				
<b>Works under construction - current disclosure year</b>		419		419

Highest rate of capitalised finance applied

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**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	3,835		3,835	
80 Depreciation - no standard life assets	595		595	
81 Depreciation - modified life assets				
82 Depreciation - alternative depreciation in accordance with CPP				
83 <b>Total depreciation</b>		4,430		4,430

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

(\$000 unless otherwise specified)

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

\* include additional rows if needed

96 **4(vii): Disclosure by Asset Category**

(\$000 unless otherwise specified)

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

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**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	<b>5a(i): Regulatory Tax Allowance</b>		
8	<b>Regulatory profit / (loss) before tax</b>		4,121
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	386	*
12	Amortisation of initial differences in asset values	1,613	
13	Amortisation of revaluations	454	
14			2,453
15			
16	<i>less</i> Total revaluations	1,204	
17	Income included in regulatory profit / (loss) before tax but not taxable		*
18	Discretionary discounts and customer rebates	1,992	
19	Expenditure or loss deductible but not in regulatory profit / (loss) before tax	86	*
20	Notional deductible interest	2,171	
21			5,453
22			
23	<b>Regulatory taxable income</b>		<b>1,121</b>
24			
25	<i>less</i> Utilised tax losses	539	
26	Regulatory net taxable income		582
27			
28	Corporate tax rate (%)	28%	
29	<b>Regulatory tax allowance</b>		<b>163</b>

\* 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	41,937	
37	<i>less</i> Amortisation of initial differences in asset values	1,613	
38	<i>plus</i> Adjustment for unamortised initial differences in assets acquired		
39	<i>less</i> Adjustment for unamortised initial differences in assets disposed	55	
40	Closing unamortised initial differences in asset values		40,269
41			
42	Opening weighted average remaining useful life of relevant assets (years)		26
43			

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**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	<b>5a(iv): Amortisation of Revaluations</b>		(\$000)
45			
46	Opening sum of RAB values without revaluations	98,777	
47			
48	Adjusted depreciation	3,976	
49	Total depreciation	4,430	
50	Amortisation of revaluations		454
51			
52	<b>5a(v): Reconciliation of Tax Losses</b>		(\$000)
53			
54	Opening tax losses	539	
55	plus Current period tax losses		
56	less Utilised tax losses	539	
57	Closing tax losses		-
58	<b>5a(vi): Calculation of Deferred Tax Balance</b>		(\$000)
59			
60	Opening deferred tax	(4,223)	
61			
62	plus Tax effect of adjusted depreciation	1,113	
63			
64	less Tax effect of tax depreciation	981	
65			
66	plus Tax effect of other temporary differences*	(81)	
67			
68	less Tax effect of amortisation of initial differences in asset values	452	
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	(19)	
73			
74	plus Deferred tax cost allocation adjustment	0	
75			
76	Closing deferred tax		(4,604)
77			
78	<b>5a(vii): Disclosure of Temporary Differences</b>		
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	<b>5a(viii): Regulatory Tax Asset Base Roll-Forward</b>		
82			(\$000)
83	Opening sum of regulatory tax asset values	38,805	
84	less Tax depreciation	3,505	
85	plus Regulatory tax asset value of assets commissioned	1,538	
86	less Regulatory tax asset value of asset disposals		
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		36,838

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 For Year Ended **31 March 2018**

**SCHEDULE 5b: REPORT ON RELATED PARTY TRANSACTIONS**

This schedule provides information on the valuation of related party transactions, in accordance with section 2.3.6 and 2.3.7 of the ID determination. This information is part of audited disclosure information (as defined in section 1.4 of the ID determination), and so is subject to the assurance report required by section 2.8.

sch ref

**5b(i): Summary—Related Party Transactions**

(\$000)

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

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

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

\* include additional rows if needed

**5b(iii): Related Party Transactions**

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

\* include additional rows if needed

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

**SCHEDULE 5c: REPORT ON TERM CREDIT SPREAD DIFFERENTIAL ALLOWANCE**

This schedule is only to be completed if, as at the date of the most recently published financial statements, the weighted average original tenor of the debt portfolio (both qualifying debt and non-qualifying debt) is greater than five years. This information is part of audited disclosure information (as defined in section 1.4 of the ID determination), and so is subject to the assurance report required by section 2.8.

sch ref

**5c(i): Qualifying Debt (may be Commission only)**

Issuing party	Issue date	Pricing date	Original tenor (in years)	Coupon rate (%)	Book value at issue date (NZD)	Book value at date of financial statements (NZD)	Term Credit Spread Difference	Cost of executing an interest rate swap	Debt issue cost readjustment
<i>* include additional rows if needed</i>						-	-	-	-

**5c(ii): Attribution of Term Credit Spread Differential**

<b>Gross term credit spread differential</b>					-
Total book value of interest bearing debt					
Leverage			44%		
Average opening and closing RAB values					
<b>Attribution Rate (%)</b>					-
<b>Term credit spread differential allowance</b>					-

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

**SCHEDULE 5d: REPORT ON COST ALLOCATIONS**

This schedule provides information on the allocation of operational costs. EDBs must provide explanatory comment on their cost allocation in Schedule 14 (Mandatory Explanatory Notes), including on the impact of any reclassifications. This information is part of audited disclosure information (as defined in section 1.4 of the ID determination), and so is subject to the assurance report required by section 2.8.

sch ref

		Value allocated (\$000s)				
		Arm's length deduction	Electricity distribution services	Non-electricity distribution services	Total	OVABAA allocation increase (\$000s)
7	<b>5d(i): Operating Cost Allocations</b>					
8						
9						
10	<b>Service interruptions and emergencies</b>					
11	Directly attributable		1,053			
12	Not directly attributable				-	
13	<b>Total attributable to regulated service</b>		1,053			
14	<b>Vegetation management</b>					
15	Directly attributable		573			
16	Not directly attributable				-	
17	<b>Total attributable to regulated service</b>		573			
18	<b>Routine and corrective maintenance and inspection</b>					
19	Directly attributable		3,023			
20	Not directly attributable				-	
21	<b>Total attributable to regulated service</b>		3,023			
22	<b>Asset replacement and renewal</b>					
23	Directly attributable		355			
24	Not directly attributable				-	
25	<b>Total attributable to regulated service</b>		355			
26	<b>System operations and network support</b>					
27	Directly attributable		1,686			
28	Not directly attributable		333	35	368	
29	<b>Total attributable to regulated service</b>		2,019			
30	<b>Business support</b>					
31	Directly attributable		1,425			
32	Not directly attributable		127	181	308	
33	<b>Total attributable to regulated service</b>		1,552			
34						
35	<b>Operating costs directly attributable</b>		8,115			
36	<b>Operating costs not directly attributable</b>	-	460	216	676	-
37	<b>Operational expenditure</b>		8,575			
38						

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

**SCHEDULE 5d: REPORT ON COST ALLOCATIONS**

This schedule provides information on the allocation of operational costs. EDBs must provide explanatory comment on their cost allocation in Schedule 14 (Mandatory Explanatory Notes), including on the impact of any reclassifications. This information is part of audited disclosure information (as defined in section 1.4 of the ID determination), and so is subject to the assurance report required by section 2.8.

sch ref

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

		(\$000)
<b>Pass through and recoverable costs</b>		
<b>Pass through costs</b>		
Directly attributable		213
Not directly attributable		
<b>Total attributable to regulated service</b>		213
<b>Recoverable costs</b>		
Directly attributable		5,247
Not directly attributable		
<b>Total attributable to regulated service</b>		5,247

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

		(\$000)	
		CY-1	Current Year (CY)
<b>Change in cost allocation 1</b>			
Cost category			
Original allocator or line items			
New allocator or line items			
		-	-
Rationale for change			

		(\$000)	
		CY-1	Current Year (CY)
<b>Change in cost allocation 2</b>			
Cost category			
Original allocator or line items			
New allocator or line items			
		-	-
Rationale for change			

		(\$000)	
		CY-1	Current Year (CY)
<b>Change in cost allocation 3</b>			
Cost category			
Original allocator or line items			
New allocator or line items			
		-	-
Rationale for change			

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



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

**SCHEDULE 5e: REPORT ON ASSET ALLOCATIONS**

This schedule requires information on the allocation of asset values. This information supports the calculation of the RAB value in Schedule 4. EDBs must provide explanatory comment on their cost allocation in Schedule 14 (Mandatory Explanatory Notes), including on the impact of any changes in asset allocations. This information is part of audited disclosure information (as defined in section 1.4 of the ID determination), and so is subject to the assurance report required by section 2.8.

sch ref

**5e(i): Regulated Service Asset Values**

		Value allocated (\$000s)
		Electricity distribution services
<b>Subtransmission lines</b>		
	Directly attributable	16,799
	Not directly attributable	
	<b>Total attributable to regulated service</b>	16,799
<b>Subtransmission cables</b>		
	Directly attributable	
	Not directly attributable	
	<b>Total attributable to regulated service</b>	-
<b>Zone substations</b>		
	Directly attributable	27,038
	Not directly attributable	
	<b>Total attributable to regulated service</b>	27,038
<b>Distribution and LV lines</b>		
	Directly attributable	31,926
	Not directly attributable	
	<b>Total attributable to regulated service</b>	31,926
<b>Distribution and LV cables</b>		
	Directly attributable	5,931
	Not directly attributable	
	<b>Total attributable to regulated service</b>	5,931
<b>Distribution substations and transformers</b>		
	Directly attributable	13,757
	Not directly attributable	
	<b>Total attributable to regulated service</b>	13,757
<b>Distribution switchgear</b>		
	Directly attributable	6,119
	Not directly attributable	
	<b>Total attributable to regulated service</b>	6,119
<b>Other network assets</b>		
	Directly attributable	5,686
	Not directly attributable	
	<b>Total attributable to regulated service</b>	5,686
<b>Non-network assets</b>		
	Directly attributable	448
	Not directly attributable	
	<b>Total attributable to regulated service</b>	448
	<b>Regulated service asset value directly attributable</b>	107,704
	<b>Regulated service asset value not directly attributable</b>	-
	<b>Total closing RAB value</b>	107,704

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

		(\$000)	
		CY-1	Current Year (CY)
<b>Change in asset value allocation 1</b>			
Asset category			
Original allocator or line items			
New allocator or line items			
		-	-
Rationale for change			
<b>Change in asset value allocation 2</b>			
Asset category			
Original allocator or line items			
New allocator or line items			
		-	-
Rationale for change			
<b>Change in asset value allocation 3</b>			
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 2018**

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

This schedule requires a breakdown of capital expenditure on assets incurred in the disclosure year, including any assets in respect of which capital contributions are received, but excluding assets that are vested assets. Information on expenditure on assets must be provided on an accounting accruals basis and must exclude finance costs. EDBs must provide explanatory comment on their expenditure on assets in Schedule 14 (Explanatory Notes to Templates). This information is part of audited disclosure information (as defined in section 1.4 of the ID determination), and so is subject to the assurance report required by section 2.8.

sch ref

7	<b>6a(i): Expenditure on Assets</b>		<b>(\$000)</b>	<b>(\$000)</b>
8	Consumer connection			93
9	System growth			158
10	Asset replacement and renewal			679
11	Asset relocations			32
12	Reliability, safety and environment:			
13	Quality of supply	382		
14	Legislative and regulatory	-		
15	Other reliability, safety and environment	158		
16	<b>Total reliability, safety and environment</b>			<b>540</b>
17	<b>Expenditure on network assets</b>			<b>1,502</b>
18	Expenditure on non-network assets			177
19				
20	<b>Expenditure on assets</b>			<b>1,679</b>
21	plus Cost of financing			
22	less Value of capital contributions			-
23	plus Value of vested assets			
24				
25	<b>Capital expenditure</b>			<b>1,679</b>
26	<b>6a(ii): Subcomponents of Expenditure on Assets (where known)</b>			<b>(\$000)</b>
27	Energy efficiency and demand side management, reduction of energy losses			
28	Overhead to underground conversion			12
29	Research and development			
30	<b>6a(iii): Consumer Connection</b>			
31	<i>Consumer types defined by EDB*</i>		<b>(\$000)</b>	<b>(\$000)</b>
32	Cat 1 Domestic		48	
33	Cat 1 Non Domestic < 15 kVA		9	
34	Cat 2 Non Domestic > 15 kVA		16	
35	Bulk Loads > 200 kVA		4	
36	Other		16	
37	<i>* include additional rows if needed</i>			
38	<b>Consumer connection expenditure</b>			<b>93</b>
39				
40	less Capital contributions funding consumer connection expenditure			
41	<b>Consumer connection less capital contributions</b>			<b>93</b>
42	<b>6a(iv): System Growth and Asset Replacement and Renewal</b>			
43			<b>System Growth</b>	<b>Asset Replacement and Renewal</b>
44			<b>(\$000)</b>	<b>(\$000)</b>
45	Subtransmission			154
46	Zone substations			22
47	Distribution and LV lines			330
48	Distribution and LV cables			
49	Distribution substations and transformers	143		34
50	Distribution switchgear			69
51	Other network assets	15		70
52	<b>System growth and asset replacement and renewal expenditure</b>	<b>158</b>		<b>679</b>
53	less Capital contributions funding system growth and asset replacement and renewal			
54	<b>System growth and asset replacement and renewal less capital contributions</b>	<b>158</b>		<b>679</b>
55				
56	<b>6a(v): Asset Relocations</b>			
57	<i>Project or programme*</i>		<b>(\$000)</b>	<b>(\$000)</b>
58				
59				
60				
61				
62				
63	<i>* include additional rows if needed</i>			
64	All other projects or programmes - asset relocations		32	
65	<b>Asset relocations expenditure</b>			<b>32</b>
66	less Capital contributions funding asset relocations			
67	<b>Asset relocations less capital contributions</b>			<b>32</b>

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

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

This schedule requires a breakdown of capital expenditure on assets incurred in the disclosure year, including any assets in respect of which capital contributions are received, but excluding assets that are vested assets. Information on expenditure on assets must be provided on an accounting accruals basis and must exclude finance costs. EDBs must provide explanatory comment on their expenditure on assets in Schedule 14 (Explanatory Notes to Templates). This information is part of audited disclosure information (as defined in section 1.4 of the ID determination), and so is subject to the assurance report required by section 2.8.

sch ref

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

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

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

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

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

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

sch ref

		(\$000)	(\$000)
7	<b>6b(i): Operational Expenditure</b>		
8	Service interruptions and emergencies	1,053	
9	Vegetation management	573	
10	Routine and corrective maintenance and inspection	3,023	
11	Asset replacement and renewal	355	
12	<b>Network opex</b>		5,004
13	System operations and network support	2,019	
14	Business support	1,552	
15	<b>Non-network opex</b>		3,571
16			
17	<b>Operational expenditure</b>		8,575
18	<b>6b(ii): Subcomponents of Operational Expenditure (where known)</b>		
19	Energy efficiency and demand side management, reduction of energy losses		
20	Direct billing*		
21	Research and development		
22	Insurance		169
23	* Direct billing expenditure by suppliers that directly bill the majority of their consumers		

Company Name	Westpower Limited
For Year Ended	31 March 2018

## SCHEDULE 7: COMPARISON OF FORECASTS TO ACTUAL EXPENDITURE

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

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

sch ref

7	<b>7(i): Revenue</b>	Target (\$000) <sup>1</sup>	Actual (\$000)	% variance
8	Line charge revenue	20,714	20,743	0%
9	<b>7(ii): Expenditure on Assets</b>	Forecast (\$000) <sup>2</sup>	Actual (\$000)	% variance
10	Consumer connection	98	93	(5%)
11	System growth	227	158	(30%)
12	Asset replacement and renewal	1,180	679	(42%)
13	Asset relocations		32	–
14	Reliability, safety and environment:			
15	Quality of supply	806	382	(53%)
16	Legislative and regulatory	20	–	(100%)
17	Other reliability, safety and environment	258	158	(39%)
18	<b>Total reliability, safety and environment</b>	1,084	540	(50%)
19	<b>Expenditure on network assets</b>	2,589	1,502	(42%)
20	Expenditure on non-network assets		177	–
21	Expenditure on assets	2,589	1,679	(35%)
22	<b>7(iii): Operational Expenditure</b>			
23	Service interruptions and emergencies	496	1,053	112%
24	Vegetation management	600	573	(5%)
25	Routine and corrective maintenance and inspection	3,334	3,023	(9%)
26	Asset replacement and renewal	302	355	18%
27	<b>Network opex</b>	4,732	5,004	6%
28	System operations and network support	2,260	2,019	(11%)
29	Business support	1,594	1,552	(3%)
30	<b>Non-network opex</b>	3,854	3,571	(7%)
31	<b>Operational expenditure</b>	8,586	8,575	(0%)
32	<b>7(iv): Subcomponents of Expenditure on Assets (where known)</b>			
33	Energy efficiency and demand side management, reduction of energy losses		–	–
34	Overhead to underground conversion		12	–
35	Research and development		–	–
36				
37	<b>7(v): Subcomponents of Operational Expenditure (where known)</b>			
38	Energy efficiency and demand side management, reduction of energy losses		–	–
39	Direct billing		–	–
40	Research and development		–	–
41	Insurance	160	169	6%

<sup>1</sup> From the nominal dollar target revenue for the disclosure year disclosed under clause 2.4.3(3) of this determination

<sup>2</sup> From the CY+1 nominal dollar expenditure forecasts disclosed in accordance with clause 2.6.6 for the forecast period starting at the beginning of the disclosure year (the second to last disclosure of Schedules 11a and 11b)

**SCHEDULE 8: REPORT ON BILLED QUANTITIES AND LINE CHARGE REVENUES**

This schedule requires the billed quantities and associated line charge revenues for each price category code used by the 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	10,807	60,886
WP1N	Non-Domestic (Small)	Standard	1,810	17,596
WP2N	Non-Domestic (Medium)	Standard	867	54,040
C2F	Non-Domestic (Medium)	Standard	17	8,931
C3F	Non-domestic (Large)	Standard	22	31,807
C4F	Non-domestic (Large)	Standard	2	51,305
C5F	Non-domestic (Large)	Standard	1	1,339
Standard consumer totals			13,526	225,904
Non-standard consumer totals			-	-
Total for all consumers			13,526	225,904

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

Price component	Billed quantities by price component									
	Domestic 24h (D)	Domestic Controlled (DC)	Domestic Economy Day (DD)	Domestic Economy Night (DE)	Domestic Night Only (DN)	Domestic Fixed Charge (WP1D)	Category 1 Non Domestic 24hr (N)	Category 1 Non Domestic Controlled (NC)	Category 1 Non Domestic Economy Day (ND)	Category 1 Non Domestic Economy Night (NE)
	kWh	kWh	kWh	kWh	kWh	kWh	kWh	kWh	kWh	kWh
	37,868,664	13,359,345	5,359,214	3,536,988	761,720	-	12,033,429	732,289	1,908,951	931,574
	37,868,664	13,359,345	5,359,214	3,536,988	761,720	-	12,033,429	732,289	1,908,951	931,574
	-	-	-	-	-	-	-	-	-	-
	37,868,664	13,359,345	5,359,214	3,536,988	761,720	-	12,033,429	732,289	1,908,951	931,574

**8(ii): Line Charge Revenues (\$000) by Price Component**

Consumer group name or price category code	Consumer type or types (eg, residential, commercial etc.)	Standard or non-standard consumer group (specify)	Total line charge revenue in disclosure year	Notional revenue foregone from posted discounts (if applicable)
WP1D	Domestic	Standard	\$7,360	
WP1N	Non-Domestic (Small)	Standard	\$2,545	
WP2N	Non-Domestic (Medium)	Standard	\$6,246	
C2F	Non-Domestic (Medium)	Standard	\$707	
C3F	Non-domestic (Large)	Standard	\$2,612	
C4F	Non-domestic (Large)	Standard	\$915	
C5F	Non-domestic (Large)	Standard	\$358	
			-	
			-	
			-	
Standard consumer totals			\$20,743	-
Non-standard consumer totals			-	-
Total for all consumers			\$20,743	-

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

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

Price component	Line charge revenues (\$000) by price component									
	Domestic 24h (D)	Domestic Controlled (DC)	Domestic Economy Day (DD)	Domestic Economy Night (DE)	Domestic Night Only (DN)	Domestic Fixed Charge (WP1D)	Category 1 Non Domestic 24hr (N)	Category 1 Non Domestic Controlled (NC)	Category 1 Non Domestic Economy Day (ND)	Category 1 Non Domestic Economy Night (NE)
	kWh	kWh	kWh	kWh	kWh	kWh	kWh	kWh	kWh	kWh
	\$4,891	\$1,027	\$807	\$20	\$22	\$593	\$1,529	\$55	\$283	\$5
	\$4,891	\$1,027	\$807	\$20	\$22	\$593	\$1,529	\$55	\$283	\$5
	-	-	-	-	-	-	-	-	-	-
	\$4,891	\$1,027	\$807	\$20	\$22	\$593	\$1,529	\$55	\$283	\$5

**8(iii): Number of ICPs directly billed**

Number of directly billed ICPs at year end

Check

Company Name	Westpower Limited
For Year Ended	31 March 2018
Network / Sub-Network Name	Westpower

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 Transpower Coincident Peak Charge (C4CP)	Category 4 Time of Use Metering Fixed Annual Capacity Charge (C4F)	Category 5 Time of Use Metering Peak Charge (C5P)	Category 5 Time of Use Metering Transpower Coincident Peak Charge (C5CP)	Category 5 Time of Use Metering Fixed Annual Capacity Charge (C5F)
kWh	kWh	kWh	kWh	kWh	kWh	kWh	kWh	kWh	\$/kW/day	\$/kW/day	\$/kVa/day	\$/kW/day	\$/kW/day	\$/kVa/day	\$/kW/day	\$/kW/day	\$/kVa/day	\$/kW/day	\$/kW/day	\$/kVa/day
18,116	1,971,149			28,208,920	2,268,013	15,754,937	7,670,314	137,875		8,931,275				31,806,740						
															51,305,174				1,338,964	
18,116	1,971,149	--	--	28,208,920	2,268,013	15,754,937	7,670,314	137,875	--	8,931,275	--	--	--	31,806,740	--	--	--	--	1,338,964	--
--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
18,116	1,971,149	--	--	28,208,920	2,268,013	15,754,937	7,670,314	137,875	--	8,931,275	--	--	--	31,806,740	--	--	--	--	1,338,964	--

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 Transpower Coincident Peak Charge (C4CP)	Category 4 Time of Use Metering Fixed Annual Capacity Charge (C4F)	Category 5 Time of Use Metering Peak Charge (C5P)	Category 5 Time of Use Metering Transpower Coincident Peak Charge (C5CP)	Category 5 Time of Use Metering Fixed Annual Capacity Charge (C5F)	
kWh	kWh	\$/day	\$/day	kWh	kWh	kWh	kWh	kWh	\$/kW/day	\$/kW/day	\$/kVa/day	\$/kW/day	\$/kW/day	\$/kVa/day	\$/kW/day	\$/kW/day	\$/kVa/day	\$/kW/day	\$/kW/day	\$/kVa/day	
\$1	\$126	\$78	\$468	\$3,102	\$83	\$1,878	\$25	\$1	\$1,157												
										\$626	\$81										
												\$620	\$812	\$1,180				\$134	\$547	\$234	
																			\$23	\$19	\$316
\$1	\$126	\$78	\$468	\$3,102	\$83	\$1,878	\$25	\$1	\$1,157	\$626	\$81	\$620	\$812	\$1,180	\$134	\$547	\$234	\$23	\$19	\$316	
--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	
\$1	\$126	\$78	\$468	\$3,102	\$83	\$1,878	\$25	\$1	\$1,157	\$626	\$81	\$620	\$812	\$1,180	\$134	\$547	\$234	\$23	\$19	\$316	

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

Company Name	Westpower Limited
For Year Ended	31 March 2018
Network / Sub-network Name	Westpower

**SCHEDULE 9a: ASSET REGISTER**

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

sch ref

				Units	Items at start of year (quantity)	Items at end of year (quantity)	Net change	Data accuracy (1-4)
8	Voltage	Asset category	Asset class					
9	All	Overhead Line	Concrete poles / steel structure	No.	14,204	14,380	176	4
10	All	Overhead Line	Wood poles	No.	5,927	5,875	(52)	4
11	All	Overhead Line	Other pole types	No.			-	[Select one]
12	HV	Subtransmission Line	Subtransmission OH up to 66kV conductor	km	323	323	(0)	4
13	HV	Subtransmission Line	Subtransmission OH 110kV+ conductor	km	9	9	-	4
14	HV	Subtransmission Cable	Subtransmission UG up to 66kV (XLPE)	km	0	0	(0)	[Select one]
15	HV	Subtransmission Cable	Subtransmission UG up to 66kV (Oil pressurised)	km			-	[Select one]
16	HV	Subtransmission Cable	Subtransmission UG up to 66kV (Gas pressurised)	km			-	[Select one]
17	HV	Subtransmission Cable	Subtransmission UG up to 66kV (PILC)	km			-	[Select one]
18	HV	Subtransmission Cable	Subtransmission UG 110kV+ (XLPE)	km			-	[Select one]
19	HV	Subtransmission Cable	Subtransmission UG 110kV+ (Oil pressurised)	km			-	[Select one]
20	HV	Subtransmission Cable	Subtransmission UG 110kV+ (Gas Pressurised)	km			-	[Select one]
21	HV	Subtransmission Cable	Subtransmission UG 110kV+ (PILC)	km			-	[Select one]
22	HV	Subtransmission Cable	Subtransmission submarine cable	km			-	[Select one]
23	HV	Zone substation Buildings	Zone substations up to 66kV	No.	16	16	-	4
24	HV	Zone substation Buildings	Zone substations 110kV+	No.	2	2	-	4
25	HV	Zone substation switchgear	50/66/110kV CB (Indoor)	No.	-	-	-	[Select one]
26	HV	Zone substation switchgear	50/66/110kV CB (Outdoor)	No.	15	15	-	4
27	HV	Zone substation switchgear	33kV Switch (Ground Mounted)	No.	-	-	-	[Select one]
28	HV	Zone substation switchgear	33kV Switch (Pole Mounted)	No.	65	65	-	4
29	HV	Zone substation switchgear	33kV RMU	No.	-	-	-	[Select one]
30	HV	Zone substation switchgear	22/33kV CB (Indoor)	No.	1	1	-	4
31	HV	Zone substation switchgear	22/33kV CB (Outdoor)	No.	26	26	-	4
32	HV	Zone substation switchgear	3.3/6.6/11/22kV CB (ground mounted)	No.	53	53	-	4
33	HV	Zone substation switchgear	3.3/6.6/11/22kV CB (pole mounted)	No.	16	16	-	4
34	HV	Zone Substation Transformer	Zone Substation Transformers	No.	25	25	-	4
35	HV	Distribution Line	Distribution OH Open Wire Conductor	km	1,501	1,497	(4)	1
36	HV	Distribution Line	Distribution OH Aerial Cable Conductor	km	1	1	-	4
37	HV	Distribution Line	SWER conductor	km			-	4
38	HV	Distribution Cable	Distribution UG XLPE or PVC	km	62	63	1	[Select one]
39	HV	Distribution Cable	Distribution UG PILC	km	8	8	(0)	1
40	HV	Distribution Cable	Distribution Submarine Cable	km			-	[Select one]
41	HV	Distribution switchgear	3.3/6.6/11/22kV CB (pole mounted) - reclosers and sectionalisers	No.	76	78	2	4
42	HV	Distribution switchgear	3.3/6.6/11/22kV CB (Indoor)	No.	-	-	-	[Select one]
43	HV	Distribution switchgear	3.3/6.6/11/22kV Switches and fuses (pole mounted)	No.	681	690	9	4
44	HV	Distribution switchgear	3.3/6.6/11/22kV Switch (ground mounted) - except RMU	No.	-	-	-	[Select one]
45	HV	Distribution switchgear	3.3/6.6/11/22kV RMU	No.	53	53	-	4
46	HV	Distribution Transformer	Pole Mounted Transformer	No.	2,170	2,181	11	3
47	HV	Distribution Transformer	Ground Mounted Transformer	No.	305	309	4	4
48	HV	Distribution Transformer	Voltage regulators	No.	4	4	-	4
49	HV	Distribution Substations	Ground Mounted Substation Housing	No.			-	[Select one]
50	LV	LV Line	LV OH Conductor	km	196	196	(1)	2
51	LV	LV Cable	LV UG Cable	km	192	198	6	2
52	LV	LV Street lighting	LV OH/UG Streetlight circuit	km			-	[Select one]
53	LV	Connections	OH/UG consumer service connections	No.	13,445	13,583	138	2
54	All	Protection	Protection relays (electromechanical, solid state and numeric)	No.			-	[Select one]
55	All	SCADA and communications	SCADA and communications equipment operating as a single system	Lot	1	1	-	2
56	All	Capacitor Banks	Capacitors including controls	No.	12	12	-	4
57	All	Load Control	Centralised plant	Lot	5	5	-	4
58	All	Load Control	Relays	No.			-	[Select one]
59	All	Civils	Cable Tunnels	km			-	[Select one]





Company Name **Westpower Limited**

For Year Ended **31 March 2018**

Network / Sub-network Name **Westpower**

**SCHEDULE 9c: REPORT ON OVERHEAD LINES AND UNDERGROUND CABLES**

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

sch ref

9			
10	<b>Circuit length by operating voltage (at year end)</b>	<b>Overhead (km)</b>	<b>Underground (km)</b>
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)	1,497	71
17	Low voltage (< 1kV)	195	198
18	<b>Total circuit length (for supply)</b>	<b>2,025</b>	<b>269</b>
19			
20	Dedicated street lighting circuit length (km)		
21	Circuit in sensitive areas (conservation areas, iwi territory etc) (km)		
22			254
23	<b>Overhead circuit length by terrain (at year end)</b>	<b>(% of total overhead length)</b>	
24	Urban	143	7%
25	Rural	1,449	72%
26	Remote only	151	7%
27	Rugged only	254	13%
28	Remote and rugged	28	1%
29	Unallocated overhead lines	1	0%
30	<b>Total overhead length</b>	<b>2,025</b>	<b>100%</b>
31			
32		<b>(% of total circuit length)</b>	
33	Length of circuit within 10km of coastline or geothermal areas (where known)	867	38%
34		<b>(% of total overhead length)</b>	
35	Overhead circuit requiring vegetation management	645	32%

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

**SCHEDULE 9d: REPORT ON EMBEDDED NETWORKS**

This schedule requires information concerning embedded networks owned by an EDB that are embedded in another EDB's network or in another embedded network.

sch ref

	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 2018
Network / Sub-network Name	Westpower

### SCHEDULE 9e: REPORT ON NETWORK DEMAND

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

sch ref

#### 9e(i): Consumer Connections

Number of ICPs connected in year by consumer type

Consumer types defined by EDB\*

WP1D Category 1 Domestic	10,861
WP1N Category 1 Non-Domestic (Small)	1,845
WP2N Category 2 Non-Domestic (Medium)	872
C2F Category 2 Time of Use (Medium)	18
C3F Category 3 Time of Use (Large)	22
C4F Category 4 Time of Use (Large)	1
C5F Category 5 Time of Use (large)	1

\* include additional rows if needed

Number of connections (ICPs)

10,861
1,845
872
18
22
1
1

Connections total

13,620
--------

#### Distributed generation

Number of connections made in year

5	connections
---	-------------

Capacity of distributed generation installed in year

0.02	MVA
------	-----

#### 9e(ii): System Demand

#### Maximum coincident system demand

GXP demand

17
----

plus Distributed generation output at HV and above

25
----

Maximum coincident system demand

42
----

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

--

Demand on system for supply to consumers' connection points

42
----

Demand at time of maximum coincident demand (MW)

#### Electricity volumes carried

Electricity supplied from GXPs

132
-----

less Electricity exports to GXPs

34
----

plus Electricity supplied from distributed generation

146
-----

less Net electricity supplied to (from) other EDBs

--

Electricity entering system for supply to consumers' connection points

244
-----

less Total energy delivered to ICPs

226
-----

Electricity losses (loss ratio)

18	7.3%
----	------

Load factor

0.66
------

#### 9e(iii): Transformer Capacity

Distribution transformer capacity (EDB owned)

151
-----

Distribution transformer capacity (Non-EDB owned, estimated)

31
----

Total distribution transformer capacity

182
-----

Zone substation transformer capacity

173
-----

(MVA)

Company Name	Westpower Limited
For Year Ended	31 March 2018
Network / Sub-network Name	Westpower

**SCHEDULE 10: REPORT ON NETWORK RELIABILITY**

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

sch ref

8	<b>10(i): Interruptions</b>		
9	<b>Interruptions by class</b>	<b>Number of interruptions</b>	
10	Class A (planned interruptions by Transpower)	-	
11	Class B (planned interruptions on the network)	98	
12	Class C (unplanned interruptions on the network)	159	
13	Class D (unplanned interruptions by Transpower)	5	
14	Class E (unplanned interruptions of EDB owned generation)		
15	Class F (unplanned interruptions of generation owned by others)	-	
16	Class G (unplanned interruptions caused by another disclosing entity)		
17	Class H (planned interruptions caused by another disclosing entity)		
18	Class I (interruptions caused by parties not included above)		
19	<b>Total</b>	<b>262</b>	
20			
21	<b>Interruption restoration</b>	<b>≤3Hrs</b>	<b>&gt;3hrs</b>
22	Class C interruptions restored within	90	69
23			
24	<b>SAIFI and SAIDI by class</b>	<b>SAIFI</b>	<b>SAIDI</b>
25	Class A (planned interruptions by Transpower)	-	-
26	Class B (planned interruptions on the network)	0.29	67.9
27	Class C (unplanned interruptions on the network)	2.45	423.7
28	Class D (unplanned interruptions by Transpower)	1.44	224.6
29	Class E (unplanned interruptions of EDB owned generation)	-	-
30	Class F (unplanned interruptions of generation owned by others)	-	-
31	Class G (unplanned interruptions caused by another disclosing entity)		
32	Class H (planned interruptions caused by another disclosing entity)		
33	Class I (interruptions caused by parties not included above)		
34	<b>Total</b>	<b>4.19</b>	<b>716.2</b>
35			
36	<b>Normalised SAIFI and SAIDI</b>	<b>Normalised SAIFI</b>	<b>Normalised SAIDI</b>
37	Classes B & C (interruptions on the network)	2.41	217.9
38			
39	<b>Quality path normalised reliability limit</b>	<b>SAIFI reliability limit</b>	<b>SAIDI reliability limit</b>
40	SAIFI and SAIDI limits applicable to disclosure year*	n/a	n/a
41	* not applicable to exempt EDBs		

Company Name	<b>Westpower Limited</b>
For Year Ended	<b>31 March 2018</b>
Network / Sub-network Name	<b>Westpower</b>

**SCHEDULE 10: REPORT ON NETWORK RELIABILITY**

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

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

Cause	SAIFI	SAIDI
Lightning	0.03	2.7
Vegetation	0.57	278.1
Adverse weather	0.71	82.6
Adverse environment	0.07	3.4
Third party interference	0.28	31.9
Wildlife	0.07	4.0
Human error	-	-
Defective equipment	0.44	10.0
Cause unknown	0.29	11.1

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

Main equipment involved	SAIFI	SAIDI
Subtransmission lines	0.06	11.7
Subtransmission cables	-	-
Subtransmission other	-	-
Distribution lines (excluding LV)	0.23	56.2
Distribution cables (excluding LV)	-	-
Distribution other (excluding LV)	-	-

**10(iv): Class C Interruptions and Duration by Main Equipment Involved**

Main equipment involved	SAIFI	SAIDI
Subtransmission lines	0.87	208.0
Subtransmission cables	-	-
Subtransmission other	-	-
Distribution lines (excluding LV)	1.58	215.4
Distribution cables (excluding LV)	0.00	0.3
Distribution other (excluding LV)	-	-

**10(v): Fault Rate**

Main equipment involved	Number of Faults	Circuit length (km)	Fault rate (faults per 100km)
Subtransmission lines	17	260	6.54
Subtransmission cables	-	-	-
Subtransmission other	-	-	-
Distribution lines (excluding LV)	141	1,421	9.92
Distribution cables (excluding LV)	1	65	1.54
Distribution other (excluding LV)	-	-	-
<b>Total</b>	<b>159</b>		