



**EDB Information Disclosure Requirements  
Information Templates  
for  
Schedules 1–15**

Company Name	WEL Networks Limited
Disclosure Date	31 March 2019
Disclosure Year (year ended)	31 March 2019

Templates for Schedules 1–15  
Template Version 4.1. Prepared 21 December  
2017

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### Appendix A

Procurement Summary and Related Party Model

Company Name	WEL Networks Limited
For Year Ended	31 March 2019

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				
8		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 MVA of capacity from EDB-owned distribution transformers (\$/MVA)
9	Operational expenditure	17,841	249	82,469	25,194
10	Network	5,595	78	25,862	7,901
11	Non-network	12,246	171	56,607	17,293
12					
13	Expenditure on assets	31,091	434	143,716	43,905
14	Network	29,481	412	136,274	41,631
15	Non-network	1,610	22	7,442	2,274
16					
17	1(ii): Revenue metrics				
18		Revenue per GWh energy delivered to ICPs (\$/GWh)	Revenue per average no. of ICPs (\$/ICP)		
19	Total consumer line charge revenue	95,963	1,341		
20	Standard consumer line charge revenue	97,256	1,326		
21	Non-standard consumer line charge revenue	44,409	279,270		
22					
23	1(iii): Service intensity measures				
24					
25	Demand density	51		Maximum coincident system demand per km of circuit length (for supply) (kW/km)	
26	Volume density	235		Total energy delivered to ICPs per km of circuit length (for supply) (MWh/km)	
27	Connection point density	17		Average number of ICPs per km of circuit length (for supply) (ICPs/km)	
28	Energy intensity	13,972		Total energy delivered to ICPs per average number of ICPs (kWh/ICP)	
29					
30	1(iv): Composition of regulatory income				
31				(\$000)	% of revenue
32	Operational expenditure			22,927	18.05%
33	Pass-through and recoverable costs excluding financial incentives and wash-ups			29,765	23.43%
34	Total depreciation			19,895	15.66%
35	Total revaluations			8,278	6.52%
36	Regulatory tax allowance			16,436	12.94%
37	Regulatory profit/(loss) including financial incentives and wash-ups			46,267	36.43%
38	Total regulatory income			127,012	
39					
40	1(v): Reliability				
41					
42	Interruption rate			24.76	Interruptions per 100 circuit km

Company Name	WEL Networks Limited
For Year Ended	31 March 2019

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).

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	2(i): Return on Investment			
8				
9	ROI – comparable to a post tax WACC			
10	Reflecting all revenue earned	CY-2	CY-1	Current Year CY
11	Excluding revenue earned from financial incentives	31 Mar 17	31 Mar 18	31 Mar 19
12	Excluding revenue earned from financial incentives and wash-ups	%	%	%
13				
14	Mid-point estimate of post tax WACC			
15	25th percentile estimate			
16	75th percentile estimate			
17				
18				
19	ROI – comparable to a vanilla WACC			
20	Reflecting all revenue earned			
21	Excluding revenue earned from financial incentives			
22	Excluding revenue earned from financial incentives and wash-ups			
23				
24	WACC rate used to set regulatory price path			
25				
26	Mid-point estimate of vanilla WACC			
27	25th percentile estimate			
28	75th percentile estimate			
29				
30	2(ii): Information Supporting the ROI			(\$000)
31				
32	Total opening RAB value			
33	plus Opening deferred tax			
34	Opening RIV			
35				
36	Line charge revenue			
37				
38	Expenses cash outflow			
39	add Assets commissioned			
40	less Asset disposals			
41	add Tax payments			
42	less Other regulated income			
43	Mid-year net cash outflows			
44				
45	Term credit spread differential allowance			
46				
47	Total closing RAB value			
48	less Adjustment resulting from asset allocation			
49	less Lost and found assets adjustment			
50	plus Closing deferred tax			
51	Closing RIV			
52				
53	ROI – comparable to a vanilla WACC			
54				
55	Leverage (%)			
56	Cost of debt assumption (%)			
57	Corporate tax rate (%)			
58				
59	ROI – comparable to a post tax WACC			
60				

Company Name	WEL Networks Limited
For Year Ended	31 March 2019

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).

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

2(iii): Information Supporting the Monthly ROI

Opening RIV						N/A
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	Line charge revenue	Expenses cash outflow	Assets commissioned	Asset disposals	Other regulated income	Monthly net cash outflows
April						–
May						–
June						–
July						–
August						–
September						–
October						–
November						–
December						–
January						–
February						–
March						–
Total	–	–	–	–	–	–

Tax payments	N/A
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Term credit spread differential allowance	N/A
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Closing RIV	N/A
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Monthly ROI – comparable to a vanilla WACC	N/A
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Monthly ROI – comparable to a post tax WACC	N/A
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2(iv): Year-End ROI Rates for Comparison Purposes

Year-end ROI – comparable to a vanilla WACC	8.61%
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Year-end ROI – comparable to a post tax WACC	8.10%
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\* these year-end ROI values are comparable to the ROI reported in pre 2012 disclosures by EDBs and do not represent the Commission's current view on ROI.

2(v): Financial Incentives and Wash-Ups

Net recoverable costs allowed under incremental rolling incentive scheme	–
Purchased assets – avoided transmission charge	
Energy efficiency and demand incentive allowance	
Quality incentive adjustment	
Other financial incentives	
Financial incentives	–

Impact of financial incentives on ROI	–
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Input methodology claw-back	
CPP application recoverable costs	
Catastrophic event allowance	
Capex wash-up adjustment	
Transmission asset wash-up adjustment	
2013–15 NPV wash-up allowance	
Reconsideration event allowance	
Other wash-ups	
Wash-up costs	–

Impact of wash-up costs on ROI	–
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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	<b>3(i): Regulatory Profit</b>		<b>(\$000)</b>
8	<b>Income</b>		
9	Line charge revenue		123,316
10	<i>plus</i> Gains / (losses) on asset disposals		(156)
11	<i>plus</i> Other regulated income (other than gains / (losses) on asset disposals)		3,852
12			
13	<b>Total regulatory income</b>		127,012
14	<b>Expenses</b>		
15	<i>less</i> Operational expenditure		22,927
16			
17	<i>less</i> Pass-through and recoverable costs excluding financial incentives and wash-ups		29,765
18			
19	<b>Operating surplus / (deficit)</b>		74,320
20			
21	<i>less</i> Total depreciation		19,895
22			
23	<i>plus</i> Total revaluations		8,278
24			
25	<b>Regulatory profit / (loss) before tax</b>		62,702
26			
27	<i>less</i> Term credit spread differential allowance		–
28			
29	<i>less</i> Regulatory tax allowance		16,436
30			
31	<b>Regulatory profit/(loss) including financial incentives and wash-ups</b>		46,267
32			
33	<b>3(ii): Pass-through and Recoverable Costs excluding Financial Incentives and Wash-Ups</b>		<b>(\$000)</b>
34	<b>Pass through costs</b>		
35	Rates		710
36	Commerce Act levies		126
37	Industry levies		272
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		20,760
41	Transpower new investment contract charges		2,564
42	System operator services		
43	Distributed generation allowance		5,334
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>		29,765
47			

Company Name	WEL Networks Limited
For Year Ended	31 March 2019

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

48	<b>3(iii): Incremental Rolling Incentive Scheme</b>		(\$000)	
49			CY-1	CY
50			31 Mar 18	31 Mar 19
51	Allowed controllable opex			
52	Actual controllable opex			
53				
54	Incremental change in year			
55				
56			Previous years' incremental change	Previous years' incremental change adjusted for inflation
57	CY-5	31 Mar 14		
58	CY-4	31 Mar 15		
59	CY-3	31 Mar 16		
60	CY-2	31 Mar 17		
61	CY-1	31 Mar 18		
62	Net incremental rolling incentive scheme			—
63				
64	Net recoverable costs allowed under incremental rolling incentive scheme			—
65	<b>3(iv): Merger and Acquisition Expenditure</b>			
70				(\$000)
66	Merger and acquisition expenditure			
67				
68	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)			
69	<b>3(v): Other Disclosures</b>			
70				(\$000)
71	Self-insurance allowance			

Company Name	WEL Networks Limited
For Year Ended	31 March 2019

**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 15 (\$'000)	RAB 31 Mar 16 (\$'000)	RAB 31 Mar 17 (\$'000)	RAB 31 Mar 18 (\$'000)	RAB 31 Mar 19 (\$'000)
Total opening RAB value		475,614	486,846	508,016	529,712	559,424
less Total depreciation		19,241	20,388	20,412	18,992	19,895
plus Total revaluations		398	2,844	10,929	5,823	8,278
plus Assets commissioned		30,676	38,981	31,350	42,963	29,931
less Asset disposals		601	268	171	82	654
plus Lost and found assets adjustment		–	–	–	–	–
plus Adjustment resulting from asset allocation		–	–	1	(0)	(7,784)
Total closing RAB value		486,846	508,016	529,712	559,424	569,300

26	<b>4(ii): Unallocated Regulatory Asset Base</b>
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		Unallocated RAB *	RAB
		(\$000)	(\$000)
27			
28			
29	<b>Total opening RAB value</b>	559,424	559,424
30	<i>less</i>		
31	<b>Total depreciation</b>	19,895	19,895
32	<i>plus</i>		
33	<b>Total revaluations</b>	8,278	8,278
34	<i>plus</i>		
35	Assets commissioned (other than below)	14,134	13,578
36	Assets acquired from a regulated supplier		
37	Assets acquired from a related party	16,353	16,353
38	<b>Assets commissioned</b>	30,487	29,931
39	<i>less</i>		
40	Asset disposals (other than below)	654	654
41	Asset disposals to a regulated supplier		
42	Asset disposals to a related party		
43	<b>Asset disposals</b>	654	654
44			
45	<i>plus</i> <b>Lost and found assets adjustment</b>		
46			
47	<i>plus</i> <b>Adjustment resulting from asset allocation</b>		(7,784)
48			
49	<b>Total closing RAB value</b>	577,640	569,300

\* 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.



<i>Company Name</i>	<b>WEL Networks Limited</b>
<i>For Year Ended</i>	<b>31 March 2019</b>

**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>4</sub>	1,026
CPI <sub>4</sub> <sup>-4</sup>	1,011
Revaluation rate (%)	1.48%

	Unallocated RAB *		RAB	
	(\$000)	(\$000)	(\$000)	(\$000)
Total opening RAB value	559,424		559,424	
<i>/less</i> Opening value of fully depreciated, disposed and lost assets	1,519		1,519	
Total opening RAB value subject to revaluation	557,905		557,905	
<b>Total revaluations</b>		8,278		8,278

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

		Unallocated works under construction		Allocated works under construction	
	<b>Works under construction—preceding disclosure year</b>		26,694		26,694
plus	Capital expenditure	30,841		30,841	
less	Assets commissioned	30,487		29,931	
plus	Adjustment resulting from asset allocation				
	<b>Works under construction - current disclosure year</b>		27,048		27,604
	Highest rate of capitalised finance applied				

Company Name	WEL Networks Limited
For Year Ended	31 March 2019

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			
77				
78		Unallocated RAB *		RAB
79		(\$000)	(\$000)	(\$000)
80	Depreciation - standard	15,705		15,705
81	Depreciation - no standard life assets	4,190		4,190
82	Depreciation - modified life assets			
83	Depreciation - alternative depreciation in accordance with CPP			
84	Total depreciation		19,895	19,895

85	4(vi): Disclosure of Changes to Depreciation Profiles			
		(\$000 unless otherwise specified)		
86	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
87				Closing RAB value under 'standard' depreciation
88				
89				
90				
91				
92				
93				
94				
95	* include additional rows if needed			

96	4(vii): Disclosure by Asset Category									
97		(\$000 unless otherwise specified)								
98		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
99	Total opening RAB value	21,683	57,331	81,343	108,137	149,813	64,888	30,814	17,768	27,646
100	less Total depreciation	577	1,385	2,367	3,153	3,949	2,252	914	1,108	4,190
101	plus Total revaluations	322	851	1,206	1,604	2,222	961	457	264	391
102	plus Assets commissioned	142	1,117	1,250	5,718	10,517	4,474	3,730	926	2,057
103	less Asset disposals	-	-	-	-	-	145	-	-	509
104	plus Lost and found assets adjustment	-	-	-	-	-	-	-	-	-
105	plus Adjustment resulting from asset allocation	-	-	-	(2,348)	-	-	-	-	(5,436)
106	plus Asset category transfers	-	-	-	-	-	(8,515)	-	(4,913)	13,428
107	Total closing RAB value	21,570	57,914	81,432	109,958	158,603	59,411	34,087	12,937	33,388
108										
109	Asset Life									
110	Weighted average remaining asset life	41.8	42.0	33.4	40.6	41.6	35.8	33.7	7.7	10.7
111	Weighted average expected total asset life	59.1	53.2	43.5	58.7	53.9	49.9	40.2	14.0	15.9

Company Name	WEL Networks Limited
For Year Ended	31 March 2019

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 22

sch ref

7	5a(i): Regulatory Tax Allowance			(\$000)
8	Regulatory profit / (loss) before tax			62,702
9				
10	plus	Income not included in regulatory profit / (loss) before tax but taxable	4,655	*
11		Expenditure or loss in regulatory profit / (loss) before tax but not deductible	18	*
12		Amortisation of initial differences in asset values	7,095	
13		Amortisation of revaluations	1,809	
14				13,578
15				
16	less	Total revaluations	8,278	
17		Income included in regulatory profit / (loss) before tax but not taxable	-	*
18		Discretionary discounts and customer rebates	-	
19		Expenditure or loss deductible but not in regulatory profit / (loss) before tax	-	*
20		Notional deductible interest	9,304	
21				17,581
22				
23	Regulatory taxable income			58,698
24				
25	less	Utilised tax losses		
26		Regulatory net taxable income		58,698
27				
28		Corporate tax rate (%)	28%	
29	Regulatory tax allowance			16,436
30				
31	* Workings to be provided in Schedule 14			
32	5a(ii): Disclosure of Permanent Differences			
33	In Schedule 14, Box 5, provide descriptions and workings of items recorded in the asterisked categories in Schedule 5a(i).			
34	5a(iii): Amortisation of Initial Difference in Asset Values			(\$000)
35				
36		Opening unamortised initial differences in asset values	106,429	
37	less	Amortisation of initial differences in asset values	7,095	
38	plus	Adjustment for unamortised initial differences in assets acquired		
39	less	Adjustment for unamortised initial differences in assets disposed		
40		Closing unamortised initial differences in asset values		99,333
41				
42		Opening weighted average remaining useful life of relevant assets (years)		15
43				

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

			(\$'000)
44	<b>5a(iv): Amortisation of Revaluations</b>		
46	Opening sum of RAB values without revaluations	526,407	
48	Adjusted depreciation	18,086	
49	Total depreciation	19,895	
50	Amortisation of revaluations		1,809

## (\$000)

53				
54		<b>Opening tax losses</b>		
55	<i>plus</i>	Current period tax losses		
56	<i>less</i>	Utilised tax losses		
57		<b>Closing tax losses</b>		

(\$000)

59				
60		<b>Opening deferred tax</b>		(36,876)
61				
62	plus	Tax effect of adjusted depreciation		5,064
63				
64	less	Tax effect of tax depreciation		8,559
65				
66	plus	Tax effect of other temporary differences*		—
67				
68	less	Tax effect of amortisation of initial differences in asset values		1,987
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		0
73				
74	plus	Deferred tax cost allocation adjustment		(0)
75				
76		<b>Closing deferred tax</b>		(42,358)

In Schedule 14, Box 6, provide descriptions and workings of items recorded in the asterisked category in Schedule 5a(vi) (Tax effect of other temporary differences).

## (\$000)

		(\$'000)
82		
83	<b>Opening sum of regulatory tax asset values</b>	<b>268,053</b>
84	<i>less</i> Tax depreciation	<i>30,569</i>
85	<i>plus</i> Regulatory tax asset value of assets commissioned	<i>29,931</i>
86	<i>less</i> Regulatory tax asset value of asset disposals	<i>654</i>
87	<i>plus</i> Lost and found assets adjustment	
88	<i>plus</i> Adjustment resulting from asset allocation	<i>(7,784)</i>
89	<i>plus</i> Other adjustments to the RAB tax value	
90	<b>Closing sum of regulatory tax asset values</b>	<b>258,977</b>

Company Name	WEL Networks Limited
For Year Ended	31 March 2019

SCHEDULE 5b: REPORT ON RELATED PARTY TRANSACTIONS

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

sch ref

7	<b>5b(i): Summary—Related Party Transactions</b>			
8	Total regulatory income			270
9				
10	Market value of asset disposals			—
11				
12	Service interruptions and emergencies	2,407		
13	Vegetation management	1,302		
14	Routine and corrective maintenance and inspection	1,422		
15	Asset replacement and renewal (opex)	1,702		
16	<b>Network opex</b>			6,833
17	Business support	—		
18	System operations and network support	2,649		
19	<b>Operational expenditure</b>			9,482
20	Consumer connection	5,150		
21	System growth	56		
22	Asset replacement and renewal (capex)	8,451		
23	Asset relocations	1,613		
24	Quality of supply	300		
25	Legislative and regulatory	151		
26	Other reliability, safety and environment	632		
27	<b>Expenditure on non-network assets</b>			—
28	<b>Expenditure on assets</b>			16,353
29	Cost of financing			
30	Value of capital contributions			
31	Value of vested assets			
32	<b>Capital Expenditure</b>			16,353
33	<b>Total expenditure</b>			25,835
34				
35	Other related party transactions			
36	<b>5b(iii): Total Opex and Capex Related Party Transactions</b>			
37				
38				
39				
40				
41				
42				
43				
44				
45				
46				
47				
48				
49				
50				
51				
52				
53	<b>Total value of related party transactions</b>			25,835
54	<i>* include additional rows if needed</i>			
55				

Name of related party	Nature of opex or capex service provided	Total value of transactions (\$000)
WEL Services Limited	Service interruptions and emergencies	2,407
WEL Services Limited	Vegetation management	1,302
WEL Services Limited	Routine and corrective maintenance and inspection	1,422
WEL Services Limited	Asset replacement and renewal (opex)	1,702
WEL Services Limited	System operations and network support	2,649
WEL Services Limited	Asset replacement and renewal (capex)	8,451
WEL Services Limited	Consumer connection	5,150
WEL Services Limited	System growth	56
WEL Services Limited	Asset relocations	1,613
WEL Services Limited	Quality of supply	300
WEL Services Limited	Legislative and regulatory	151
WEL Services Limited	Other reliability, safety and environment	632
	[Select one]	
	[Select one]	
	[Select one]	

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

7	
8	5c(i): Qualifying Debt (may be Commission only)
9	
10	
11	
12	
13	
14	
15	
16	* include additional rows if needed
17	
18	5c(ii): Attribution of Term Credit Spread Differential
19	
20	Gross term credit spread differential
21	
22	Total book value of interest bearing debt
23	Leverage
24	Average opening and closing RAB values
25	Attribution Rate (%)
26	
27	Term credit spread differential allowance

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.

7	<b>5d(i): Operating Cost Allocations</b>
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38

Company Name	WEL Networks Limited
For Year Ended	31 March 2019

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

40

Pass through and recoverable costs

(\$000)

41

Pass through costs

42

Directly attributable

1,107

43

Not directly attributable

44

Total attributable to regulated service

1,107

45

Recoverable costs

46

Directly attributable

28,658

47

Not directly attributable

48

Total attributable to regulated service

28,658

49

50

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

51

(\$000)

52

Change in cost allocation 1

53

Cost category

Original allocation

CY-1

Current Year (CY)

54

Original allocator or line items

New allocation

55

New allocator or line items

Difference

–

–

56

57

Rationale for change

58

59

60

(\$000)

61

Change in cost allocation 2

62

Cost category

Original allocation

CY-1

Current Year (CY)

63

Original allocator or line items

New allocation

64

New allocator or line items

Difference

–

–

65

66

Rationale for change

67

68

69

(\$000)

70

Change in cost allocation 3

71

Cost category

Original allocation

CY-1

Current Year (CY)

72

Original allocator or line items

New allocation

73

New allocator or line items

Difference

–

–

74

75

Rationale for change

76

77

78

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

79

† include additional rows if needed



Company Name	WEL Networks Limited
For Year Ended	31 March 2019

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

7	5e(i): Regulated Service Asset Values				
8			Value allocated		
9			(\$000s)		
10			Electricity distribution		
11			services		
12	Subtransmission lines				
13	Directly attributable		21,570		
14	Not directly attributable				
15	Total attributable to regulated service		21,570		
16	Subtransmission cables				
17	Directly attributable		57,914		
18	Not directly attributable				
19	Total attributable to regulated service		57,914		
20	Zone substations				
21	Directly attributable		81,432		
22	Not directly attributable				
23	Total attributable to regulated service		81,432		
24	Distribution and LV lines				
25	Directly attributable		107,660		
26	Not directly attributable		2,298		
27	Total attributable to regulated service		109,958		
28	Distribution and LV cables				
29	Directly attributable		158,603		
30	Not directly attributable				
31	Total attributable to regulated service		158,603		
32	Distribution substations and transformers				
33	Directly attributable		59,411		
34	Not directly attributable				
35	Total attributable to regulated service		59,411		
36	Distribution switchgear				
37	Directly attributable		34,087		
38	Not directly attributable				
39	Total attributable to regulated service		34,087		
40	Other network assets				
41	Directly attributable		12,937		
42	Not directly attributable				
43	Total attributable to regulated service		12,937		
44	Non-network assets				
45	Directly attributable		26,311		
46	Not directly attributable		7,077		
47	Total attributable to regulated service		33,388		
48	Regulated service asset value directly attributable		559,925		
49	Regulated service asset value not directly attributable		9,375		
50	Total closing RAB value		569,300		
51	5e(ii): Changes in Asset Allocations* †				
52				(\$000)	
53	Change in asset value allocation 1			CY-1	Current Year (CY)
54	Asset category	Distribution and LV Lines	Original allocation	4,138	4,877
55	Original allocator or line items	ACAM	New allocation	1,790	2,298
56	New allocator or line items	ABAA	Difference	2,348	2,579
57					
58	Rationale for change	Changed to align to new Commerce Commision cost allocation methodology for recognition of mixed use Poles including fibre, Council assets and phone lines. Value is determined by % of pole use.			
59					
60					
61				(\$000)	
62	Change in asset value allocation 2			CY-1	Current Year (CY)
63	Asset category	Non-network assets	Original allocation	12,191	12,458
64	Original allocator or line items	ACAM	New allocation	6,755	7,077
65	New allocator or line items	ABAA	Difference	5,436	5,381
66					
67	Rationale for change	Changed to align to new Commerce Commision cost allocation methodology for recognition of mixed use assets. This figure is for assets that are used by WEL's Contracting division, such as land and buildings, computer equipment and software.			
68					
69					
70				(\$000)	
71	Change in asset value allocation 3			CY-1	Current Year (CY)
72	Asset category		Original allocation		
73	Original allocator or line items		New allocation		
74	New allocator or line items		Difference	–	–
75					
76	Rationale for change				
77					
78					
79	* 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 component.				
80	† include additional rows if needed				

Company Name	WEL Networks Limited
For Year Ended	31 March 2019

SCHEDULE 5f: REPORT SUPPORTING COST ALLOCATIONS

This schedule requires additional detail on the asset allocation methodology applied in allocating asset values that are not directly attributable, to support the information provided in Schedule 5d (Cost allocations). This schedule is not required to be publicly disclosed, but must be disclosed to the Commission.

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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Line Item*	Allocation methodology type	Cost allocator	Allocator type	Allocator Metric (%)		Value allocated (\$000)				OVABAA allocation increase (\$000)
				Electricity distribution services	Non-electricity distribution services	Arm's length deduction	Electricity distribution services	Non-electricity distribution services	Total	
Service interruptions and emergencies										
Insert cost description	e.g. ABAA	Allocator 1	[Select one]						-	
Insert cost description	e.g. ABAA	Allocator 2	[Select one]						-	
Insert cost description	e.g. ABAA	Allocator 3	[Select one]						-	
Insert cost description	e.g. ABAA	Allocator 4	[Select one]						-	
Not directly attributable						-	-	-	-	-
Vegetation management										
Insert cost description	e.g. ABAA	Allocator 1	[Select one]						-	
Insert cost description	e.g. ABAA	Allocator 2	[Select one]						-	
Insert cost description	e.g. ABAA	Allocator 3	[Select one]						-	
Insert cost description	e.g. ABAA	Allocator 4	[Select one]						-	
Not directly attributable						-	-	-	-	-
Routine and corrective maintenance and inspection										
Insert cost description	e.g. ABAA	Allocator 1	[Select one]						-	
Insert cost description	e.g. ABAA	Allocator 2	[Select one]						-	
Insert cost description	e.g. ABAA	Allocator 3	[Select one]						-	
Insert cost description	e.g. ABAA	Allocator 4	[Select one]						-	
Not directly attributable						-	-	-	-	-
Asset replacement and renewal										
Insert cost description	e.g. ABAA	Allocator 1	[Select one]						-	
Insert cost description	e.g. ABAA	Allocator 2	[Select one]						-	
Insert cost description	e.g. ABAA	Allocator 3	[Select one]						-	
Insert cost description	e.g. ABAA	Allocator 4	[Select one]						-	
Not directly attributable						-	-	-	-	-

Company Name	WEL Networks Limited
For Year Ended	31 March 2019

SCHEDULE 5f: REPORT SUPPORTING COST ALLOCATIONS

This schedule requires additional detail on the asset allocation methodology applied in allocating asset values that are not directly attributable, to support the information provided in Schedule 5d (Cost allocations). This schedule is not required to be publicly disclosed, but must be disclosed to the Commission.

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

36	System operations and network support										
37	Insert cost description	e.g. ABAA	Allocator 1	[Select one]						-	
38	Insert cost description	e.g. ABAA	Allocator 2	[Select one]						-	
39	Insert cost description	e.g. ABAA	Allocator 3	[Select one]						-	
40	Insert cost description	e.g. ABAA	Allocator 4	[Select one]						-	
41	Not directly attributable						-	-	-	-	-
42	Business support										
43	Company Admin	ABAA	Asset utilisation	Proxy	80.00%	20.00%		1,834	459	2,293	
	Property	ABAA	Asset utilisation	Proxy	50.00%	50.00%		331	331	662	
	Business Assurance	ABAA	Asset utilisation	Proxy	70.00%	30.00%		721	309	1,030	
	Finance	ABAA	Asset utilisation	Proxy	60.00%	40.00%		1,341	894	2,235	
	Commercial	ABAA	Asset utilisation	Proxy	90.00%	10.00%		1,281	142	1,423	
44	IT	ABAA	Asset utilisation	Proxy	80.00%	20.00%		1,620	405	2,025	
45	Organisational Development	ABAA	Asset utilisation	Proxy	70.00%	30.00%		1,074	461	1,535	
46	Major Business Initiatives	ABAA	Asset utilisation	Proxy	10.00%	90.00%		105	943	1,047	
47	Not directly attributable						-	8,307	3,944	12,250	-
48											
49	Operating costs not directly attributable						-	8,307	3,944	12,250	-
50											
51	Pass through and recoverable costs										
52	Pass through costs										
53	Insert cost description	e.g. ABAA	Allocator 1	[Select one]						-	
54	Insert cost description	e.g. ABAA	Allocator 2	[Select one]						-	
55	Insert cost description	e.g. ABAA	Allocator 3	[Select one]						-	
56	Insert cost description	e.g. ABAA	Allocator 4	[Select one]						-	
57	Not directly attributable						-	-	-	-	-
58	Recoverable costs										
59	Insert cost description	e.g. ABAA	Allocator 1	[Select one]						-	
60	Insert cost description	e.g. ABAA	Allocator 2	[Select one]						-	
61	Insert cost description	e.g. ABAA	Allocator 3	[Select one]						-	
62	Insert cost description	e.g. ABAA	Allocator 4	[Select one]						-	
63	Not directly attributable						-	-	-	-	-
64	* include additional rows if needed										

SCHEDULE 5g: REPORT SUPPORTING ASSET ALLOCATIONS

This schedule requires additional detail on the asset allocation methodology applied in allocating asset values that are not directly attributable, to support the information provided in Schedule 5e (Report on Asset Allocations). This schedule is not required to be publicly disclosed, but must be disclosed to the Commission.

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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Line Item*	Allocation methodology type	Allocator	Allocator type	Allocator Metric (%)		Value allocated (\$000)				OVABAA allocation increase (\$000)
				Electricity distribution services	Non-electricity distribution services	Arm's length deduction	Electricity distribution services	Non-electricity distribution services	Total	
Subtransmission lines										
Insert asset description	e.g. ABAA	Allocator 1	[Select one]						-	
Insert asset description	e.g. ABAA	Allocator 2	[Select one]						-	
Insert asset description	e.g. ABAA	Allocator 3	[Select one]						-	
Insert asset description	e.g. ABAA	Allocator 4	[Select one]						-	
Not directly attributable						-	-	-	-	-
Subtransmission cables										
Insert asset description	e.g. ABAA	Allocator 1	[Select one]						-	
Insert asset description	e.g. ABAA	Allocator 2	[Select one]						-	
Insert asset description	e.g. ABAA	Allocator 3	[Select one]						-	
Insert asset description	e.g. ABAA	Allocator 4	[Select one]						-	
Not directly attributable						-	-	-	-	-
Zone substations										
Insert asset description	e.g. ABAA	Allocator 1	[Select one]						-	
Insert asset description	e.g. ABAA	Allocator 2	[Select one]						-	
Insert asset description	e.g. ABAA	Allocator 3	[Select one]						-	
Insert asset description	e.g. ABAA	Allocator 4	[Select one]						-	
Not directly attributable						-	-	-	-	-
Distribution and LV lines										
% of Poles with other communication devices to total Poles	ABAA	% of mixed use pole	Causal	47.12%	52.88%		2,298	2,579	4,877	
Insert asset description	e.g. ABAA	Allocator 2	[Select one]						-	
Insert asset description	e.g. ABAA	Allocator 3	[Select one]						-	
Insert asset description	e.g. ABAA	Allocator 4	[Select one]						-	
Not directly attributable						-	2,298	2,579	4,877	-

Company Name

For Year Ended

WEL Networks Limited

31 March 2019

SCHEDULE 5g: REPORT SUPPORTING ASSET ALLOCATIONS

This schedule requires additional detail on the asset allocation methodology applied in allocating asset values that are not directly attributable, to support the information provided in Schedule 5e (Report on Asset Allocations). This schedule is not required to be publicly disclosed, but must be disclosed to the Commission.

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

61	Non-network assets										
62		Land and buildings apportioned to WEL's Contracting division	ABAA	Asset utilisation	Proxy	50.00%	50.00%		4,780	4,780	9,560
63		IT hardware and software apportioned to WEL's Contracting division	ABAA	Asset utilisation	Proxy	79.26%	20.74%		2,297	601	2,898
		Insert asset description	e.g. ABAA	Allocator 4	[Select one]						
65		Insert asset description	e.g. ABAA	Allocator 4	[Select one]						-
66		Not directly attributable						-	7,077	5,381	12,458
67											
68		Regulated service asset value not directly attributable						-	9,375	7,960	17,335
69		* include additional rows if needed									

[illegible]



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.

68					
69	<b>6a(vi): Quality of Supply</b>				
70					
71	<i>Project or programme*</i>		(\$000)	(\$000)	
72	Distribution Transformer and LV Feeder Upgrade projects for power quality		344		
73	Power Quality - Works required to correct customer complaints		181		
74	Battery Energy Storage System		217		
75	[Description of material project or programme]				
76	[Description of material project or programme]				
77	<i>* include additional rows if needed</i>				
78	All other projects programmes - quality of supply				
79	<b>Quality of supply expenditure</b>			742	
80	<i>less</i> Capital contributions funding quality of supply				
81	<b>Quality of supply less capital contributions</b>			742	
82					
83	<b>6a(vii): Legislative and Regulatory</b>				
84					
85	<i>Project or programme*</i>		(\$000)	(\$000)	
86	Seismic upgrades of substations		225		
87	[Description of material project or programme]				
88	[Description of material project or programme]				
89	[Description of material project or programme]				
90	[Description of material project or programme]				
91	<i>* include additional rows if needed</i>				
92	All other projects or programmes - legislative and regulatory				
93	<b>Legislative and regulatory expenditure</b>			225	
94	<i>less</i> Capital contributions funding legislative and regulatory			–	
95	<b>Legislative and regulatory less capital contributions</b>			225	
96					
97	<b>6a(viii): Other Reliability, Safety and Environment</b>				
98					
99	<i>Project or programme*</i>		(\$000)	(\$000)	
100	Aircondition for substations		72		
101	Reliability Projects		597		
102	Substation site security access		212		
103	Weavers sub		29		
104	[Description of material project or programme]				
105	<i>* include additional rows if needed</i>				
106	All other projects or programmes - other reliability, safety and environment		28		
107	<b>Other reliability, safety and environment expenditure</b>			938	
108	<i>less</i> Capital contributions funding other reliability, safety and environment			–	
109	<b>Other reliability, safety and environment less capital contributions</b>			938	
110					
111	<b>6a(ix): Non-Network Assets</b>				
112					
113	<b>Routine expenditure</b>				
114					
115	<i>Project or programme*</i>		(\$000)	(\$000)	
116	Computer Equipment		1,305		
117	Comp Software		566		
118	Plant and Equipment		62		
119	Motor Vehicles		136		
120	[Description of material project or programme]				
121	<i>* include additional rows if needed</i>				
122	All other projects or programmes - routine expenditure				
123	<b>Routine expenditure</b>			2,069	
124					
125	<b>Atypical expenditure</b>				
126					
127	<i>Project or programme*</i>		(\$000)	(\$000)	
128	[Description of material project or programme]				
129	[Description of material project or programme]				
130	[Description of material project or programme]				
131	[Description of material project or programme]				
132	[Description of material project or programme]				
133	<i>* include additional rows if needed</i>				
134	All other projects or programmes - atypical expenditure				
135	<b>Atypical expenditure</b>			–	
136					
137	<b>Expenditure on non-network assets</b>			2,069	

Company Name

WEL Networks Limited

For Year Ended

31 March 2019

**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	2,618	
9	Vegetation management	1,302	
10	Routine and corrective maintenance and inspection	1,506	
11	Asset replacement and renewal	1,764	
12	<b>Network opex</b>		7,190
13	System operations and network support	7,430	
14	Business support	8,307	
15	<b>Non-network opex</b>		15,737
16			
17	<b>Operational expenditure</b>		22,927
18	<b>6b(ii): Subcomponents of Operational Expenditure (where known)</b>		
19	Energy efficiency and demand side management, reduction of energy losses		150
20	Direct billing*		—
21	Research and development		50
22	Insurance		388
23	* Direct billing expenditure by suppliers that directly bill the majority of their consumers		



Company Name

WEL Networks Limited

For Year Ended

31 March 2019

**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>	<b>Target (\$000) <sup>1</sup></b>	<b>Actual (\$000)</b>	<b>% variance</b>
8	Line charge revenue	119,860	123,316	3%
9	<b>7(ii): Expenditure on Assets</b>	<b>Forecast (\$000) <sup>2</sup></b>	<b>Actual (\$000)</b>	<b>% variance</b>
10	Consumer connection	14,462	17,159	19%
11	System growth	1,248	288	(77%)
12	Asset replacement and renewal	14,598	14,121	(3%)
13	Asset relocations	2,088	4,409	111%
14	Reliability, safety and environment:			
15	Quality of supply	1,618	742	(54%)
16	Legislative and regulatory	103	225	119%
17	Other reliability, safety and environment	1,150	938	(18%)
18	<b>Total reliability, safety and environment</b>	<b>2,871</b>	<b>1,906</b>	<b>(34%)</b>
19	<b>Expenditure on network assets</b>	<b>35,267</b>	<b>37,884</b>	<b>7%</b>
20	Expenditure on non-network assets	1,513	2,069	37%
21	Expenditure on assets	36,780	39,953	9%
22	<b>7(iii): Operational Expenditure</b>			
23	Service interruptions and emergencies	2,582	2,618	1%
24	Vegetation management	1,360	1,302	(4%)
25	Routine and corrective maintenance and inspection	3,475	1,506	(57%)
26	Asset replacement and renewal	818	1,764	116%
27	<b>Network opex</b>	<b>8,235</b>	<b>7,190</b>	<b>(13%)</b>
28	System operations and network support	8,361	7,430	(11%)
29	Business support	7,775	8,307	7%
30	<b>Non-network opex</b>	<b>16,136</b>	<b>15,737</b>	<b>(2%)</b>
31	<b>Operational expenditure</b>	<b>24,371</b>	<b>22,927</b>	<b>(6%)</b>
32	<b>7(iv): Subcomponents of Expenditure on Assets (where known)</b>			
33	Energy efficiency and demand side management, reduction of energy losses	342	–	(100%)
34	Overhead to underground conversion	500	26	(95%)
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	198	150	(24%)
39	Direct billing	–	–	–
40	Research and development	455	50	(89%)
41	Insurance	384	388	1%
42				
43	<i>1 From the nominal dollar target revenue for the disclosure year disclosed under clause 2.4.3(3) of this determination</i>			
44	<i>2 From the CY+1 nominal dollar expenditure forecasts disclosed in accordance with clause 2.6.6 for the forecast period starting at the beginning of the disclosure year (the second to last disclosure of Schedules 11a and 11b)</i>			

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

This schedule requires the billed quantities and associated line charge revenues for each price category code used by the EDB in its pricing schedules. Information is also required on the number of ICPs that are included in each consumer group or price category code, and the energy delivered to these ICPs.

8(I): Billed Quantities by Price Component																																																																																																																																																																																																																																																																																																																																																																																							
										Billed quantities by price component										Add extra columns for additional billed quantities price component as necessary																																																																																																																																																																																																																																																																																																																																																																			
Price component										Fixed	Fixed	Fixed	Variable Energy	Variable Reactive Energy	Peak Demand	Transformer Rebate	Capacity Charge	Excess Capacity Charge	Prior Periods Adjustment	Prior Periods Adjustment	Prior Periods Adjustment	Prior Periods Adjustment	Prior Periods Adjustment	Prior Periods Adjustment	Prior Periods Adjustment	Prior Periods Adjustment	Prior Periods Adjustment	Prior Periods Adjustment	Prior Periods Adjustment	Prior Periods Adjustment	Prior Periods Adjustment	Prior Periods Adjustment	Prior Periods Adjustment	Prior Periods Adjustment	Prior Periods Adjustment	Prior Periods Adjustment	Prior Periods Adjustment	Prior Periods Adjustment	Prior Periods Adjustment	Prior Periods Adjustment	Prior Periods Adjustment	Prior Periods Adjustment	Prior Periods Adjustment	Prior Periods Adjustment	Prior Periods Adjustment	Prior Periods Adjustment	Prior Periods Adjustment	Prior Periods Adjustment	Prior Periods Adjustment	Prior Periods Adjustment	Prior Periods Adjustment	Prior Periods Adjustment	Prior Periods Adjustment	Prior Periods Adjustment	Prior Periods Adjustment	Prior Periods Adjustment	Prior Periods Adjustment	Prior Periods Adjustment	Prior Periods Adjustment	Prior Periods Adjustment	Prior Periods Adjustment	Prior Periods Adjustment	Prior Periods Adjustment	Prior Periods Adjustment	Prior Periods Adjustment	Prior Periods Adjustment	Prior Periods Adjustment	Prior Periods Adjustment	Prior Periods Adjustment	Prior Periods Adjustment	Prior Periods Adjustment	Prior Periods Adjustment	Prior Periods Adjustment	Prior Periods Adjustment	Prior Periods Adjustment	Prior Periods Adjustment	Prior Periods Adjustment	Prior Periods Adjustment	Prior Periods Adjustment	Prior Periods Adjustment	Prior Periods Adjustment	Prior Periods Adjustment	Prior Periods Adjustment	Prior Periods Adjustment	Prior Periods Adjustment	Prior Periods Adjustment	Prior Periods Adjustment	Prior Periods Adjustment	Prior Periods Adjustment	Prior Periods Adjustment	Prior Periods Adjustment	Prior Periods 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Adjustment	Prior Periods Adjustment	Prior Periods Adjustment	Prior Periods Adjustment	Prior Periods Adjustment	Prior Periods Adjustment	Prior Periods Adjustment	Prior Periods Adjustment	Prior Periods Adjustment	Prior Periods Adjustment	Prior Periods Adjustment	Prior Periods Adjustment	Prior Periods Adjustment	Prior Periods Adjustment	Prior Periods Adjustment	Prior Periods Adjustment	Prior Periods Adjustment	Prior Periods Adjustment	Prior Periods Adjustment	Prior Periods Adjustment	Prior Periods Adjustment	Prior Periods Adjustment	Prior Periods Adjustment	Prior Periods Adjustment	Prior Periods Adjustment	Prior Periods Adjustment	Prior Periods Adjustment	Prior Periods Adjustment	Prior Periods Adjustment	Prior Periods Adjustment	Prior Periods Adjustment	Prior Periods Adjustment	Prior Periods Adjustment	Prior Periods Adjustment	Prior Periods Adjustment	Prior Periods Adjustment	Prior Periods Adjustment	Prior Periods Adjustment	Prior Periods Adjustment	Prior Periods Adjustment	Prior Periods Adjustment	Prior Periods Adjustment	Prior Periods Adjustment	Prior Periods Adjustment	Prior Periods Adjustment	Prior Periods Adjustment	Prior Periods Adjustment	Prior Periods Adjustment	Prior Periods Adjustment	Prior Periods Adjustment	Prior Periods Adjustment	Prior Periods Adjustment	Prior Periods Adjustment	Prior Periods Adjustment	Prior Periods Adjustment	Prior Periods Adjustment	Prior Periods Adjustment	Prior Periods Adjustment	Prior Periods Adjustment	Prior Periods Adjustment	Prior Periods Adjustment	Prior Periods Adjustment	Prior Periods Adjustment	Prior Periods Adjustment	Prior Periods Adjustment	Prior Periods Adjustment	Prior Periods Adjustment	Prior Periods Adjustment	Prior Periods Adjustment	Prior Periods Adjustment	Prior Periods Adjustment	Prior Periods Adjustment	Prior Periods Adjustment	Prior Periods Adjustment	Prior Periods Adjustment	Prior Periods Adjustment	Prior Periods Adjustment	Prior Periods Adjustment	Prior Periods Adjustment	Prior Periods Adjustment	Prior Periods Adjustment	Prior Periods Adjustment	Prior Periods Adjustment	Prior Periods Adjustment	Prior Periods Adjustment	Prior Periods Adjustment	Prior Periods Adjustment	Prior Periods Adjustment	Prior Periods Adjustment	Prior Periods Adjustment	Prior Periods Adjustment	Prior Periods Adjustment	Prior Periods Adjustment	Prior Periods Adjustment	Prior Periods Adjustment	Prior Periods Adjustment	Prior Periods Adjustment	Prior Periods Adjustment	Prior Periods Adjustment	Prior Periods Adjustment	Prior Periods Adjustment	Prior Periods Adjustment	Prior Periods Adjustment	Prior Periods Adjustment	Prior Periods Adjustment	Prior Periods Adjustment	Prior Periods Adjustment	Prior Periods Adjustment	Prior Periods Adjustment	Prior Periods Adjustment	Prior Periods Adjustment	Prior Periods Adjustment	Prior Periods Adjustment	Prior Periods Adjustment	Prior Periods Adjustment	Prior Periods Adjustment	Prior Periods Adjustment	Prior Periods Adjustment	Prior Periods Adjustment	Prior Periods Adjustment	Prior Periods Adjustment	Prior Periods Adjustment	Prior Periods Adjustment	Prior Periods Adjustment	Prior Periods Adjustment	Prior Periods Adjustment	Prior Periods Adjustment	Prior Periods Adjustment	Prior Periods Adjustment	Prior Periods Adjustment	Prior Periods Adjustment	Prior Periods Adjustment	Prior Periods Adjustment	Prior Periods Adjustment	Prior Periods Adjustment	Prior Periods Adjustment	Prior Periods Adjustment	Prior Periods Adjustment	Prior Periods Adjustment	Prior Periods Adjustment	Prior Periods Adjustment	Prior Periods Adjustment	Prior Periods Adjustment	Prior Periods Adjustment	Prior Periods Adjustment	Prior Periods Adjustment	Prior Periods Adjustment	Prior Periods Adjustment	Prior Periods Adjustment	Prior Periods Adjustment	Prior Periods Adjustment	Prior Periods Adjustment	Prior Periods Adjustment	Prior Periods Adjustment	Prior Periods Adjustment	Prior Periods Adjustment	Prior Periods Adjustment	Prior Periods Adjustment	Prior Periods Adjustment	Prior Periods Adjustment	Prior Periods Adjustment	Prior Periods Adjustment	Prior Periods Adjustment	Prior Periods Adjustment	Prior Periods Adjustment	Prior Periods Adjustment	Prior Periods Adjustment	Prior Periods Adjustment	Prior Periods Adjustment	Prior Periods Adjustment	Prior Periods Adjustment	Prior Periods Adjustment	Prior Periods Adjustment	Prior Periods Adjustment	Prior Periods Adjustment	Prior Periods Adjustment	Prior Periods Adjustment	Prior Periods Adjustment	Prior Periods Adjustment	Prior Periods Adjustment	Prior Periods Adjustment	Prior Periods Adjustment	Prior Periods Adjustment	Prior Periods Adjustment	Prior Periods Adjustment	Prior Periods Adjustment	Prior Periods Adjustment	Prior Periods Adjustment	Prior Periods Adjustment	Prior Periods Adjustment	Prior Periods Adjustment	Prior Periods Adjustment	Prior Periods Adjustment	Prior Periods Adjustment	Prior Periods Adjustment	Prior Periods Adjustment	Prior Periods Adjustment	Prior Periods Adjustment	Prior Periods Adjustment	Prior Periods Adjustment	Prior Periods Adjustment	Prior Periods Adjustment	Prior Periods Adjustment	Prior Periods Adjustment	Prior Periods Adjustment	Prior Periods Adjustment	Prior Periods Adjustment	Prior Periods Adjustment	Prior Periods Adjustment	Prior Periods Adjustment	Prior Periods Adjustment	Prior Periods Adjustment	Prior Periods Adjustment	Prior Periods Adjustment	Prior Periods Adjustment	Prior Periods Adjustment	Prior Periods Adjustment	Prior Periods Adjustment	Prior Periods Adjustment	Prior Periods Adjustment	Prior Periods Adjustment	Prior Periods Adjustment	Prior Periods Adjustment	Prior Periods Adjustment	Prior Periods Adjustment	Prior Periods Adjustment	Prior Periods Adjustment	Prior Periods Adjustment	Prior Periods Adjustment	Prior Periods Adjustment	Prior Periods Adjustment	Prior Periods Adjustment	Prior Periods Adjustment	Prior Periods Adjustment	Prior Periods Adjustment	Prior Periods Adjustment	Prior Periods Adjustment	Prior Periods Adjustment	Prior Periods Adjustment	Prior Periods Adjustment	Prior Periods Adjustment	Prior Periods Adjustment	Prior Periods Adjustment	Prior Periods Adjustment



EDB-ID-determination-templates-for-schedules-1-to-10-v4.1- March 2019.xlsx	24	S9a.Asset Register
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This schedule requires a summary of the age profile (based on year of installation) of the assets that make up the network, by asset category and asset class. All units relating to cable and line assets, that are expressed in km, refer to circuit lengths.

Disclosure Year (year ended)	31 March 2019
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EDB-ID-determination-templates-for-schedules-1-to-10-v4.1- March 2019.xlsx

Company Name

For Year Ended

Network / Sub-network Name

WEL Networks Limited

31 March 2019

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)

11

> 66kV

Overhead (km)

Underground (km)

Total circuit length (km)

12

50kV & 66kV

13

33kV

14

SWER (all SWER voltages)

15

22kV (other than SWER)

16

6.6kV to 11kV (inclusive—other than SWER)

17

Low voltage (< 1kV)

18

Total circuit length (for supply)

19

20

Dedicated street lighting circuit length (km)

21

Circuit in sensitive areas (conservation areas, iwi territory etc) (km)

22

23

Overhead circuit length by terrain (at year end)

24

Urban

25

Rural

26

Remote only

27

Rugged only

28

Remote and rugged

29

Unallocated overhead lines

30

Total overhead length

31

32

33

Length of circuit within 10km of coastline or geothermal areas (where known)

34

35

Overhead circuit requiring vegetation management

287

967

1,255

882

541

17%

1,914

61%

695

22%

3,149

100%

379

7%

2,236

71%

Company Name

For Year Ended

WEL Networks Limited

31 March 2019

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	Brick Street	18	140
10	Flagship	3	88
11	Halfmoon Bay	59	64
12	Hulme Place	31	22
13	Jeffer Road Dannemora	883	714
14	Kirkdale	266	220
15	Oaklands	178	160
16	Porchester Road	277	248
17	Ryan Place	70	53
18	Southgate	109	100
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

WEL Networks Limited

For Year Ended

31 March 2019

Network / Sub-network Name

**SCHEDULE 9e: REPORT ON NETWORK DEMAND**

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

sch ref

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

Number of ICPs connected in year by consumer type

Consumer types defined by EDB\*

Residential Low User (1153)
Residential Standard User (1154)
General (1200)
Small Scale DG Low User (1250)
Small Scale DG Standard User (1251)
Metered and Unmetered Streetlighting (1293)
Low Voltage (440V) (1360)
Residential Standard User Conditional (1154C)
Small Scale DG Standard User Conditional (1251C)

\* include additional rows if needed

Connections total

Number of  
connections (ICPs)

977
138
96
149
59
3
30
54
6

1,512

**Distributed generation**

Number of connections made in year

Capacity of distributed generation installed in year

217

connections

1.00

MVA

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

GXP demand

plus Distributed generation output at HV and above

**Maximum coincident system demand**

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

**Demand on system for supply to consumers' connection points**Demand at time  
of maximum  
coincident  
demand (MW)

197
81
278
—
278

**Electricity volumes carried**

Electricity supplied from GXPs

less Electricity exports to GXPs

plus Electricity supplied from distributed generation

less Net electricity supplied to (from) other EDBs

**Electricity entering system for supply to consumers' connection points**

less Total energy delivered to ICPs

**Electricity losses (loss ratio)**

Energy (GWh)

990
63
394
(15)
1,336
1,285
51

3.8%

Load factor

0.55

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

Distribution transformer capacity (EDB owned)

Distribution transformer capacity (Non-EDB owned, estimated)

**Total distribution transformer capacity****Zone substation transformer capacity**

(MVA)

910
28
938
766



Company Name	WEL Networks Limited
For Year Ended	31 March 2019
Network / Sub-network Name	

SCHEDULE 10: REPORT ON NETWORK RELIABILITY

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

sch ref

8	10(i): Interruptions		
9	Interruptions by class	Number of interruptions	
10	Class A (planned interruptions by Transpower)	–	
11	Class B (planned interruptions on the network)	542	
12	Class C (unplanned interruptions on the network)	802	
13	Class D (unplanned interruptions by Transpower)	4	
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)	3	
17	Class H (planned interruptions caused by another disclosing entity)	–	
18	Class I (interruptions caused by parties not included above)	–	
19	Total	1,351	
20			
21	Interruption restoration	≤3Hrs	>3hrs
22	Class C interruptions restored within	479	323
23			
24	SAIFI and SAIDI by class	SAIFI	SAIDI
25	Class A (planned interruptions by Transpower)	–	–
26	Class B (planned interruptions on the network)	0.3	40.1
27	Class C (unplanned interruptions on the network)	1.4	73.6
28	Class D (unplanned interruptions by Transpower)	0.1	0.8
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)	0.0	1.8
32	Class H (planned interruptions caused by another disclosing entity)	–	–
33	Class I (interruptions caused by parties not included above)	–	–
34	Total	1.74	116.3
35			
36	Normalised SAIFI and SAIDI	Normalised SAIFI	Normalised SAIDI
37	Classes B & C (interruptions on the network)	1.66	113.67
38			

Company Name	WEL Networks Limited
For Year Ended	31 March 2019
Network / Sub-network Name	

SCHEDULE 10: REPORT ON NETWORK RELIABILITY

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

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

Cause

Lightning  
Vegetation  
Adverse weather  
Adverse environment  
Third party interference  
Wildlife  
Human error  
Defective equipment  
Cause unknown

SAIFI	SAIDI
0.2	6.9
0.1	7.3
0.3	11.0
0.0	0.2
0.1	11.5
0.0	2.7
0.0	0.3
0.4	27.5
0.3	6.1

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

Main equipment involved

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

SAIFI	SAIDI
–	–
–	–
–	–
0.09	20.11
–	–
0.17	19.99

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

Main equipment involved

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

SAIFI	SAIDI
0.28	3.45
–	–
0.05	1.09
0.80	47.30
0.13	7.22
0.14	14.50

10(v): Fault Rate

Main equipment involved

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

Number of Faults	Circuit length (km)
9	187
–	15
3	
280	1,926
51	113
459	
802	

Fault rate (faults per 100km)
4.81
–
14.53
44.96

Company Name	WEL Networks Limited
AMP Planning Period	1 April 2018 – 31 March 2028

SCHEDULE 11a: REPORT ON FORECAST CAPITAL EXPENDITURE

This schedule requires a breakdown of forecast expenditure on assets for the current disclosure year and a 10 year planning period. The forecasts should be consistent with the supporting information set out in the AMP. The forecast is to be expressed in both constant price and nominal dollar terms. Also required is a forecast of the value of commissioned assets (i.e., the value of RAB additions)  
EDBs must provide explanatory comment on the difference between constant price and nominal dollar forecasts of expenditure on assets in Schedule 14a (Mandatory Explanatory Notes).  
This information is not part of audited disclosure information.

sch ref													
7			Current Year CY	CY+1	CY+2	CY+3	CY+4	CY+5	CY+6	CY+7	CY+8	CY+9	CY+10
8		for year ended	31 Mar 18	31 Mar 19	31 Mar 20	31 Mar 21	31 Mar 22	31 Mar 23	31 Mar 24	31 Mar 25	31 Mar 26	31 Mar 27	31 Mar 28
9	11a(i): Expenditure on Assets Forecast		\$000 (in nominal dollars)										
10		Consumer connection											
11		System growth											
12		Asset replacement and renewal											
13		Asset relocations											
14		Reliability, safety and environment:											
15		Quality of supply											
16		Legislative and regulatory											
17		Other reliability, safety and environment											
18		Total reliability, safety and environment	-	-	-	-	-	-	-	-	-	-	-
19		Expenditure on network assets	-	-	-	-	-	-	-	-	-	-	-
20		Expenditure on non-network assets											
21		Expenditure on assets	-	-	-	-	-	-	-	-	-	-	-
22													
23	plus	Cost of financing											
24	less	Value of capital contributions											
25	plus	Value of vested assets											
26													
27		Capital expenditure forecast	-	-	-	-	-	-	-	-	-	-	-
28													
29		Assets commissioned											
30			Current Year CY	CY+1	CY+2	CY+3	CY+4	CY+5	CY+6	CY+7	CY+8	CY+9	CY+10
31		for year ended	31 Mar 18	31 Mar 19	31 Mar 20	31 Mar 21	31 Mar 22	31 Mar 23	31 Mar 24	31 Mar 25	31 Mar 26	31 Mar 27	31 Mar 28
32			\$000 (in constant prices)										
33		Consumer connection	-	-	-	-	-	-					
34		System growth	-	-	-	-	-	-					
35		Asset replacement and renewal	-	-	-	-	-	-					
36		Asset relocations	-	-	-	-	-	-					
37		Reliability, safety and environment:											
38		Quality of supply	-	-	-	-	-	-					
39		Legislative and regulatory	-	-	-	-	-	-					
40		Other reliability, safety and environment	-	-	-	-	-	-					
41		Total reliability, safety and environment	-	-	-	-	-	-	-	-	-	-	-
42		Expenditure on network assets	-	-	-	-	-	-	-	-	-	-	-
43		Expenditure on non-network assets	-	-	-	-	-	-					
44		Expenditure on assets	-	-	-	-	-	-	-	-	-	-	-
45													
46		Subcomponents of expenditure on assets (where known)											
47		Energy efficiency and demand side management, reduction of energy losses											
48		Overhead to underground conversion											
49		Research and development											

Company Name	WEL Networks Limited
AMP Planning Period	1 April 2018 – 31 March 2028

SCHEDULE 11a: REPORT ON FORECAST CAPITAL EXPENDITURE

This schedule requires a breakdown of forecast expenditure on assets for the current disclosure year and a 10 year planning period. The forecasts should be consistent with the supporting information set out in the AMP. The forecast is to be expressed in both constant price and nominal dollar terms. Also required is a forecast of the value of commissioned assets (i.e., the value of RAB additions)  
EDBs must provide explanatory comment on the difference between constant price and nominal dollar forecasts of expenditure on assets in Schedule 14a (Mandatory Explanatory Notes).  
This information is not part of audited disclosure information.

sch ref

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SCHEDULE 11a: REPORT ON FORECAST CAPITAL EXPENDITURE

This schedule requires a breakdown of forecast expenditure on assets for the current disclosure year and a 10 year planning period. The forecasts should be consistent with the supporting information set out in the AMP. The forecast is to be expressed in both constant price and nominal dollar terms. Also required is a forecast of the value of commissioned assets (i.e., the value of RAB additions)  
EDBs must provide explanatory comment on the difference between constant price and nominal dollar forecasts of expenditure on assets in Schedule 14a (Mandatory Explanatory Notes).  
This information is not part of audited disclosure information.

sch ref

91			Current Year CY	CY+1	CY+2	CY+3	CY+4	CY+5
92		for year ended	31 Mar 18	31 Mar 19	31 Mar 20	31 Mar 21	31 Mar 22	31 Mar 23
93	11a(iv): Asset Replacement and Renewal		\$000 (in constant prices)					
94	Subtransmission							
95	Zone substations							
96	Distribution and LV lines							
97	Distribution and LV cables							
98	Distribution substations and transformers							
99	Distribution switchgear							
100	Other network assets							
101	Asset replacement and renewal expenditure		-	-	-	-	-	-
102	less Capital contributions funding asset replacement and renewal							
103	Asset replacement and renewal less capital contributions		-	-	-	-	-	-
104								
105			Current Year CY	CY+1	CY+2	CY+3	CY+4	CY+5
106		for year ended	31 Mar 18	31 Mar 19	31 Mar 20	31 Mar 21	31 Mar 22	31 Mar 23
107	11a(v): Asset Relocations		\$000 (in constant prices)					
108	Project or programme*							
109	[Description of material project or programme]							
110	[Description of material project or programme]							
111	[Description of material project or programme]							
112	[Description of material project or programme]							
113	[Description of material project or programme]							
114	*include additional rows if needed							
115	All other project or programmes - asset relocations							
116	Asset relocations expenditure		-	-	-	-	-	-
117	less Capital contributions funding asset relocations							
118	Asset relocations less capital contributions		-	-	-	-	-	-
119								
120			Current Year CY	CY+1	CY+2	CY+3	CY+4	CY+5
121		for year ended	31 Mar 18	31 Mar 19	31 Mar 20	31 Mar 21	31 Mar 22	31 Mar 23
122	11a(vi): Quality of Supply		\$000 (in constant prices)					
123	Project or programme*							
124	[Description of material project or programme]							
125	[Description of material project or programme]							
126	[Description of material project or programme]							
127	[Description of material project or programme]							
128	[Description of material project or programme]							
129	*include additional rows if needed							
130	All other projects or programmes - quality of supply							
131	Quality of supply expenditure		-	-	-	-	-	-
132	less Capital contributions funding quality of supply							
133	Quality of supply less capital contributions		-	-	-	-	-	-
134								

Company Name	WEL Networks Limited
AMP Planning Period	1 April 2018 – 31 March 2028

SCHEDULE 11a: REPORT ON FORECAST CAPITAL EXPENDITURE

This schedule requires a breakdown of forecast expenditure on assets for the current disclosure year and a 10 year planning period. The forecasts should be consistent with the supporting information set out in the AMP. The forecast is to be expressed in both constant price and nominal dollar terms. Also required is a forecast of the value of commissioned assets (i.e., the value of RAB additions)  
EDBs must provide explanatory comment on the difference between constant price and nominal dollar forecasts of expenditure on assets in Schedule 14a (Mandatory Explanatory Notes).  
This information is not part of audited disclosure information.

sch ref

135  
136

	Current Year CY	CY+1	CY+2	CY+3	CY+4	CY+5
for year ended	31 Mar 18	31 Mar 19	31 Mar 20	31 Mar 21	31 Mar 22	31 Mar 23

11a(vii): Legislative and Regulatory

Project or programme*	\$000 (in constant prices)					
[Description of material project or programme]						
[Description of material project or programme]						
[Description of material project or programme]						
[Description of material project or programme]						
[Description of material project or programme]						
*include additional rows if needed						
All other projects or programmes - legislative and regulatory						
Legislative and regulatory expenditure	-	-	-	-	-	-
less Capital contributions funding legislative and regulatory						
Legislative and regulatory less capital contributions	-	-	-	-	-	-

	Current Year CY	CY+1	CY+2	CY+3	CY+4	CY+5
for year ended	31 Mar 18	31 Mar 19	31 Mar 20	31 Mar 21	31 Mar 22	31 Mar 23

11a(viii): Other Reliability, Safety and Environment

Project or programme*	\$000 (in constant prices)					
[Description of material project or programme]						
[Description of material project or programme]						
[Description of material project or programme]						
[Description of material project or programme]						
[Description of material project or programme]						
*include additional rows if needed						
All other projects or programmes - other reliability, safety and environment						
Other reliability, safety and environment expenditure	-	-	-	-	-	-
less Capital contributions funding other reliability, safety and environment						
Other reliability, safety and environment less capital contributions	-	-	-	-	-	-

	Current Year CY	CY+1	CY+2	CY+3	CY+4	CY+5
for year ended	31 Mar 18	31 Mar 19	31 Mar 20	31 Mar 21	31 Mar 22	31 Mar 23

11a(ix): Non-Network Assets

Routine expenditure	\$000 (in constant prices)					
Project or programme*						
[Description of material project or programme]						
[Description of material project or programme]						
[Description of material project or programme]						
[Description of material project or programme]						
[Description of material project or programme]						
*include additional rows if needed						
All other projects or programmes - routine expenditure						
Routine expenditure	-	-	-	-	-	-
Atypical expenditure						
Project or programme*						
[Description of material project or programme]						
[Description of material project or programme]						
[Description of material project or programme]						
[Description of material project or programme]						
[Description of material project or programme]						
*include additional rows if needed						
All other projects or programmes - atypical expenditure						
Atypical expenditure	-	-	-	-	-	-
Expenditure on non-network assets	-	-	-	-	-	-



Company Name	WEL Networks Limited
AMP Planning Period	1 April 2018 – 31 March 2028

SCHEDULE 11b: REPORT ON FORECAST OPERATIONAL EXPENDITURE

This schedule requires a breakdown of forecast operational expenditure for the disclosure year and a 10 year planning period. The forecasts should be consistent with the supporting information set out in the AMP. The forecast is to be expressed in both constant price and nominal dollar terms. EDBs must provide explanatory comment on the difference between constant price and nominal dollar operational expenditure forecasts in Schedule 14a (Mandatory Explanatory Notes). This information is not part of audited disclosure information.

sch ref

7			Current Year CY	CY+1	CY+2	CY+3	CY+4	CY+5	CY+6	CY+7	CY+8	CY+9	CY+10
8		for year ended	31 Mar 18	31 Mar 19	31 Mar 20	31 Mar 21	31 Mar 22	31 Mar 23	31 Mar 24	31 Mar 25	31 Mar 26	31 Mar 27	31 Mar 28
9	Operational Expenditure Forecast		\$000 (in nominal dollars)										
10	Service interruptions and emergencies												
11	Vegetation management												
12	Routine and corrective maintenance and inspection												
13	Asset replacement and renewal												
14	Network Opex		-	-	-	-	-	-	-	-	-	-	-
15	System operations and network support												
16	Business support												
17	Non-network opex		-	-	-	-	-	-	-	-	-	-	-
18	Operational expenditure		-	-	-	-	-	-	-	-	-	-	-
19			Current Year CY	CY+1	CY+2	CY+3	CY+4	CY+5	CY+6	CY+7	CY+8	CY+9	CY+10
20		for year ended	31 Mar 18	31 Mar 19	31 Mar 20	31 Mar 21	31 Mar 22	31 Mar 23	31 Mar 24	31 Mar 25	31 Mar 26	31 Mar 27	31 Mar 28
21			\$000 (in constant prices)										
22	Service interruptions and emergencies												
23	Vegetation management												
24	Routine and corrective maintenance and inspection												
25	Asset replacement and renewal												
26	Network Opex		-	-	-	-	-	-	-	-	-	-	-
27	System operations and network support												
28	Business support												
29	Non-network opex		-	-	-	-	-	-	-	-	-	-	-
30	Operational expenditure		-	-	-	-	-	-	-	-	-	-	-
31	Subcomponents of operational expenditure (where known)												
32	Energy efficiency and demand side management, reduction of												
33	energy losses												
34	Direct billing*												
35	Research and Development												
36	Insurance												
37	* Direct billing expenditure by suppliers that direct bill the majority of their consumers												
38			Current Year CY	CY+1	CY+2	CY+3	CY+4	CY+5	CY+6	CY+7	CY+8	CY+9	CY+10
39		for year ended	31 Mar 18	31 Mar 19	31 Mar 20	31 Mar 21	31 Mar 22	31 Mar 23	31 Mar 24	31 Mar 25	31 Mar 26	31 Mar 27	31 Mar 28
40													
41	Difference between nominal and real forecasts		\$000										
42	Service interruptions and emergencies		-	-	-	-	-	-	-	-	-	-	-
43	Vegetation management		-	-	-	-	-	-	-	-	-	-	-
44	Routine and corrective maintenance and inspection		-	-	-	-	-	-	-	-	-	-	-
45	Asset replacement and renewal		-	-	-	-	-	-	-	-	-	-	-
46	Network Opex		-	-	-	-	-	-	-	-	-	-	-
47	System operations and network support		-	-	-	-	-	-	-	-	-	-	-
48	Business support		-	-	-	-	-	-	-	-	-	-	-
49	Non-network opex		-	-	-	-	-	-	-	-	-	-	-
50	Operational expenditure		-	-	-	-	-	-	-	-	-	-	-

Company Name	WEL Networks Limited
AMP Planning Period	1 April 2018 – 31 March 2028

SCHEDULE 12a: REPORT ON ASSET CONDITION

This schedule requires a breakdown of asset condition by asset class as at the start of the forecast year. The data accuracy assessment relates to the percentage values disclosed in the asset condition columns. Also required is a forecast of the percentage of units to be replaced in the next 5 years. All information should be consistent with the information provided in the AMP and the expenditure on assets forecast in Schedule 11a. All units relating to cable and line assets, that are expressed in km, refer to circuit lengths.

Asset condition at start of planning period (percentage of units by grade)												
	Voltage	Asset category	Asset class	Units	H1	H2	H3	H4	H5	Grade unknown	Data accuracy (1–4)	% of asset forecast to be replaced in next 5 years
	All	Overhead Line	Concrete poles / steel structure	No.							[Select one]	
	All	Overhead Line	Wood poles	No.							[Select one]	
	All	Overhead Line	Other pole types	No.							[Select one]	
	HV	Subtransmission Line	Subtransmission OH up to 66kV conductor	km							[Select one]	
	HV	Subtransmission Line	Subtransmission OH 110kV+ conductor	km							[Select one]	
	HV	Subtransmission Cable	Subtransmission UG up to 66kV (XLPE)	km							[Select one]	
	HV	Subtransmission Cable	Subtransmission UG up to 66kV (Oil pressurised)	km							[Select one]	
	HV	Subtransmission Cable	Subtransmission UG up to 66kV (Gas pressurised)	km							[Select one]	
	HV	Subtransmission Cable	Subtransmission UG up to 66kV (PILC)	km							[Select one]	
	HV	Subtransmission Cable	Subtransmission UG 110kV+ (XLPE)	km							[Select one]	
	HV	Subtransmission Cable	Subtransmission UG 110kV+ (Oil pressurised)	km							[Select one]	
	HV	Subtransmission Cable	Subtransmission UG 110kV+ (Gas Pressurised)	km							[Select one]	
	HV	Subtransmission Cable	Subtransmission UG 110kV+ (PILC)	km							[Select one]	
	HV	Subtransmission Cable	Subtransmission submarine cable	km							[Select one]	
	HV	Zone substation Buildings	Zone substations up to 66kV	No.							[Select one]	
	HV	Zone substation Buildings	Zone substations 110kV+	No.							[Select one]	
	HV	Zone substation switchgear	22/33kV CB (Indoor)	No.							[Select one]	
	HV	Zone substation switchgear	22/33kV CB (Outdoor)	No.							[Select one]	
	HV	Zone substation switchgear	33kV Switch (Ground Mounted)	No.							[Select one]	
	HV	Zone substation switchgear	33kV Switch (Pole Mounted)	No.							[Select one]	
	HV	Zone substation switchgear	33kV RMU	No.							[Select one]	
	HV	Zone substation switchgear	50/66/110kV CB (Indoor)	No.							[Select one]	
	HV	Zone substation switchgear	50/66/110kV CB (Outdoor)	No.							[Select one]	
	HV	Zone substation switchgear	3.3/6.6/11/22kV CB (ground mounted)	No.							[Select one]	
	HV	Zone substation switchgear	3.3/6.6/11/22kV CB (pole mounted)	No.							[Select one]	



Company Name	WEL Networks Limited
AMP Planning Period	1 April 2018 – 31 March 2028

SCHEDULE 12a: REPORT ON ASSET CONDITION

This schedule requires a breakdown of asset condition by asset class as at the start of the forecast year. The data accuracy assessment relates to the percentage values disclosed in the asset condition columns. Also required is a forecast of the percentage of units to be replaced in the next 5 years. All information should be consistent with the information provided in the AMP and the expenditure on assets forecast in Schedule 11a. All units relating to cable and line assets, that are expressed in km, refer to circuit lengths.

sch ref

Asset condition at start of planning period (percentage of units by grade)												
	Voltage	Asset category	Asset class	Units	H1	H2	H3	H4	H5	Grade unknown	Data accuracy (1–4)	% of asset forecast to be replaced in next 5 years
36												
37												
38												
39	HV	Zone Substation Transformer	Zone Substation Transformers	No.							[Select one]	
40	HV	Distribution Line	Distribution OH Open Wire Conductor	km							[Select one]	
41	HV	Distribution Line	Distribution OH Aerial Cable Conductor	km							[Select one]	
42	HV	Distribution Line	SWER conductor	km							[Select one]	
43	HV	Distribution Cable	Distribution UG XLPE or PVC	km							[Select one]	
44	HV	Distribution Cable	Distribution UG PILC	km							[Select one]	
45	HV	Distribution Cable	Distribution Submarine Cable	km							[Select one]	
46	HV	Distribution switchgear	3.3/6.6/11/22kV CB (pole mounted) - reclosers and sectionalisers	No.							[Select one]	
47	HV	Distribution switchgear	3.3/6.6/11/22kV CB (Indoor)	No.							[Select one]	
48	HV	Distribution switchgear	3.3/6.6/11/22kV Switches and fuses (pole mounted)	No.							[Select one]	
49	HV	Distribution switchgear	3.3/6.6/11/22kV Switch (ground mounted) - except RMU	No.							[Select one]	
50	HV	Distribution switchgear	3.3/6.6/11/22kV RMU	No.							[Select one]	
51	HV	Distribution Transformer	Pole Mounted Transformer	No.							[Select one]	
52	HV	Distribution Transformer	Ground Mounted Transformer	No.							[Select one]	
53	HV	Distribution Transformer	Voltage regulators	No.							[Select one]	
54	HV	Distribution Substations	Ground Mounted Substation Housing	No.							[Select one]	
55	LV	LV Line	LV OH Conductor	km							[Select one]	
56	LV	LV Cable	LV UG Cable	km							[Select one]	
57	LV	LV Streetlighting	LV OH/UG Streetlight circuit	km							[Select one]	
58	LV	Connections	OH/UG consumer service connections	No.							[Select one]	
59	All	Protection	Protection relays (electromechanical, solid state and numeric)	No.							[Select one]	
60	All	SCADA and communications	SCADA and communications equipment operating as a single system	Lot							[Select one]	
61	All	Capacitor Banks	Capacitors including controls	No.							[Select one]	
62	All	Load Control	Centralised plant	Lot							[Select one]	
63	All	Load Control	Relays	No.							[Select one]	
64	All	Civils	Cable Tunnels	km							[Select one]	

Company Name	WEL Networks Limited
AMP Planning Period	1 April 2018 – 31 March 2028

SCHEDULE 12b: REPORT ON FORECAST CAPACITY

This schedule requires a breakdown of current and forecast capacity and utilisation for each zone substation and current distribution transformer capacity. The data provided should be consistent with the information provided in the AMP. Information provided in this table should relate to the operation of the network in its normal steady state configuration.

12b(i): System Growth - Zone Substations										
		Current Peak Load (MVA)	Installed Firm Capacity (MVA)	Security of Supply Classification (type)	Transfer Capacity (MVA)	Utilisation of Installed Firm Capacity %	Installed Firm Capacity +5 years (MVA)	Utilisation of Installed Firm Capacity + 5yrs %	Installed Firm Capacity Constraint +5 years (cause)	Explanation
	Existing Zone Substations									
	[Zone Substation_01]					-			[Select one]	
	[Zone Substation_02]					-			[Select one]	
	[Zone Substation_03]					-			[Select one]	
	[Zone Substation_04]					-			[Select one]	
	[Zone Substation_05]					-			[Select one]	
	[Zone Substation_06]					-			[Select one]	
	[Zone Substation_07]					-			[Select one]	
	[Zone Substation_08]					-			[Select one]	
	[Zone Substation_09]					-			[Select one]	
	[Zone Substation_10]					-			[Select one]	
	[Zone Substation_11]					-			[Select one]	
	[Zone Substation_12]					-			[Select one]	
	[Zone Substation_13]					-			[Select one]	
	[Zone Substation_14]					-			[Select one]	
	[Zone Substation_15]					-			[Select one]	
	[Zone Substation_16]					-			[Select one]	
	[Zone Substation_17]					-			[Select one]	
	[Zone Substation_18]					-			[Select one]	
	[Zone Substation_19]					-			[Select one]	
	[Zone Substation_20]					-			[Select one]	
	<sup>1</sup> Extend forecast capacity table as necessary to disclose all capacity by each zone substation									

Company Name  
WEL Networks Limited

AMP Planning Period  
1 April 2018 – 31 March 2028

SCHEDULE 12C: REPORT ON FORECAST NETWORK DEMAND

This schedule requires a forecast of new connections (by consumer type), peak demand and energy volumes for the disclosure year and a 5 year planning period. The forecasts should be consistent with the supporting information set out in the AMP as well as the assumptions used in developing the expenditure forecasts in Schedule 11a and Schedule 11b and the capacity and utilisation forecasts in Schedule 12b.

sch ref

7	12c(i): Consumer Connections						
8	Number of ICPs connected in year by consumer type						
9							
10		for year ended	Current Year CY 31 Mar 18	CY+1 31 Mar 19	Number of connections CY+2 31 Mar 20	CY+3 31 Mar 21	CY+4 31 Mar 22
11	Consumer types defined by EDB*						
12	[EDB consumer type]						
13	[EDB consumer type]						
14	[EDB consumer type]						
15	[EDB consumer type]						
16	[EDB consumer type]						
17	Connections total		-	-	-	-	-
18	*include additional rows if needed						
19	Distributed generation						
20	Number of connections						
21	Capacity of distributed generation installed in year (MVA)						
22	12c(ii) System Demand						
23							
24	Maximum coincident system demand (MW)	for year ended	Current Year CY 31 Mar 18	CY+1 31 Mar 19	CY+2 31 Mar 20	CY+3 31 Mar 21	CY+4 31 Mar 22
25	GXP demand						
26	plus Distributed generation output at HV and above						
27	Maximum coincident system demand		-	-	-	-	-
28	less Net transfers to (from) other EDBs at HV and above						
29	Demand on system for supply to consumers' connection points		-	-	-	-	-
30	Electricity volumes carried (GWh)						
31	Electricity supplied from GXPs						
32	less Electricity exports to GXPs						
33	plus Electricity supplied from distributed generation						
34	less Net electricity supplied to (from) other EDBs						
35	Electricity entering system for supply to ICPs		-	-	-	-	-
36	less Total energy delivered to ICPs						
37	Losses		-	-	-	-	-
38							
39	Load factor		-	-	-	-	-
40	Loss ratio		-	-	-	-	-

Company Name	WEL Networks Limited
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Network / Sub-network Name	

SCHEDULE 12d: REPORT FORECAST INTERRUPTIONS AND DURATION

This schedule requires a forecast of SAIFI and SAIDI for disclosure and a 5 year planning period. The forecasts should be consistent with the supporting information set out in the AMP as well as the assumed impact of planned and unplanned SAIFI and SAIDI on the expenditures forecast provided in Schedule 11a and Schedule 11b.

sch ref			Current Year CY	CY+1	CY+2	CY+3	CY+4	CY+5
8								
9		for year ended	31 Mar 18	31 Mar 19	31 Mar 20	31 Mar 21	31 Mar 22	31 Mar 23
10	SAIDI							
11	Class B (planned interruptions on the network)							
12	Class C (unplanned interruptions on the network)							
13	SAIFI							
14	Class B (planned interruptions on the network)							
15	Class C (unplanned interruptions on the network)							

Company Name

AMP Planning Period

Asset Management Standard Applied

WEL Networks Limited

1 April 2018 – 31 March 2028

SCHEDULE 13: REPORT ON ASSET MANAGEMENT MATURITY

This schedule requires information on the EDB'S self-assessment of the maturity of its asset management practices .

Question No.	Function	Question	Score	Evidence—Summary	User Guidance	Why	Who	Record/documented Information
3	Asset management policy	To what extent has an asset management policy been documented, authorised and communicated?				Widely used AM practice standards require an organisation to document, authorise and communicate its asset management policy (eg, as required in PAS 55 para 4.2 i). A key pre-requisite of any robust policy is that the organisation's top management must be seen to endorse and fully support it. Also vital to the effective implementation of the policy, is to tell the appropriate people of its content and their obligations under it. Where an organisation outsources some of its asset-related activities, then these people and their organisations must equally be made aware of the policy's content. Also, there may be other stakeholders, such as regulatory authorities and shareholders who should be made aware of it.	Top management. The management team that has overall responsibility for asset management.	The organisation's asset management policy, its organisational strategic plan, documents indicating how the asset management policy was based upon the needs of the organisation and evidence of communication.
10	Asset management strategy	What has the organisation done to ensure that its asset management strategy is consistent with other appropriate organisational policies and strategies, and the needs of stakeholders?				In setting an organisation's asset management strategy, it is important that it is consistent with any other policies and strategies that the organisation has and has taken into account the requirements of relevant stakeholders. This question examines to what extent the asset management strategy is consistent with other organisational policies and strategies (eg, as required by PAS 55 para 4.3.1 b) and has taken account of stakeholder requirements as required by PAS 55 para 4.3.1 c). Generally, this will take into account the same polices, strategies and stakeholder requirements as covered in drafting the asset management policy but at a greater level of detail.	Top management. The organisation's strategic planning team. The management team that has overall responsibility for asset management.	The organisation's asset management strategy document and other related organisational policies and strategies. Other than the organisation's strategic plan, these could include those relating to health and safety, environmental, etc. Results of stakeholder consultation.
11	Asset management strategy	In what way does the organisation's asset management strategy take account of the lifecycle of the assets, asset types and asset systems over which the organisation has stewardship?				Good asset stewardship is the hallmark of an organisation compliant with widely used AM standards. A key component of this is the need to take account of the lifecycle of the assets, asset types and asset systems. (For example, this requirement is recognised in 4.3.1 d) of PAS 55). This question explores what an organisation has done to take lifecycle into account in its asset management strategy.	Top management. People in the organisation with expert knowledge of the assets, asset types, asset systems and their associated life-cycles. The management team that has overall responsibility for asset management. Those responsible for developing and adopting methods and processes used in asset management	The organisation's documented asset management strategy and supporting working documents.
26	Asset management plan(s)	How does the organisation establish and document its asset management plan(s) across the life cycle activities of its assets and asset systems?				The asset management strategy need to be translated into practical plan(s) so that all parties know how the objectives will be achieved. The development of plan(s) will need to identify the specific tasks and activities required to optimize costs, risks and performance of the assets and/or asset system(s), when they are to be carried out and the resources required.	The management team with overall responsibility for the asset management system. Operations, maintenance and engineering managers.	The organisation's asset management plan(s).

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SCHEDULE 13: REPORT ON ASSET MANAGEMENT MATURITY (cont)							
Question No.	Function	Question	Maturity Level 0	Maturity Level 1	Maturity Level 2	Maturity Level 3	Maturity Level 4
3	Asset management policy	To what extent has an asset management policy been documented, authorised and communicated?	The organisation does not have a documented asset management policy.	The organisation has an asset management policy, but it has not been authorised by top management, or it is not influencing the management of the assets.	The organisation has an asset management policy, which has been authorised by top management, but it has had limited circulation. It may be in use to influence development of strategy and planning but its effect is limited.	The asset management policy is authorised by top management, is widely and effectively communicated to all relevant employees and stakeholders, and used to make these persons aware of their asset related obligations.	The organisation's process(es) surpass the standard required to comply with requirements set out in a recognised standard.  The assessor is advised to note in the Evidence section why this is the case and the evidence seen.
10	Asset management strategy	What has the organisation done to ensure that its asset management strategy is consistent with other appropriate organisational policies and strategies, and the needs of stakeholders?	The organisation has not considered the need to ensure that its asset management strategy is appropriately aligned with the organisation's other organisational policies and strategies or with stakeholder requirements. OR The organisation does not have an asset management strategy.	The need to align the asset management strategy with other organisational policies and strategies as well as stakeholder requirements is understood and work has started to identify the linkages or to incorporate them in the drafting of asset management strategy.	Some of the linkages between the long-term asset management strategy and other organisational policies, strategies and stakeholder requirements are defined but the work is fairly well advanced but still incomplete.	All linkages are in place and evidence is available to demonstrate that, where appropriate, the organisation's asset management strategy is consistent with its other organisational policies and strategies. The organisation has also identified and considered the requirements of relevant stakeholders.	The organisation's process(es) surpass the standard required to comply with requirements set out in a recognised standard.  The assessor is advised to note in the Evidence section why this is the case and the evidence seen.
11	Asset management strategy	In what way does the organisation's asset management strategy take account of the lifecycle of the assets, asset types and asset systems over which the organisation has stewardship?	The organisation has not considered the need to ensure that its asset management strategy is produced with due regard to the lifecycle of the assets, asset types or asset systems that it manages. OR The organisation does not have an asset management strategy.	The need is understood, and the organisation is drafting its asset management strategy to address the lifecycle of its assets, asset types and asset systems.	The long-term asset management strategy takes account of the lifecycle of some, but not all, of its assets, asset types and asset systems.	The asset management strategy takes account of the lifecycle of all of its assets, asset types and asset systems.	The organisation's process(es) surpass the standard required to comply with requirements set out in a recognised standard.  The assessor is advised to note in the Evidence section why this is the case and the evidence seen.
26	Asset management plan(s)	How does the organisation establish and document its asset management plan(s) across the life cycle activities of its assets and asset systems?	The organisation does not have an identifiable asset management plan(s) covering asset systems and critical assets.	The organisation has asset management plan(s) but they are not aligned with the asset management strategy and objectives and do not take into consideration the full asset life cycle (including asset creation, acquisition, enhancement, utilisation, maintenance decommissioning and disposal).	The organisation is in the process of putting in place comprehensive, documented asset management plan(s) that cover all life cycle activities, clearly aligned to asset management objectives and the asset management strategy.	Asset management plan(s) are established, documented, implemented and maintained for asset systems and critical assets to achieve the asset management strategy and asset management objectives across all life cycle phases.	The organisation's process(es) surpass the standard required to comply with requirements set out in a recognised standard.  The assessor is advised to note in the Evidence section why this is the case and the evidence seen.



SCHEDULE 13: REPORT ON ASSET MANAGEMENT MATURITY

This schedule requires information on the EDB'S self-assessment of the maturity of its asset management practices .

Company Name	WEL Networks Limited
AMP Planning Period	1 April 2018 – 31 March 2028
Asset Management Standard Applied	

SCHEDULE 13: REPORT ON ASSET MANAGEMENT MATURITY (cont)

Company Name	WEL Networks Limited
AMP Planning Period	1 April 2018 – 31 March 2028
Asset Management Standard Applied	

Question No.	Function	Question	Score	Evidence—Summary	User Guidance	Why	Who	Record/documented Information
27	Asset management plan(s)	How has the organisation communicated its plan(s) to all relevant parties to a level of detail appropriate to the receiver's role in their delivery?				Plans will be ineffective unless they are communicated to all those, including contracted suppliers and those who undertake enabling function(s). The plan(s) need to be communicated in a way that is relevant to those who need to use them.	The management team with overall responsibility for the asset management system. Delivery functions and suppliers.	Distribution lists for plan(s). Documents derived from plan(s) which detail the receivers role in plan delivery. Evidence of communication.
29	Asset management plan(s)	How are designated responsibilities for delivery of asset plan actions documented?				The implementation of asset management plan(s) relies on (1) actions being clearly identified, (2) an owner allocated and (3) that owner having sufficient delegated responsibility and authority to carry out the work required. It also requires alignment of actions across the organisation. This question explores how well the plan(s) set out responsibility for delivery of asset plan actions.	The management team with overall responsibility for the asset management system. Operations, maintenance and engineering managers. If appropriate, the performance management team.	The organisation's asset management plan(s). Documentation defining roles and responsibilities of individuals and organisational departments.
31	Asset management plan(s)	What has the organisation done to ensure that appropriate arrangements are made available for the efficient and cost effective implementation of the plan(s)?  (Note this is about resources and enabling support)				It is essential that the plan(s) are realistic and can be implemented, which requires appropriate resources to be available and enabling mechanisms in place. This question explores how well this is achieved. The plan(s) not only need to consider the resources directly required and timescales, but also the enabling activities, including for example, training requirements, supply chain capability and procurement timescales.	The management team with overall responsibility for the asset management system. Operations, maintenance and engineering managers. If appropriate, the performance management team. If appropriate, the performance management team. Where appropriate the procurement team and service providers working on the organisation's asset related activities.	The organisation's asset management plan(s). Documented processes and procedures for the delivery of the asset management plan.
33	Contingency planning	What plan(s) and procedure(s) does the organisation have for identifying and responding to incidents and emergency situations and ensuring continuity of critical asset management activities?				Widely used AM practice standards require that an organisation has plan(s) to identify and respond to emergency situations. Emergency plan(s) should outline the actions to be taken to respond to specified emergency situations and ensure continuity of critical asset management activities including the communication to, and involvement of, external agencies. This question assesses if, and how well, these plan(s) triggered, implemented and resolved in the event of an incident. The plan(s) should be appropriate to the level of risk as determined by the organisation's risk assessment methodology. It is also a requirement that relevant personnel are competent and trained.	The manager with responsibility for developing emergency plan(s). The organisation's risk assessment team. People with designated duties within the plan(s) and procedure(s) for dealing with incidents and emergency situations.	The organisation's plan(s) and procedure(s) for dealing with emergencies. The organisation's risk assessments and risk registers.



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SCHEDULE 13: REPORT ON ASSET MANAGEMENT MATURITY (cont)							
<div><div>Company Name</div><div>AMP Planning Period</div><div>Asset Management Standard Applied</div></div> <div>WEL Networks Limited</div> <div>1 April 2018 – 31 March 2028</div>							
SCHEDULE 13: REPORT ON ASSET MANAGEMENT MATURITY (cont)							
Question No.	Function	Question	Maturity Level 0	Maturity Level 1	Maturity Level 2	Maturity Level 3	Maturity Level 4
27	Asset management plan(s)	How has the organisation communicated its plan(s) to all relevant parties to a level of detail appropriate to the receiver's role in their delivery?	The organisation does not have plan(s) or their distribution is limited to the authors.	The plan(s) are communicated to some of those responsible for delivery of the plan(s). OR Communicated to those responsible for delivery is either irregular or ad-hoc.	The plan(s) are communicated to most of those responsible for delivery but there are weaknesses in identifying relevant parties resulting in incomplete or inappropriate communication. The organisation recognises improvement is needed as is working towards resolution.	The plan(s) are communicated to all relevant employees, stakeholders and contracted service providers to a level of detail appropriate to their participation or business interests in the delivery of the plan(s) and there is confirmation that they are being used effectively.	The organisation's process(es) surpass the standard required to comply with requirements set out in a recognised standard.  The assessor is advised to note in the Evidence section why this is the case and the evidence seen.
29	Asset management plan(s)	How are designated responsibilities for delivery of asset plan actions documented?	The organisation has not documented responsibilities for delivery of asset plan actions.	Asset management plan(s) inconsistently document responsibilities for delivery of plan actions and activities and/or responsibilities and authorities for implementation inadequate and/or delegation level inadequate to ensure effective delivery and/or contain misalignments with organisational accountability.	Asset management plan(s) consistently document responsibilities for the delivery of actions but responsibility/authority levels are inappropriate/ inadequate, and/or there are misalignments within the organisation.	Asset management plan(s) consistently document responsibilities for the delivery actions and there is adequate detail to enable delivery of actions. Designated responsibility and authority for achievement of asset plan actions is appropriate.	The organisation's process(es) surpass the standard required to comply with requirements set out in a recognised standard.  The assessor is advised to note in the Evidence section why this is the case and the evidence seen.
31	Asset management plan(s)	What has the organisation done to ensure that appropriate arrangements are made available for the efficient and cost effective implementation of the plan(s)?  (Note this is about resources and enabling support)	The organisation has not considered the arrangements needed for the effective implementation of plan(s).	The organisation recognises the need to ensure appropriate arrangements are in place for implementation of asset management plan(s) and is in the process of determining an appropriate approach for achieving this.	The organisation has arrangements in place for the implementation of asset management plan(s) but the arrangements are not yet adequately efficient and/or effective. The organisation is working to resolve existing weaknesses.	The organisation's arrangements fully cover all the requirements for the efficient and cost effective implementation of asset management plan(s) and realistically address the resources and timescales required, and any changes needed to functional policies, standards, processes and the asset management information system.	The organisation's process(es) surpass the standard required to comply with requirements set out in a recognised standard.  The assessor is advised to note in the Evidence section why this is the case and the evidence seen.
33	Contingency planning	What plan(s) and procedure(s) does the organisation have for identifying and responding to incidents and emergency situations and ensuring continuity of critical asset management activities?	The organisation has not considered the need to establish plan(s) and procedure(s) to identify and respond to incidents and emergency situations.	The organisation has some ad-hoc arrangements to deal with incidents and emergency situations, but these have been developed on a reactive basis in response to specific events that have occurred in the past.	Most credible incidents and emergency situations are identified. Either appropriate plan(s) and procedure(s) are incomplete for critical activities or they are inadequate. Training/ external alignment may be incomplete.	Appropriate emergency plan(s) and procedure(s) are in place to respond to credible incidents and manage continuity of critical asset management activities consistent with policies and asset management objectives. Training and external agency alignment is in place.	The organisation's process(es) surpass the standard required to comply with requirements set out in a recognised standard.  The assessor is advised to note in the Evidence section why this is the case and the evidence seen.

SCHEDULE 13: REPORT ON ASSET MANAGEMENT MATURITY

This schedule requires information on the EDB'S self-assessment of the maturity of its asset management practices .

Company Name	WEL Networks Limited
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SCHEDULE 13: REPORT ON ASSET MANAGEMENT MATURITY (cont)

Company Name	WEL Networks Limited
AMP Planning Period	1 April 2018 – 31 March 2028
Asset Management Standard Applied	

Question No.	Function	Question	Score	Evidence—Summary	User Guidance	Why	Who	Record/documented Information
37	Structure, authority and responsibilities	What has the organisation done to appoint member(s) of its management team to be responsible for ensuring that the organisation's assets deliver the requirements of the asset management strategy, objectives and plan(s)?				In order to ensure that the organisation's assets and asset systems deliver the requirements of the asset management policy, strategy and objectives responsibilities need to be allocated to appropriate people who have the necessary authority to fulfil their responsibilities. (This question, relates to the organisation's assets eg, para b), s 4.4.1 of PAS 55, making it therefore distinct from the requirement contained in para a), s 4.4.1 of PAS 55).	Top management. People with management responsibility for the delivery of asset management policy, strategy, objectives and plan(s). People working on asset-related activities.	Evidence that managers with responsibility for the delivery of asset management policy, strategy, objectives and plan(s) have been appointed and have assumed their responsibilities. Evidence may include the organisation's documents relating to its asset management system, organisational charts, job descriptions of post-holders, annual targets/objectives and personal development plan(s) of post-holders as appropriate.
40	Structure, authority and responsibilities	What evidence can the organisation's top management provide to demonstrate that sufficient resources are available for asset management?				Optimal asset management requires top management to ensure sufficient resources are available. In this context the term 'resources' includes manpower, materials, funding and service provider support.	Top management. The management team that has overall responsibility for asset management. Risk management team. The organisation's managers involved in day-to-day supervision of asset-related activities, such as frontline managers, engineers, foremen and chargehands as appropriate.	Evidence demonstrating that asset management plan(s) and/or the process(es) for asset management plan implementation consider the provision of adequate resources in both the short and long term. Resources include funding, materials, equipment, services provided by third parties and personnel (internal and service providers) with appropriate skills competencies and knowledge.
42	Structure, authority and responsibilities	To what degree does the organisation's top management communicate the importance of meeting its asset management requirements?				Widely used AM practice standards require an organisation to communicate the importance of meeting its asset management requirements such that personnel fully understand, take ownership of, and are fully engaged in the delivery of the asset management requirements (eg, PAS 55 s 4.4.1 g).	Top management. The management team that has overall responsibility for asset management. People involved in the delivery of the asset management requirements.	Evidence of such activities as road shows, written bulletins, workshops, team talks and management walk-about would assist an organisation to demonstrate it is meeting this requirement of PAS 55.
45	Outsourcing of asset management activities	Where the organisation has outsourced some of its asset management activities, how has it ensured that appropriate controls are in place to ensure the compliant delivery of its organisational strategic plan, and its asset management policy and strategy?				Where an organisation chooses to outsource some of its asset management activities, the organisation must ensure that these outsourced process(es) are under appropriate control to ensure that all the requirements of widely used AM standards (eg, PAS 55) are in place, and the asset management policy, strategy objectives and plan(s) are delivered. This includes ensuring capabilities and resources across a time span aligned to life cycle management. The organisation must put arrangements in place to control the outsourced activities, whether it be to external providers or to other in-house departments. This question explores what the organisation does in this regard.	Top management. The management team that has overall responsibility for asset management. The manager(s) responsible for the monitoring and management of the outsourced activities. People involved with the procurement of outsourced activities. The people within the organisations that are performing the outsourced activities. The people impacted by the outsourced activity.	The organisation's arrangements that detail the compliance required of the outsourced activities. For example, this this could form part of a contract or service level agreement between the organisation and the suppliers of its outsourced activities. Evidence that the organisation has demonstrated to itself that it has assurance of compliance of outsourced activities.

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<div><div>Company Name</div><div>WEL Networks Limited</div></div> <div><div>AMP Planning Period</div><div>1 April 2018 – 31 March 2028</div></div> <div><div>Asset Management Standard Applied</div><div></div></div> <div>SCHEDULE 13: REPORT ON ASSET MANAGEMENT MATURITY (cont)</div>							
Question No.	Function	Question	Maturity Level 0	Maturity Level 1	Maturity Level 2	Maturity Level 3	Maturity Level 4
37	Structure, authority and responsibilities	What has the organisation done to appoint member(s) of its management team to be responsible for ensuring that the organisation's assets deliver the requirements of the asset management strategy, objectives and plan(s)?	Top management has not considered the need to appoint a person or persons to ensure that the organisation's assets deliver the requirements of the asset management strategy, objectives and plan(s).	Top management understands the need to appoint a person or persons to ensure that the organisation's assets deliver the requirements of the asset management strategy, objectives and plan(s).	Top management has appointed an appropriate people to ensure the assets deliver the requirements of the asset management strategy, objectives and plan(s) but their areas of responsibility are not fully defined and/or they have insufficient delegated authority to fully execute their responsibilities.	The appointed person or persons have full responsibility for ensuring that the organisation's assets deliver the requirements of the asset management strategy, objectives and plan(s). They have been given the necessary authority to achieve this.	The organisation's process(es) surpass the standard required to comply with requirements set out in a recognised standard.  The assessor is advised to note in the Evidence section why this is the case and the evidence seen.
40	Structure, authority and responsibilities	What evidence can the organisation's top management provide to demonstrate that sufficient resources are available for asset management?	The organisation's top management has not considered the resources required to deliver asset management.	The organisations top management understands the need for sufficient resources but there are no effective mechanisms in place to ensure this is the case.	A process exists for determining what resources are required for its asset management activities and in most cases these are available but in some instances resources remain insufficient.	An effective process exists for determining the resources needed for asset management and sufficient resources are available. It can be demonstrated that resources are matched to asset management requirements.	The organisation's process(es) surpass the standard required to comply with requirements set out in a recognised standard.  The assessor is advised to note in the Evidence section why this is the case and the evidence seen.
42	Structure, authority and responsibilities	To what degree does the organisation's top management communicate the importance of meeting its asset management requirements?	The organisation's top management has not considered the need to communicate the importance of meeting asset management requirements.	The organisations top management understands the need to communicate the importance of meeting its asset management requirements but does not do so.	Top management communicates the importance of meeting its asset management requirements but only to parts of the organisation.	Top management communicates the importance of meeting its asset management requirements to all relevant parts of the organisation.	The organisation's process(es) surpass the standard required to comply with requirements set out in a recognised standard.  The assessor is advised to note in the Evidence section why this is the case and the evidence seen.
45	Outsourcing of asset management activities	Where the organisation has outsourced some of its asset management activities, how has it ensured that appropriate controls are in place to ensure the compliant delivery of its organisational strategic plan, and its asset management policy and strategy?	The organisation has not considered the need to put controls in place.	The organisation controls its outsourced activities on an ad-hoc basis, with little regard for ensuring for the compliant delivery of the organisational strategic plan and/or its asset management policy and strategy.	Controls systematically considered but currently only provide for the compliant delivery of some, but not all, aspects of the organisational strategic plan and/or its asset management policy and strategy. Gaps exist.	Evidence exists to demonstrate that outsourced activities are appropriately controlled to provide for the compliant delivery of the organisational strategic plan, asset management policy and strategy, and that these controls are integrated into the asset management system	The organisation's process(es) surpass the standard required to comply with requirements set out in a recognised standard.  The assessor is advised to note in the Evidence section why this is the case and the evidence seen.

SCHEDULE 13: REPORT ON ASSET MANAGEMENT MATURITY

This schedule requires information on the EDB'S self-assessment of the maturity of its asset management practices .

Company Name	WEL Networks Limited
AMP Planning Period	1 April 2018 – 31 March 2028
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SCHEDULE 13: REPORT ON ASSET MANAGEMENT MATURITY (cont)

Company Name	WEL Networks Limited
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Question No.	Function	Question	Score	Evidence—Summary	User Guidance	Why	Who	Record/documented Information
48	Training, awareness and competence	How does the organisation develop plan(s) for the human resources required to undertake asset management activities - including the development and delivery of asset management strategy, process(es), objectives and plan(s)?				There is a need for an organisation to demonstrate that it has considered what resources are required to develop and implement its asset management system. There is also a need for the organisation to demonstrate that it has assessed what development plan(s) are required to provide its human resources with the skills and competencies to develop and implement its asset management systems. The timescales over which the plan(s) are relevant should be commensurate with the planning horizons within the asset management strategy considers e.g. if the asset management strategy considers 5, 10 and 15 year time scales then the human resources development plan(s) should align with these. Resources include both 'in house' and external resources who undertake asset management activities.	Senior management responsible for agreement of plan(s). Managers responsible for developing asset management strategy and plan(s). Managers with responsibility for development and recruitment of staff (including HR functions). Staff responsible for training. Procurement officers. Contracted service providers.	Evidence of analysis of future work load plan(s) in terms of human resources. Document(s) containing analysis of the organisation's own direct resources and contractors resource capability over suitable timescales. Evidence, such as minutes of meetings, that suitable management forums are monitoring human resource development plan(s). Training plan(s), personal development plan(s), contract and service level agreements.
49	Training, awareness and competence	How does the organisation identify competency requirements and then plan, provide and record the training necessary to achieve the competencies?				Widely used AM standards require that organisations to undertake a systematic identification of the asset management awareness and competencies required at each level and function within the organisation. Once identified the training required to provide the necessary competencies should be planned for delivery in a timely and systematic way. Any training provided must be recorded and maintained in a suitable format. Where an organisation has contracted service providers in place then it should have a means to demonstrate that this requirement is being met for their employees. (eg, PAS 55 refers to frameworks suitable for identifying competency requirements).	Senior management responsible for agreement of plan(s). Managers responsible for developing asset management strategy and plan(s). Managers with responsibility for development and recruitment of staff (including HR functions). Staff responsible for training. Procurement officers. Contracted service providers.	Evidence of an established and applied competency requirements assessment process and plan(s) in place to deliver the required training. Evidence that the training programme is part of a wider, co-ordinated asset management activities training and competency programme. Evidence that training activities are recorded and that records are readily available (for both direct and contracted service provider staff) e.g. via organisation wide information system or local records database.
50	Training, awareness and competence	How does the organization ensure that persons under its direct control undertaking asset management related activities have an appropriate level of competence in terms of education, training or experience?				A critical success factor for the effective development and implementation of an asset management system is the competence of persons undertaking these activities. organisations should have effective means in place for ensuring the competence of employees to carry out their designated asset management function(s). Where an organisation has contracted service providers undertaking elements of its asset management system then the organisation shall assure itself that the outsourced service provider also has suitable arrangements in place to manage the competencies of its employees. The organisation should ensure that the individual and corporate competencies it requires are in place and actively monitor, develop and maintain an appropriate balance of these competencies.	Managers, supervisors, persons responsible for developing training programmes. Staff responsible for procurement and service agreements. HR staff and those responsible for recruitment.	Evidence of a competency assessment framework that aligns with established frameworks such as the asset management Competencies Requirements Framework (Version 2.0); National Occupational Standards for Management and Leadership; UK Standard for Professional Engineering Competence, Engineering Council, 2005.



SCHEDULE 13: REPORT ON ASSET MANAGEMENT MATURITY (cont)

Company Name	WEL Networks Limited
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SCHEDULE 13: REPORT ON ASSET MANAGEMENT MATURITY (cont)

Company Name	WEL Networks Limited
AMP Planning Period	1 April 2018 – 31 March 2028
Asset Management Standard Applied	

Question No.	Function	Question	Maturity Level 0	Maturity Level 1	Maturity Level 2	Maturity Level 3	Maturity Level 4
48	Training, awareness and competence	How does the organisation develop plan(s) for the human resources required to undertake asset management activities - including the development and delivery of asset management strategy, process(es), objectives and plan(s)?	The organisation has not recognised the need for assessing human resources requirements to develop and implement its asset management system.	The organisation has recognised the need to assess its human resources requirements and to develop a plan(s). There is limited recognition of the need to align these with the development and implementation of its asset management system.	The organisation has developed a strategic approach to aligning competencies and human resources to the asset management system including the asset management plan but the work is incomplete or has not been consistently implemented.	The organisation can demonstrate that plan(s) are in place and effective in matching competencies and capabilities to the asset management system including the plan for both internal and contracted activities. Plans are reviewed integral to asset management system process(es).	The organisation's process(es) surpass the standard required to comply with requirements set out in a recognised standard.  The assessor is advised to note in the Evidence section why this is the case and the evidence seen.
49	Training, awareness and competence	How does the organisation identify competency requirements and then plan, provide and record the training necessary to achieve the competencies?	The organisation does not have any means in place to identify competency requirements.	The organisation has recognised the need to identify competency requirements and then plan, provide and record the training necessary to achieve the competencies.	The organisation is the process of identifying competency requirements aligned to the asset management plan(s) and then plan, provide and record appropriate training. It is incomplete or inconsistently applied.	Competency requirements are in place and aligned with asset management plan(s). Plans are in place and effective in providing the training necessary to achieve the competencies. A structured means of recording the competencies achieved is in place.	The organisation's process(es) surpass the standard required to comply with requirements set out in a recognised standard.  The assessor is advised to note in the Evidence section why this is the case and the evidence seen.
50	Training, awareness and competence	How does the organization ensure that persons under its direct control undertaking asset management related activities have an appropriate level of competence in terms of education, training or experience?	The organization has not recognised the need to assess the competence of person(s) undertaking asset management related activities.	Competency of staff undertaking asset management related activities is not managed or assessed in a structured way, other than formal requirements for legal compliance and safety management.	The organization is in the process of putting in place a means for assessing the competence of person(s) involved in asset management activities including contractors. There are gaps and inconsistencies.	Competency requirements are identified and assessed for all persons carrying out asset management related activities - internal and contracted. Requirements are reviewed and staff reassessed at appropriate intervals aligned to asset management requirements.	The organisation's process(es) surpass the standard required to comply with requirements set out in a recognised standard.  The assessor is advised to note in the Evidence section why this is the case and the evidence seen.

SCHEDULE 13: REPORT ON ASSET MANAGEMENT MATURITY

This schedule requires information on the EDB'S self-assessment of the maturity of its asset management practices .

Company Name	WEL Networks Limited
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SCHEDULE 13: REPORT ON ASSET MANAGEMENT MATURITY (cont)

Company Name	WEL Networks Limited
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Question No.	Function	Question	Score	Evidence—Summary	User Guidance	Why	Who	Record/documented Information
53	Communication, participation and consultation	How does the organisation ensure that pertinent asset management information is effectively communicated to and from employees and other stakeholders, including contracted service providers?				Widely used AM practice standards require that pertinent asset management information is effectively communicated to and from employees and other stakeholders including contracted service providers. Pertinent information refers to information required in order to effectively and efficiently comply with and deliver asset management strategy, plan(s) and objectives. This will include for example the communication of the asset management policy, asset performance information, and planning information as appropriate to contractors.	Top management and senior management representative(s), employee's representative(s), employee's trade union representative(s); contracted service provider management and employee representative(s); representative(s) from the organisation's Health, Safety and Environmental team. Key stakeholder representative(s).	Asset management policy statement prominently displayed on notice boards, intranet and internet; use of organisation's website for displaying asset performance data; evidence of formal briefings to employees, stakeholders and contracted service providers; evidence of inclusion of asset management issues in team meetings and contracted service provider contract meetings; newsletters, etc.
59	Asset Management System documentation	What documentation has the organisation established to describe the main elements of its asset management system and interactions between them?				Widely used AM practice standards require an organisation maintain up to date documentation that ensures that its asset management systems (ie, the systems the organisation has in place to meet the standards) can be understood, communicated and operated. (eg, s 4.5 of PAS 55 requires the maintenance of up to date documentation of the asset management system requirements specified throughout s 4 of PAS 55).	The management team that has overall responsibility for asset management. Managers engaged in asset management activities.	The documented information describing the main elements of the asset management system (process(es)) and their interaction.
62	Information management	What has the organisation done to determine what its asset management information system(s) should contain in order to support its asset management system?				Effective asset management requires appropriate information to be available. Widely used AM standards therefore require the organisation to identify the asset management information it requires in order to support its asset management system. Some of the information required may be held by suppliers.  The maintenance and development of asset management information systems is a poorly understood specialist activity that is akin to IT management but different from IT management. This group of questions provides some indications as to whether the capability is available and applied. Note: To be effective, an asset information management system requires the mobilisation of technology, people and process(es) that create, secure, make available and destroy the information required to support the asset management system.	The organisation's strategic planning team. The management team that has overall responsibility for asset management. Information management team. Operations, maintenance and engineering managers	Details of the process the organisation has employed to determine what its asset information system should contain in order to support its asset management system. Evidence that this has been effectively implemented.
63	Information management	How does the organisation maintain its asset management information system(s) and ensure that the data held within it (them) is of the requisite quality and accuracy and is consistent?				The response to the questions is progressive. A higher scale cannot be awarded without achieving the requirements of the lower scale.  This question explores how the organisation ensures that information management meets widely used AM practice requirements (eg, s 4.4.6 (a), (c) and (d) of PAS 55).	The management team that has overall responsibility for asset management. Users of the organisational information systems.	The asset management information system, together with the policies, procedure(s), improvement initiatives and audits regarding information controls.

SCHEDULE 13: REPORT ON ASSET MANAGEMENT MATURITY (cont)

Company Name	WEL Networks Limited
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SCHEDULE 13: REPORT ON ASSET MANAGEMENT MATURITY (cont)

Company Name	WEL Networks Limited
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Question No.	Function	Question	Maturity Level 0	Maturity Level 1	Maturity Level 2	Maturity Level 3	Maturity Level 4
53	Communication, participation and consultation	How does the organisation ensure that pertinent asset management information is effectively communicated to and from employees and other stakeholders, including contracted service providers?	The organisation has not recognised the need to formally communicate any asset management information.	There is evidence that the pertinent asset management information to be shared along with those to share it with is being determined.	The organisation has determined pertinent information and relevant parties. Some effective two way communication is in place but as yet not all relevant parties are clear on their roles and responsibilities with respect to asset management information.	Two way communication is in place between all relevant parties, ensuring that information is effectively communicated to match the requirements of asset management strategy, plan(s) and process(es). Pertinent asset information requirements are regularly reviewed.	The organisation's process(es) surpass the standard required to comply with requirements set out in a recognised standard.  The assessor is advised to note in the Evidence section why this is the case and the evidence seen.
59	Asset Management System documentation	What documentation has the organisation established to describe the main elements of its asset management system and interactions between them?	The organisation has not established documentation that describes the main elements of the asset management system.	The organisation is aware of the need to put documentation in place and is in the process of determining how to document the main elements of its asset management system.	The organisation in the process of documenting its asset management system and has documentation in place that describes some, but not all, of the main elements of its asset management system and their interaction.	The organisation has established documentation that comprehensively describes all the main elements of its asset management system and the interactions between them. The documentation is kept up to date.	The organisation's process(es) surpass the standard required to comply with requirements set out in a recognised standard.  The assessor is advised to note in the Evidence section why this is the case and the evidence seen.
62	Information management	What has the organisation done to determine what its asset management information system(s) should contain in order to support its asset management system?	The organisation has not considered what asset management information is required.	The organisation is aware of the need to determine in a structured manner what its asset information system should contain in order to support its asset management system and is in the process of deciding how to do this.	The organisation has developed a structured process to determine what its asset information system should contain in order to support its asset management system and has commenced implementation of the process.	The organisation has determined what its asset information system should contain in order to support its asset management system. The requirements relate to the whole life cycle and cover information originating from both internal and external sources.	The organisation's process(es) surpass the standard required to comply with requirements set out in a recognised standard.  The assessor is advised to note in the Evidence section why this is the case and the evidence seen.
63	Information management	How does the organisation maintain its asset management information system(s) and ensure that the data held within it (them) is of the requisite quality and accuracy and is consistent?	There are no formal controls in place or controls are extremely limited in scope and/or effectiveness.	The organisation is aware of the need for effective controls and is in the process of developing an appropriate control process(es).	The organisation has developed a controls that will ensure the data held is of the requisite quality and accuracy and is consistent and is in the process of implementing them.	The organisation has effective controls in place that ensure the data held is of the requisite quality and accuracy and is consistent. The controls are regularly reviewed and improved where necessary.	The organisation's process(es) surpass the standard required to comply with requirements set out in a recognised standard.  The assessor is advised to note in the Evidence section why this is the case and the evidence seen.



SCHEDULE 13: REPORT ON ASSET MANAGEMENT MATURITY

This schedule requires information on the EDB'S self-assessment of the maturity of its asset management practices .

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SCHEDULE 13: REPORT ON ASSET MANAGEMENT MATURITY (cont)

Company Name	WEL Networks Limited
AMP Planning Period	1 April 2018 – 31 March 2028
Asset Management Standard Applied	

Question No.	Function	Question	Score	Evidence—Summary	User Guidance	Why	Who	Record/documented Information
64	Information management	How has the organisation's ensured its asset management information system is relevant to its needs?				Widely used AM standards need not be prescriptive about the form of the asset management information system, but simply require that the asset management information system is appropriate to the organisations needs, can be effectively used and can supply information which is consistent and of the requisite quality and accuracy.	The organisation's strategic planning team. The management team that has overall responsibility for asset management. Information management team. Users of the organisational information systems.	The documented process the organisation employs to ensure its asset management information system aligns with its asset management requirements. Minutes of information systems review meetings involving users.
69	Risk management process(es)	How has the organisation documented process(es) and/or procedure(s) for the identification and assessment of asset and asset management related risks throughout the asset life cycle?				Risk management is an important foundation for proactive asset management. Its overall purpose is to understand the cause, effect and likelihood of adverse events occurring, to optimally manage such risks to an acceptable level, and to provide an audit trail for the management of risks. Widely used standards require the organisation to have process(es) and/or procedure(s) in place that set out how the organisation identifies and assesses asset and asset management related risks. The risks have to be considered across the four phases of the asset lifecycle (eg, para 4.3.3 of PAS 55).	The top management team in conjunction with the organisation's senior risk management representatives. There may also be input from the organisation's Safety, Health and Environment team. Staff who carry out risk identification and assessment.	The organisation's risk management framework and/or evidence of specific process(es) and/ or procedure(s) that deal with risk control mechanisms. Evidence that the process(es) and/or procedure(s) are implemented across the business and maintained. Evidence of agendas and minutes from risk management meetings. Evidence of feedback in to process(es) and/or procedure(s) as a result of incident investigation(s). Risk registers and assessments.
79	Use and maintenance of asset risk information	How does the organisation ensure that the results of risk assessments provide input into the identification of adequate resources and training and competency needs?				Widely used AM standards require that the output from risk assessments are considered and that adequate resource (including staff) and training is identified to match the requirements. It is a further requirement that the effects of the control measures are considered, as there may be implications in resources and training required to achieve other objectives.	Staff responsible for risk assessment and those responsible for developing and approving resource and training plan(s). There may also be input from the organisation's Safety, Health and Environment team.	The organisations risk management framework. The organisation's resourcing plan(s) and training and competency plan(s). The organisation should be able to demonstrate appropriate linkages between the content of resource plan(s) and training and competency plan(s) to the risk assessments and risk control measures that have been developed.
82	Legal and other requirements	What procedure does the organisation have to identify and provide access to its legal, regulatory, statutory and other asset management requirements, and how is requirements incorporated into the asset management system?				In order for an organisation to comply with its legal, regulatory, statutory and other asset management requirements, the organisation first needs to ensure that it knows what they are (eg, PAS 55 specifies this in s 4.4.8). It is necessary to have systematic and auditable mechanisms in place to identify new and changing requirements. Widely used AM standards also require that requirements are incorporated into the asset management system (e.g. procedure(s) and process(es))	Top management. The organisations regulatory team. The organisation's legal team or advisors. The management team with overall responsibility for the asset management system. The organisation's health and safety team or advisors. The organisation's policy making team.	The organisational processes and procedures for ensuring information of this type is identified, made accessible to those requiring the information and is incorporated into asset management strategy and objectives

SCHEDULE 13: REPORT ON ASSET MANAGEMENT MATURITY (cont)

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SCHEDULE 13: REPORT ON ASSET MANAGEMENT MATURITY (cont)

Company Name	WEL Networks Limited
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Question No.	Function	Question	Maturity Level 0	Maturity Level 1	Maturity Level 2	Maturity Level 3	Maturity Level 4
64	Information management	How has the organisation's ensured its asset management information system is relevant to its needs?	The organisation has not considered the need to determine the relevance of its management information system. At present there are major gaps between what the information system provides and the organisations needs.	The organisation understands the need to ensure its asset management information system is relevant to its needs and is determining an appropriate means by which it will achieve this. At present there are significant gaps between what the information system provides and the organisations needs.	The organisation has developed and is implementing a process to ensure its asset management information system is relevant to its needs. Gaps between what the information system provides and the organisations needs have been identified and action is being taken to close them.	The organisation's asset management information system aligns with its asset management requirements. Users can confirm that it is relevant to their needs.	The organisation's process(es) surpass the standard required to comply with requirements set out in a recognised standard.  The assessor is advised to note in the Evidence section why this is the case and the evidence seen.
69	Risk management process(es)	How has the organisation documented process(es) and/or procedure(s) for the identification and assessment of asset and asset management related risks throughout the asset life cycle?	The organisation has not considered the need to document process(es) and/or procedure(s) for the identification and assessment of asset and asset management related risks throughout the asset life cycle.	The organisation is aware of the need to document the management of asset related risk across the asset lifecycle. The organisation has plan(s) to formally document all relevant process(es) and procedure(s) or has already commenced this activity.	The organisation is in the process of documenting the identification and assessment of asset related risk across the asset lifecycle but it is incomplete or there are inconsistencies between approaches and a lack of integration.	Identification and assessment of asset related risk across the asset lifecycle is fully documented. The organisation can demonstrate that appropriate documented mechanisms are integrated across life cycle phases and are being consistently applied.	The organisation's process(es) surpass the standard required to comply with requirements set out in a recognised standard.  The assessor is advised to note in the Evidence section why this is the case and the evidence seen.
79	Use and maintenance of asset risk information	How does the organisation ensure that the results of risk assessments provide input into the identification of adequate resources and training and competency needs?	The organisation has not considered the need to conduct risk assessments.	The organisation is aware of the need to consider the results of risk assessments and effects of risk control measures to provide input into reviews of resources, training and competency needs. Current input is typically ad-hoc and reactive.	The organisation is in the process ensuring that outputs of risk assessment are included in developing requirements for resources and training. The implementation is incomplete and there are gaps and inconsistencies.	Outputs from risk assessments are consistently and systematically used as inputs to develop resources, training and competency requirements. Examples and evidence is available.	The organisation's process(es) surpass the standard required to comply with requirements set out in a recognised standard.  The assessor is advised to note in the Evidence section why this is the case and the evidence seen.
82	Legal and other requirements	What procedure does the organisation have to identify and provide access to its legal, regulatory, statutory and other asset management requirements, and how is requirements incorporated into the asset management system?	The organisation has not considered the need to identify its legal, regulatory, statutory and other asset management requirements.	The organisation identifies some its legal, regulatory, statutory and other asset management requirements, but this is done in an ad-hoc manner in the absence of a procedure.	The organisation has procedure(s) to identify its legal, regulatory, statutory and other asset management requirements, but the information is not kept up to date, inadequate or inconsistently managed.	Evidence exists to demonstrate that the organisation's legal, regulatory, statutory and other asset management requirements are identified and kept up to date. Systematic mechanisms for identifying relevant legal and statutory requirements.	The organisation's process(es) surpass the standard required to comply with requirements set out in a recognised standard.  The assessor is advised to note in the Evidence section why this is the case and the evidence seen.

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SCHEDULE 13: REPORT ON ASSET MANAGEMENT MATURITY

This schedule requires information on the EDB'S self-assessment of the maturity of its asset management practices .

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SCHEDULE 13: REPORT ON ASSET MANAGEMENT MATURITY (cont)

Question No.	Function	Question	Score	Evidence—Summary	User Guidance	Why	Who	Record/documented Information
88	Life Cycle Activities	How does the organisation establish implement and maintain process(es) for the implementation of its asset management plan(s) and control of activities across the creation, acquisition or enhancement of assets. This includes design, modification, procurement, construction and commissioning activities?				Life cycle activities are about the implementation of asset management plan(s) i.e. they are the "doing" phase. They need to be done effectively and well in order for asset management to have any practical meaning. As a consequence, widely used standards (eg, PAS 55 s 4.5.1) require organisations to have in place appropriate process(es) and procedure(s) for the implementation of asset management plan(s) and control of lifecycle activities. This question explores those aspects relevant to asset creation.	Asset managers, design staff, construction staff and project managers from other impacted areas of the business, e.g. Procurement	Documented process(es) and procedure(s) which are relevant to demonstrating the effective management and control of life cycle activities during asset creation, acquisition, enhancement including design, modification, procurement, construction and commissioning.
91	Life Cycle Activities	How does the organisation ensure that process(es) and/or procedure(s) for the implementation of asset management plan(s) and control of activities during maintenance (and inspection) of assets are sufficient to ensure activities are carried out under specified conditions, are consistent with asset management strategy and control cost, risk and performance?				Having documented process(es) which ensure the asset management plan(s) are implemented in accordance with any specified conditions, in a manner consistent with the asset management policy, strategy and objectives and in such a way that cost, risk and asset system performance are appropriately controlled is critical. They are an essential part of turning intention into action (eg, as required by PAS 55 s 4.5.1).	Asset managers, operations managers, maintenance managers and project managers from other impacted areas of the business	Documented procedure for review. Documented procedure for audit of process delivery. Records of previous audits, improvement actions and documented confirmation that actions have been carried out.
95	Performance and condition monitoring	How does the organisation measure the performance and condition of its assets?				Widely used AM standards require that organisations establish implement and maintain procedure(s) to monitor and measure the performance and/or condition of assets and asset systems. They further set out requirements in some detail for reactive and proactive monitoring, and leading/lagging performance indicators together with the monitoring or results to provide input to corrective actions and continual improvement. There is an expectation that performance and condition monitoring will provide input to improving asset management strategy, objectives and plan(s).	A broad cross-section of the people involved in the organisation's asset-related activities from data input to decision-makers, i.e. an end-to end assessment. This should include contactors and other relevant third parties as appropriate.	Functional policy and/or strategy documents for performance or condition monitoring and measurement. The organisation's performance monitoring frameworks, balanced scorecards etc. Evidence of the reviews of any appropriate performance indicators and the action lists resulting from these reviews. Reports and trend analysis using performance and condition information. Evidence of the use of performance and condition information shaping improvements and supporting asset management strategy, objectives and plan(s).
99	Investigation of asset-related failures, incidents and nonconformities	How does the organisation ensure responsibility and the authority for the handling, investigation and mitigation of asset-related failures, incidents and emergency situations and non conformances is clear, unambiguous, understood and communicated?				Widely used AM standards require that the organisation establishes implements and maintains process(es) for the handling and investigation of failures incidents and non-conformities for assets and sets down a number of expectations. Specifically this question examines the requirement to define clearly responsibilities and authorities for these activities, and communicate these unambiguously to relevant people including external stakeholders if appropriate.	The organisation's safety and environment management team. The team with overall responsibility for the management of the assets. People who have appointed roles within the asset-related investigation procedure, from those who carry out the investigations to senior management who review the recommendations. Operational controllers responsible for managing the asset base under fault conditions and maintaining services to consumers. Contractors and other third parties as appropriate.	Process(es) and procedure(s) for the handling, investigation and mitigation of asset-related failures, incidents and emergency situations and non conformances. Documentation of assigned responsibilities and authority to employees. Job Descriptions, Audit reports. Common communication systems i.e. all Job Descriptions on Internet etc.

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SCHEDULE 13: REPORT ON ASSET MANAGEMENT MATURITY (cont)

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SCHEDULE 13: REPORT ON ASSET MANAGEMENT MATURITY (cont)

Company Name	WEL Networks Limited
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Question No.	Function	Question	Maturity Level 0	Maturity Level 1	Maturity Level 2	Maturity Level 3	Maturity Level 4
88	Life Cycle Activities	How does the organisation establish implement and maintain process(es) for the implementation of its asset management plan(s) and control of activities across the creation, acquisition or enhancement of assets. This includes design, modification, procurement, construction and commissioning activities?	The organisation does not have process(es) in place to manage and control the implementation of asset management plan(s) during activities related to asset creation including design, modification, procurement, construction and commissioning.	The organisation is aware of the need to have process(es) and procedure(s) in place to manage and control the implementation of asset management plan(s) during activities related to asset creation including design, modification, procurement, construction and commissioning but currently do not have these in place (note: procedure(s) may exist but they are inconsistent/incomplete).	The organisation is in the process of putting in place process(es) and procedure(s) to manage and control the implementation of asset management plan(s) during activities related to asset creation including design, modification, procurement, construction and commissioning. Gaps and inconsistencies are being addressed.	Effective process(es) and procedure(s) are in place to manage and control the implementation of asset management plan(s) during activities related to asset creation including design, modification, procurement, construction and commissioning.	The organisation's process(es) surpass the standard required to comply with requirements set out in a recognised standard.  The assessor is advised to note in the Evidence section why this is the case and the evidence seen.
91	Life Cycle Activities	How does the organisation ensure that process(es) and/or procedure(s) for the implementation of asset management plan(s) and control of activities during maintenance (and inspection) of assets are sufficient to ensure activities are carried out under specified conditions, are consistent with asset management strategy and control cost, risk and performance?	The organisation does not have process(es)/procedure(s) in place to control or manage the implementation of asset management plan(s) during this life cycle phase.	The organisation is aware of the need to have process(es) and procedure(s) in place to manage and control the implementation of asset management plan(s) during this life cycle phase but currently do not have these in place and/or there is no mechanism for confirming they are effective and where needed modifying them.	The organisation is in the process of putting in place process(es) and procedure(s) to manage and control the implementation of asset management plan(s) during this life cycle phase. They include a process for confirming the process(es)/procedure(s) are effective and if necessary carrying out modifications.	The organisation has in place process(es) and procedure(s) to manage and control the implementation of asset management plan(s) during this life cycle phase. They include a process, which is itself regularly reviewed to ensure it is effective, for confirming the process(es)/ procedure(s) are effective and if necessary carrying out modifications.	The organisation's process(es) surpass the standard required to comply with requirements set out in a recognised standard.  The assessor is advised to note in the Evidence section why this is the case and the evidence seen.
95	Performance and condition monitoring	How does the organisation measure the performance and condition of its assets?	The organisation has not considered how to monitor the performance and condition of its assets.	The organisation recognises the need for monitoring asset performance but has not developed a coherent approach. Measures are incomplete, predominantly reactive and lagging. There is no linkage to asset management objectives.	The organisation is developing coherent asset performance monitoring linked to asset management objectives. Reactive and proactive measures are in place. Use is being made of leading indicators and analysis. Gaps and inconsistencies remain.	Consistent asset performance monitoring linked to asset management objectives is in place and universally used including reactive and proactive measures. Data quality management and review process are appropriate. Evidence of leading indicators and analysis.	The organisation's process(es) surpass the standard required to comply with requirements set out in a recognised standard.  The assessor is advised to note in the Evidence section why this is the case and the evidence seen.
99	Investigation of asset-related failures, incidents and nonconformities	How does the organisation ensure responsibility and the authority for the handling, investigation and mitigation of asset-related failures, incidents and emergency situations and non conformances is clear, unambiguous, understood and communicated?	The organisation has not considered the need to define the appropriate responsibilities and the authorities.	The organisation understands the requirements and is in the process of determining how to define them.	The organisation are in the process of defining the responsibilities and authorities with evidence. Alternatively there are some gaps or inconsistencies in the identified responsibilities/authorities.	The organisation have defined the appropriate responsibilities and authorities and evidence is available to show that these are applied across the business and kept up to date.	The organisation's process(es) surpass the standard required to comply with requirements set out in a recognised standard.  The assessor is advised to note in the Evidence section why this is the case and the evidence seen.

SCHEDULE 13: REPORT ON ASSET MANAGEMENT MATURITY

This schedule requires information on the EDB'S self-assessment of the maturity of its asset management practices .

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SCHEDULE 13: REPORT ON ASSET MANAGEMENT MATURITY (cont)

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Asset Management Standard Applied	

Question No.	Function	Question	Score	Evidence—Summary	User Guidance	Why	Who	Record/documented Information
105	Audit	What has the organisation done to establish procedure(s) for the audit of its asset management system (process(es))?				This question seeks to explore what the organisation has done to comply with the standard practice AM audit requirements (eg, the associated requirements of PAS 55 s 4.6.4 and its linkages to s 4.7).	The management team responsible for its asset management procedure(s). The team with overall responsibility for the management of the assets. Audit teams, together with key staff responsible for asset management. For example, Asset Management Director, Engineering Director. People with responsibility for carrying out risk assessments	The organisation's asset-related audit procedure(s). The organisation's methodology(s) by which it determined the scope and frequency of the audits and the criteria by which it identified the appropriate audit personnel. Audit schedules, reports etc. Evidence of the procedure(s) by which the audit results are presented, together with any subsequent communications. The risk assessment schedule or risk registers.
109	Corrective & Preventative action	How does the organisation instigate appropriate corrective and/or preventive actions to eliminate or prevent the causes of identified poor performance and non conformance?				Having investigated asset related failures, incidents and non-conformances, and taken action to mitigate their consequences, an organisation is required to implement preventative and corrective actions to address root causes. Incident and failure investigations are only useful if appropriate actions are taken as a result to assess changes to a businesses risk profile and ensure that appropriate arrangements are in place should a recurrence of the incident happen. Widely used AM standards also require that necessary changes arising from preventive or corrective action are made to the asset management system.	The management team responsible for its asset management procedure(s). The team with overall responsibility for the management of the assets. Audit and incident investigation teams. Staff responsible for planning and managing corrective and preventive actions.	Analysis records, meeting notes and minutes, modification records. Asset management plan(s), investigation reports, audit reports, improvement programmes and projects. Recorded changes to asset management procedure(s) and process(es). Condition and performance reviews. Maintenance reviews
113	Continual Improvement	How does the organisation achieve continual improvement in the optimal combination of costs, asset related risks and the performance and condition of assets and asset systems across the whole life cycle?				Widely used AM standards have requirements to establish, implement and maintain process(es)/procedure(s) for identifying, assessing, prioritising and implementing actions to achieve continual improvement. Specifically there is a requirement to demonstrate continual improvement in optimisation of cost risk and performance/condition of assets across the life cycle. This question explores an organisation's capabilities in this area—looking for systematic improvement mechanisms rather than reviews and audit (which are separately examined).	The top management of the organisation. The manager/team responsible for managing the organisation's asset management system, including its continual improvement. Managers responsible for policy development and implementation.	Records showing systematic exploration of improvement. Evidence of new techniques being explored and implemented. Changes in procedure(s) and process(es) reflecting improved use of optimisation tools/techniques and available information. Evidence of working parties and research.

						Company Name	WEL Networks Limited	
						AMP Planning Period	1 April 2018 – 31 March 2028	
						Asset Management Standard Applied		
SCHEDULE 13: REPORT ON ASSET MANAGEMENT MATURITY								
This schedule requires information on the EDB'S self-assessment of the maturity of its asset management practices .								
115	Continual Improvement	How does the organisation seek and acquire knowledge about new asset management related technology and practices, and evaluate their potential benefit to the organisation?				One important aspect of continual improvement is where an organisation looks beyond its existing boundaries and knowledge base to look at what 'new things are on the market'. These new things can include equipment, process(es), tools, etc. An organisation which does this (eg, by the PAS 55 s 4.6 standards) will be able to demonstrate that it continually seeks to expand its knowledge of all things affecting its asset management approach and capabilities. The organisation will be able to demonstrate that it identifies any such opportunities to improve, evaluates them for suitability to its own organisation and implements them as appropriate. This question explores an organisation's approach to this activity.	The top management of the organisation. The manager/team responsible for managing the organisation's asset management system, including its continual improvement. People who monitor the various items that require monitoring for 'change'. People that implement changes to the organisation's policy, strategy, etc. People within an organisation with responsibility for investigating, evaluating, recommending and implementing new tools and techniques, etc.	Research and development projects and records, benchmarking and participation knowledge exchange professional forums. Evidence of correspondence relating to knowledge acquisition. Examples of change implementation and evaluation of new tools, and techniques linked to asset management strategy and objectives.

SCHEDULE 13: REPORT ON ASSET MANAGEMENT MATURITY (cont)

Company Name	WEL Networks Limited
AMP Planning Period	1 April 2018 – 31 March 2028
Asset Management Standard Applied	

SCHEDULE 13: REPORT ON ASSET MANAGEMENT MATURITY (cont)

Company Name	WEL Networks Limited
AMP Planning Period	1 April 2018 – 31 March 2028
Asset Management Standard Applied	

Question No.	Function	Question	Maturity Level 0	Maturity Level 1	Maturity Level 2	Maturity Level 3	Maturity Level 4
105	Audit	What has the organisation done to establish procedure(s) for the audit of its asset management system (process(es))?	The organisation has not recognised the need to establish procedure(s) for the audit of its asset management system.	The organisation understands the need for audit procedure(s) and is determining the appropriate scope, frequency and methodology(s).	The organisation is establishing its audit procedure(s) but they do not yet cover all the appropriate asset-related activities.	The organisation can demonstrate that its audit procedure(s) cover all the appropriate asset-related activities and the associated reporting of audit results. Audits are to an appropriate level of detail and consistently managed.	The organisation's process(es) surpass the standard required to comply with requirements set out in a recognised standard.  The assessor is advised to note in the Evidence section why this is the case and the evidence seen.
109	Corrective & Preventative action	How does the organisation instigate appropriate corrective and/or preventive actions to eliminate or prevent the causes of identified poor performance and non conformance?	The organisation does not recognise the need to have systematic approaches to instigating corrective or preventive actions.	The organisation recognises the need to have systematic approaches to instigating corrective or preventive actions. There is ad-hoc implementation for corrective actions to address failures of assets but not the asset management system.	The need is recognized for systematic instigation of preventive and corrective actions to address root causes of non compliance or incidents identified by investigations, compliance evaluation or audit. It is only partially or inconsistently in place.	Mechanisms are consistently in place and effective for the systematic instigation of preventive and corrective actions to address root causes of non compliance or incidents identified by investigations, compliance evaluation or audit.	The organisation's process(es) surpass the standard required to comply with requirements set out in a recognised standard.  The assessor is advised to note in the Evidence section why this is the case and the evidence seen.
113	Continual Improvement	How does the organisation achieve continual improvement in the optimal combination of costs, asset related risks and the performance and condition of assets and asset systems across the whole life cycle?	The organisation does not consider continual improvement of these factors to be a requirement, or has not considered the issue.	A Continual Improvement ethos is recognised as beneficial, however it has just been started, and or covers partially the asset drivers.	Continuous improvement process(es) are set out and include consideration of cost risk, performance and condition for assets managed across the whole life cycle but it is not yet being systematically applied.	There is evidence to show that continuous improvement process(es) which include consideration of cost risk, performance and condition for assets managed across the whole life cycle are being systematically applied.	The organisation's process(es) surpass the standard required to comply with requirements set out in a recognised standard.  The assessor is advised to note in the Evidence section why this is the case and the evidence seen.



<div><div>Company Name</div><div>AMP Planning Period</div><div>Asset Management Standard Applied</div></div> <div>WEL Networks Limited</div> <div>1 April 2018 – 31 March 2028</div>							
SCHEDULE 13: REPORT ON ASSET MANAGEMENT MATURITY (cont)							
115	Continual Improvement	How does the organisation seek and acquire knowledge about new asset management related technology and practices, and evaluate their potential benefit to the organisation?	The organisation makes no attempt to seek knowledge about new asset management related technology or practices.	The organisation is inward looking, however it recognises that asset management is not sector specific and other sectors have developed good practice and new ideas that could apply. Ad-hoc approach.	The organisation has initiated asset management communication within sector to share and, or identify 'new' to sector asset management practices and seeks to evaluate them.	The organisation actively engages internally and externally with other asset management practitioners, professional bodies and relevant conferences. Actively investigates and evaluates new practices and evolves its asset management activities using appropriate developments.	<div>The organisation's process(es) surpass the standard required to comply with requirements set out in a recognised standard.</div> <div>The assessor is advised to note in the Evidence section why this is the case and the evidence seen.</div>

Company Name WEL Networks Limited

For Year Ended 31 March 2019

## **Schedule 14      Mandatory Explanatory Notes**

*(Guidance Note: This Microsoft Word version of Schedules 14, 14a and 15 is from the Electricity Distribution Information Disclosure Determination 2012 – as amended and consolidated 3 April 2018. Clause references in this template are to that determination)*

1. This schedule requires EDBs to provide explanatory notes to information provided in accordance with clauses 2.3.1, 2.4.21, 2.4.22, and subclauses 2.5.1(1)(f), and 2.5.2(1)(e).
2. This schedule is mandatory—EDBs must provide the explanatory comment specified below, in accordance with clause 2.7.1. Information provided in boxes 1 to 11 of this schedule is part of the audited disclosure information, and so is subject to the assurance requirements specified in section 2.8.
3. Schedule 15 (Voluntary Explanatory Notes to Schedules) provides for EDBs to give additional explanation of disclosed information should they elect to do so.

### *Return on Investment (Schedule 2)*

4. In the box below, comment on return on investment as disclosed in Schedule 2. This comment must include information on reclassified items in accordance with subclause 2.7.1(2).

#### **Box 1: Explanatory comment on return on investment**

ROI for FY19 is 8.43% compared to a comparable mid-point estimate of post tax WACC of 4.75%.

The ROI is above the corresponding FY18 value (5.75%). In 2018 it was agreed to end the annual discount paid to customers. The discount equated to \$17.5M in 2018 and is the reason behind the large growth in ROI. The other reasons are due to increased revenue through Customer Initiated Works and lower Transpower charges.

No items have been reclassified.

### *Regulatory Profit (Schedule 3)*

5. In the box below, comment on regulatory profit for the disclosure year as disclosed in Schedule 3. This comment must include-
  - 5.1 a description of material items included in other regulated income (other than gains / (losses) on asset disposals), as disclosed in 3(i) of Schedule 3
  - 5.2 information on reclassified items in accordance with subclause 2.7.1(2).

**Box 2: Explanatory comment on regulatory profit**

The material item included in 'other regulatory line income' is Te Uku windfarm lease revenue. This revenue is for the line and other assets that supply the windfarm.

No items have been reclassified.

*Merger and acquisition expenses (3(iv) of Schedule 3)*

6. If the EDB incurred merger and acquisitions expenditure during the disclosure year, provide the following information in the box below-

6.1 information on reclassified items in accordance with subclause 2.7.1(2)

6.2 any other commentary on the benefits of the merger and acquisition expenditure to the EDB.

**Box 3: Explanatory comment on merger and acquisition expenditure**

No merger and acquisition expenditure.

*Value of the Regulatory Asset Base (Schedule 4)*

7. In the box below, comment on the value of the regulatory asset base (rolled forward) in Schedule 4. This comment must include information on reclassified items in accordance with subclause 2.7.1(2).

**Box 4: Explanatory comment on the value of the regulatory asset based (rolled forward)**

The value of the Asset Base in Schedule 4 for the 2018 FY was \$559.4M and for the 2019 FY is now \$569.3M, a positive movement of \$9.9M.

The closing value of assets not yet commissioned and included in Works under construction at 31 March 2019 is \$27.6M.

The WIP balance associated with these assets will be rolled out of WIP once these assets are capitalised onto the RAB register.

Under the new ABAA allocation methodology the allocation of poles that are being used for purposes other than electricity e.g. fibre, telephone lines etc is \$2.6M cumulatively. The opening balance \$2.35M is reflected in the adjustment from asset allocations whilst the current year \$0.25M is included in the assets commissioned.

Under the new ABAA allocation methodology the allocation of non-network assets that are being used for purposes other than electricity e.g. building, land, computer assets etc is \$5.4M cumulatively. The opening balance \$5.44M is reflected in the adjustment from asset allocations whilst the current year \$0.05M is included in the assets commissioned.

The smartmeter assets were commissioned over 3 different classes. In 2019 these assets have been reclassified in to non-network assets to ensure consistency in reporting. There is no overall impact as all assets had the same asset life.

*Regulatory tax allowance: disclosure of permanent differences (5a(i) of Schedule 5a)*

8. In the box below, provide descriptions and workings of the material items recorded in the following asterisked categories of 5a(i) of Schedule 5a-

- 8.1 Income not included in regulatory profit / (loss) before tax but taxable;
- 8.2 Expenditure or loss in regulatory profit / (loss) before tax but not deductible;
- 8.3 Income included in regulatory profit / (loss) before tax but not taxable;
- 8.4 Expenditure or loss deductible but not in regulatory profit / (loss) before tax.

**Box 5: Regulatory tax allowance: permanent differences**

8.1 *Income not included in regulatory profit/(loss) before tax but taxable:* is the current year portion of the Third Party Contribution costs which are being amortised over 10 years.

8.2 *expenditure or loss in regulatory profit / (loss) before tax but not deductible:*

- Non deductible portion of entertainment \$18K

8.3 *income included in regulatory profit / (loss) before tax but not taxable:*

- No items

8.4 *expenditure or loss deductible but not in regulatory profit / (loss) before tax :*

No items

*Regulatory tax allowance: disclosure of temporary differences (5a(vi) of Schedule 5a)*

9. In the box below, provide descriptions and workings of material items recorded in the asterisked category 'Tax effect of other temporary differences' in 5a(vi) of Schedule 5a.

**Box 6: Tax effect of other temporary differences (current disclosure year)**

There are no other temporary differences to report.

*Cost allocation (Schedule 5d)*

10. In the box below, comment on cost allocation as disclosed in Schedule 5d. This comment must include information on reclassified items in accordance with subclause 2.7.1(2).

**Box 7: Cost allocation**

No items were reclassified. All of the costs are calculated on a proxy basis. Other than for network jobs, timesheets or any other work allocation methods are not utilised within business support, therefore there are no identifying allocators to enable a causal relationship to be used. Costs have been calculated based on Mangers determination of the time spent on electricity related and non-electricity related functions.

*Asset allocation (Schedule 5e)*

11. In the box below, comment on asset allocation as disclosed in Schedule 5e. This comment must include information on reclassified items in accordance with subclause 2.7.1(2).

**Box 8: Commentary on asset allocation**

Assets are considered not directly attributable and have been allocated using ABAA methodology when they do not relate solely to the regulated business.

Not directly attributable Distribution and LV Lines values relate to poles that have multiple uses e.g. fibre, streetlights etc. The allocation is based on GIS information on poles that have mixed use.

The allocators for non-network assets e.g. buildings, furniture, computer hardware and software align to the business operational expenditure proxy allocators.

*Capital Expenditure for the Disclosure Year (Schedule 6a)*

12. In the box below, comment on expenditure on assets for the disclosure year, as disclosed in Schedule 6a. This comment must include-

12.1 a description of the materiality threshold applied to identify material projects and programmes described in Schedule 6a;

12.2 information on reclassified items in accordance with subclause 2.7.1(2).

**Box 9: Explanation of capital expenditure for the disclosure year**

WEL classifies a project with total cost over \$0.5M as a major capital project.

All projects are aligned categorised for ID purposes using AMP classifications to ensure consistency with the reports and any overheads are allocated on a pro-rata basis across all relevant projects.

No items were reclassified.

*Operational Expenditure for the Disclosure Year (Schedule 6b)*

13. In the box below, comment on operational expenditure for the disclosure year, as disclosed in Schedule 6b. This comment must include-

13.1 Commentary on assets replaced or renewed with asset replacement and renewal operational expenditure, as reported in 6b(i) of Schedule 6b;

13.2 Information on reclassified items in accordance with subclause 2.7.1(2);

13.3 Commentary on any material atypical expenditure included in operational expenditure disclosed in Schedule 6b, including the value of the expenditure the purpose of the expenditure, and the operational expenditure categories the expenditure relates to.



**Box 10: Explanation of operational expenditure for the disclosure year**

No items were reclassified.

Asset replacement and renewal operating expenditure is mainly incurred in relation to unplanned defects correction. The expenditure includes the following main asset categories:

- Switchgear including RMU & overhead line switches / sectionisers / voltage regulators
- Conductors, poles and cross-arms including insulator, live line clamps, broken cut outs, possum guards and stay wire repairs
- Distribution transformers
- Pillars
- Feeders including stolen earth repairs
- Circuit breakers
- Zone substations including buildings, zone sub transformers, ripple plants and battery chargers and banks
- SCADA and other communication devices

*Variance between forecast and actual expenditure (Schedule 7)*

14. In the box below, comment on variance in actual to forecast expenditure for the disclosure year, as reported in Schedule 7. This comment must include information on reclassified items in accordance with subclause 2.7.1(2).

**Box 11: Explanatory comment on variance in actual to forecast expenditure**

Consumer growth – continued growth in Customer Initiated Work (CIW) demand across the network has seen a greater than budgeted expenditure for the second year in a row. The Waikato subdivision and housing market has been extremely buoyant in recent times with year on year growth experienced.

Asset relocations - Primarily driven through Waikato Expressway related asset relocations. When the budget was estimated, it was not foreseen that multiple relocations would be temporary and thus additional revenue/expenditure once the permanent relocations were completed.

*Information relating to revenues and quantities for the disclosure year*

15. In the box below provide-

- 15.1 a comparison of the target revenue disclosed before the start of the disclosure year, in accordance with clause 2.4.1 and subclause 2.4.3(3) to total billed line charge revenue for the disclosure year, as disclosed in Schedule 8; and

- 15.2 explanatory comment on reasons for any material differences between target revenue and total billed line charge revenue.

**Box 12: Explanatory comment relating to revenue for the disclosure year**

15.1 The variance between target revenue and total billed revenue for the year is 3%.

15.2 Total billed revenue is higher than target revenue due to higher than expected kilowatt hour consumption. The main drivers for this are colder than average temperatures in winter, a warmer than average summer and growth in large commercials and subdivisions.

*Network Reliability for the Disclosure Year (Schedule 10)*

16. In the box below, comment on network reliability for the disclosure year, as disclosed in Schedule 10.

**Box 13: Commentary on network reliability for the disclosure year**

The normalised result for SAIDI was 113.67

The normalised result for SAIFI was 1.66

1. No significant event to normalise within the 2019FY
2. Recalculated TOTAL SAIFI is 1.74 based from the proposed stage interruption.

*Insurance cover*

17. In the box below, provide details of any insurance cover for the assets used to provide electricity distribution services, including-

17.1 The EDB's approaches and practices in regard to the insurance of assets used to provide electricity distribution services, including the level of insurance;

17.2 In respect of any self insurance, the level of reserves, details of how reserves are managed and invested, and details of any reinsurance.

**Box 14: Explanation of insurance cover**

17.1: WEL takes prudent insurance cover for critical 'point' assets within the network (being the substations) including material damage, but notes insurance for the actual network is either unavailable or prohibitively expensive. WEL also takes prudent insurance cover for the non-network assets and appropriate contracting and statutory liability insurances.

17.2: WEL does not have any formal self-insurance policies. WEL has risk management practices and procedures. WEL does not have its own 'captive' insurance company or cash reserves invested.

*Amendments to previously disclosed information*

18. In the box below, provide information about amendments to previously disclosed information disclosed in accordance with clause 2.12.1 in the last 7 years, including:
- 18.1 a description of each error; and
  - 18.2 for each error, reference to the web address where the disclosure made in accordance with clause 2.12.1 is publicly disclosed.

**Box 15: Disclosure of amendment to previously disclosed information**

[Insert text here]

Company Name \_\_\_\_\_

For Year Ended \_\_\_\_\_

## **Schedule 14a      Mandatory Explanatory Notes on Forecast Information**

*(In this Schedule, clause references are to the Electricity Distribution Information Disclosure Determination 2012 – as amended and consolidated 3 April 2018.)*

1. This Schedule requires EDBs to provide explanatory notes to reports prepared in accordance with clause 2.6.6.
2. This Schedule is mandatory—EDBs must provide the explanatory comment specified below, in accordance with clause 2.7.2. This information is not part of the audited disclosure information, and so is not subject to the assurance requirements specified in section 2.8.

*Commentary on difference between nominal and constant price capital expenditure forecasts (Schedule 11a)*

3. In the box below, comment on the difference between nominal and constant price capital expenditure for the current disclosure year and 10 year planning period, as disclosed in Schedule 11a.

**Box 1: Commentary on difference between nominal and constant price capital expenditure forecasts**  
[Insert text here]

*Commentary on difference between nominal and constant price operational expenditure forecasts (Schedule 11b)*

4. In the box below, comment on the difference between nominal and constant price operational expenditure for the current disclosure year and 10 year planning period, as disclosed in Schedule 11b.

**Box 2: Commentary on difference between nominal and constant price operational expenditure forecasts**  
[Insert text here]

Company Name \_\_\_\_\_

For Year Ended \_\_\_\_\_

## **Schedule 15      Voluntary Explanatory Notes**

*(In this Schedule, clause references are to the Electricity Distribution Information Disclosure Determination 2012 – as amended and consolidated 3 April 2018.)*

1. This schedule enables EDBs to provide, should they wish to-
  - 1.1 additional explanatory comment to reports prepared in accordance with clauses 2.3.1, 2.4.21, 2.4.22, 2.5.1 and 2.5.2;
  - 1.2 information on any substantial changes to information disclosed in relation to a prior disclosure year, as a result of final wash-ups.
2. Information in this schedule is not part of the audited disclosure information, and so is not subject to the assurance requirements specified in section 2.8.
3. Provide additional explanatory comment in the box below.

**Box 1: Voluntary explanatory comment on disclosed information****Schedule 5g**

The cost allocator for mixed use poles was previously ACAM. This has been changed to ABAA for 2019 to align to the new requirements. Using GIS data we have identified the number of poles that are being used for mixed use purposes and after deducting the non-network value for the fibre, phones use etc the value of not directly attributable assets is \$2.3M, previously calculated as \$5.6M under ACAM.

In previous years there was no allocation for non-network assets that were allocated to non-network activities such as contracting and all were included in directly attributable assets. For 2019, using ABAA the assets have been separately allocated in to not directly attributable. These include land and buildings, furniture and computer hardware and software and align to the relevant business opex allocations. The value of not directly attributable assets is \$7M, previously it was nil under ACAM.

**Schedule 10**

The Commerce Commission has raised a concern regarding the interpretation of “interruption” for Schedule 10 disclosure. Some EDBs have been calculating the relevant SAIFI values based on a single outage, not based on multiple outages. This treatment by EDBs is inconsistent with the definition of interruption in Schedule 1.4.3 of the ID Determination. This is relevant to the calculation of SAIFI which may have led to SAIFI being underreported.

We have recalculated our SAIFI and the value disclosed for FY2019 has been recalculated based on successive (stage) interruptions which is the preferred method moving forward. The SAIFI for FY2019 has increased by 8.67% from 1.60 to 1.74.



## **Related Party Procurement**

### **Procurement Policy Summary**

WEL Networks Ltd (WEL) procures a range of goods and services that enable the construction, operation and maintenance of our electricity network. While there is a need to ensure procurement delivers value for money, procurement should also ensure quality, safety, efficient and sustainable sourcing.

WEL Networks may engage related parties to deliver services on their behalf across the distribution network. Related parties may be chosen to achieve efficiency through obtaining desired quality/price, ensure high safety standards and retention of the appropriate skills within WEL.

A **related party** means a person that is related to the EDB, where the EDB would be considered as the 'reporting entity' under NZ IAS 24 or any part of the EDB that does not supply electricity distribution services<sup>1</sup>.

The current procurement policy was approved in March 2019.

All work is either designed within WEL Networks or through external contractors with the correct expertise. If designed externally it is reviewed by the WEL Networks design team and/or Contract Managers.

WEL is legally responsible for the design and construction of the network and therefore any work carried out on the network must be completed by authorised contractors who are approved by WEL. These contractors are requested to undertake Health and Safety assessments as part of WEL's PCBU requirements and Public Safety Management systems. The list of approved contractors other than WEL's Contracting department can be found by contacting Customer Services on 0800 800 935.

There are a number of key considerations, constraints and drivers for the work allocation including overall network planning principles, network design, supplier expertise in delivery, supplier availability, price and quality.

All materials used on the network are sourced and issued through WEL Networks' Distribution Centre irrespective of who undertakes the work, to ensure consistency in products used as well as quality and pricing.

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<sup>1</sup> Commerce Commission, *Electricity Distribution Service Input Methodologies Determination 2012*

### Classification of related party procurement

WEL Networks splits its operational and capital expenditure into a number of categories. These categories serve as the basis for who may be engaged to undertake the work.

Classification	Category	Description	Supplier
<b>Opex</b>	Service Interruptions & Emergencies	These are usually first response costs that either fix or make safe lines/equipment that have been damaged due to weather events, human interaction e.g. car v poles and general faults.	WEL's Contracting division undertakes this work.
	Planned Maintenance	These are small, planned jobs to ensure the network and buildings are working efficiently and effectively.	WEL's Contracting division completes the majority of this work unless there is insufficient capacity or a higher skill set is held by an approved contractor.
	Vegetation	Tree maintenance plays a vital role in delivering a safe and reliable power supply to our communities.	WEL's Contracting division will undertake the work where critical unless the vegetation owner chooses another approved contractor.
	System operations & network support	WEL's Contracting division charges monthly fees for design, project management, As-Built and Data services.	WEL's Contracting division undertakes this work
<b>CAPEX</b>	Network projects	Network projects tend to be planned in advance, e.g. substation upgrades.	WEL's Contracting division and other approved contractors
	Asset replacement	Work under this category is largely improvement projects and planned in advance e.g. pole/crossarm replacements or cable conducting. They also include 2 <sup>nd</sup> response fault jobs when the jobs require asset replacements rather than just maintenance.	WEL's Contracting division and other approved contractors
	Customer Initiated Works	These works include subdivisions, new connections, asset relocations etc.	WEL's Contracting division and other approved contractors.

## Examples of procurement by category

Example	Practical application of Policy	Supplier used	Reason for supplier use	How cost determined	Change from Prior year?
<i>Service Interruptions &amp; Emergencies</i>					
<b>LV Fuse Trip</b> Customer has called with a fault of no power. Job was due to 11kv line down on a pole. The faultman repaired and relivened.	A work order is automatically created at the time a fault call is made and a faultman is dispatched. Due to the unknown nature of fault work, the work required is assessed on the job. This example was completed by the 1 <sup>st</sup> response faultman and did not need any additional planning or design work.	WEL's Contracting division	To utilise the expertise and services of a stand by team who are available 24/7	Labour rate is based on average salary costs plus direct overheads. Salary costs are based on productivity/billability	None
<i>Planned Maintenance</i>					
<b>Battery discharge testing at substation</b> Perform discharge testing on all Protection and Comms batteries in substation	Maintenance jobs are divided equally over maintenance cycles. A maintenance plan is produced that includes routine maintenance and automatically creates a work order once the task is due for maintenance. Work included in maintenance plan such as the example given, is pre-approved by the Maintenance manager and is reviewed by the planning team once work order is created before being given to the scheduling team and dispatched for completion.	WEL's Contracting division	To utilise the expertise and services of teams with knowledge of WEL's network	Labour rate is based on average salary costs plus direct overheads. Salary costs are based on productivity/billability	None

<i>Vegetation</i>					
<b>Monthly line inspection</b> 100% of the network is required to be inspected for possible vegetation issues. The monthly Vegetation costs include line inspection and cuts.	When vegetation poses a danger to the network WEL is obligated to undertake the work to remove the danger. If trees are on private land and within the Growth Limit Zone a notification letter is given to the land owner and at this point the owner has a choice of who they use to trim the trees.	WEL's Contracting division and other contractors	Customers have the ability to choose contractors. WEL's Contracting division is used for critical cuts.	Cost is an annual service fee which is based on the average cost of salaries, offset by forecast revenues earned by private work	None
<i>System operations &amp; network support</i>					
<b>Distribution design, planning and scheduling services</b> This is a monthly fee to cover the costs of the Contracting design and planning services.	Work is initially designed within WEL Networks. All internally contracted work goes to a team within WEL's Contracting division to design, plan and schedule the work, both capex and opex.	WEL's Contracting division	To utilise the expertise and services of teams with knowledge of WEL's network	Cost is an annual service fee which is based on the average cost of salaries plus direct overheads.	None
<i>Network projects</i>					
<b>Rural reliability project</b> This project is included replacement of poles, crossarms and reconfiguring 33kv feeders	This was included in the annual Asset Management Plan. The work was designed and costed within WEL Networks and due to the financial value was approved by the General Manager. The project was then scheduled for completion.	WEL's Contracting division	Supplier has been chosen based on expertise and availability	Labour rate is based on average salary costs plus direct overheads. Salary costs are based on productivity/billability	None
<i>Asset replacement</i>					
<b>Replacement of 11kV lines</b> This example was part of a large project to replace crossarms, poles and 11kv overhead lines to a section of line.	This was included in the annual Asset Management Plan. The work was designed and costed within WEL Networks and due to the high value it was approved by the CEO. The project	WEL's Contracting division	Supplier has been chosen based on expertise and availability	Labour rate is based on average salary costs plus direct overheads. Salary costs are based on productivity/billability	None

	was then scheduled for completion.				
<i>Customer Initiated Works</i>					
<b>New Customer Connection</b> Customer request for additional connections. Request included installing a ring main unit, pole, transformer and underground cables.	A customer requested additional connections for their property. This request was scoped, designed, costed and approved within WEL. Due to the size of the job, final approval lay with the General Manager. A quote was sent to the customer. Once the customer confirmed and a deposit was made the work was allocated for completion.	WEL's Contracting division	Supplier has been chosen based on expertise and availability	Labour rate is based on average salary costs plus direct overheads. Salary costs are based on productivity/billability	None

### Market Testing

Category	Type of test	Last tested	Comments
Service Interruptions & Emergencies	Labour and plant rate comparison	2019	Labour rates are calculated as actual cost plus an allocation of overheads. These labour rates are compared against contractors for reasonableness however the related party is solely used and the department is run on a break even basis*
Planned Maintenance	Labour and plant rate comparison	2019	Labour rates are calculated as actual cost plus an allocation of overheads. These labour rates are compared against contractors for reasonableness however the related party is used in the first instance**
Vegetation	None	Never tested	Customer can choose the supplier therefore WEL's Contracting division has to be competitive in its pricing to ensure they retain the work
System operations and network support	None	Never tested	Labour rates are calculated as actual cost plus an allocation of overheads. No particular market testing is done but positions are graded and benchmarked when a person is appointed.
Network projects	Labour and plant rate comparison	2019	Rates are compared annually between related party and external contractors
Asset replacement	Labour and plant rate comparison	2019	Rates are compared annually between related party and external contractors. A benchmarking exercise is also undertaken for cabling work
Customer Initiated Works	Labour and plant rate comparison	2019	Rates are compared annually between related party and external contractors

\*The related party is solely utilised for this category due to the unknown nature of the work. This work relies on teams being available 24/7 and therefore WEL, through its related party, has a first response team that are on standby to be able

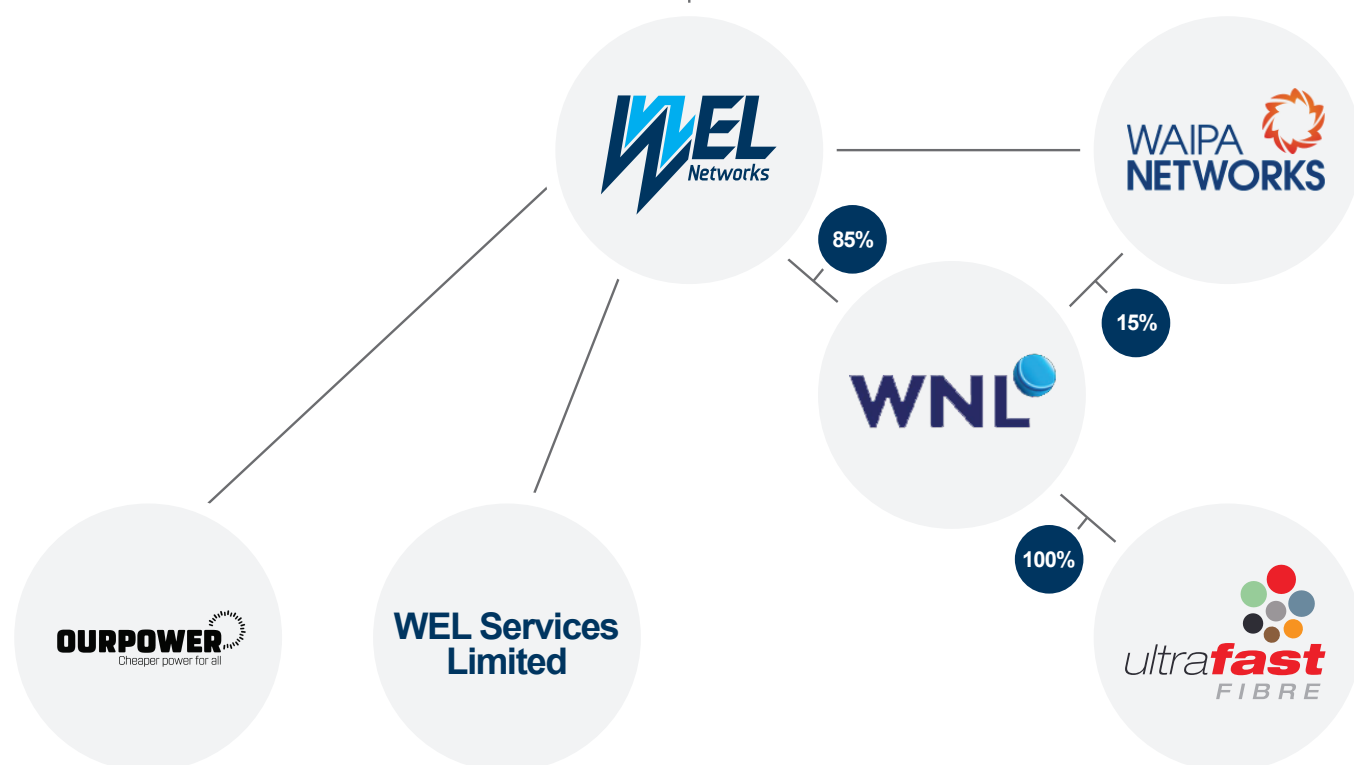
to attend faults at short notice. This reduces response time and utilises the knowledge, expertise and IP of the staff in-house.

**\*\***The related party is used primarily for this category as it has a team of skilled and qualified personnel to complete the work. It involves having knowledge of the network which is less likely to apply to external contractors.

# Regulated Related Party Model



**WELGroup.**



**Wholly owned retail provider of power to the Waikato region.**

**Annual revenue (000's):**  
Lines charges: 2019 - \$270

**Wholly owned subsidiary providing contracting services to WEL Networks.**

**Annual expenditure Opex (000's):**

Service interruption and emergencies: \$2,407  
Vegetation Management: \$1,302  
Routine and corrective maintenance and inspection: \$1,422  
Asset replacement and renewal: \$1,702  
System operations and network support: \$2,649

**Annual expenditure Capex (000's):**

Consumer connection: \$5,150  
System Growth: \$56  
Asset replacement and renewal: \$8,451  
Asset relocations: \$1,613  
Quality of Supply: \$300  
Legislative and regulatory: \$151  
Other reliability, safety and environment: \$632

WSL was amalgamated into WEL Networks as at 29th March 2019.

**UFF builds, owns and operates the UFB network in a variety of urban towns within the north island. UFF rent space on some WEL Networks' poles for their fibre connections.**

**Annual revenue (000's):**  
Pole lease: 2019 - \$88

This revenue is non-regulatory and is excluded from the regulatory financial statements.