



**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 2016"/>
Disclosure Year (year ended)	<input type="text" value="31 March 2016"/>

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 2016**

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	30,261	598	210,895	3,517	53,605
Network	16,924	334	117,947	1,967	29,980
Non-network	13,337	264	92,947	1,550	23,625
Expenditure on assets	10,267	203	71,553	1,193	18,187
Network	9,784	193	68,184	1,137	17,331
Non-network	483	10	3,368	56	856

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	78,586	1,553
Standard consumer line charge revenue	78,586	1,553
Non-standard consumer line charge revenue	-	-

23 1(iii): Service intensity measures

Demand density	17	Maximum coincident system demand per km of circuit length (for supply) (kW/km)
Volume density	116	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	19,760	Total energy delivered to ICPs per average number of ICPs (kWh/ICP)

30 1(iv): Composition of regulatory income

	(\$000)	% of revenue
Operational expenditure	8,014	37.95%
Pass-through and recoverable costs excluding financial incentives and wash-ups	5,355	25.36%
Total depreciation	4,320	20.46%
Total revaluations	660	3.12%
Regulatory tax allowance	-	-
Regulatory profit/(loss) including financial incentives and wash-ups	4,090	19.36%
Total regulatory income	21,119	

40 1(v): Reliability

Interruption rate	10.05	Interruptions per 100 circuit km
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Company Name **Westpower Limited**For Year Ended **31 March 2016****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 14	31 Mar 15	31 Mar 16
		%	%	%
10	ROI – comparable to a post tax WACC			
10	Reflecting all revenue earned	3.53%	1.27%	3.15%
11	Excluding revenue earned from financial incentives	3.53%	1.27%	3.15%
12	Excluding revenue earned from financial incentives and wash-ups	3.53%	1.27%	3.15%
14	Mid-point estimate of post tax WACC	5.43%	6.10%	5.37%
15	25th percentile estimate	4.71%	5.39%	4.66%
16	75th percentile estimate	6.14%	6.82%	6.09%
19	ROI – comparable to a vanilla WACC			
20	Reflecting all revenue earned	4.22%	2.05%	3.80%
21	Excluding revenue earned from financial incentives	4.22%	2.05%	3.80%
22	Excluding revenue earned from financial incentives and wash-ups	4.22%	2.05%	3.80%
24	WACC rate used to set regulatory price path			
26	Mid-point estimate of vanilla WACC	6.11%	6.89%	6.02%
27	25th percentile estimate	5.39%	6.17%	5.30%
28	75th percentile estimate	6.83%	7.60%	6.74%
30	2(ii): Information Supporting the ROI	(\$000)		
32	Total opening RAB value	112,420		
33	<i>plus</i> Opening deferred tax	(3,677)		
34	Opening RIV		108,743	
36	Line charge revenue		20,812	
38	Expenses cash outflow	13,369		
39	<i>add</i> Assets commissioned	2,165		
40	<i>less</i> Asset disposals	425		
41	<i>add</i> Tax payments	(203)		
42	<i>less</i> Other regulated income	307		
43	Mid-year net cash outflows		14,599	
45	Term credit spread differential allowance		–	
47	Total closing RAB value	110,500		
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	(3,880)		
51	Closing RIV		106,620	
53	ROI – comparable to a vanilla WACC			3.80%
55	Leverage (%)			44%
56	Cost of debt assumption (%)			5.26%
57	Corporate tax rate (%)			28%
59	ROI – comparable to a post tax WACC			3.15%

Company Name **Westpower Limited**
 For Year Ended **31 March 2016**

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(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

94	Year-end ROI – comparable to a vanilla WACC	3.72%
95		
96	Year-end ROI – comparable to a post tax WACC	3.08%
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	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 2016**

SCHEDULE 3: REPORT ON REGULATORY PROFIT

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

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

sch ref

7 3(i): Regulatory Profit		(\$000)
8	Income	
9	Line charge revenue	20,812
10	plus Gains / (losses) on asset disposals	(428)
11	plus Other regulated income (other than gains / (losses) on asset disposals)	735
12		
13	Total regulatory income	21,119
14	Expenses	
15	less Operational expenditure	8,014
16		
17	less Pass-through and recoverable costs excluding financial incentives and wash-ups	5,355
18		
19	Operating surplus / (deficit)	7,750
20		
21	less Total depreciation	4,320
22		
23	plus Total revaluations	660
24		
25	Regulatory profit / (loss) before tax	4,090
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	4,090
32		
33	3(ii): Pass-through and Recoverable Costs excluding Financial Incentives and Wash-Ups	(\$000)
34	Pass through costs	
35	Rates	101
36	Commerce Act levies	12
37	Industry levies	57
38	CPP specified pass through costs	
39	Recoverable costs excluding financial incentives and wash-ups	
40	Electricity lines service charge payable to Transpower	2,595
41	Transpower new investment contract charges	46
42	System operator services	
43	Distributed generation allowance	2,544
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	5,355
47		

Company Name **Westpower Limited**
 For Year Ended **31 March 2016**

SCHEDULE 3: REPORT ON REGULATORY PROFIT

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sch ref

		(\$000)	
		CY-1	CY
		31 Mar 15	31 Mar 16
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 11		
58	CY-4 31 Mar 12		
59	CY-3 31 Mar 13		
60	CY-2 31 Mar 14		
61	CY-1 31 Mar 15		
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 2016**

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 12 (\$000)	RAB 31 Mar 13 (\$000)	RAB 31 Mar 14 (\$000)	RAB 31 Mar 15 (\$000)	RAB 31 Mar 16 (\$000)
Total opening RAB value	111,960	113,746	114,505	114,618	112,420
less Total depreciation	3,854	4,022	4,135	4,261	4,320
plus Total revaluations	1,753	975	1,753	96	660
plus Assets commissioned	4,240	4,022	2,695	2,062	2,165
less Asset disposals	353	216	200	95	425
plus Lost and found assets adjustment					-
plus Adjustment resulting from asset allocation					0
Total closing RAB value	113,746	114,505	114,618	112,420	110,500

4(ii): Unallocated Regulatory Asset Base

	Unallocated RAB *		RAB	
	(\$000)	(\$000)	(\$000)	(\$000)
Total opening RAB value		112,420		112,420
less Total depreciation		4,320		4,320
plus Total revaluations		660		660
plus Assets commissioned (other than below)	216		216	
Assets acquired from a regulated supplier			-	
Assets acquired from a related party	1,949		1,949	
Assets commissioned		2,165		2,165
less Asset disposals (other than below)	425		425	
Asset disposals to a regulated supplier			-	
Asset disposals to a related party			-	
Asset disposals		425		425
plus Lost and found assets adjustment				
plus Adjustment resulting from asset allocation				0
Total closing RAB value		110,500		110,500

* 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 2016**

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	1,200
CPI _{t-4}	1,193
Revaluation rate (%)	0.59%

	Unallocated RAB *		RAB	
	(\$000)	(\$000)	(\$000)	(\$000)
Total opening RAB value	112,420		112,420	
less Opening value of fully depreciated, disposed and lost assets				
Total opening RAB value subject to revaluation	112,420		112,420	
Total revaluations		660		660

4(iv): Roll Forward of Works Under Construction

	Unallocated works under construction		Allocated works under construction	
Works under construction—preceding disclosure year		220		220
plus Capital expenditure	2,125		2,125	
less Assets commissioned	2,165		2,165	
plus Adjustment resulting from asset allocation				
Works under construction - current disclosure year		180		180

Highest rate of capitalised finance applied

Company Name **Westpower Limited**
 For Year Ended **31 March 2016**

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	3,754		3,754	
80 Depreciation - no standard life assets	566		566	
81 Depreciation - modified life assets				
82 Depreciation - alternative depreciation in accordance with CPP				
83 Total depreciation		4,320		4,320

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	16,762		29,414	33,458	6,443	14,260	5,945	5,774	364	112,420
100 less Total depreciation	507		1,009	1,207	248	566	243	429	111	4,320
101 plus Total revaluations	98		173	196	38	84	35	34	2	660
102 plus Assets commissioned	332		286	443		347	181	447	129	2,165
103 less Asset disposals			184	122		112	7			425
104 plus Lost and found assets adjustment										-
105 plus Adjustment resulting from asset allocation										-
106 plus Asset category transfers										-
107 Total closing RAB value	16,685	-	28,680	32,768	6,233	14,013	5,911	5,826	384	110,500
109 Asset Life										
110 Weighted average remaining asset life	38.7		29.1	33.6	28.4	31.5	29.5	14.7	7.7	(years)
111 Weighted average expected total asset life	58.2		43.4	54.5	56.6	51.5	39.1	25.1	10.7	(years)

Company Name **Westpower Limited**
 For Year Ended **31 March 2016**

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 130.

sch ref

		(\$000)	
7	5a(i): Regulatory Tax Allowance		
8	Regulatory profit / (loss) before tax		4,090
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	10	*
12	Amortisation of initial differences in asset values	1,542	
13	Amortisation of revaluations	336	
14			1,888
15			
16	<i>less</i> Total revaluations	660	
17	Income included in regulatory profit / (loss) before tax but not taxable		*
18	Discretionary discounts and customer rebates	2,961	
19	Expenditure or loss deductible but not in regulatory profit / (loss) before tax		*
20	Notional deductible interest	2,453	
21			6,074
22			
23	Regulatory taxable income		(96)
24			
25	<i>less</i> Utilised tax losses		
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	46,265	
37	<i>less</i> Amortisation of initial differences in asset values	1,542	
38	<i>plus</i> Adjustment for unamortised initial differences in assets acquired		
39	<i>less</i> Adjustment for unamortised initial differences in assets disposed	425	
40	Closing unamortised initial differences in asset values		44,298
41			
42	Opening weighted average remaining useful life of relevant assets (years)		30
43			

Company Name **Westpower Limited**
 For Year Ended **31 March 2016**

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 130.

sch ref

44	5a(iv): Amortisation of Revaluations		(\$000)
45			
46	Opening sum of RAB values without revaluations	104,098	
47			
48	Adjusted depreciation	3,984	
49	Total depreciation	4,320	
50	Amortisation of revaluations		336
51			
52	5a(v): Reconciliation of Tax Losses		(\$000)
53			
54	Opening tax losses	744	
55	plus Current period tax losses	96	
56	less Utilised tax losses	-	
57	Closing tax losses		840
58			
59	5a(vi): Calculation of Deferred Tax Balance		(\$000)
60			
61	Opening deferred tax	(3,677)	
62	plus Tax effect of adjusted depreciation	1,116	
63			
64	less Tax effect of tax depreciation	1,124	
65			
66	plus Tax effect of other temporary differences*	119	
67			
68	less Tax effect of amortisation of initial differences in asset values	432	
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	(119)	
73			
74	plus Deferred tax cost allocation adjustment	(0)	
75			
76	Closing deferred tax		(3,880)
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	44,011	
84	less Tax depreciation	4,016	
85	plus Regulatory tax asset value of assets commissioned	2,165	
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	(803)	
90	Closing sum of regulatory tax asset values		41,357

Company Name **Westpower Limited**
 For Year Ended **31 March 2016**

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	7,010
Capital expenditure	1,914
Market value of asset disposals	
Other related party transactions	732

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	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, Service and Test	3,277	ID clause 2.3.6(1)(b)
ElectroNet Services Limited	Opex	Maintenance Programme - Repairs	323	ID clause 2.3.6(1)(b)
ElectroNet Services Limited	Opex	Maintenance Programme - Faults	490	ID clause 2.3.6(1)(b)
ElectroNet Services Limited	Opex	System Operations and Network Support	2,132	ID clause 2.3.6(1)(b)
ElectroNet Services Limited	Opex	Business Support	688	ID clause 2.3.6(1)(b)
ElectroNet Services Limited	Capex	Subtransmission Lines	234	IM clause 2.2.11(5)(g)
ElectroNet Services Limited	Capex	Zone Substations	331	IM clause 2.2.11(5)(g)
ElectroNet Services Limited	Capex	Distribution Lines and Cables	453	IM clause 2.2.11(5)(g)
ElectroNet Services Limited	Capex	Medium Voltage Switchgear	200	IM clause 2.2.11(5)(g)
ElectroNet Services Limited	Capex	Distribution Transformers	234	IM clause 2.2.11(5)(g)
ElectroNet Services Limited	Capex	Distribution Substations	105	IM clause 2.2.11(5)(g)
ElectroNet Services Limited	Capex	Low Voltage Lines and Cables	63	IM clause 2.2.11(5)(g)
ElectroNet Services Limited	Capex	SCADA/Comms and Other Assets	290	IM clause 2.2.11(5)(g)
Mitton ElectroNet Limited	Opex	Maintenance Programme - Inspect, Service and Test	44	ID clause 2.3.6(1)(b)
Mitton ElectroNet Limited	Opex	Maintenance Programme - Faults	1	ID clause 2.3.6(1)(b)
Mitton ElectroNet Limited	Opex	System Operations and Network Support	41	ID clause 2.3.6(1)(b)
Mitton ElectroNet Limited	Opex	Business Support	15	ID clause 2.3.6(1)(b)
Mitton ElectroNet Limited	Capex	SCADA/Comms and Other Assets	4	IM clause 2.2.11(5)(g)
Amethyst Hydro Limited	Opex	Avoided Cost of Transmission	732	ID clause 2.3.6(1)(c)(iii)

* include additional rows if needed

Company Name **Westpower Limited**
 For Year Ended **31 March 2016**

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 2016**

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		495			
12	Not directly attributable				-	
13	Total attributable to regulated service		495			
14	Vegetation management					
15	Directly attributable		527			
16	Not directly attributable				-	
17	Total attributable to regulated service		527			
18	Routine and corrective maintenance and inspection					
19	Directly attributable		3,211			
20	Not directly attributable				-	
21	Total attributable to regulated service		3,211			
22	Asset replacement and renewal					
23	Directly attributable		249			
24	Not directly attributable				-	
25	Total attributable to regulated service		249			
26	System operations and network support					
27	Directly attributable		2,132			
28	Not directly attributable				-	
29	Total attributable to regulated service		2,132			
30	Business support					
31	Directly attributable		1,400			
32	Not directly attributable				-	
33	Total attributable to regulated service		1,400			
34						
35	Operating costs directly attributable		8,014			
36	Operating costs not directly attributable	-	-	-	-	-
37	Operational expenditure		8,014			
38						

Company Name **Westpower Limited**
 For Year Ended **31 March 2016**

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	170
43 Not directly attributable	
44 Total attributable to regulated service	170
45 Recoverable costs	
46 Directly attributable	5,185
47 Not directly attributable	
48 Total attributable to regulated service	5,185

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			
		-	-
56 Rationale for change			

		(\$000)	
		CY-1	Current Year (CY)
61 Change in cost allocation 2			
62 Cost category			
63 Original allocator or line items			
64 New allocator or line items			
		-	-
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			
		-	-
75 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 2016**

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		16,685
Not directly attributable		
Total attributable to regulated service		16,685
Subtransmission cables		
Directly attributable		
Not directly attributable		
Total attributable to regulated service		-
Zone substations		
Directly attributable		28,680
Not directly attributable		
Total attributable to regulated service		28,680
Distribution and LV lines		
Directly attributable		32,768
Not directly attributable		
Total attributable to regulated service		32,768
Distribution and LV cables		
Directly attributable		6,234
Not directly attributable		
Total attributable to regulated service		6,234
Distribution substations and transformers		
Directly attributable		14,013
Not directly attributable		
Total attributable to regulated service		14,013
Distribution switchgear		
Directly attributable		5,910
Not directly attributable		
Total attributable to regulated service		5,910
Other network assets		
Directly attributable		5,826
Not directly attributable		
Total attributable to regulated service		5,826
Non-network assets		
Directly attributable		384
Not directly attributable		
Total attributable to regulated service		384
Regulated service asset value directly attributable		110,500
Regulated service asset value not directly attributable		-
Total closing RAB value		110,500

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 2016**

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			710
9	System growth			278
10	Asset replacement and renewal			1,086
11	Asset relocations			-
12	Reliability, safety and environment:			
13	Quality of supply	419		
14	Legislative and regulatory	-		
15	Other reliability, safety and environment	98		
16	Total reliability, safety and environment			517
17	Expenditure on network assets			2,591
18	Expenditure on non-network assets			128
19				
20	Expenditure on assets			2,719
21	plus Cost of financing			
22	less Value of capital contributions			594
23	plus Value of vested assets			
24				
25	Capital expenditure			2,125
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			7
29	Research and development			
30	6a(iii): Consumer Connection			
31	<i>Consumer types defined by EDB*</i>		(\$000)	(\$000)
32	Cat 1 Domestic		52	
33	Cat 1 Non Domestic < 15kVA		19	
34	Cat 2 Non Domestic > 15kVA		22	
35	Bulk Loads > 200kVA		23	
36	Generator Connection		594	
37	<i>* include additional rows if needed</i>			
38	Consumer connection expenditure			710
39				
40	less Capital contributions funding consumer connection expenditure		594	
41	Consumer connection less capital contributions			116
42	6a(iv): System Growth and Asset Replacement and Renewal			
43			System Growth	Asset Replacement and Renewal
44			(\$000)	(\$000)
45	Subtransmission			297
46	Zone substations			248
47	Distribution and LV lines			379
48	Distribution and LV cables			
49	Distribution substations and transformers	278		33
50	Distribution switchgear			31
51	Other network assets			98
52	System growth and asset replacement and renewal expenditure	278		1,086
53	less Capital contributions funding system growth and asset replacement and renewal			
54	System growth and asset replacement and renewal less capital contributions	278		1,086
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 2016**

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

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

sch ref

68				
69	6a(vi): Quality of Supply			
70	<i>Project or programme*</i>		(\$000)	(\$000)
71	Arnold Substation Comms Upgrade		46	
72	Mt Boner Repeater Development		53	
73	Control Room Radio System		79	
74	New Main Line Recloser Sites		47	
75				
76	<i>* include additional rows if needed</i>			
77	All other projects programmes - quality of supply		194	
78	Quality of supply expenditure			419
79	less Capital contributions funding quality of supply			
80	Quality of supply less capital contributions			419
81	6a(vii): Legislative and Regulatory			
82	<i>Project or programme*</i>		(\$000)	(\$000)
83				
84				
85				
86				
87				
88	<i>* include additional rows if needed</i>			
89	All other projects or programmes - legislative and regulatory			
90	Legislative and regulatory expenditure			-
91	less Capital contributions funding legislative and regulatory			
92	Legislative and regulatory less capital contributions			-
93	6a(viii): Other Reliability, Safety and Environment			
94	<i>Project or programme*</i>		(\$000)	(\$000)
95				
96				
97				
98				
99				
100	<i>* include additional rows if needed</i>			
101	All other projects or programmes - other reliability, safety and environment		98	
102	Other reliability, safety and environment expenditure			98
103	less Capital contributions funding other reliability, safety and environment			
104	Other reliability, safety and environment less capital contributions			98
105				
106	6a(ix): Non-Network Assets			
107	Routine expenditure			
108	<i>Project or programme*</i>		(\$000)	(\$000)
109	Software Purchases and Upgrades		87	
110				
111				
112				
113				
114	<i>* include additional rows if needed</i>			
115	All other projects or programmes - routine expenditure		41	
116	Routine expenditure			128
117	Atypical expenditure			
118	<i>Project or programme*</i>		(\$000)	(\$000)
119				
120				
121				
122				
123				
124	<i>* include additional rows if needed</i>			
125	All other projects or programmes - atypical expenditure			
126	Atypical expenditure			-
127				
128	Expenditure on non-network assets			128

Company Name **Westpower Limited**
 For Year Ended **31 March 2016**

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	495	
9	Vegetation management	527	
10	Routine and corrective maintenance and inspection	3,211	
11	Asset replacement and renewal	249	
12	Network opex		4,482
13	System operations and network support	2,132	
14	Business support	1,400	
15	Non-network opex		3,532
16			
17	Operational expenditure		8,014
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		153
23	* Direct billing expenditure by suppliers that directly bill the majority of their consumers		

Company Name	Westpower Limited
For Year Ended	31 March 2016

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(i): Revenue		Target (\$000) ¹	Actual (\$000)	% variance
7				
8	Line charge revenue	20,717	20,812	0%
7(ii): Expenditure on Assets		Forecast (\$000) ²	Actual (\$000)	% variance
9				
10	Consumer connection	98	710	624%
11	System growth	216	278	29%
12	Asset replacement and renewal	1,846	1,086	(41%)
13	Asset relocations	–	–	–
14	Reliability, safety and environment:			
15	Quality of supply	660	419	(37%)
16	Legislative and regulatory	–	–	–
17	Other reliability, safety and environment	248	98	(60%)
18	Total reliability, safety and environment	908	517	(43%)
19	Expenditure on network assets	3,068	2,591	(16%)
20	Expenditure on non-network assets	–	128	–
21	Expenditure on assets	3,068	2,719	(11%)
7(iii): Operational Expenditure				
22				
23	Service interruptions and emergencies	496	495	(0%)
24	Vegetation management	550	527	(4%)
25	Routine and corrective maintenance and inspection	3,586	3,211	(10%)
26	Asset replacement and renewal	427	249	(42%)
27	Network opex	5,059	4,482	(11%)
28	System operations and network support	2,456	2,132	(13%)
29	Business support	1,633	1,400	(14%)
30	Non-network opex	4,089	3,532	(14%)
31	Operational expenditure	9,148	8,014	(12%)
7(iv): Subcomponents of Expenditure on Assets (where known)				
32				
33	Energy efficiency and demand side management, reduction of energy losses		–	–
34	Overhead to underground conversion		7	–
35	Research and development		–	–
36				
7(v): Subcomponents of Operational Expenditure (where known)				
37				
38	Energy efficiency and demand side management, reduction of energy losses		–	–
39	Direct billing		–	–
40	Research and development		–	–
41	Insurance	200	153	(24%)
42				

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

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)

Company Name	Westpower Limited
For Year Ended	31 March 2016
Network / Sub-Network Name	Westpower

Category 1 Non Domestic Night Only (NN)	Streetlighting (SL)	Street Lighting Fixed Charge (WP5L)	Category 1 Non Domestic Fixed Charge (WP1N)	Category 2 Non Domestic 24 hr (U1)	Category 2 Non Domestic Controlled (U2)	Category 2 Non Domestic Economy Day (U3N)	Category 2 Non Domestic Economy Night (U3L)	Category 2 Non Domestic Night (U5)	Category 2 Fixed Distribution Charge (WP2N)	Category 2 Time of Use Metering Peak Charge C2P	Category 2 Time of Use Metering Fixed Annual Capacity Charge (C2F)	Category 3 Time of Use Metering Peak Charge (C3P)	Category 3 Time of Use Metering Transpower Coincident Peak Charge (C3CP)	Category 3 Time of Use Metering Fixed Annual Capacity Charge (C3F)	Category 4 Time of Use Metering Peak Charge (C4P)	Category 4 Time of Use Metering Transpower Coincident Peak Charge (C4CP)	Category 4 Time of Use Metering Fixed Annual Capacity Charge (C4F)	Category 5 Time of Use Metering Peak Charge (C5P)	Category 5 Time of Use Metering Transpower Coincident Peak Charge (C5CP)	Category 5 Time of Use Metering Fixed Annual Capacity Charge (C5F)
kWh	kWh	S/day	S/day	kWh	kWh	kWh	kWh	kWh	S/kw/day	S/kw/day	S/kva/day	S/kw/day	S/kw/day	S/kva/day	S/kw/day	S/kw/day	S/kva/day	S/kw/day	S/kw/day	S/kva/day
23,740	1,267,058			27,993,314	2,730,640	15,850,789	8,446,884	60,047		8,789			65,626			53,756			1,291	
23,740	1,267,058	--	--	27,993,314	2,730,640	15,850,789	8,446,884	60,047	--	8,789	--	--	65,626	--	--	53,756	--	--	1,291	--
23,740	1,267,058	--	--	27,993,314	2,730,640	15,850,789	8,446,884	60,047	--	8,789	--	--	65,626	--	--	53,756	--	--	1,291	--

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

Category 1 Non Domestic Night Only (NN)	Streetlighting (SL)	Street Lighting Fixed Charge (WP5L)	Category 1 Non Domestic Fixed Charge (WP1N)	Category 2 Non Domestic 24 hr (U1)	Category 2 Non Domestic Controlled (U2)	Category 2 Non Domestic Economy Day (U3N)	Category 2 Non Domestic Economy Night (U3L)	Category 2 Non Domestic Night (U5)	Category 2 Fixed Distribution Charge (WP2N)	Category 2 Time of Use Metering Peak Charge C2P	Category 2 Time of Use Metering Fixed Annual Capacity Charge (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	S/day	S/day	kWh	kWh	kWh	kWh	kWh	S/kw/day	S/kw/day	S/kva/day	S/kw/day	S/kw/day	S/kva/day	S/kw/day	S/kw/day	S/kva/day	S/kw/day	S/kw/day	S/kva/day
\$1	\$77	\$76	\$481	\$2,927	\$96	\$1,770	\$80	\$1	\$1,053	\$583	\$80	\$808	\$1,021	\$1,496	\$144	\$427	\$284	\$22	\$21	\$310
\$1	\$77	\$76	\$481	\$2,927	\$96	\$1,770	\$80	\$1	\$1,053	\$583	\$80	\$808	\$1,021	\$1,496	\$144	\$427	\$284	\$22	\$21	\$310
--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
\$1	\$77	\$76	\$481	\$2,927	\$96	\$1,770	\$80	\$1	\$1,053	\$583	\$80	\$808	\$1,021	\$1,496	\$144	\$427	\$284	\$22	\$21	\$310

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

Company Name	Westpower Limited
For Year Ended	31 March 2016
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

	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.	13,880	14,117	237	4
9	All	Overhead Line	Wood poles	No.	5,919	5,965	46	4
10	All	Overhead Line	Other pole types	No.			-	[Select one]
11	HV	Subtransmission Line	Subtransmission OH up to 66kV conductor	km	331	323	(8)	4
12	HV	Subtransmission Line	Subtransmission OH 110kV+ conductor	km	9	9	-	4
13	HV	Subtransmission Cable	Subtransmission UG up to 66kV (XLPE)	km		0	0	4
14	HV	Subtransmission Cable	Subtransmission UG up to 66kV (Oil pressurised)	km			-	[Select one]
15	HV	Subtransmission Cable	Subtransmission UG up to 66kV (Gas pressurised)	km			-	[Select one]
16	HV	Subtransmission Cable	Subtransmission UG up to 66kV (PILC)	km			-	[Select one]
17	HV	Subtransmission Cable	Subtransmission UG 110kV+ (XLPE)	km			-	[Select one]
18	HV	Subtransmission Cable	Subtransmission UG 110kV+ (Oil pressurised)	km			-	[Select one]
19	HV	Subtransmission Cable	Subtransmission UG 110kV+ (Gas Pressurised)	km			-	[Select one]
20	HV	Subtransmission Cable	Subtransmission UG 110kV+ (PILC)	km			-	[Select one]
21	HV	Subtransmission Cable	Subtransmission submarine cable	km			-	[Select one]
22	HV	Zone substation Buildings	Zone substations up to 66kV	No.	17	16	(1)	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.	68	65	(3)	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.	27	26	(1)	4
31	HV	Zone substation switchgear	3.3/6.6/11/22kV CB (ground mounted)	No.	60	53	(7)	4
32	HV	Zone substation switchgear	3.3/6.6/11/22kV CB (pole mounted)	No.	16	15	(1)	4
33	HV	Zone Substation Transformer	Zone Substation Transformers	No.	25	25	-	3
34	HV	Distribution Line	Distribution OH Open Wire Conductor	km	1,485	1,500	15	4
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	61	-	4
38	HV	Distribution Cable	Distribution UG PILC	km	8	8	-	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.	72	76	4	3
41	HV	Distribution switchgear	3.3/6.6/11/22kV CB (Indoor)	No.	-	-	-	4
42	HV	Distribution switchgear	3.3/6.6/11/22kV Switches and fuses (pole mounted)	No.	694	694	-	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.	55	54	(1)	4
45	HV	Distribution Transformer	Pole Mounted Transformer	No.	2,153	2,189	36	3
46	HV	Distribution Transformer	Ground Mounted Transformer	No.	280	280	-	3
47	HV	Distribution Transformer	Voltage regulators	No.	4	4	-	3
48	HV	Distribution Substations	Ground Mounted Substation Housing	No.			-	[Select one]
49	LV	LV Line	LV OH Conductor	km	190	193	3	2
50	LV	LV Cable	LV UG Cable	km	177	183	6	2
51	LV	LV Street lighting	LV OH/UG Streetlight circuit	km			-	[Select one]
52	LV	Connections	OH/UG consumer service connections	No.	13,250	13,257	7	4
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	-	4
55	All	Capacitor Banks	Capacitors including controls	No.	15	13	(2)	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 2016
Network / Sub-network Name	Westpower

SCHEDULE 9c: REPORT ON OVERHEAD LINES AND UNDERGROUND CABLES

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

sch ref

9			
10	Circuit length by operating voltage (at year end)	Overhead (km)	Underground (km)
11	> 66kV	9	
12	50kV & 66kV	61	
13	33kV	262	1
14	SWER (all SWER voltages)		
15	22kV (other than SWER)		
16	6.6kV to 11kV (inclusive—other than SWER)	1,500	69
17	Low voltage (< 1kV)	193	183
18	Total circuit length (for supply)	2,025	253
19			
20	Dedicated street lighting circuit length (km)		
21	Circuit in sensitive areas (conservation areas, iwi territory etc) (km)		
22			284
23	Overhead circuit length by terrain (at year end)	(% of total circuit length)	
24	Urban	144	7%
25	Rural	1,444	71%
26	Remote only	151	7%
27	Rugged only	258	13%
28	Remote and rugged	28	1%
29	Unallocated overhead lines	–	–
30	Total overhead length	2,025	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	790	39%

Company Name **Westpower Limited**
 For Year Ended **31 March 2016**

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 2016
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
WP1N Category 1 Non-Domestic (Small)
WP2N Category 2 Non-Domestic (Medium)
C2F Category 2 Time of Use (Medium)
C3F Category 3 Time of Use (Large)
C4F Category 4 Time of Use (Large)
C5F Category 5 Time of Use (large)

Number of connections (ICPs)

10,684
1,874
848
17
22
3
1

* include additional rows if needed

Connections total

13,449

Distributed generation

Number of connections made in year

6	connections
---	-------------

Capacity of distributed generation installed in year

2.23	MVA
------	-----

9e(ii): System Demand

Maximum coincident system demand

GXP demand

13

plus Distributed generation output at HV and above

25

Maximum coincident system demand

38

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

--

Demand on system for supply to consumers' connection points

38

Electricity volumes carried

Electricity supplied from GXPs

171

less Electricity exports to GXPs

41

plus Electricity supplied from distributed generation

153

less Net electricity supplied to (from) other EDBs

--

Electricity entering system for supply to consumers' connection points

283

less Total energy delivered to ICPs

265

Electricity losses (loss ratio)

18	6.4%
----	------

Load factor

85%

9e(iii): Transformer Capacity

Distribution transformer capacity (EDB owned)

150

Distribution transformer capacity (Non-EDB owned, estimated)

31

Total distribution transformer capacity

181

Zone substation transformer capacity

185

Company Name	Westpower Limited
For Year Ended	31 March 2016
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	10(i): Interruptions			
9	Interruptions by class			
10		Number of interruptions		
11	Class A (planned interruptions by Transpower)	-		
12	Class B (planned interruptions on the network)	113		
13	Class C (unplanned interruptions on the network)	114		
14	Class D (unplanned interruptions by Transpower)	1		
15	Class E (unplanned interruptions of EDB owned generation)	-		
16	Class F (unplanned interruptions of generation owned by others)	1		
17	Class G (unplanned interruptions caused by another disclosing entity)	-		
18	Class H (planned interruptions caused by another disclosing entity)	-		
19	Class I (interruptions caused by parties not included above)	-		
20	Total	229		
21	Interruption restoration			
22		≤3Hrs	>3hrs	
23	Class C interruptions restored within	81	33	
24	SAIFI and SAIDI by class			
25		SAIFI	SAIDI	
26	Class A (planned interruptions by Transpower)	-	-	
27	Class B (planned interruptions on the network)	0.29	76.7	
28	Class C (unplanned interruptions on the network)	1.15	63.4	
29	Class D (unplanned interruptions by Transpower)	0.27	21.2	
30	Class E (unplanned interruptions of EDB owned generation)	-	-	
31	Class F (unplanned interruptions of generation owned by others)	0.04	0.9	
32	Class G (unplanned interruptions caused by another disclosing entity)	-	-	
33	Class H (planned interruptions caused by another disclosing entity)	-	-	
34	Class I (interruptions caused by parties not included above)	-	-	
35	Total	1.75	162.1	
36	Normalised SAIFI and SAIDI			
37		Normalised SAIFI	Normalised SAIDI	
38	Classes B & C (interruptions on the network)	1.45	140.0	
39	Quality path normalised reliability limit			
40	SAIFI and SAIDI limits applicable to disclosure year*	N/A	N/A	
41	* not applicable to exempt EDBs			
42	10(ii): Class C Interruptions and Duration by Cause			
43		SAIFI	SAIDI	
44	Cause			
45	Lightning	0.10	2.1	
46	Vegetation	0.04	4.5	
47	Adverse weather	-	0.1	
48	Adverse environment	0.04	5.7	
49	Third party interference	0.24	14.9	
50	Wildlife	0.07	11.6	
51	Human error	-	-	
52	Defective equipment	0.34	21.0	
53	Cause unknown	0.32	3.4	
54				
55	10(iii): Class B Interruptions and Duration by Main Equipment Involved			
56		SAIFI	SAIDI	
57	Main equipment involved			
58	Subtransmission lines	-	-	
59	Subtransmission cables	-	-	
60	Subtransmission other	-	-	
61	Distribution lines (excluding LV)	0.27	74.8	
62	Distribution cables (excluding LV)	-	-	
63	Distribution other (excluding LV)	0.02	1.9	
64	10(iv): Class C Interruptions and Duration by Main Equipment Involved			
65		SAIFI	SAIDI	
66	Main equipment involved			
67	Subtransmission lines	0.16	1.3	
68	Subtransmission cables	-	-	
69	Subtransmission other	-	-	
70	Distribution lines (excluding LV)	0.99	61.5	
71	Distribution cables (excluding LV)	-	0.6	
72	Distribution other (excluding LV)	-	-	
73	10(v): Fault Rate			
74		Number of Faults	Circuit length (km)	Fault rate (faults per 100km)
75	Main equipment involved			
76	Subtransmission lines	2	262	0.76
77	Subtransmission cables	-	-	-
78	Subtransmission other	-	-	-
79	Distribution lines (excluding LV)	112	1,500	7.47
80	Distribution cables (excluding LV)	1	69	1.45
81	Distribution other (excluding LV)	1	-	-
	Total	116		