



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

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

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

Company Name **WEL Networks**
 For Year Ended **31 March 2017**

SCHEDULE 1: ANALYTICAL RATIOS

This schedule calculates expenditure, revenue and service ratios from the information disclosed. The disclosed ratios may vary for reasons that are company specific and, as a result, must be interpreted with care. The Commerce Commission will publish a summary and analysis of information disclosed in accordance with the ID determination. This will include information disclosed in accordance with this and other schedules, and information disclosed under the other requirements of the determination.

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

sch ref

1(i): Expenditure metrics		Expenditure per GWh energy delivered to ICPs (\$/GWh)	Expenditure per average no. of ICPs (\$/ICP)	Expenditure per MW maximum coincident system demand (\$/MW)	Expenditure per km circuit length (\$/km)	Expenditure per MVA of capacity from EDB-owned distribution transformers (\$/MVA)
Operational expenditure		20,957	287	93,521	4,759	28,696
Network		3,815	52	17,022	866	5,223
Non-network		17,143	235	76,499	3,893	23,473
Expenditure on assets		24,771	339	110,540	5,625	33,918
Network		23,547	322	105,076	5,347	32,242
Non-network		1,224	17	5,464	278	1,676
1(ii): Revenue metrics		Revenue per GWh energy delivered to ICPs (\$/GWh)	Revenue per average no. of ICPs (\$/ICP)			
Total consumer line charge revenue		86,608	1,185			
Standard consumer line charge revenue		87,347	1,170			
Non-standard consumer line charge revenue		52,155	222,346			
1(iii): Service intensity measures						
Demand density		51				Maximum coincident system demand per km of circuit length (for supply) (kW/km)
Volume density		227				Total energy delivered to ICPs per km of circuit length (for supply) (MWh/km)
Connection point density		17				Average number of ICPs per km of circuit length (for supply) (ICPs/km)
Energy intensity		13,680				Total energy delivered to ICPs per average number of ICPs (kWh/ICP)
1(iv): Composition of regulatory income						
				(\$000)	% of revenue	
Operational expenditure				25,539	23.03%	
Pass-through and recoverable costs excluding financial incentives and wash-ups				29,646	26.74%	
Total depreciation				20,412	18.41%	
Total revaluations				10,929	9.86%	
Regulatory tax allowance				10,618	9.58%	
Regulatory profit/(loss) including financial incentives and wash-ups				35,591	32.10%	
Total regulatory income				110,878		
1(v): Reliability						
Interruption rate				19.28		Interruptions per 100 circuit km

Company Name **WEL Networks**
 For Year Ended **31 March 2017**

SCHEDULE 2: REPORT ON RETURN ON INVESTMENT

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

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

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

	CY-2	CY-1	Current Year CY
	31 Mar 15	31 Mar 16	31 Mar 17
	%	%	%
2(i): Return on Investment			
ROI – comparable to a post tax WACC			
Reflecting all revenue earned	4.49%	4.63%	6.84%
Excluding revenue earned from financial incentives	4.49%	4.63%	6.84%
Excluding revenue earned from financial incentives and wash-ups	4.49%	4.63%	6.84%
Mid-point estimate of post tax WACC			
25th percentile estimate	6.10%	5.37%	4.77%
75th percentile estimate	5.39%	4.66%	4.05%
	6.82%	6.09%	5.48%
ROI – comparable to a vanilla WACC			
Reflecting all revenue earned	5.27%	5.28%	7.39%
Excluding revenue earned from financial incentives	5.27%	5.28%	7.39%
Excluding revenue earned from financial incentives and wash-ups	5.27%	5.28%	7.39%
WACC rate used to set regulatory price path			
	–	–	–
Mid-point estimate of vanilla WACC			
25th percentile estimate	6.89%	6.02%	5.31%
75th percentile estimate	6.17%	5.30%	4.59%
	7.60%	6.74%	6.03%
2(ii): Information Supporting the ROI			
			(\$000)
Total opening RAB value	508,016		
plus Opening deferred tax	(26,803)		
Opening RIV		481,213	
Line charge revenue		105,544	
Expenses cash outflow	55,186		
add Assets commissioned	31,350		
less Asset disposals	171		
add Tax payments	5,641		
less Other regulated income	5,334		
Mid-year net cash outflows		86,672	
Term credit spread differential allowance		–	
Total closing RAB value	529,712		
less Adjustment resulting from asset allocation	1		
less Lost and found assets adjustment	–		
plus Closing deferred tax	(31,780)		
Closing RIV		497,932	
ROI – comparable to a vanilla WACC			7.39%
Leverage (%)			44%
Cost of debt assumption (%)			4.41%
Corporate tax rate (%)			28%
ROI – comparable to a post tax WACC			6.84%

Company Name **WEL Networks**
 For Year Ended **31 March 2017**

SCHEDULE 3: REPORT ON REGULATORY PROFIT

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

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

sch ref

3(i): Regulatory Profit		((\$000))
7	Income	
8	Line charge revenue	105,544
9	plus Gains / (losses) on asset disposals	(81)
10	plus Other regulated income (other than gains / (losses) on asset disposals)	5,415
11		
12	Total regulatory income	110,878
13	Expenses	
14	less Operational expenditure	25,539
15	less Pass-through and recoverable costs excluding financial incentives and wash-ups	29,646
16		
17	Operating surplus / (deficit)	55,692
18	less Total depreciation	20,412
19	plus Total revaluations	10,929
20		
21	Regulatory profit / (loss) before tax	46,208
22	less Term credit spread differential allowance	-
23	less Regulatory tax allowance	10,618
24		
25	Regulatory profit/(loss) including financial incentives and wash-ups	35,591
26		
27		
28		
29		
30		
31		
32		
33	3(ii): Pass-through and Recoverable Costs excluding Financial Incentives and Wash-Ups	((\$000))
34	Pass through costs	
35	Rates	414
36	Commerce Act levies	152
37	Industry levies	259
38	CPP specified pass through costs	-
39	Recoverable costs excluding financial incentives and wash-ups	
40	Electricity lines service charge payable to Transpower	24,206
41	Transpower new investment contract charges	2,634
42	System operator services	-
43	Distributed generation allowance	1,981
44	Extended reserves allowance	-
45	Other recoverable costs excluding financial incentives and wash-ups	-
46	Pass-through and recoverable costs excluding financial incentives and wash-ups	29,646
47		
48	3(iii): Incremental Rolling Incentive Scheme	((\$000))
49		
50		
51	Allowed controllable opex	
52	Actual controllable opex	
53		
54	Incremental change in year	
55		
56		
57	CY-5 31 Mar 12	
58	CY-4 31 Mar 13	
59	CY-3 31 Mar 14	
60	CY-2 31 Mar 15	
61	CY-1 31 Mar 16	
62	Net incremental rolling incentive scheme	-
63		
64	Net recoverable costs allowed under incremental rolling incentive scheme	-
65	3(iv): Merger and Acquisition Expenditure	((\$000))
66	Merger and acquisition expenditure	
67		
68	<i>Provide commentary on the benefits of merger and acquisition expenditure to the electricity distribution business, including required disclosures in accordance with section 2.7, in Schedule 14 (Mandatory Explanatory Notes)</i>	
69	3(v): Other Disclosures	((\$000))
70	Self-insurance allowance	
71		

Company Name **WEL Networks**
 For Year Ended **31 March 2017**

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

This schedule requires information on the calculation of the Regulatory Asset Base (RAB) value to the end of this disclosure year. This informs the R2 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 2.5

4(i): Regulatory Asset Base Value (Rolled Forward)

	RAB				
	31 Mar 13	31 Mar 14	31 Mar 15	31 Mar 16	31 Mar 17
	(\$000)	(\$000)	(\$000)	(\$000)	(\$000)
Total opening RAB value	477,267	459,970	475,614	485,846	508,016
less Total depreciation	15,874	19,644	19,741	20,348	20,412
plus Total revaluations	3,611	6,939	978	2,843	10,929
plus Assets commissioned	11,954	32,341	20,676	18,981	31,450
less Asset disposals	1,490	4,052	600	348	371
plus Lost and found assets adjustment	-	-	-	-	-
plus Adjustment resulting from asset allocation	-	-	200	80	1
Total closing RAB value	459,970	475,614	484,846	508,016	528,712

4(ii): Unallocated Regulatory Asset Base

	Unallocated RAB *		RAB	
	(\$000)	(\$000)	(\$000)	(\$000)
Total opening RAB value		508,016		508,016
less Total depreciation		20,412		20,412
plus Total revaluations		10,929		10,929
plus Assets commissioned (other than below)	25,263		25,263	
Assets acquired from a regulated supplier	6,087		6,087	
Assets acquired from a related party				
Assets commissioned		11,150		11,150
less Asset disposals (other than below)	171		171	
Asset disposals to a regulated supplier				
Asset disposals to a related party				
Asset disposals		171		171
plus Lost and found assets adjustment				
plus Adjustment resulting from asset allocation				1
Total closing RAB value		528,712		528,712

* 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.

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

CPI _t	1.71%
CPI _{t-4}	1.200%
Revaluation rate (%)	2.17%

	Unallocated RAB *		RAB	
	(\$000)	(\$000)	(\$000)	(\$000)
Total opening RAB value	508,016		508,016	
less Opening value of fully depreciated, disposed and lost assets	3,822		3,822	
Total opening RAB value subject to revaluation	504,195		504,195	
Total revaluations		10,929		10,929

4(iv): Roll Forward of Works Under Construction

	Unallocated works under construction		Allocated works under construction	
	(\$000)	(\$000)	(\$000)	(\$000)
Works under construction—preceding disclosure year		48,614		48,614
plus Capital expenditure	24,271		24,271	
less Assets commissioned	31,350		31,350	
plus Adjustment resulting from asset allocation				
Works under construction—current disclosure year		41,335		41,335
Highest rate of capitalised finance applied				4.66%

4(v): Regulatory Depreciation

	Unallocated RAB *		RAB	
	(\$000)	(\$000)	(\$000)	(\$000)
Depreciation—standard	16,445		16,445	
Depreciation—no standard life assets	3,967		3,967	
Depreciation—modified life assets				
Depreciation—alternative depreciation in accordance with CPP				
Total depreciation	20,412		20,412	

4(vi): Disclosure of Changes to Depreciation Profiles

(\$000 unless otherwise specified)

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

4(vii): Disclosure by Asset Category

(\$000 unless otherwise specified)

	Subtransmission lines	Subtransmission cables	Zone substations	Distribution and LV lines	Distribution and LV cables	Distribution substations and transformers	Distribution switchgear	Other network assets	Non-network assets	Total
	Total opening RAB value	21,471	54,209	62,550	98,147	112,490	11,950	23,995	17,104	32,601
less Total depreciation	554	1,387	2,083	3,375	5,264	2,813	759	1,010	3,967	20,412
plus Total revaluations	495	1,226	1,463	2,115	2,810	1,255	519	149	636	10,929
plus Assets commissioned	148	501	5,200	5,685	10,290	3,165	3,721	1,183	1,277	31,450
less Asset disposals	-	-	-	-	-	-	-	-	171	371
plus Lost and found assets adjustment	-	-	-	-	-	-	-	-	-	-
plus Adjustment resulting from asset allocation	-	-	-	-	-	-	-	-	-	1
Asset category transfers	-	-	-	-	-	-	-	-	-	-
Total closing RAB value	31,530	57,049	72,129	102,579	140,346	60,337	27,476	17,646	30,425	528,712
Asset Life										
Weighted average remaining asset life	43	44	33	33	41	33	44	10	15	(years)
Weighted average expected total asset life	59	33	44	58	53	40	43	15	18	(years)



Company Name **WEL Networks**
 For Year Ended **31 March 2017**

SCHEDULE 5a: REPORT ON REGULATORY TAX ALLOWANCE

This schedule requires information on the calculation of the regulatory tax allowance. This information is used to calculate regulatory profit/loss in Schedule 3 (regulatory profit). EDBs must provide explanatory commentary on the information disclosed in this schedule, in Schedule 14 (Mandatory Explanatory Notes). This information is part of audited disclosure information (as defined in section 1.4 of the ID determination), and so is subject to the assurance report required by section 2.8.

sch ref				
7	5a(i): Regulatory Tax Allowance			(\$000)
8	Regulatory profit / (loss) before tax			46,208
9				
10	plus Income not included in regulatory profit / (loss) before tax but taxable	3,326	*	
11	Expenditure or loss in regulatory profit / (loss) before tax but not deductible	17	*	
12	Amortisation of initial differences in asset values	7,095		
13	Amortisation of revaluations	1,349		
14				11,788
15				
16	less Total revaluations	10,929		
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	9,147		
21				20,075
22				
23	Regulatory taxable income			37,921
24				
25	less Utilised tax losses	-		
26	Regulatory net taxable income			37,921
27				
28	Corporate tax rate (%)	28%		
29	Regulatory tax allowance			10,618
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	120,619		
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			113,524
41				
42	Opening weighted average remaining useful life of relevant assets (years)			17
43				
44	5a(iv): Amortisation of Revaluations			(\$000)
45				
46	Opening sum of RAB values without revaluations	479,433		
47				
48	Adjusted depreciation	19,063		
49	Total depreciation	20,412		
50	Amortisation of revaluations			1,349
51				
52	5a(v): Reconciliation of Tax Losses			(\$000)
53				
54	Opening tax losses	-		
55	plus Current period tax losses	-		
56	less Utilised tax losses	-		
57	Closing tax losses			-
58	5a(vi): Calculation of Deferred Tax Balance			(\$000)
59				
60	Opening deferred tax	(26,801)		
61				
62	plus Tax effect of adjusted depreciation	5,338		
63				
64	less Tax effect of tax depreciation	8,326		
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	1		
73				
74	plus Deferred tax cost allocation adjustment	(0)		
75				
76	Closing deferred tax			(31,780)
77				
78	5a(vii): Disclosure of Temporary Differences			
79	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).			
80				
81	5a(viii): Regulatory Tax Asset Base Roll-Forward			(\$000)
82				
83	Opening sum of regulatory tax asset values	259,262		
84	less Tax depreciation	29,757		
85	plus Regulatory tax asset value of assets commissioned	24,528		
86	less Regulatory tax asset value of asset disposals	66		
87	plus Lost and found assets adjustment			
88	plus Adjustment resulting from asset allocation			
89	plus Other adjustments to the RAB tax value			
90	Closing sum of regulatory tax asset values			253,987

Company Name **WEL Networks**
 For Year Ended **31 March 2017**

SCHEDULE 5d: REPORT ON COST ALLOCATIONS

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

sch ref

sch ref	5d(i): Operating Cost Allocations	Value allocated (\$'000s)			OVABAA allocation increase (\$'000s)
		Arm's length deduction	Electricity distribution services	Non-electricity distribution services	
7	5d(i): Operating Cost Allocations				
8					
9					
10	Service interruptions and emergencies				
11	Directly attributable		2,102		
12	Not directly attributable				
13	Total attributable to regulated service		2,102		
14	Vegetation management				
15	Directly attributable		1,254		
16	Not directly attributable				
17	Total attributable to regulated service		1,254		
18	Routine and corrective maintenance and inspection				
19	Directly attributable		563		
20	Not directly attributable				
21	Total attributable to regulated service		563		
22	Asset replacement and renewal				
23	Directly attributable		730		
24	Not directly attributable				
25	Total attributable to regulated service		730		
26	System operations and network support				
27	Directly attributable		9,946		
28	Not directly attributable				
29	Total attributable to regulated service		9,946		
30	Business support				
31	Directly attributable				
32	Not directly attributable		8,765	2,180	10,945
33	Total attributable to regulated service		8,765		
34					
35	Operating costs directly attributable		14,595		
36	Operating costs not directly attributable		8,765	2,180	10,945
37	Operational expenditure		23,360		
38					

sch ref	5d(ii): Other Cost Allocations		(\$'000)	
39	5d(ii): Other Cost Allocations			
40	Pass through and recoverable costs			
41	Pass through costs			
42	Directly attributable		825	
43	Not directly attributable			
44	Total attributable to regulated service		825	
45	Recoverable costs			
46	Directly attributable		28,821	
47	Not directly attributable			
48	Total attributable to regulated service		28,821	
49				

sch ref	5d(iii): Changes in Cost Allocations* †	Change in cost allocation 1	Original allocation	(\$'000)	
				CY-1	Current Year (CY)
51					
52					
53					
54					
55					
56					
57					
58					
59					
60					
61					
62					
63					
64					
65					
66					
67					
68					
69					
70					
71					
72					
73					
74					
75					
76					
77					

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

† Include additional rows if needed



Company Name **WEL Networks**
 For Year Ended **31 March 2017**

SCHEDULE 5e: REPORT ON ASSET ALLOCATIONS

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

sch ref

5e(i): Regulated Service Asset Values		Value allocated (\$000s) Electricity distribution services
7		
8		
9		
10	Subtransmission lines	
11	Directly attributable	21,530
12	Not directly attributable	
13	Total attributable to regulated service	21,530
14	Subtransmission cables	
15	Directly attributable	57,049
16	Not directly attributable	
17	Total attributable to regulated service	57,049
18	Zone substations	
19	Directly attributable	72,129
20	Not directly attributable	
21	Total attributable to regulated service	72,129
22	Distribution and LV lines	
23	Directly attributable	97,445
24	Not directly attributable	5,129
25	Total attributable to regulated service	102,573
26	Distribution and LV cables	
27	Directly attributable	140,346
28	Not directly attributable	
29	Total attributable to regulated service	140,346
30	Distribution substations and transformers	
31	Directly attributable	60,537
32	Not directly attributable	
33	Total attributable to regulated service	60,537
34	Distribution switchgear	
35	Directly attributable	27,476
36	Not directly attributable	
37	Total attributable to regulated service	27,476
38	Other network assets	
39	Directly attributable	17,646
40	Not directly attributable	
41	Total attributable to regulated service	17,646
42	Non-network assets	
43	Directly attributable	30,425
44	Not directly attributable	
45	Total attributable to regulated service	30,425
46		
47	Regulated service asset value directly attributable	524,584
48	Regulated service asset value not directly attributable	5,129
49	Total closing RAB value	529,712
50		

5e(ii): Changes in Asset Allocations* †		(\$000)	
		CY-1	Current Year (CY)
53	Change in asset value allocation 1		
54	Asset category		
55	Original allocator or line items		
56	New allocator or line items		
57			
58	Rationale for change		
59			
60			
61			
62	Change in asset value allocation 2		
63	Asset category		
64	Original allocator or line items		
65	New allocator or line items		
66			
67	Rationale for change		
68			
69			
70			
71	Change in asset value allocation 3		
72	Asset category		
73	Original allocator or line items		
74	New allocator or line items		
75			
76	Rationale for change		
77			
78			

* 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.
 † include additional rows if needed



Company Name **WEL Networks**
 For Year Ended **31 March 2017**

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.

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	
7 Have costs been allocated in aggregate using ACAM in accordance with clause 2.1.1(5) of the IM Determination? Yes									
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									
System operations and network support									
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									
Business support									
Audit Fees	ACAM	estimate of Audit Hou	Causal				270	37	307
Insurance	ACAM	estimate of Asset Us	Proxy				517	45	561
Property	ACAM	estimate Space Use	Proxy				1,209	347	1,555
Staff Costs	ACAM	Estimate of Time	Proxy				6,063	1,751	7,814
Not directly attributable									
							8,059	2,180	10,238
Operating costs not directly attributable							8,059	2,180	10,238
Pass through and recoverable costs									
Pass through costs									
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									
Recoverable costs									
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									

* Include additional rows if needed



Company Name
WEL Networks
 For Year Ended
31 March 2017

SCHEDULE 5B: 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

7

Have assets been allocated in aggregate using ACAM in accordance with clause 2.1.1(3) of the IM Determination?

Yes

Line Item*	Allocation methodology type	Allocator	Allocator type	Allocator Metric (%)		Value allocated (\$000)			OVBAA allocation increase (\$000)
				Electricity distribution services	Non-electricity distribution services	Arm's length deduction	Electricity distribution services	Non-electricity distribution services	
Subtransmission lines									
12	Insert asset description	Allocator 1	[Select one]						
13	Insert asset description	Allocator 2	[Select one]						
14	Insert asset description	Allocator 3	[Select one]						
15	Insert asset description	Allocator 4	[Select one]						
16	Insert asset description	Allocator 4	[Select one]						
17	Not directly attributable								
Subtransmission cables									
18	Insert asset description	Allocator 1	[Select one]						
19	Insert asset description	Allocator 2	[Select one]						
20	Insert asset description	Allocator 3	[Select one]						
21	Insert asset description	Allocator 3	[Select one]						
22	Insert asset description	Allocator 4	[Select one]						
23	Not directly attributable								
Zone substations									
24	Insert asset description	Allocator 1	[Select one]						
25	Insert asset description	Allocator 2	[Select one]						
26	Insert asset description	Allocator 3	[Select one]						
27	Insert asset description	Allocator 3	[Select one]						
28	Insert asset description	Allocator 4	[Select one]						
29	Not directly attributable								
Distribution and LV lines									
30	% of Poles with Fibre to total Poles		Proxy	95.02%	4.98%				
31	Insert asset description	Allocator 2	[Select one]				97,465	5,108	102,573
32	Insert asset description	Allocator 3	[Select one]						
33	Insert asset description	Allocator 3	[Select one]						
34	Insert asset description	Allocator 4	[Select one]						
35	Not directly attributable								
							97,465	5,108	102,573

Company Name **WEL Networks**
 For Year Ended **31 March 2017**

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

This schedule requires a breakdown of capital expenditure on assets incurred in the disclosure year, including any assets in respect of which capital contributions are received, but excluding assets that are vested assets. Information on expenditure on assets must be provided on an accounting accruals basis and must exclude finance costs.

EDBs must provide explanatory comment on their expenditure on assets in Schedule 14 (Explanatory Notes to Templates).

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

sch ref

	(\$000)	(\$000)
6a(i): Expenditure on Assets		
Consumer connection		10,602
System growth		1,808
Asset replacement and renewal		12,219
Asset relocations		3,461
Reliability, safety and environment:		
Quality of supply	251	
Legislative and regulatory	51	
Other reliability, safety and environment	303	
Total reliability, safety and environment		605
Expenditure on network assets		28,695
Expenditure on non-network assets		1,492
Expenditure on assets		30,187
plus Cost of financing		740
less Value of capital contributions		6,656
plus Value of vested assets		
Capital expenditure		24,271

6a(ii): Subcomponents of Expenditure on Assets (where known)	(\$000)
Energy efficiency and demand side management, reduction of energy losses	69
Overhead to underground conversion	1
Research and development	-

6a(iii): Consumer Connection	(\$000)	(\$000)
<i>Consumer types defined by EDB*</i>		
Residential Low User	4,165	
Residential Standard User	3,040	
Small Business	1,142	
Small Scale DG Low User	28	
Small Scale DG Standard User	27	
Streetlighting	6	
Medium Voltage (11kV)	525	
High Voltage (33kV)	-	
Low Voltage (400V)	1,587	
Other Unmetered	-	
Smart Price Residential Low User	2	
Smart Price Residential Standard User	47	
Smart Price Small Business	32	
Smart Price Small Scale DG Low User	0	
Asset Specific Customer	-	
Consumer connection expenditure		10,602
less Capital contributions funding consumer connection expenditure	4,006	
Consumer connection less capital contributions		6,596

6a(iv): System Growth and Asset Replacement and Renewal	System Growth (\$000)	Asset Replacement and Renewal (\$000)
Subtransmission	107	865
Zone substations	-	6,809
Distribution and LV lines	-	720
Distribution and LV cables	20	1,230
Distribution substations and transformers	-	1,583
Distribution switchgear	156	-
Other network assets	1,526	1,013
System growth and asset replacement and renewal expenditure	1,808	12,219
less Capital contributions funding system growth and asset replacement and renewal	110	404
System growth and asset replacement and renewal less capital contributions	1,698	11,815

Company Name **WEL Networks**
 For Year Ended **31 March 2017**

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

This schedule requires a breakdown of capital expenditure on assets incurred in the disclosure year, including any assets in respect of which capital contributions are received, but excluding assets that are vested assets. Information on expenditure on assets must be provided on an accounting accruals basis and must exclude finance costs.

EDBs must provide explanatory comment on their expenditure on assets in Schedule 14 (Explanatory Notes to Templates).

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

sch ref

55				
56	6a(v): Asset Relocations			
57	<i>Project or programme*</i>		(\$000)	(\$000)
58	Relocations		2,437	
59	SH1 Huntly Bypass		234	
60	Undergrounding		1	
61	SH1 Hamilton Bypass		541	
62	Longswamp		247	
63	<i>* include additional rows if needed</i>			
64	All other projects or programmes - asset relocations		-	
65	Asset relocations expenditure			3,461
66	<i>less</i> Capital contributions funding asset relocations		2,135	
67	Asset relocations less capital contributions			1,326



Company Name **WEL Networks**
 For Year Ended **31 March 2017**

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

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

sch ref

68				
69	6a(vi): Quality of Supply			
70	<i>Project or programme*</i>		(\$000)	(\$000)
71	Voltage upgrade projects due to monitoring		251	
72			-	
73			-	
74			-	
75			-	
76	<i>* include additional rows if needed</i>			
77	All other projects programmes - quality of supply		-	
78	Quality of supply expenditure			251
79	less Capital contributions funding quality of supply		2	
80	Quality of supply less capital contributions			249
81	6a(vii): Legislative and Regulatory			
82	<i>Project or programme*</i>		(\$000)	(\$000)
83	Capital contributions funding legislative and regulatory		51	
84			-	
85			-	
86			-	
87			-	
88	<i>* include additional rows if needed</i>			
89	All other projects or programmes - legislative and regulatory		-	
90	Legislative and regulatory expenditure			51
91	less Capital contributions funding legislative and regulatory		-	
92	Legislative and regulatory less capital contributions			51
93	6a(viii): Other Reliability, Safety and Environment			
94	<i>Project or programme*</i>		(\$000)	(\$000)
95	Arc Flash protection installation		135	
96	Substation site security access		101	
97	Weavers sub		9	
98		0	-	
99		0	-	
100		0	-	
101	<i>* include additional rows if needed</i>			
102	All other projects or programmes - other reliability, safety and environment		58	
103	Other reliability, safety and environment expenditure			303
104	less Capital contributions funding other reliability, safety and environment		-	
105	Other reliability, safety and environment less capital contributions			303
106	6a(ix): Non-Network Assets			
107	Routine expenditure			
108	<i>Project or programme*</i>		(\$000)	(\$000)
109	Computer Equipment		273	
110	Comp Software		438	
111	Plant and Equipment		219	
112	Motor Vehicles		562	
113			-	
114	<i>* include additional rows if needed</i>			
115	All other projects or programmes - routine expenditure		-	
116	Routine expenditure			1,492
117	Atypical expenditure			
118	<i>Project or programme*</i>		(\$000)	(\$000)
119				
120				
121				
122				
123				

Company Name **WEL Networks**
 For Year Ended **31 March 2017**

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

This schedule requires a breakdown of capital expenditure on assets incurred in the disclosure year, including any assets in respect of which capital contributions are received, but excluding assets that are vested assets. Information on expenditure on assets must be provided on an accounting accruals basis and must exclude finance costs.

EDBs must provide explanatory comment on their expenditure on assets in Schedule 14 (Explanatory Notes to Templates).

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

<i>sch ref</i>			
124	<i>* include additional rows if needed</i>		
125	All other projects or programmes - atypical expenditure		
126	Atypical expenditure		-
127			
128	Expenditure on non-network assets		1,492

Company Name	WEL Networks
For Year Ended	31 March 2017

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

This schedule requires a breakdown of operational expenditure incurred in the disclosure year. EDBs must provide explanatory comment on their operational expenditure in Schedule 14 (Explanatory notes to templates). This includes explanatory comment on any atypical operational expenditure and assets replaced or renewed as part of asset replacement and renewal operational expenditure, and additional information on insurance. This information is part of audited disclosure information (as defined in section 1.4 of the ID determination), and so is subject to the assurance report required by section 2.8.

sch ref

	(\$'000)	(\$'000)
7		
8		
9		
10		
11		
12		
13		
14		
15		
16		
17		
18		
19		
20		
21		
22		
23		

6b(i): Operational Expenditure		
Service interruptions and emergencies	2,102	
Vegetation management	1,254	
Routine and corrective maintenance and inspection	563	
Asset replacement and renewal	730	
Network opex		4,649
System operations and network support	9,946	
Business support	10,945	
Non-network opex		20,891
Operational expenditure		25,539

6b(ii): Subcomponents of Operational Expenditure (where known)		
Energy efficiency and demand side management, reduction of energy losses	444	
Direct billing*	-	
Research and development	331	
Insurance	412	

* Direct billing expenditure by suppliers that directly bill the majority of their consumers

Company Name	WEL Networks
For Year Ended	31 March 2017

SCHEDULE 7: COMPARISON OF FORECASTS TO ACTUAL EXPENDITURE

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

sch ref

7	7(i): Revenue	Target (\$000) ¹	Actual (\$000)	% variance
8	Line charge revenue	102,974	105,544	2%

9	7(ii): Expenditure on Assets	Forecast (\$000) ²	Actual (\$000)	% variance
10	Consumer connection	10,666	10,602	(1%)
11	System growth	973	1,808	86%
12	Asset replacement and renewal	12,598	12,219	(3%)
13	Asset relocations	3,451	3,461	0%
14	Reliability, safety and environment:			
15	Quality of supply	998	251	(75%)
16	Legislative and regulatory	11	51	365%
17	Other reliability, safety and environment	558	303	(46%)
18	Total reliability, safety and environment	1,567	605	(61%)
19	Expenditure on network assets	29,255	28,695	(2%)
20	Expenditure on non-network assets	2,227	1,492	(33%)
21	Expenditure on assets	31,482	30,187	(4%)

22	7(iii): Operational Expenditure			
23	Service interruptions and emergencies	2,271	2,102	(7%)
24	Vegetation management	1,329	1,254	(6%)
25	Routine and corrective maintenance and inspection	1,465	563	(62%)
26	Asset replacement and renewal	1,622	730	(55%)
27	Network opex	6,687	4,649	(30%)
28	System operations and network support	3,868	9,946	157%
29	Business support	11,079	10,945	(1%)
30	Non-network opex	14,947	20,891	40%
31	Operational expenditure	21,634	25,539	18%

32	7(iv): Subcomponents of Expenditure on Assets (where known)			
33	Energy efficiency and demand side management, reduction of energy losses	216	69	(68%)
34	Overhead to underground conversion	9	1	(87%)
35	Research and development	-	-	-

37	7(v): Subcomponents of Operational Expenditure (where known)			
38	Energy efficiency and demand side management, reduction of energy losses	456	444	(3%)
39	Direct billing	-	-	-
40	Research and development	996	331	(67%)
41	Insurance	451	412	(9%)

1 From the nominal dollar target revenue for the disclosure year disclosed under clause 2.4.3(3) of this determination
 2 From the CY+1 nominal dollar expenditure forecasts disclosed in accordance with clause 2.6.6 for the forecast period starting at the beginning of the disclosure year (the second to last disclosure of Schedules 11a and 11b)



Company Name	WEL Networks
For Year Ended	31 March 2017
Network / Sub-network Name	

SCHEDULE 9a: ASSET REGISTER

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

sch ref	Voltage	Asset category	Asset class	Units	Items at start of	Items at end of	Net change	Data accuracy
					year (quantity)	year (quantity)		(1-4)
8	All	Overhead Line	Concrete poles / steel structure	No.	37,080	37,175	95	3
9	All	Overhead Line	Wood poles	No.	2,297	2,209	(88)	3
10	All	Overhead Line	Other pole types	No.	10	10	-	3
11	HV	Subtransmission Line	Subtransmission OH up to 66kV conductor	km	191	191	0	3
12	HV	Subtransmission Line	Subtransmission OH 110kV+ conductor	km	-	-	-	N/A
13	HV	Subtransmission Cable	Subtransmission UG up to 66kV (XLPE)	km	231	234	3	3
14	HV	Subtransmission Cable	Subtransmission UG up to 66kV (Oil pressurised)	km	-	-	-	N/A
15	HV	Subtransmission Cable	Subtransmission UG up to 66kV (Gas pressurised)	km	-	-	-	N/A
16	HV	Subtransmission Cable	Subtransmission UG up to 66kV (PILC)	km	15	15	(0)	3
17	HV	Subtransmission Cable	Subtransmission UG 110kV+ (XLPE)	km	-	-	-	N/A
18	HV	Subtransmission Cable	Subtransmission UG 110kV+ (Oil pressurised)	km	-	-	-	N/A
19	HV	Subtransmission Cable	Subtransmission UG 110kV+ (Gas Pressurised)	km	-	-	-	N/A
20	HV	Subtransmission Cable	Subtransmission UG 110kV+ (PILC)	km	-	-	-	N/A
21	HV	Subtransmission Cable	Subtransmission submarine cable	km	-	-	-	N/A
22	HV	Zone substation Buildings	Zone substations up to 66kV	No.	25	26	1	3
23	HV	Zone substation Buildings	Zone substations 110kV+	No.	-	-	-	N/A
24	HV	Zone substation switchgear	50/66/110kV CB (Indoor)	No.	-	-	-	N/A
25	HV	Zone substation switchgear	50/66/110kV CB (Outdoor)	No.	-	-	-	N/A
26	HV	Zone substation switchgear	33kV Switch (Ground Mounted)	No.	-	-	-	N/A
27	HV	Zone substation switchgear	33kV Switch (Pole Mounted)	No.	55	55	-	4
28	HV	Zone substation switchgear	33kV RMU	No.	9	9	-	4
29	HV	Zone substation switchgear	22/33kV CB (Indoor)	No.	104	110	6	4
30	HV	Zone substation switchgear	22/33kV CB (Outdoor)	No.	30	30	-	4
31	HV	Zone substation switchgear	3.3/6.6/11/22kV CB (ground mounted)	No.	-	-	-	N/A
32	HV	Zone substation switchgear	3.3/6.6/11/22kV CB (pole mounted)	No.	-	-	-	N/A
33	HV	Zone Substation Transformer	Zone Substation Transformers	No.	50	54	4	3
34	HV	Distribution Line	Distribution OH Open Wire Conductor	km	1,939	1,933	(5)	3
35	HV	Distribution Line	Distribution OH Aerial Cable Conductor	km	-	-	-	N/A
36	HV	Distribution Line	SWER conductor	km	-	-	-	N/A
37	HV	Distribution Cable	Distribution UG XLPE or PVC	km	550	562	12	3
38	HV	Distribution Cable	Distribution UG PILC	km	117	116	(1)	3
39	HV	Distribution Cable	Distribution Submarine Cable	km	-	-	-	N/A
40	HV	Distribution switchgear	3.3/6.6/11/22kV CB (pole mounted) - reclosers and sectionalisers	No.	143	175	32	3
41	HV	Distribution switchgear	3.3/6.6/11/22kV CB (Indoor)	No.	373	393	20	3
42	HV	Distribution switchgear	3.3/6.6/11/22kV Switches and fuses (pole mounted)	No.	6,055	6,187	132	3
43	HV	Distribution switchgear	3.3/6.6/11/22kV Switch (ground mounted) - except RMU	No.	-	-	-	3
44	HV	Distribution switchgear	3.3/6.6/11/22kV RMU	No.	1,012	1,039	27	3
45	HV	Distribution Transformer	Pole Mounted Transformer	No.	3,988	4,084	96	3
46	HV	Distribution Transformer	Ground Mounted Transformer	No.	1,895	1,928	33	3
47	HV	Distribution Transformer	Voltage regulators	No.	14	16	2	3
48	HV	Distribution Substations	Ground Mounted Substation Housing	No.	-	-	-	N/A
49	LV	LV Line	LV OH Conductor	km	1,069	1,057	(12)	3
50	LV	LV Cable	LV UG Cable	km	1,227	1,261	34	3
51	LV	LV Street lighting	LV OH/UG Streetlight circuit	km	1,179	1,206	27	3
52	LV	Connections	OH/UG consumer service connections	No.	89,663	91,564	1,901	2
53	All	Protection	Protection relays (electromechanical, solid state and numeric)	No.	923	983	60	3
54	All	SCADA and communications	SCADA and communications equipment operating as a single system	Lot	1,146	1,273	127	3
55	All	Capacitor Banks	Capacitors including controls	No.	1	1	-	4
56	All	Load Control	Centralised plant	Lot	8	8	-	4
57	All	Load Control	Relays	No.	54,473	55,132	659	1
58	All	Civils	Cable Tunnels	km	-	-	-	N/A

WEL Networks
 For Year Ended
 31 March 2017

Company Name
 For Year Ended
 Network / Sub-network Name

SCHEDULE 9b- ASSET AGE PROFILE

This schedule requires a summary of the age profile (based on year of installation) of the assets that make up the network, by asset category and asset class. All units relating to cables and line assets, that are expressed in km, refer to circuit lengths.

Asset category	Asset class	Number of assets at disclosure year end by installation date																No. with open access	No. with deficit	Date expiry										
		1970-1979	1980-1989	1990-1999	2000-2009	2010-2019	2020-2029	2030-2039	2040-2049	2050-2059	2060-2069	2070-2079	2080-2089	2090-2099	2100-2109	2110-2119	2120-2129				2130-2139	2140-2149	2150-2159	2160-2169	2170-2179					
Voltage	All																													
	3	Overhead Line																												
	11	Overhead Line																												
	22	Overhead Line																												
	33	Overhead Line																												
	69	Overhead Line																												
	138	Overhead Line																												
	230	Overhead Line																												
	Voltage	All																												
		3	Underground Cable																											
		11	Underground Cable																											
		22	Underground Cable																											
		33	Underground Cable																											
69		Underground Cable																												
138		Underground Cable																												
230		Underground Cable																												
Voltage		All																												
		3	Substation Cable																											
		11	Substation Cable																											
		22	Substation Cable																											
		33	Substation Cable																											
	69	Substation Cable																												
	138	Substation Cable																												
	230	Substation Cable																												
	Voltage	All																												
		3	Substation Transformer																											
		11	Substation Transformer																											
		22	Substation Transformer																											
		33	Substation Transformer																											
69		Substation Transformer																												
138		Substation Transformer																												
230		Substation Transformer																												
Voltage		All																												
		3	Substation Building																											
		11	Substation Building																											
		22	Substation Building																											
		33	Substation Building																											
	69	Substation Building																												
	138	Substation Building																												
	230	Substation Building																												
	Voltage	All																												
		3	Zone substation up to 66kV																											
		11	Zone substation up to 66kV																											
		22	Zone substation up to 66kV																											
		33	Zone substation up to 66kV																											
69		Zone substation up to 66kV																												
138		Zone substation up to 66kV																												
230		Zone substation up to 66kV																												
Voltage		All																												
		3	50/60/120kV CB (Indoor)																											
		11	50/60/120kV CB (Indoor)																											
		22	50/60/120kV CB (Indoor)																											
		33	50/60/120kV CB (Indoor)																											
	69	50/60/120kV CB (Indoor)																												
	138	50/60/120kV CB (Indoor)																												
	230	50/60/120kV CB (Indoor)																												
	Voltage	All																												
		3	3BHV Switch (Pole Mounted)																											
		11	3BHV Switch (Pole Mounted)																											
		22	3BHV Switch (Pole Mounted)																											
		33	3BHV Switch (Pole Mounted)																											
69		3BHV Switch (Pole Mounted)																												
138		3BHV Switch (Pole Mounted)																												
230		3BHV Switch (Pole Mounted)																												
Voltage		All																												
		3	138V MVU																											
		11	138V MVU																											
		22	138V MVU																											
		33	138V MVU																											
	69	138V MVU																												
	138	138V MVU																												
	230	138V MVU																												
	Voltage	All																												
		3	230kV CB (Indoor)																											
		11	230kV CB (Indoor)																											
		22	230kV CB (Indoor)																											
		33	230kV CB (Indoor)																											
69		230kV CB (Indoor)																												
138		230kV CB (Indoor)																												
230		230kV CB (Indoor)																												
Voltage		All																												
		3	Zone Substation Transformer																											
		11	Zone Substation Transformer																											
		22	Zone Substation Transformer																											
		33	Zone Substation Transformer																											
	69	Zone Substation Transformer																												

Company Name **WEL Networks**
 For Year Ended **31 March 2017**
 Network / Sub-network Name

SCHEDULE 9c: REPORT ON OVERHEAD LINES AND UNDERGROUND CABLES

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

sch ref

9				
10	Circuit length by operating voltage (at year end)			Total circuit length
11	> 66kV			
12	50kV & 66kV			
13	33kV	191	249	440
14	SWER (all SWER voltages)			
15	22kV (other than SWER)			
16	6.6kV to 11kV (inclusive—other than SWER)	1,933	677	2,610
17	Low voltage (< 1kV)	1,057	1,260	2,317
18	Total circuit length (for supply)	3,181	2,186	5,367
19				
20	Dedicated street lighting circuit length (km)	274	932	1,206
21	Circuit in sensitive areas (conservation areas, iwi territory etc) (km)			898
22				
23	Overhead circuit length by terrain (at year end)			(% of total
24	Urban	567		overhead length)
25	Rural	1,933		18%
26	Remote only			61%
27	Rugged only	681		21%
28	Remote and rugged			
29	Unallocated overhead lines			
30	Total overhead length	3,181		100%
31				
32				(% of total circuit
33	Length of circuit within 10km of coastline or geothermal areas (where known)	378		length)
34				(% of total
35	Overhead circuit requiring vegetation management	3,181		overhead length)
				100%

Company Name
For Year Ended

WEL Networks
31 March 2017

SCHEDULE 9d: REPORT ON EMBEDDED NETWORKS

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

sch ref

	Location *	Number of ICPs served	Line charge revenue (\$000)
8	Brick St	18	114
10	Flagship	3	83
11	Half Moon Bay	59	57
12	Hulme Place	32	18
13	Jeffs Road Dannemora	883	621
14	Kirkdale	266	199
15	Oaklands	179	146
16	Porchester Road	278	203
17	Ryan Place	52	34
18	Southgate	108	82
19			
20			
21			
22			
23			
24			
25			

* 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
For Year Ended	31 March 2017
Network / Sub-network Name	

SCHEDULE 9e: REPORT ON NETWORK DEMAND

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

sch ref

8	9e(i): Consumer Connections		
9	Number of ICPs connected in year by consumer type		
10	Consumer types defined by EDB*	Number of connections (ICPs)	
11	Residential Low User (1153SP)	73	
	Residential Standard User (1154SP)	1,103	
	Small Business (1200SP)	575	
	Small Scale DG Low User (1250SP)	1	
	Small Scale DG Standard User (1251SP)	15	
	Streetlighting (1293)	6	
	Medium Voltage (11kV) (1354)	—	
12	High Voltage (33kV) (1357)	—	
13	Low Voltage (400V) (1360)	40	
14	Other Unmetered (1450)	—	
15			
16	* include additional rows if needed		
17	Connections total	1,813	
18			
19	Distributed generation		
20	Number of connections made in year	136	connections
21	Capacity of distributed generation installed in year	0.42	MVA
22	9e(ii): System Demand		
23			
24		Demand at time of maximum coincident demand (MW)	
25	Maximum coincident system demand		
26	GXP demand	273	
27	plus Distributed generation output at HV and above	—	
28	Maximum coincident system demand	273	
29	less Net transfers to (from) other EDBs at HV and above	—	
30	Demand on system for supply to consumers' connection points	273	
31	Electricity volumes carried	Energy (GWh)	
32	Electricity supplied from GXPs	925	
33	less Electricity exports to GXPs	112	
34	plus Electricity supplied from distributed generation	449	
35	less Net electricity supplied to (from) other EDBs	(14)	
36	Electricity entering system for supply to consumers' connection points	1,276	
37	less Total energy delivered to ICPs	1,219	
38	Electricity losses (loss ratio)	58	4.5%
39			
40	Load factor	0.53	
41	9e(iii): Transformer Capacity		
42		(MVA)	
43	Distribution transformer capacity (EDB owned)	890	
44	Distribution transformer capacity (Non-EDB owned, estimated)	27	
45	Total distribution transformer capacity	917	
46			
47	Zone substation transformer capacity	945	

Company Name **WEL Networks**
 For Year Ended **31 March 2017**
 Network / Sub-network Name

SCHEDULE 10: REPORT ON NETWORK RELIABILITY

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

sch ref

10(i): Interruptions

Interruptions by class

- Class A (planned interruptions by Transpower)
- Class B (planned interruptions on the network)
- Class C (unplanned interruptions on the network)
- Class D (unplanned interruptions by Transpower)
- Class E (unplanned interruptions of EDB owned generation)
- Class F (unplanned interruptions of generation owned by others)
- Class G (unplanned interruptions caused by another disclosing entity)
- Class H (planned interruptions caused by another disclosing entity)
- Class I (interruptions caused by parties not included above)

Number of Interruptions	
Class A	-
Class B	476
Class C	559
Class D	-
Class E	-
Class F	-
Class G	-
Class H	-
Class I	-
Total	1,035

Interruption restoration

- Class C interruptions restored within

≤3Hrs	>3hrs
352	207

SAIFI and SAIDI by class

- Class A (planned interruptions by Transpower)
- Class B (planned interruptions on the network)
- Class C (unplanned interruptions on the network)
- Class D (unplanned interruptions by Transpower)
- Class E (unplanned interruptions of EDB owned generation)
- Class F (unplanned interruptions of generation owned by others)
- Class G (unplanned interruptions caused by another disclosing entity)
- Class H (planned interruptions caused by another disclosing entity)
- Class I (interruptions caused by parties not included above)

SAIFI	SAIDI
Class A	-
Class B	32.4
Class C	69.7
Class D	-
Class E	-
Class F	-
Class G	-
Class H	-
Class I	-
Total	102.1

Normalised SAIFI and SAIDI

- Classes B & C (interruptions on the network)

Normalised SAIFI	Normalised SAIDI
1.5	102.1

Quality path normalised reliability limit

- SAIFI and SAIDI limits applicable to disclosure year*
- * not applicable to exempt EDBs

SAIFI reliability limit	SAIDI reliability limit

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
Lightning	3.4
Vegetation	5.7
Adverse weather	14.4
Adverse environment	-
Third party interference	20.9
Wildlife	4.2
Human error	-
Defective equipment	17.1
Cause unknown	4.0

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
Subtransmission lines	-
Subtransmission cables	-
Subtransmission other	-
Distribution lines (excluding LV)	18.1
Distribution cables (excluding LV)	-
Distribution other (excluding LV)	14.3

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
Subtransmission lines	4.0
Subtransmission cables	-
Subtransmission other	-
Distribution lines (excluding LV)	47.3
Distribution cables (excluding LV)	5.3
Distribution other (excluding LV)	13.0

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)	Fault rate (faults per 100km)
Subtransmission lines	191	4.71
Subtransmission cables	249	-
Subtransmission other	-	-
Distribution lines (excluding LV)	257	13.29
Distribution cables (excluding LV)	23	3.39
Distribution other (excluding LV)	270	-
Total	559	

Company Name WEL Networks Limited
For Year Ended 31 March 2017

Schedule 14 Mandatory Explanatory Notes

(In this Schedule, clause references are to the Electricity Distribution Information Disclosure Determination 2012)

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 2.5.2.
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 12 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 clause 2.7.1(2).

Box 1: Explanatory comment on return on investment

ROI for FY17 is 6.84% compared to a comparable post tax WACC of 4.77%.

This is largely due to the higher CPI increase this year which has significantly increased our revaluation of assets.

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 regulatory line income' other than gains and losses on asset sales, as disclosed in 3(i) of Schedule 3
 - 5.2 information on reclassified items in accordance with clause 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 clause 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 clause 2.7.1(2).

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

No items have been reclassified.

The value of the Asset Base in Schedule 4 for the 2016 FY was \$508.0M and for the 2017 FY is now \$529.7M, a positive movement of \$21.7M.

The value of assets commissioned but not included in the RAB is \$25M

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

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

8. In the box below, provide descriptions and workings of the following items, as recorded in the asterisked categories in 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 \$17K

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 items recorded in the asterisked category 'Tax effect of other temporary differences' in 5a(vi) of Schedule 5a.

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

There are no temporary differences to report.

Related party transactions: disclosure of related party transactions (Schedule 5b)

10. In the box below, provide descriptions of related party transactions beyond those disclosed on schedule 5b including identification and descriptions as to the nature of directly attributable costs disclosed under clause 2.3.6(1)(b).

Box 7: Related party transactions

WEL Networks Limited set up a company in 2017 named WEL Services Limited (WSL). WSL provides electrical lines contracting services to both WEL Networks and externally. This company performs the majority of work on WEL Networks' distribution infrastructure lines maintenance and capital programmes. The company's revenue predominately (96%) relates to services provided to WEL's network, this variance is offset with the variance in costs which also relate to WSL. WSL is a related party as seen in schedule 5b. WEL Networks is charged on a fully costed basis for labour, materials usage, plant/equipment usage and project management costs.

Cost allocation (Schedule 5d)

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

Box 8: Cost allocation

No items were reclassified.

Business Support has costs classified as not directly attributable, as under the Input Methodologies (IM) determination and allocated using ACAM.

Asset allocation (Schedule 5e)

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

Box 9: Commentary on asset allocation

Not directly attributable values relate to poles that have fibre placed on them and the fibre is owned by the local fibre company. The asset values are not detailed enough for an exact calculation so the figures provided are estimated. Where capital contributions have been received for replacement of poles relating to fibre then those poles are not included in the not directly attributable value as the contribution is netted of the capital cost.

Capital Expenditure for the Disclosure Year (Schedule 6a)

13. In the box below, comment on capital expenditure for the disclosure year, as disclosed in Schedule 6a. This comment must include-
- 13.1 a description of the materiality threshold applied to identify material projects and programmes described in Schedule 6a;
 - 13.2 information on reclassified items in accordance with clause 2.7.1(2),

Box 10: Explanation of capital expenditure for the disclosure year

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

No items were reclassified.

Operational Expenditure for the Disclosure Year (Schedule 6b)

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

- 14.1 commentary on assets replaced or renewed with asset replacement and renewal operating expenditure, as reported in 6b(i) of Schedule 6b;
- 14.2 information on reclassified items in accordance with clause 2.7.1(2);
- 14.3 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 11: 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)

15. 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 clause 2.7.1(2).

Box 12: Explanatory comment on variance in actual to forecast expenditure

Expenditure on assets – Higher actual over forecast system growth expenditure was a result of the significant growth in the region. Spend on reliability, safety and environment assets was underspent due to the utilisation of new technologies such as smart meters. Overall the total spends were comparative.

Non network expenditure decreased as a result of delaying some major projects and vehicle procurement.

Operational Expenditure – routine maintenance and asset renewals lower than forecast as the focus was mainly driven by the high customer driven work during the period. Network opex increase relates to the move from internal to external contracting as the contracting division was separated from the EDB in the current year.

Increased variances in OPEX are due to forecasts not incorporating WEL Services as an external party (was internal in prior periods). WEL Services is a related party as seen in schedule 5b.

Information relating to revenue and quantities for the disclosure year

16. In the box below provide-

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

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

Box 13: Explanatory comment relating to revenue for the disclosure year

The variance between target revenue and total billed revenue for the year is 2%.

16.1 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 and a growth in residential ICPs.

16.2 The difference between total billed revenue and target revenue is 2%. The primary contributing factor to this result are the higher kilowatt hour volumes experienced.

Network Reliability for the Disclosure Year (Schedule 10)

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

Box 14: Commentary on network reliability for the disclosure year

Increase in CLASS B interruption count and SAIDI is due to increase in 16mm Cu reconductoring job planned for the FY

Insurance cover

18. In the box below provide details of any insurance cover for the assets used to provide electricity distribution services, including-
- 18.1 the EDB's approaches and practices in regard to the insurance of assets used to provide electricity distribution services, including the level of insurance;
 - 18.2 in respect of any self insurance, the level of reserves, details of how reserves are managed and invested, and details of any reinsurance.

Box 15: Explanation of insurance cover

18.1: 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.

18.2: 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.

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)

1. This Schedule provides for EDBs to provide explanatory notes to reports prepared in accordance with clause 2.6.5.
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 disclosure year, 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 disclosure year, as disclosed in Schedule 11b.

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



Company Name WEL Networks Limited

For Year Ended _____

Schedule 15 Voluntary Explanatory Notes

(In this Schedule, clause references are to the Electricity Distribution Information Disclosure Determination 2012)

1. This Schedule enable 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, 2.5.2, and 2.6.5;
 - 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

Changes in Zone substation transformer capacity in Sch9e(iii) Transformer Capacity.

Included transformer capacity of:

1. Hoeka transformer (1x 25.9MVA) – Commissioned in 2016.
2. HAM 11kV GXP transformers (2x 44MVA) – Transpower owned.
Supplies southeast area of Hamilton
3. Pukete transformers – Three winding transformer (33/11/11kV). Contact Energy owned.
 - 3.1 The first 11kV (2x 30MVA) connects the Contact Owned Te Rapa generator and Fonterra, WEL supplies Fonterra when generator is out of service (added in this disclosure).
 - 3.2 The second 11kV (2x 12.6MVA) winding supplies WEL Pukete area (included in previous disclosures).