

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

Company Name
Disclosure Date
Disclosure Year (year ended)

WEL Networks
31 August 2016
31 March 2016

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

Company Name **WEL Networks** 31 March 2016 For Year Ended **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. 1(i): Expenditure metrics Expenditure per Expanditure par MVA Expenditure per Expenditure per of capacity from EDB-MW maximum GWh energy average no. of olncident system Expenditure per owned distribution delivered to ICPs ICPs demand km circuit length transformers (\$/GWh) (\$/ICP) (\$/km) (\$/MVA) (\$/MW) Operational expenditure 17,398 243 82,073 3,993 24,382 10 Network 5,378 75 25,368 1,234 7,536 11 Non-network 12,021 168 56,705 2,759 16,846 12 31,862 150,304 7,312 13 Expenditure on assets 445 44,651 14 Network 29,145 407 137,488 6,688 40,844 Non-network 3,807 12,816 16 1(ii): Revenue metrics 17 Revenue per GWh Revenue per energy delivered average no. of to ICPs ICPs (\$/GWh) (\$/ICP) 18 Total consumer line charge revenue 19 81,204 1,134 20 Standard consumer line charge revenue 81,956 1,115 21 Non-standard consumer line charge revenue 53,126 242,519 1(iii): Service intensity measures 23 24 25 Demand density Maximum coincident system demand per km of circuit length (for supply) (kW/km) 26 Volume density Total energy delivered to ICPs per km of circuit length (for supply) (MWh/km) 27 Connection point density Average number of ICPs per km of circuit length (for supply) (ICPs/km) 16 **Energy intensity** 13,968 Total energy delivered to ICPs per average number of ICPs (kWh/ICP) 28 29 1(iv): Composition of regulatory income 30 31 (\$000) % of revenue 32 Operational expenditure 20.89% 21,314 33 Pass-through and recoverable costs excluding financial incentives and wash-ups 29,331 28.75% 34 Total depreciation 20.388 19.98% 35 Total revaluations 2,845 2.79% 36 Regulatory tax allowance 9,016 8.84% Regulatory profit/(loss) including financial incentives and wash-ups 37 24,814 24.32% 102,017 38 Total regulatory income 39 1(v): Reliability 40 16.77 Interruptions per 100 circuit km Interruption rate



Company Name WEL Networks
For Year Ended 31 March 2016

#### **HEDULE 2: REPORT ON RETURN ON INVESTMENT**

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 late 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 to be provided in 2(iii).

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

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): Return on Investment  ROI – comparable to a post tax WACC	CY-2 31 Mar 14 %	CY-1 31 Mar 15	Current Year C 31 Mar 16 %
Reflecting all revenue earned	6,10%	4.49%	4,63
Excluding revenue earned from financial incentives  Excluding revenue earned from financial incentives and wash-ups	6.10%	4.49%	4.63
excluding revenue earned from financial incentives and wash-ups	6.10%	4.49%	4.63
Mid-point estimate of post tax WACC	5,43%	6,10%	5.37
25th percentile estimate	4.71%	5,39%	4.66
75th percentile estimate	6.14%	6.82%	6.09
ROI – comparable to a vanilla WACC			
Reflecting all revenue earned	6.79%	5.27%	5.28
Excluding revenue earned from financial incentives	6,79%	5.27%	5.28
Excluding revenue earned from financial incentives and wash-ups	6,79%	5,27%	5.28
WACC rate used to set regulatory price path		90	
hald paint anti-mate of travilla MASC	C 440/	C 0004	
Mid-point estimate of vanilla WACC	6.11% 5.39%	6,89%	6.03
25th percentile estimate 75th percentile estimate	6,83%	6.17% 7.60%	5,30
(ii): Information Supporting the ROI		(\$000)	
Total opening RAB value	486,846		
plus Opening deferred tax	(22,038)		
pening RIV		464,808	
ne charge revenue		99,479	
Expenses cash outflow	50,645		
-22			
add Assets commissioned	38,981		
less Asset disposals	38,981 268		
less Asset disposals	268		
less Asset disposals add Tax payments	268 4,251	91,071	ı
less Asset disposals add Tax payments less Other regulated income	268 4,251	91,071	
less Asset disposals add Tax payments less Other regulated income id-year net cash outflows rm credit spread differential allowance	268 4,251 2,538	91,071	 
less Asset disposals add Tax payments less Other regulated income id-year net cash outflows	268 4,251 2,538 508,016	91,071	
less Asset disposals add Tax payments less Other regulated income id-year net cash outflows  rm credit spread differential allowance  Total closing RAB value less Adjustment resulting from asset allocation	268 4,251 2,538	91,071	
less Asset disposals add Tax payments less Other regulated income id-year net cash outflows  rm credit spread differential allowance  Total closing RAB value less Adjustment resulting from asset allocation	268 4,251 2,538 508,016	91,071	
less Asset disposals add Tax payments less Other regulated income id-year net cash outflows  rm credit spread differential allowance  Total closing RAB value less Adjustment resulting from asset allocation less Lost and found assets adjustment	268 4,251 2,538 508,016 (0)	91,071	
less Asset disposals add Tax payments less Other regulated income id-year net cash outflows  rm credit spread differential allowance  Total closing RAB value less Adjustment resulting from asset allocation less Lost and found assets adjustment plus Closing deferred tax	268 4,251 2,538 508,016 (0)	-	5.2
less Asset disposals add Tax payments less Other regulated income id-year net cash outflows  rm credit spread differential allowance  Total closing RAB value less Adjustment resulting from asset allocation less Lost and found assets adjustment plus Closing deferred tax  psing RIV	268 4,251 2,538 508,016 (0)	-	
less Asset disposals add Tax payments less Other regulated income id-year net cash outflows  rm credit spread differential allowance  Total closing RAB value less Adjustment resulting from asset allocation less Lost and found assets adjustment plus Closing deferred tax  psing RIV  ROI – comparable to a vanilla WACC	268 4,251 2,538 508,016 (0)	-	4
less Asset disposals add Tax payments less Other regulated income id-year net cash outflows  rm credit spread differential allowance  Total closing RAB value less Adjustment resulting from asset allocation less Lost and found assets adjustment plus Closing deferred tax  sosing RIV  ROI – comparable to a vanilla WACC Leverage (%)	268 4,251 2,538 508,016 (0)	-	5.2 4 5,2 2

**WEL Networks** Company Name For Year Ended 31 March 2016

#### **SCHEDULE 3: REPORT ON REGULATORY PROFIT**

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

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

h ref		
7	3(I): Regulatory Profit	(\$000)
8	Income	
9	Line charge revenue	99,479
10	plus Gains / (losses) on asset disposals	(218)
11	plus Other regulated income (other than gains / (losses) on asset disposals)	2,757
12	pro- other regarded meaning (some means) (means) on asset disposals)	
13	Total regulatory income	102,017
14	Expenses	
15	less Operational expenditure	21,314
	ress Operational experiorum	21,514
16 17	less Pass-through and recoverable costs excluding financial incentives and wash-ups	29,331
18	ress-though and recoverable costs excluding imancial modifices and wash-ups	25,551
19	Operating surplus / (deficit)	51,373
20		
21	less Total depreciation	20,388
22		-
23	plus Total revaluations	2,845
24		
25	Regulatory profit / (loss) before tax	33,830
26		1
27	less Term credit spread differential allowance	-
28		-
29	less Regulatory tax allowance	9,016
30		
31	Regulatory profit/(loss) including financial incentives and wash-ups	24,814
32		
33	3(ii): Pass-through and Recoverable Costs excluding Financial Incentives and Wash-Ups	(\$000)
34	Pass through costs	
35	Rates	383
36	Commerce Act levies	80
37	Industry levies	266
38	CPP specified pass through costs	569
39	Recoverable costs excluding financial incentives and wash-ups	
10	Electricity lines service charge payable to Transpower	23,689
11	Transpower new Investment contract charges	2,492
12	System operator services	
13	Distributed generation allowance	1.852
14	Extended reserves allowance	
45	Other recoverable costs excluding financial incentives and wash-ups	-
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Company Name **WEL Networks** For Year Ended 31 March 2016 **SCHEDULE 3: REPORT ON REGULATORY PROFIT** This schedule requires information on the calculation of regulatory profit for the EDB for the disclosure year. All EDBs must complete all sections and provide explanatory comment on their regulatory profit in Schedule 14 (Mandatory Explanatory Notes). This information is part of audited disclosure information (as defined in section 1.4 of the ID determination), and so is subject to the assurance report required by section 2.8. 3(iii): Incremental Rolling Incentive Scheme (\$000) 48 49 CY-1 CY 50 31 Mar 15 31 Mar 16 51 Allowed controllable opex 52 Actual controllable opex 53 54 Incremental change in year 55 Previous years' Previous years' incremental change adjusted 56 change for inflation 57 31 Mar 11 CY-5 58 CY-4 31 Mar 12 59 CY-3 31 Mar 13 60 CY-2 31 Mar 14 61 CY-1 31 Mar 15 62 Net incremental rolling incentive scheme 63 64 Net recoverable costs allowed under incremental rolling incentive scheme 3(iv): Merger and Acquisition Expenditure 65 70 66 Merger and acquisition expenditure 67 Provide commentary on the benefits of merger and acquisition expenditure to the electricity distribution business, including required disclosures in accordance with 68 section 2.7, in Schedule 14 (Mandatory Explanatory Notes) 69 3(v): Other Disclosures 70 (\$000) 71 Self-insurance allowance



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SCHEDULE 4: REPORT ON VALUE OF THE REGULATORY ASSET BASE (ROLLED FORWARD)  This schedule requires information on the calculation of the Regulatory Asset Base (RAB) value to the end of this disclosure year. This informs the ROI calculation in Schedule 2.	ROLLED FORWARD)		Toanu tuan ro	n	St Maicil 2010	
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.	obscioou e year. This informs the roll calculation in schedules). This information is part of audited disclosure information	2. (as defined in sectio	n 1.4 of the ID deter	mination), and so is	subject to the assura	nce report
sep ref						
4(i): Regulatory Asset Base Value (Rolled Forward)		RAB	RAB	FAB	RAB	RAB
89. D	for year ended	31 Mar 12 (5000)	31 Mar 13	31 Mar 14	31 Mar 15	31 Mar 16
10 Total opening RAB value		400,162	422,169	459,970	475,614	486,846
12 /exs Total depreciation		14,603	15,874	19,644	19,241	20,388
13 plus Total revaluations		6279	3,611	6963	398	2,845
16 plus Assets commissioned 17		30,527	51,554	32,341	30,676	38,981
18 less Asset disposals	0	195	1,490	4,052	901	268
20 plus Lost and found assets adjustment			1	7	1	0
					-	
22 pius Adjustment resulting from asset allocation 23		•	-	8	(0)	(0)
24 Total dosing RAB value		422,169	459,970	475,614	486,846	506,016
26 4(ii): Unallocated Regulatory Asset Base						
27 28			Unaffocated RAB = (\$000)	(\$00e)	(\$000)	(2000)
				486,846		486,846
30 ress Total depreciation				20,388	Ш	20,388
snjd				2000	L	are x
50 of a single revolutions			Ţ	[cha7]	]	2,013
			38,981	Ц	38,981	
Assets acquired from a related party Assets commissioned		_		38,981	H	38,981
less		L		L		
			268		368	
42 Asset disposals to a regulated supplier 42 Asset disposals to a related party						
¥				268		268
			_		_	
45 pius Lost and round assets adjustiment 46			J		1	
47 plus Adjustment resulting from asset allocation						(0)
Total decine BAR cabia				508 017	L	508.016



S4,RAB Value (Rolled Forward)



54.RAB Value (Rolled Forward)

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**WEL Networks** Company Name 31 March 2016 For Year Ended 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 sch ret 5a(i): Regulatory Tax Allowance 8 Regulatory profit / (loss) before tax 33,830 9 10 Income not included in regulatory profit / (loss) before tax but taxable 2,764 11 Expenditure or loss in regulatory profit / (loss) before tax but not deductible 12 Amortisation of initial differences in asset values 7,095 13 Amortisation of revaluations 1,833 14 11,699 15 16 less Total revaluations 2,845 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 10,485 21 13,330 22 23 Regulatory taxable income 32,199 24 25 26 Regulatory net taxable income 32,199 27 28 Corporate tax rate (%) 28% 29 Regulatory tax allowance 9,016 30 \* Workings to be provided in Schedule 14 31 5a(ii): Disclosure of Permanent Differences 32 33 In Schedule 14, Box 5, provide descriptions and workings of items recorded in the asterisked categories in Schedule 5a(I). 5a(iii): Amortisation of Initial Difference in Asset Values 34 (\$000) 35 36 Opening unamortised initial differences in asset values 127,714 37 less Amortisation of initial differences in asset values 7,095 38 plus Adjustment for unamortised initial differences in assets acquired 39 Adjustment for unamortised inItlal differences in assets disposed less 40 Closing unamortised initial differences in asset values 120,619 41 42 Opening weighted average remaining useful life of relevant assets (years)



**WEL Networks** Company Name 31 March 2016 For Year Ended 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 5a(lv): Amortisation of Revaluations (\$000) 45 Opening sum of RAB values without revaluations 46 459,273 47 48 Adjusted depreciation 18,555 49 Total depreciation 20,388 Amortisation of revaluations 50 1,833 51 52 5a(v): Reconciliation of Tax Losses (\$000) 53 54 Opening tax losses 55 plus Current period tax losses 56 Utilised tax losses less 57 Closing tax losses 5a(vi): Calculation of Deferred Tax Balance 58 (\$000) 59 50 Opening deferred tax (22,038) 61 62 plus Tax effect of adjusted depreciation 5,195 63 64 Tax effect of tax depreciation less 7.969 65 66 Tax effect of other temporary differences\* plus 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 Deferred tax balance relating to assets disposed in the disclosure year less 73 74 Deferred tax cost allocation adjustment plus 75 76 Closing deferred tax (26,803) 77 5a(vii): Disclosure of Temporary Differences 78 In Schedule 14, Box 6, provide descriptions and workings of items recorded in the asterisked category in Schedule 5a(vi) (Tox effect of other temporary 79 differences). 80 81 5a(viii): Regulatory Tax Asset Base Roll-Forward 82 (\$000) 83 Opening sum of regulatory tax asset values 250,657 84 less Tax depreciation 28,459 85 Regulatory tax asset value of assets commissioned plus 38,031 86 Regulatory tax asset value of asset disposals less 967 87 plus Lost and found assets adjustment 88 Adjustment resulting from asset allocation plus 89 Other adjustments to the RAB tax value plus 90 Closing sum of regulatory tax asset values 259,262





S5c.TCSD Allowance

FOUNDE SEG. REPORT ON COST ALLOCATIONS  Therefore product in contraction on the allocation in claimation on the allocation on the allocati	CHEDULE 5d: REPORT ON COST ALLOCATIONS schedule provides information on the allocation of operational costs. EDBs must provide explanatory con s information is part of audited disclosure information (as defined in section 1.4 of the ID determination), a	For Year Entiment on their cost allocation in Schedule 14 (Mandatory Explanator, and so is subject to the assurance report required by section 2.8.	red (including on the	31 March 2016 ie impact of any reci	assifications.
Activate provide interruptions and emergencies Service interruptions and emergencies Concept activated evolution or source report required by section 2.3.  Service interruptions and emergencies Concept activated evolution or source manual concept activate an activate or section of section or source report required by section 2.3.  Service interruptions and emergencies Concept, services C	CHEDULE 5d: REPORT ON COST ALLOCATIONS schedule provides information on the allocation of operational costs. EDBs must provide explanatory con s information is part of audited disclosure information (as defined in section 1.4 of the ID determination), a	omment on their cost allocation in Schedule 14 (Mandatory Explanator, and so is subject to the assurance report required by section 2.8.	ry Notes), including on th	ie impact of any redi	assifications.
Service interruptions and emergencies  Not directly architecturable	S schedule provides information on the allocation of operational costs. EDBs must provide explanatory con is information is part of audited disclosure information (as defined in section 1.4 of the ID determination), a	omment on their cost allocation in Schedule 14 (Mandatory Explanator, and so is subject to the assurance report required by section 2.8.	ry Notes), including on th	e impact of any redi	assifications.
Set/li- Operating Cost Allocations  Service interruptions and emergencies Directly arithcuse Not directly arithcus					
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Routine and corrective maintenance and inspection  Directly attributable  Not directly attributable  Total attributable to regulated service  System operations and network support  Oreal attributable to regulated service  System operations and network support  Oreal attributable to regulated service  System operations and network support  Oreal attributable to regulated service  Business support  Oreically attributable  Not directly attributable  Not directly attributable  Not directly attributable  Operating costs officetly attributable  Not directly attributable  Operating costs officetly attributable  Operating costs officetly attributable  Operating costs officetly attributable  Operating costs officetly attributable  Operational expenditure  Operational expenditure		1,	508		
Operating costs of irectly attributable  Not directly attributable to regulated service  Asset replacement and renewal  Olocctly attributable to regulated service  System operations and network support  Orectly attributable  Not directly attributable  Not directly attributable  Not directly attributable  Total attributable to regulated service  System operations and network support  Orectly attributable  Not directly attributable  Total attributable to regulated service  Business support  Operating costs of irrectly attributable  Operating costs of directly attributable  Operational expenditure					
Asset replacement and renewal foral attributable to regulated service  Asset replacement and renewal foreit attributable Not directly attributable Total attributable Not directly attributable Not directly attributable Total attributable to regulated service  Business support Oirectly attributable Total attributable to regulated service  Business support Operating costs directly attributable Not directly attributable Total attributable to regulated service Operating costs of directly attributable Operating costs of directly attributable Operating costs or directly attributable Operational expenditure  Operational expenditure  Operations  Operation		7	143		
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Not directly attributable to regulated service  System operations and network support  Directly attributable  Not directly attributable  Operating costs directly attributable  Operating costs of originated service  Operating costs or directly attributable  Operating costs or directly attributable  Operational expenditure  Operational expenditure		1,3	865		
System operations and network support  System operations and network support  Directly attributable  Total attributable to regulated service  Business support  Directly attributable  Total attributable  Not directly attributable  Not directly attributable  Operating costs directly attributable  Operating costs directly attributable  Operating costs of directly attributable  Operating costs of directly attributable  Operations despenditure				1	
System operations and network support  Directly attributable  Total attributable to regulated service  Business support  Directly attributable  Not directly attributable  Total attributable to regulated service  Operating costs of directly attributable  Operations despenditure  20,110		112	283		
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Not directly attributable to regulated service 9,712 1,203   1					
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Operating costs directly attributable Operating costs not directly attributable Operational expenditure			Ī		
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Operational expenditure		2,6		10,915	1
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FOOR TOW COST ALLOCATIONS  Transition in the ablaction of generation content and content a	The MEDULE Bell REPORT ON COST ALLOCATIONS The scholar product includes on the fluctation of the fluctation on the fluctacion of the fluctacion on the fluctacion of the fluct	REPORT ON COST ALLOCATIONS  formation on the about the designation of generalization and the about the abo	report on the allocation in Schedule 14 (Man if a sufficed disclosure information of operational costs. EDBs must provide explanatory comment on their cost allocation in Schedule 14 (Man if a studied disclosure information and so is subject to the assurance report required be recoverable costs.  Frough and recoverable costs  rough and recoverable costs  rough and recoverable costs  rough and recoverable costs  recity attributable  cidently attributable  richesty attributable  richesty attributable  richest attributable  richesty attributable  ri	For Year Ended 31 March 2016  Story Explanatory Notes), including on the impact of any reclassifications.  1,298  28,033  CY-1 Current Year (CY)  Original allocation  New allocation
Transition of the abstract of the Cost allocation is account to their outs abstract on the School of Mandatory Indiana. Some of the contraction of the abstract on the Address of the Cost allocations information (as defined in section 1.1 of the in determination), and so is subject to the sacurance report required by section 2.3.  Cost Allocations  Opplicated by section 2.3.  Subject of Mandatory Cost allocations  And Allocations  Opplications and Andrew  Opplications and Andrew  Opplications and Andrew  In cost allocations  In c	PERONET VOIC COST ALL CASE IN THE PERONET VOIC CASE IN THE PERONE	PROPERTY OF CASE ALLOCATIONS.  Translated disclosure information (in defined in section 1.1 of the III decrementation), and as is allogic to the assurance report required by section 2.8.  Cost Allocations  Cost	IEPORT ON COST ALLOCATIONS formation on the allocation of operational costs. EDBs must provide explanatory comment on their cost allocation in Schedule 14 (Man formation on the allocation of operational costs. EDBs must provide explanatory comment on their cost allocations  Cost Allocations  ough and recoverable costs  ough and recovera	section 2.8.  1.298  28.033  CV-1  Courset Year (CY)  CN-1  Courset Year (CY)
1,288   1,28	1,286   1,28	1,1,288	r Cost Allocations rough and recoverable costs rough and recoverable costs rough and recoverable costs cidy attributable attributable to regulated service stributable to regulated service attributable to regulated service stributable to require the service stributable to require the service s	Ct-1
1,236    1,236    1,236    28,033    28,033    28,033    28,033    28,033    28,033    28,033    28,033    28,033    28,033    28,033    28,033    28,033    28,033    28,033    28,033    38,033	(\$000)    1,286	1,298	re Cost Allocations rough and recoverable costs rough costs coty atributable stributable to regulated service attributable to stributable cotty attributable stributable to regulated service attributable to regulated service stributable to regulated service	CY-1 (\$00
1,288   1,28	1,288     1,28	1,288   1,28	rough and recoverable costs  rough costs  cdy atributable  strabutable to regulated service  attributable to regulated service  cdy atributable  cdy atributable  refly atributable  strable costs  refly atributable  for cost allocations* t  in cost allocations t  in cost allocation 1  sinal allocator or line items	(\$00
1,288  28,033  28,033  (\$500  CR-1  CR-1  (\$500  CR-1  CR-1  (\$500  CR-1  (\$500  CR-1  CR-1  CR-1  (\$500  CR-1  CR	Sa 033  Sa 033  Sa 033  Sa 033  Sa 033  Sa 033  Critical allocation  New allocation  New allocation  Original allocation  New allocation  Original allocation  Cr.4  (\$500	1,288   1,28	ccty attributable cidrectly attributable directly attributable stributable costs crable costs directly attributable directly attributable stributable to regulated service	Cr.1 (\$00
1.298	1.298	1.298	ccty attributable idirectly attributable strible costs rrable costs directly attributable directly attributable directly attributable for expulated service stributable to regulated service	Cr.1 (\$00
1,238   28,033   28	1,238   28,033   28	1,238   28,033   28	directly attributable trable costs rable costs civil attributable directly attributable directly attributable tributable to regulated service intributable to regulated service tributable to regulated service stributable to regulated service forcet allocations* t sin cost allocation 1.	(\$000
1,236	1,236	1,236   28,033   28	thributable to regulated service rable costs city artibutable directly attributable directly attributable to regulated service thributable to regulated service in cost allocations * t in cost allocation 1 category sinal allocator or line items	(\$00
(\$500 Criginal allocation Difference Cr.1 Cr.1 Cr.1 Cr.1 Cr.1 Cr.1 Cr.1 Cr.1	(\$00 Criginal allocation Difference Crt.1	(\$500 Criginal allocation Difference Cr-3 Cr-3 Criginal allocation Difference Cr-3 Criginal allocation Difference Cr-3 Criginal allocation Difference Cr-3 Criginal allocation Difference Cr-3 Criginal allocation Officence Cr-3 Criginal allocation Cr-3 Cr-3 Criginal allocation Difference Cr-3 Criginal allocation Difference Cr-3 Criginal allocation Difference Cr-3 Criginal allocation Cr-3 Cr-3 Criginal allocation Difference Cr-3 Cr-3 Criginal allocation Difference Cr-3 Cr-3 Criginal allocation Difference Cr-3 Cr-3 Cr-3 Criginal allocation Difference Cr-3 Cr-3 Cr-3 Criginal allocation Difference Cr-3 Cr-3 Cr-3 Criginal allocation Difference Cr-3 Cr-3 Cr-3 Cr-3 Cr-3 Cr-3 Cr-3 Cr-3	rable costs cty attributable directly attributable tributable to regulated service ges in Cost Allocations* † in cost allocation 1 cost allocation 1	(\$00
(\$00)  CY-1	S8,033  Crt 1  C	(\$00)  Critical allocation  Difference  Cr44  Cr47  Cr47  Cr44  Cr47  Cr	attributable silvectly arributable turbutable to regulated service ges in Cost Allocations* † in cost allocation 1 category nal allocator or line items	(\$00)
(\$00)  Original allocation  New allocation  Original allocation  New allocation  Original allocation  New allocation  Original allocation	(\$00)  Original allocation  Original allocation  New allocation  Original allocation  Difference  CY-1  (\$00)  CY-1  (\$00)	(\$00)  Original allocation  Difference  New allocation  New allocation  Original allocation	directly attributable turbutable to regulated service ges in Cost Allocations* † in cost allocation 1 category nal allocator or line items	(\$000
(\$00)  Original allocation  New allocation  Difference  Original allocation  Difference  Original allocation  Orig	Original allocation New allocation New allocation New allocation Difference  CY-1  Stop  CY-1  CY-1  Stop  CY-1  Stop  CY-1  Stop  CY-1  CY-1  CY-1  CY-1  CY-1  Stop  CY-1  C	Cr.1  Original allocation  New allocation  Original allocation  New allocation  Original allocation	ges in Cost Allocations* † in cost allocation 1 category nal allocator or line items	(\$00
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Original allocation New allocation Difference Cr.1 (\$000 Cr.1	Original allocation New allocation Difference Original allocation New allocation New allocation Original a	Original allocation  New allocation  Original allocation  New allocation  Original allocation	in cost allocation 1 zategory nal allocator or line items	CY-1
tems  Toriginal allocation  Toriginal alloca	tems  Cr.1  (\$40  Original allocation Pifference Cr.1  Etms  Str.  Original allocation Cr.1  (\$400  Cr.1	tems  Toriginal allocation  New allocation  Original allocation  CY-1  (\$000  CY-1  CY-	in cost allocation 1 category inal allocator or line items	0.1
tems  CY-1  (\$500  CY-1	tems  CY-1  (Stop  CY-1	tems  Conginal allocation  New allocation  Conginal allocation  Difference  Conginal allocation  New allocation  Conginal allocation  C	category nal allocator or line items	
tems  New allocation  CC-4  (\$000  Institute thems  CC-4  CC-4  CC-4  CC-4  CC-4  CC-4  CC-4  CC-4  CC-6  CC-6  CC-7  CC	tems rs  Rews allocation rems rs  CY-4  CY-4  CY-4  CY-4  CY-4  CY-4  CY-4  CY-4  CY-4  CY-1  CY	tems  New allocation  CC-1  State  CC-1  CC-1  State  CC-1	nal allocator or line items	New allocation
tems  CC-1  CC-1  Signature  CC-1  C	tems  Cr4.	tems  CY-1  CY-1  CY-1  Stone  CY-1  CY-1  Stone  CY-1  CY-1  Stone  CY-1  CY-1  Stone  CY-1		
tems  CY-1  Original allocation  Difference  CY-1  State	thems  CY-1  Original allocation  Difference  CY-1  CY-1  State  CY-1  CY-1  CY-1  CY-1  State  CY-1  State  CY-1	tems  CY-1  Original allocation  New allocation  Difference  CY-1  Stop  CY-1  CY-1  Stop  CY-1	allocator or line items	Difference
tems  Cr-1  Original allocation  New allocation  Difference  Cr-1  Store  Cr-1  Critical allocation  New allocation  Original allocation  Original allocation  Store  Original allocation  Original allocation  Original allocation  New allocation  Original allocat	tems  Original allocation  New allocation  Difference  CY-1  State  CY-1  CY-1  CY-1  CY-1  CY-1  State  CY-1  CY-	tems  Cr.1  Original allocation New allocation Difference Cr.1  Covietinal allocation Cr.1  Covietinal allocation Cr.1  Covietinal allocation New allocation Original allocation Cr.1  Covietinal allocation Original allocation Cr.1  Covietinal allocation Cr.1		
teems Original allocation New allocation New allocation Original allocation CC+1 (\$00	CY-1  Original allocation  New allocation  Difference  CY-1  (\$00  CY-1  Original allocation  New allocation  Difference  CY-1	(\$00 Criginal allocation New allocation New allocation Difference Difference CC41  CC41  CG41  (\$00 Criginal allocation CC41  CG41  CG41  CG41  CG41  CG41  CG41  CG41  CG41	nale for change	
tems  Cr.1  Original allocation New allocation Cr.1	tems  Original allocation  New allocation  Difference  CC-1  Stool  CC-1  CC	tems  Original allocation  New allocation  Difference  CY-1  (\$500		
tems  CY-1  Original allocation New allocation CY-1  C	tems  CY-1  Original allocation New allocation Difference  CY-1  CY-1  CY-1  Stone	tems  CY-1  Original allocation New allocation Original allocation CY-1		(densit
tems  Original allocation  New allocation  CY-1	tems  Original allocation  New allocation  CY-1	tems  Original allocation  New allocation  Original allocation  CY-1  CY-1  Sts  Original allocation  Original all		one
the cems	ts CY-1  Contigual allocation  New allocation  CY-1  C	Is a location New allocation Difference Cr41  Conginal allocation Cr41  Conginal allocation New allocation New allocation New allocation Officence Cr41  Conginal allocation C	In Cost allocation 2	1
Statement Difference Cry1  Configural allocation New allocation New allocation Offference Difference Cry1	State of the state	Same   Critical allocation   Critical allo	category	New allocation
(\$00 Criginal allocation New allocation Officence Officence Officence	(\$00 Original allocation New allocation Difference Officerence	(\$00 CY-1 CY-1 CY-1 CY-1 CY-1 CY-1 CY-1 CY-1	allocator or line Items	Difference
(\$00 CY-1 Original allocation New allocation Difference  Difference	(\$00 Criginal allocation New allocation Offference Crit	Cotal Original allocation Cotal Original allocation Cotal Original allocation Cotal Original allocation Cotal Cota		
(\$500 CC+1  Original allocation New allocation Difference Difference —	(\$00) CF-1  Original allocation New allocation Offference  Difference	(\$500 CC-1.  Original allocation New allocation Offference Ofference	onale for change	
CY-1  Original allocation New allocation Difference  Difference	CY-1  Original allocation  New allocation  Difference  Difference	CC-1 CC-1 CC-1 CC-1 CC-1 CC-1 CC-1 CC-1		
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			in cost affocation 3	C/-1
			category	Original allocation
items	thems	items	inal allocator or line items	New allocation
nale for change	onale for change	onale for change	allocator or line items	Ortherence
nale for change	nale for change	nale for change		
			male for change	

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	Company Name WEL Networks For Year Ended 31 March 2016
IEDULE 5e: REPORT ON ASSET ALLOCATIONS the dule requires information on the allocation of asset values. This information supports the calc	culation of the RAB value in Schedule 4.
must provide explanatory comment on their cost allocation in Schedule 14 (Mandatory Explanator hation (as defined in section 1.4 of the ID determination), and so is subject to the assurance repo	ory Noies), including on the impact of any changes in asset allocations. This information is part of audited discloss nt required by section 2.8.
5e(i): Regulated Service Asset Values	
Safily, IvaBulaten Salatos Wasas Authan	
	Value allocated
	(\$0005) Electricity distribution
	services
Subtransmission lines	· · · · · · · · · · · · · · · · · · ·
Directly attributable Not directly attributable	21,472
Total attributable to regulated service	21,472
Subtransmission cables	
Directly attributable	\$6,709
Not directly attributable	
Total attributable to regulated service  Zone substations	56,709
Directly attributable	67,350
Not directly attributable	, V/4.5.M
Total attributable to regulated service	67,550
Distribution and LV lines	<u> </u>
Directly attributable Not directly attributable	93,262
Fotal attributable to regulated service	4.855 98,147
Distribution and LV cables	
Directly attributable	132,490
Not directly attributable	
Total attributable to regulated service	132,490
Distribution substations and transformers  Directly attributable	The second secon
Not directly attributable	57,450
Total attributable to regulated service	\$7,950
Distribution switchgear	
Directly attributable	21,995
Not directly attributable	
Total attributable to regulated service Other network assets	23,595
Directly attributable	17,104
Not directly attributable	17,104
Total attributable to regulated service	17,104
Non-network assets	
Oirectly attributable Not directly attributable	32,600
Total attributable to regulated service	12,600
Regulated service asset value directly attributable	503,132
Regulated service asset value not directly attributable Total closing RAB value	4,865
Total Closing IAM Value	500,016
5e(ii): Changes in Asset Allocations* †	
Change in asset value alfocation 1	(\$000)
Asset category	Original allocation C7-1 Current Year (C7)
Original allocator or loo items	New allocation
New allocator or line items	Difference
Rationale for change	
CONTRACTOR OF STATES.	
	(\$000)
Change in arrest value allocation 2 Asset category	CY-1 Current Year (CY)
Original allocator or line Items	Original allocation New allocation
New affector or The Items	Difference
Autionale for change	
	(\$000)
Change in asset value allocation 3	CY-1 Corrent Year (CY)
Asset category	Original allocation
Original allocator or line items	New allocation
	Difference
New allocator or line Items	
New allocator or line Items  Rationale for change	



31 March 2016 WEL Networks Company Name For Year Ended

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

Figure 2.1.(2) of the M Determination?   Vicing the cost is termination of the cost is terminated by the cost is termina	Fine cash bless with cash of segretary and partial control of segretary and segretar	sch ref	the state of the s										
	Precedible of the Mittermination?   Properties   Preceding of the Mittermination?   Properties   Preceding of the Mittermination?   Properties   Preceding of the Mittermination?   Preceding of the Mittermination?   Preceding of the Mittermination   Preceding of the Mittermina	~											
Allegation management   Sevice interruptions and emergencies   Allegation   Allegation   Allegation   Sevice   Allegation   Allegation   Sevice   Allegation   Allegation   Sevice   Allegation   Allegation   Sevice   Sevice   Allegation   Sevice   Allegation   Sevice	Africation   Afr	00 01	Have costs been allocated in aggregate using ACAM in accordance with clause 2,1.1.(3) of the IM Determination?	Yes									
Service interruptions and emergencies         Cost allocation interteurs         Allocation in	Service interruptions and emergencies         Allocation (pic)         Allocation (pic)         Allocation (pic)         Amin hingth adaithuition         Amin hingth adaith	10					Allocator	Metric (%)		Value alloc	(\$000)		
Insert cost description Insert	Insert cost description Not directly atributable Vegetation management Insert cost description Not directly atributable Routine and corrective maintenance and inspection Insert cost description Inse	=======================================		Allocation methodology type	Cost allocator	Allocator type	Electricity distribution services	Non-electricity distribution services	Arm's length deduction	Electricity distribution services	Non-electricity distribution services	Total	OVABAA allocation increase (\$000)
Insert cost description Not directly attributable Routine and corrective maintenance and inspection Insert cost description Not directly attributable Routine and corrective maintenance and inspection Insert cost description Insert cost descriptio	Insert cost description Insert cost description Insert cost description Insert cost description Not directly attributable  Not directly attributable  Asset replacement and renewal Insert cost description Insert cost descri	12											
Insert cost description  Not directly attributable  Routine and corrective maintenance and inspection  Not directly attributable  Routine and corrective maintenance and inspection  Insert cost description  Not directly attributable  Routine and corrective maintenance and inspection  Insert cost description  Not directly attributable  Routine and corrective maintenance and inspection  Insert cost description  Not directly attributable  Asset replacement and renewal  Insert cost description  Routine and corrective maintenance and inspection  Insert cost description  Routine and corrective maintenance and inspection  Routine and corrective accordance and inspection and inspection and inspection and inspection and inspection and inspective and inspection and insp	Insert cost description  Not directly attributable  Vegetation management Insert cost description Inse	13	Insert cost description	e.g. ABAA	Allocator 1	[Select one]							
Insert cost description  Not directly attributable  Vegetation management Insert cost description  Not directly attributable  Routine and corrective maintenance and inspection Insert cost description  Asset replacement and renewal Insert cost description Insert cost des	Insert cost description  Not directly attributable  Vegetation management  Insert cost description  Not directly attributable  Not directly attributable  Routine and corrective maintenance and inspection  Insert cost description  Insert cost desc	14	Insert cost description		Allocator 2	[Select one]							
Insert cost description   Not directly attributable     Vegetation management   Regression   Regression     Insert cost description   Regression	Not directly attributable     Vegetation management     Pegetation management     Insert cost description	15	Insert cost description	e.g. ABAA	Allocator 3	[Select one]							
Vegetation management     e.g. ABAA     Allocator 1.       Insert cost description     e.g. ABAA     Allocator 1.       Insert cost description     e.g. ABAA     Allocator 3.       Insert cost description     e.g. ABAA     Allocator 4.       Not directly attributable     Routine and corrective maintenance and inspection     e.g. ABAA     Allocator 4.       Insert cost description     e.g. ABAA     Allocator 3.       Insert cost description     e.g. ABAA     Allocator 4.       Asset replacement and renewal     e.g. ABAA     Allocator 4.       Insert cost description     e.g. ABAA     Allocator 3.	Vegetation management     e.g. ABAA     Allocator 1       Insert cost description     e.g. ABAA     Allocator 1       Insert cost description     e.g. ABAA     Allocator 3       Insert cost description     e.g. ABAA     Allocator 4       Not directly attributable     e.g. ABAA     Allocator 3       Routine and corrective maintenance and inspection     e.g. ABAA     Allocator 3       Insert cost description     e.g. ABAA     Allocator 3       Insert cost description     e.g. ABAA     Allocator 3       Insert cost description     e.g. ABAA     Allocator 4       Asset replacement and renewal     e.g. ABAA     Allocator 4       Insert cost description     e.g. ABAA     Allocator 4       Insert cost description     e.g. ABAA     Allocator 3       Insert cost description     e.g. ABAA     Allocator 4       Asset replacement and renewal     e.g. ABAA     Allocator 3       Insert cost description     e.g. ABAA     Allocator 4       Asset cost description     e.g. ABAA     Allocator 4       Asset cost description     e.g. ABAA     Allocator 4	16	Insert cost description		Allocator 4	[Select one]							
Insert cost description  Not directly attributable  Routine and corrective maintenance and inspection Insert cost description	Insert cost description  Not directly attributable  Routine and correct description Insert cost descri	17	Not directly attributable Vegetation management										
Insert cost description  Not directly attributable  Routine and corrective maintenance and inspection Insert cost description	Insert cost description  Not directly attributable  Routine and corrective maintenance and inspection  Not directly attributable  Routine and corrective maintenance and inspection  Insert cost description Insert cost descr	19	Insert cost description		Allocator 1	[Select one]							
Insert cost description  Not directly attributable  Routine and corrective maintenance and inspection Insert cost description	Insert cost description  Not directly attributable  Routine and corrective maintenance and inspection Insert cost description	20	Insert cost description		Allocator 2	[Select one]							
Not directly attributable   Routine and corrective maintenance and inspection   Routine and corrective maintenance and inspection   Not directly attributable   Not dire	Not directly attributable	21	Insert cost description	e.g. ABAA	Allocator 3	[Select one]							
Not directly attributable	Routine and corrective maintenance and inspection Insert cost description Inse	22	Insert cost description	e g. ABAA	Allocator 4	[Select one]							
Routine and corrective maintenance and inspection   Insert cost description   Insert cost desc	Routine and corrective maintenance and inspection   Insert cost description   Insert cost desc	23	Not directly attributable							3	3		
Insert cost description   Leg. ABAA   Allocator 1     Insert cost description   Leg. ABAA   Allocator 2     Insert cost description   Leg. ABAA   Allocator 3     Insert cost description   Leg. ABAA   Allocator 4     Insert cost description   Leg. ABAA   Allocator 1     Insert cost description   Leg. ABAA   Allocator 1     Insert cost description   Leg. ABAA   Allocator 2     Insert cost description   Leg. ABAA   Allocator 3     Leg. ABAA   Allocator 3     Leg. ABAA   Allocator 4     Leg. ABAA   Allocator 5     Leg. ABAA   Allocator 6     Leg. ABAA   Allocator 7     Leg. ABAA   Allocator 3     Leg. ABAA   Allocator 3	Insert cost description  Asset replacement and renewal Insert cost description  Insert cost desc	24	Routine and corrective maintenance and inspection										
Insert cost description   e.g. ABAA   Allocator 2     Insert cost description   e.g. ABAA   Allocator 3     Insert cost description   e.g. ABAA   Allocator 3     Insert cost description   e.g. ABAA   Allocator 1     Insert cost description   e.g. ABAA   Allocator 3     Insert cost description   e.g. ABAA   Allocator 4     Insert cost description   e.g. ABAA   Allocator 3     Insert cost description   e.g. ABAA   Allocator 4     Insert cost description   e.g. ABAA   Allocato	Insert cost description  Not directly attributable  Asset recit description  Not directly attributable  Asset replacement and renewal Insert cost description  Not directly attributable  Asset replacement and renewal Insert cost description  Not directly attributable  E.g. ABAA Allocator 1  E.g. ABAA Allocator 2  Allocator 3  Allocator 4  Allocator 4  Allocator 4  Allocator 7  All	25	Insert cost description	e g. ABAA	Alfocator 1	[Select one]							
Insert cost description  Asset replacement and renewal Insert cost description  Insert cost desc	Insert cost description  Not directly attributable  Asset replacement and renewal Insert cost description Insert cost descript	26	Insert cost description		Allocator 2	[Select one]							
Not directly attribute be Asset replacement and renewal linear cost description e.g., ABAA Allocator 4  Asset replacement and renewal linear cost description e.g., ABAA Allocator 1  Insert cost description e.g., ABAA Allocator 2  Insert cost description e.g., ABAA Allocator 3  Insert cost description e.g., ABAA Allocator 4	Insert cost description   e.g. ABAA   Allocator 4     Not directly attributable   Asset replacement and renewal   Insert cost description   e.g. ABAA   Allocator 1     Insert cost description   e.g. ABAA   Allocator 2     Insert cost description   e.g. ABAA   Allocator 3     Insert cost description   e.g. ABAA   Allocator 4     Insert cost description   e.g. ABAA   Allocator 3     Insert cost description   e.g. ABAA   ABAAA   ABAAAAAAAAAAAAAAAAAAAAA	27	Insert cost description	e.g. ABAA	Allocator 3	[Select one]							
Asset replacement and renewal Insert cost description	Asset replacement and renewal Insert cost description	28	Insert cost description		Allocator 4	[Select one]							
Insert cost description   e.g. ABAA   Allocator 1   Insert cost description   e.g. ABAA   Allocator 2   Insert cost description   e.g. ABAA   Allocator 2   Insert cost description   e.g. ABAA   Allocator 3   Insert cost description   e.g. ABAA   Allocator 4   Allocator 5   Allocator 6   Allocator 7   Allocator 7   Allocator 7   Allocator 7   Allocator 8   Allocator 9   Alloca	Insert cost description   e.g. ABAA   Allocator 1     Insert cost description   e.g. ABAA   Allocator 2     Insert cost description   e.g. ABAA   Allocator 3     Insert cost description   e.g. ABAA   Allocator 3     Insert cost description   e.g. ABAA   Allocator 3     Not directly attributable   e.g. ABAA   Allocator 4	29	Not directly attributable								7.	1	
Insert cost description   e.g. ABAA   Allocator 1     Insert cost description   e.g. ABAA   Allocator 2     Insert cost description   e.g. ABAA   Allocator 3     Insert cost description   e.g. ABAA   Allocator 4	Insert cost description e.g. ABAA Allocator 1.  Insert cost description e.g. ABAA Allocator 2.  Insert cost description e.g. ABAA Allocator 3.  Insert cost description e.g. ABAA Allocator 3.  Not directly attributable e.g. ABAA Allocator 4.	30	Asset replacement and renewal										
Insert cost description         e.g., ABAA         Allocator 2           Insert cost description         e.g., ABAA         Allocator 3           Insert cost description         e.g., ABAA         Allocator 4	Insert cost description         e.g. ABAA         Allocator 2           Insert cost description         e.g. ABAA         Allocator 3           Insert cost description         e.g. ABAA         Allocator 4           Not directly attributable         e.g. ABAA         Allocator 4	31	Insert cost description		Allocator 1	[Select one]							
Insert cost description   e.g. ABAA   Allocator 3   Insert cost description   e.g. ABAA   Allocator 4	Insert cost description e.g. ABAA Allocator 3 Insert cost description e.g. ABAA Allocator 4 Insert cost description Not directly attributable	32	Insert cost description		Allocator 2	[Select one]							
Insert cost description e.g. ABAA Allocator 4	Insert cost description e.g. ABAA Allocator 4 Not directly attributable	33	Insert cost description	e.g. ABAA	Allocator 3	[Select one]							
	2	34	Insert cost description	e g ABAA	Allocator 4	[Select one]							



SCHEDULE 5f: REPORT SUPPORTING COST ALLOCATIONS This Schedule requires additional detail on the asset allocation asset values that are not directly attributable, to support the 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.	
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 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.	
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 10 determination), and so is subject to the assurance report required by section 2.8.	
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 1D determination), and so is subject to the assurance report required by section 2.8.	
the Commission. This information is part of audited disclosure information (as defined in section 1.4 of the 1D determination), and so is subject to the assurance report required by section 2.8.	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 Sd (Cost allocation methodology applied in allocating asset values that are not directly attributable, to support the information provided in Schedule Sd (Cost allocation methodology applied in allocating asset values that are not directly attributable, to support the information provided in Schedule Sd (Cost allocation methodology applied in allocating asset values that are not directly attributable, to support the information are not allocation methodology applied in allocating asset values.
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.	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.

Description   Cont. ABAA   Allocator 2   Select one		
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SSf. Cost Allocation Support

		1		
WEL Networks	31 March 2016		dule is not required to be publicly disclosed, but must be	
Сатралу Name	For Year Ended	SCHEDULE 5g: REPORT SUPPORTING ASSET ALLOCATIONS	his 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, is	
		SCHEDULE 5g: REPORT SU	This schedule requires additional detail on	

	fairt de la company de la comp										
	Have assets been allocated in aggregate using ACAM in accordance with clause 2.1.1(3) of the IM Determination?	Yes									
					Alocator Metric (%)	Metric (%)		Value affoc	Value allocated (5000)		
	Line Item*	Allocation methodology type	Allocator	Allocator type	Electricity distribution services	Non-electricity distribution services	Arm's length deduction	Electricity distribution services	Non-electricity distribution services	Total	OVABAA allocation increase (\$000)
Subt	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]							
Subt	Not directly attributable Subtransmission cables										
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Distr	Not directly attributable  Not directly attributable										
	% of Poles with Fibre to total Poles	PVALUE	Allocator 1	Proxy	92"05%	4,98%		93,262	4,885	98,147	
	nsert asset description	e.g. ABAA	Allocator 2	(Select one)							
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District and a second beautiful	The state of the s	The same of the sa									

See Asset Allocation Support

SCHEDU This schedule disclosed to t This informat	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 Se (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 1D determination), and so is subject to the assurance report required by section 2.8.	ONS locating asset values tha : ID determination), and s	t are not directly atta so is subject to the a:	ibutable, to support the information ssurance report required by section	i provided in Schedule Se (Repor	For Year Ended	3: edule is not required to	31 March 2016 to be publicly disclosed, but r	
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36	Distribution and LV cables								
37	Insert asset description	e.g. ABAA	Allocator 1	[Select one]				-	
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41	Not directly attributable								
42 43 Di	Distribution substations and transformers								
4	Insert asset description	e.g. ABAA	Allocator 1	[Select one]					
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53	Insert asset description	e.g. ABAA	Allocator 3	[Select one]					
54	Insert asset description	e.g. ABAA	Allocator 4	[Select one]					
SS	Not directly attributable								18
36 Ot	Other network assets								
22	Insert asset description	e.g. ABAA	Allocator 1	[Select one]					
58	Insert asset description	e g ABAA	Allocator 2	[Select one]				-	
59	Insert asset description	e.g. ABAA	Allocator 3	[Select one]				1	
09	Insert asset description	e.g. ABAA	Allocator 4	[Select one]					
	Not directly attributable							_	
	MOINTIELWOIR ASSETS								
63	Insert asset description	e.g. ABAA	Allocator 1	[Select one]					
56	Insert asset description	e.g. ABAA	Allocator 2	[Select one]					
65	Insert asset description	e g ABAA	Allocator 3	[Select one]				•	
99	Insert asset description	e.g ABAA	Allocator 4	[Select one]					
6 63	Not directly attributable							-	
3 8	Resulated service asset value not directly attributable					1 93,262	4.885	98.147	
								and the same of th	X

WEL Networks Сотрапу Name For Year Ended 31 March 2016 SCHEDULE 6a: REPORT ON CAPITAL EXPENDITURE FOR THE DISCLOSURE YEAR This schedule requires a breakdown of capital expenditure on assets incurred in the disclosure year, including any assets in respect of which capital contributions are received, but excluding assets that are vested assets, information on expenditure on assets must be provided on an accounting accruals basis and must exclude finance costs, EDBs must provide explanatory comment on their expenditure on assets in Schedule 14 (Explanatory Notes to Templates). This information is part of audited disclosure information (as defined in section 1.4 of the ID determination), and so is subject to the assurance report required by section 2.8. sch ref 6a(i): Expenditure on Assets (\$000) (\$000) Cansumer connection 10,636 System growth 9,047 Asset replacement and renewal 10,602 11 Asset relocations 2,904 12 Reliability, safety and environment: 13 Quality of supply 531 Legislative and regulatory 271 15 Other reliability, safety and environment 1.714 16 Total reliability, safety and environment 2.515 17 Expenditure on network assets 35,705 18 Expenditure on non-network assets 19 20 Expenditure on assets 39.033 21 plus Cost of financing 952 22 less Value of capital contributions 4,480 23 plus Value of vested assets 24 25 Capital expenditure 35,505 6a(ii): Subcomponents of Expenditure on Assets (where known) 26 (\$000) 27 Energy efficiency and demand side management, reduction of energy losses 28 Overhead to underground conversion 274 29 Research and development 6a(iii): Consumer Connection 30 31 Consumer types defined by EDB\* (\$000) (\$000) 72 Residential Low User 4,555 Residential Standard User 2,911 Small Business 1,222 Small Scale DG Low User Small Scale DG Standard User 19 Streetlighting Medium Voltage (11kV) 424 High Voltage (33kV) 80 ow Voltage (400V) 1.399 Other Unmetered 36 Asset Specific Custome 37 include additional rows if needed 38 39 Consumer connection expenditure 10,636 Capital contributions funding consumer connection expenditure 2,929 41 Consumer connection less capital contributions 7,707 Asset 6a(iv): System Growth and Asset Replacement and Renewal Replacement and System Growth 44 (\$000) (\$000) 45 Subtransmission 62 46 Zone substations 4,171 222 47 Distribution and LV lines 1,201 6,121 48 Distribution and LV cables 1.008 643 49 Distribution substations and transformers 516 1,239 50 Distribution switchgear 1.232 51 2,151 1,084 52 System growth and asset replacement and renewal expenditure 10.602 9.047 53 Capital contributions funding system growth and asset replacement and renewal 227 270 54 System growth and asset replacement and renewal less capital contributions 10.333 8.821 55 6a(v): Asset Relocations 57 Project or programme (\$000) (\$000) 58 Relocations 2,388 59 SH1 Huntly Bypass 242 60 Undergrounding 61 62 63 \* include additional rows if needed All other projects or programmes - asset relocations



Company Name
For Year Ended

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 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

Asset relocations expenditure
Capital contributions funding asset relocations
1,009

Asset relocations less capital contributions
1,895



**WEL Networks** Company Name For Year Ended 31 March 2016 SCHEDULE 6a: REPORT ON CAPITAL EXPENDITURE FOR THE DISCLOSURE YEAR This schedule requires a breakdown of capital expenditure on assets incurred in the disclosure year, including any assets in respect of which capital contributions are received, but excluding assets that are vested assets. Information on expenditure on assets must be provided on an accounting accruals basis and must exclude finance costs. EDBs must provide explanatory comment on their expenditure on assets in Schedule 14 (Explanatory Notes to Templates), This information is part of audited disclosure information (as defined in section 1.4 of the ID determination), and so is subject to the assurance report required by section 2.8. sch ref 68 6a(vi): Quality of Supply 69 70 Project or programme\* (\$000) 71 Voltage upgrade projects due to monitoring 72 Power Quality 73 74 75 76 \* include additional rows if needed 77 All other projects programmes - quality of supply 78 Quality of supply expenditure 531 79 Capital contributions funding quality of supply Quality of supply less capital contributions 6a(vii): Legislative and Regulatory 82 (\$000) Project or programme\* Seismic upgrades of substations 84 86 87 88 include additional rows if needed All other projects or programmes - legislative and regulatory 90 Legislative and regulatory expenditure 271 Capital contributions funding legislative and regulatory 92 Legislative and regulatory less capital contributions 271 6a(viii): Other Reliability, Safety and Environment (\$000) Project or programme\* (\$000) 95 Network Automation 691 Arc Flash protection installation 728 97 99 \* include additional rows if needed 100 101 All other projects or programmes - other reliability, safety and environment 295 102 Other reliability, safety and environment expenditure 1,714 103 Capital contributions funding other reliability, safety and environment Other reliability, safety and environment less capital contributions 104 1,714 105 6a(ix): Non-Network Assets 106 Routine expenditure 107 108 (\$000) Project or programme (5000) 105 Computer Equipment 189 110 Comp Software 1:453 111 Plant and Equipm 112 Motor Vehicles 1,057 113 114 \* include additional rows if needed 115 All other projects or programmes - routine expenditure 116 Routine expenditure 3,328 117 Atypical expenditure 118 Project or programme\* (\$000) (\$000) 119 120 121 122 123 124 \* include additional rows if needed 129 All other projects or programmes - atypical expenditure 126 Atypical expenditure 127 128 Expenditure on non-network assets



6,588 526 1,088 441 14,726 21,314 EDBs must provide explanatory comment on their operational expenditure in Schedule 14 (Explanatory notes to templates). This includes explanatory comment on any atypical operational (\$000) 31 March 2016 **WEL Networks** 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. 1,443 10,915 1,598 3,811 1,309 (\$000) expenditure and assets replaced or renewed as part of asset replacement and renewal operational expenditure, and additional information on insurance. Company Name For Year Ended SCHEDULE 6b: REPORT ON OPERATIONAL EXPENDITURE FOR THE DISCLOSURE YEAR 6b(ii): Subcomponents of Operational Expenditure (where known) Energy efficiency and demand side management, reduction of energy losses This schedule requires a breakdown of operational expenditure incurred in the disclosure year. \* Direct billing expenditure by suppliers that directly bill the majority of their consumers Routine and corrective maintenance and inspection System operations and network support Service interruptions and emergencies Asset replacement and renewal 6b(i): Operational Expenditure Research and development Vegetation management Operational expenditure Non-network opex Business support Network opex Direct billing\* Insurance 18 00 6 10 12 13 14 15 16 17 19 20 21 23 11



Company Name WEL Networks
For Year Ended 31 March 2016

#### SCHEDULE 7: COMPARISON OF FORECASTS TO ACTUAL EXPENDITURE

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

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

-ah	raf

7	7(i): Revenue	Target (\$000) 1	Actual (\$000)	% variance
8	Line charge revenue	97,914	99,479	2%
9	7(ii): Expenditure on Assets	Forecast (\$000) <sup>2</sup>	Actual (\$000)	% variance
10	Consumer connection	8,152	10,636	30%
11	System growth	11,754	9,047	(23%)
12	Asset replacement and renewal	11,577	10,602	(8%)
13	Asset relocations	1,938	2,904	50%
14	Reliability, safety and environment:			
5	Quality of supply	869	531	(39%
16	Legislative and regulatory	394	271	(31%
7	Other reliability, safety and environment	2,075	1,714	(17%
18	Total reliability, safety and environment	3,338	2,515	(25%
19	Expenditure on network assets	36,760	35,705	(3%
0	Expenditure on non-network assets	5,075	3,328	(34%
1	Expenditure on assets	41,834	39,033	(7%
2	7(iii): Operational Expenditure			
3	Service interruptions and emergencies	2,842	2,237	(21%
4	Vegetation management	1,316	1,309	(1%
5	Routine and corrective maintenance and inspection	2,011	1,443	(28%
6	Asset replacement and renewal	2,103	1,598	(24%
7	Network opex	8,273	6,588	(20%
8	System operations and network support	5,042	3,811	(24%
او	Business support	8,121	10,915	34%
0	Non-network opex	13,163	14,726	12%
1	Operational expenditure	21,436	21,314	(1%
2	7(iv): Subcomponents of Expenditure on Assets (where known)			
3	Energy efficiency and demand side management, reduction of energy losses	931	359	(61%
4	Overhead to underground conversion	250	274	109
5	Research and development	-	-	
6	nescalar and development			
,	7(v): Subcomponents of Operational Expenditure (where knows	n)		
8	Energy efficiency and demand side management, reduction of energy losses	802	526	(349
او	Direct billing	802	- 320	(347
اه	Research and development	10	1,088	10,7759
1	Insurance	463	441	(5%

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



<sup>2</sup> From the CY+1 nominal dallar expenditure forecasts disclased 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)

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WEL Networks 31 March 2016 Company Name For Year Ended 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,

	Voltage	Asset category	Asset cines	Units	Items at start of	Items at end of year (quantity)	Net change	Data accurac
,	All	Overhead Line	Concrete poles / steel structure	No.	37,147	37,080	[67]	
	All	Overhead Line	Wood poles	No.	2,392	2,297	(95)	
	All	Overhead Line	Other pole types	No.	10	10	-	
	HV	Subtransmission Line	Subtransmission OH up to 66kV conductor	km	195	191	(4)	
	HV	Subtransmission Line	Subtransmission OH 110kV+ conductor	km	-	-		-
	HV	Subtransmission Cable	Subtransmission UG up to 66kV (XLPE)	km	232	231	(1)	
	HV	Subtransmission Cable	Subtransmission UG up to 66kV (Dil pressurised)	km	_		- 1	
	HV	Subtransmission Cable	Subtransmission UG up to 66kV (Gas pressurised)	km				
	HV	Subtransmission Cable	Subtransmission UG up to 66kV (PILC)	km	15	15	a	
1	HV	Subtransmission Cable	Subtransmission UG 110kV+ (XLPE)	km	- 10	- 44	_ ,	
	HV	Subtransmission Cable	· · · · · · · · · · · · · · · · · · ·					
	HV	Subtransmission Cable	Subtransmission UG 110kV+ (Oil pressurised)	km				
ı			Subtransmission UG 110kV+ (Gas Pressurised)	km				
	HV	Subtransmission Cable	Subtransmission UG 110kV+ (PILC)	km		-	-	
	HV	Subtransmission Cable	Subtransmission submarine cable	km	-		-	
	HV	Zone substation Buildings	Zone substations up to 66kV	No.	25	25	-	
	HV	Zone substation Bulldings	Zone substations 110kV+	No.	-	-	-	
	HV	Zone substation switchgear	50/66/110kV CB (Indoor)	No.	-	-		
	HV	Zone substation switchgear	50/66/110kV CB (Outdoor)	No.	-	-		
	HV	Zone substation switchgear	33kV Switch (Ground Mounted)	No.	1 1		-	
	HV	Zone substation switchgear	33kV Switch (Pole Mounted)	No.	62	55	(7)	
	HV	Zone substation switchgear	33kV RMU	No.	9	9	(a)	
	HV	Zone substation switchgear	22/33kV CB (Indoor)	No.	96	104	8	
	HV	Zone substation switchgear	22/33kV CB (Outdoor)	No.	30	30	- (	
	HV	Zone substation switchgear	3.3/6.6/11/22kV CB (ground mounted)	No.	341	780	-	
	HV	Zone substation switchgear	3.3/6.6/11/22kV CB (pole mounted)	No.	-			
	HV	Zone Substation Transformer	Zone Substation Transformers	No.	49	50	1	
	HV	Distribution Une	Distribution OH Open Wire Conductor	km	1.954	1,939	(15)	
	HV	Distribution Line	Distribution OH Aerial Cable Conductor	km	-	-	-	
	HV	Distribution Line	SWER conductor	km	_	_		
	HV	Distribution Cable	Distribution UG XLPE or PVC	km	524	550	26	
	HV	Distribution Cable	Distribution UG PILC	km	125	117	(9)	7
	HV	Distribution Cable	Distribution Submarine Cable	km	-			
	HV	Distribution switchgear	3.3/6.6/11/22kV CB (pole mounted) - reclosers and sectionalisers	No.	137	143	6	
	HV	Distribution switchgear	3.3/6.6/11/22kV CB (Indoor)	No.	377	373	(4)	
	HV	Distribution switchgear	3.3/6.6/11/22kV Switches and fuses (pole mounted)	No.	6,172	6,055	(117)	
	HV		A CONTRACTOR OF THE CONTRACTOR		Wy 1, 1 2	9,093	(117)	
	HV	Distribution switchgear	3.3/6.6/11/22kV Switch (ground mounted) - except RMU	No.	978	1,012	34	
		Distribution switchgear	3,3/6.6/11/22kV RMU	No.				
	HV	Olstribution Transformer	Pole Mounted Transformer	No.	4,002	3,988	(14)	
	HV	Distribution Transformer	Ground Mounted Transformer	No.	1,842	1,895	53	
	HV	Distribution Transformer	Voltage regulators	No.	15	14	(1)	-
	HV	Distribution Substations	Ground Mounted Substation Housing	No.				
	۲۷	LV Line	LV OH Conductor	km	1,079	1,069	(10)	
	LV	LV Cable	LV UG Cable	km	1,174	1.227	53	
	LV	LV Street lighting	LV OH/UG Streetlight circuit	km	1,165	1,179	14	
	LV	Connections	OH/UG consumer service connections	No.	88,491	89,663	1,172	
	All	Protection	Protection relays (electromechanica), solid state and numeric)	No.	908	923	15	
	All	SCADA and communications	SCADA and communications equipment operating as a single system	Lot	1,019	1,146	127	
	All	Capacitor Banks	Capacitors including controls	No	1	1		
	All	Load Control	Centralised plant	Lot	8	В	100	
	All	Load Control	Relays	No	53,693	54,473	780	
	All	Civils	Cable Tunnels	km		-	-	



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**WEL Networks** Company Name 31 March 2016 For Year Ended 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 Total circuit 10 Circuit length by operating voltage (at year end) Overhead (km) Underground (km) length (km) 11 > 66kV 12 50kV & 66kV 13 33kV 191 246 437 SWER (all SWER voltages) 14 15 22kV (other than SWER) 16 6.6kV to 11kV (Inclusive—other than SWER) 1,939 666 2,605 17 Low voltage (< 1kV) 1.069 1.227 2,296 18 Total circuit length (for supply) 3,199 2,140 5,338 19 20 Dedicated street lighting circuit length (km) 266 914 1,179 21 22 Circuit In sensitive areas (conservation areas, iwi territory etc) (km) 905 (% of total 23 Overhead circuit length by terrain (at year end) Circuit length (km) overhead (ength) 24 Urban 526 16% 25 Rural 1,964 61% 26 Remote only 27 Rugged only 709 22% 28 Remote and rugged 29 Unallocated overhead lines 30 Total overhead length 3,199 100% 31 (% of total circuit 32 Circuit length (km) (ength) 33 Length of circuit within 10km of coastline or geothermal areas (where known) (% of total 34 Circuit length (km) overhead length) 35 Overhead circuit requiring vegetation management 3,199 100%



**WEL Networks** Company Name 31 March 2016 For Year Ended **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. Une charge revenue (\$000) Number of ICPs Location \* served 10 Brick St 17 114 Flagship 11 80 12 Half Moon Bay 59 50 13 Hulme Place 32 17 Jeffs Road Dannemora 881 599 15 Kirkdale 266 178 16 Oaklands 178 142 Porchester Road Ryan Place 17 178 277 18 51 32 19 Southgate 101 67 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



Company Name **WEL Networks** 31 March 2016 For Year Ended 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). 9e(i): Consumer Connections Number of ICPs connected in year by consumer type Number of 10 Consumer types defined by EDB\* connections (ICPs) 11 Residential Low User (1153) 268 Residential Standard User (1154) 669 Small Business (1200) 548 Small Scale DG Low User (1250) Small Scale DG Standard User (1251) Streetlighting (1293) Medium Voltage (11kV) (1354) 12 High Voltage (33kV) (1357) 13 Low Voltage (400V) (1360) 14 Other Unmetered (1450) 15 \* include additional rows if needed 16 Connections total 1,517 18 19 Distributed generation 20 Number of connections made in year 120 connections 21 Capacity of distributed generation installed in year 1.04 MVA 9e(ii): System Demand 22 23 24 Demand at time of maximum coincident demand (MW) Maximum coincident system demand 25 26 GXP demand 27 Distributed generation output at HV and above 28 Maximum coincident system demand 260 29 Net transfers to (from) other EDBs at HV and above 30 Demand on system for supply to consumers' connection points 260 31 **Electricity volumes carried** Energy (GWh) 32 **Electricity supplied from GXPs** 936 33 Electricity exports to GXPs less 100 34 Electricity supplied from distributed generation 431 35 Net electricity supplied to (from) other EDBs (15) 36 Electricity entering system for supply to consumers' connection points 1,283 37 less Total energy delivered to ICPs 1.225 38 Electricity losses (loss ratio) 58 4.5% 39 0.56 9e(iii): Transformer Capacity 41 42 (MVA) 43 Distribution transformer capacity (EDB owned) 44 Distribution transformer capacity (Non-EDB owned, estimated) 899 45 Total distribution transformer capacity 46 766 Zone substation transformer capacity



**WEL Networks** Company Name 31 March 2016 For Year Ended 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 IO determination), and so is subject to the assurance report required by section 2.8. 10(i): Interruptions Number of Interruptions by class interruptions Class A (planned Interruptions by Transpower) 10 11 Class B (planned interruptions on the network) 409 12 Class C (unplanned interruptions on the network) 484 Class D (unplanned interruptions by Transpower) 13 14 Class E (unplanned interruptions of EDB owned generation) 15 Class F (unplanned interruptions of generation owned by others) 16 Class G (unplanned interruptions caused by another disclosing entity) 17 Class H (planned Interruptions caused by another disclosing entity) 18 Class I (interruptions caused by parties not included above) 19 Total 20 21 Interruption restoration 22 Class C Interruptions restored within 351 133 23 24 SAIFI and SAIDI by class SAIDI 25 Class A (planned interruptions by Transpower) 26 Class B (planned interruptions on the network) 39.4 27 Class C (unplanned interruptions on the network) 63.9 28 Class D (unplanned interruptions by Transpower) 29 Class E (unplanned interruptions of EDB owned generation) 30 Class F (unplanned Interruptions of generation owned by others) 31 Class G (unplanned interruptions caused by another disclosing entity) 32 Class H (planned interruptions caused by another disclosing entity) 33 Class I (interruptions caused by parties not included above) 34 Total 104.4 35 Normalised SAIFI and SAIDI Normalised SAIFI Normalised SAIDI 36 37 Classes B & C (Interruptions on the network) 1.3 103.3 38 SAIFI reliability SAIDI reliability 39 Quality path normalised reliability limit limit limit 40 SAIFI and SAIDI limits applicable to disclosure year\*

\* not applicable to exempt EDBs

**WEL Networks** Company Name 31 March 2016 For Year Ended 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 43 44 SAIFI 45 Lightning 0.1 46 Vegetation 0.1 47 Adverse weather 0.1 4.4 48 Adverse environment 49 Third party interference 0.4 27.1 50 Wildlife 0.1 4,6 51 Human error 0.0 0, 2 52 Defective equipment 0.3 17.2 53 Cause unknown 0.1 54 10(iii): Class B Interruptions and Duration by Main Equipment involved 55 56 57 Main equipment involved SAIFI SAIDI 58 Subtransmission lines 59 Subtransmission cables 60 Subtransmission other 61 Distribution lines (excluding LV) 25.5 0.1 62 Distribution cables (excluding LV) 63 Distribution other (excluding LV) 13.9 10(iv): Class C Interruptions and Duration by Main Equipment Involved 64 65 66 Main equipment involved SAIFI SAIDI 67 Subtransmission lines 0.1 68 Subtransmission cables 69 Subtransmission other 70 Distribution lines (excluding LV) 71 Distribution cables (excluding LV) 0.1 72 Distribution other (excluding LV) 73 10(v): Fault Rate Fault rate (faults Main equipment involved ber of Faults Circuit length (km) per 100km) 75 Subtransmission lines 191 2.09 76 Subtransmission cables 246 77 Subtransmission other 78 Distribution lines (excluding LV) 1,939 13.72 266 79 Distribution cables (excluding LV) 30 666 4.50 80 Distribution other (excluding LV) 184



484

81

Total

Company Name

**WEL Networks Limited** 

For Year Ended

31 March 2016

### Schedule 14 Mandatory Explanatory Notes

- 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 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 subclause 2.7.1(2).

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

ROI for FY16 is 4.63% compared to a comparable post tax WACC of 5.37%.

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 for regulatory profit is \$2.5M received from WEL subsidiary WNL.

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)
  - 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)
No items have been reclassified.

The value of the Asset Base in Schedule 4 for the 2015 was \$486.8M and 2016 is now \$508.0M, a positive movement of \$21.2M.

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

The value of assets commissioned but not included in the RAB is \$48.6M

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

An immaterial portion of financing costs related to prior period that were previously unrecognised have been included as assets commissioned in the current period.

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 \$7K
- 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 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 subclause 2.3.6(1)(b).

**Box 7: Related party transactions**No related party transactions

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 subclause 2.7.1(2).

#### **Box 8: Cost allocation**

No items were reclassified.

Business Support has costs classified as indirectly attributable, as under the Input Memorandum (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 subclause 2.7.1(2).

#### Box 9: Commentary on asset allocation

Indirectly 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 indirectly attributable value as the contribution is netted of the capital cost.

33kV assets attributed to fibre have been reclassified to Distribution and LV Lines.

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

- 13. In the box below, comment on expenditure on assets for the disclosure year, as disclosed in Schedule 6a. This comment must include
  - 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 subclause 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 operational expenditure, as reported in 6b(i) of Schedule 6b;
  - 14.2 Information on reclassified items in accordance with subclause 2.7.1(2);
  - 14.3 Commentary on any material atypical expenditure included in operational expenditure disclosed in Schedule 6b, a 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 assets 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 charges 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 subclause 2.7.1(2).



## Box 12: Explanatory comment on variance in actual to forecast expenditure 7(ii) Expenditure on assets

Consumer connection was higher than forecast due to higher connections and subdivision development works.

System growth was slightly lower than forecast due to timing delays causing several projects to carry forward from the 15/16 year into the 16/17 year.

Asset replacement and renewal is generally aligned with the forecast.

Asset relocations were significantly higher than forecast due to accelerating of Waikato expressway projects.

Reliability, safety and environment is higher than the forecast mainly due to:

- Quality of supply: Costs were lower than anticipated mainly due to less LVC remedial works.
- Legislative and regulatory: Costs were less than that forecast due to timing delays in the 15/16 work carried forward into the 16/17 year.
- Other reliability, safety and environment: Caro Street Switching Station relocation was cancelled due to unavailability of a suitable site for the relocation after a risk assessment, followed by an upgrade of the protection equipment.

#### 7(iii) Operational Expenditure

- Service interruptions and emergencies: underspend mainly due to a restructure of the first response faults group resulting in better utilisation of the team.
- Vegetation management was aligned with the forecast.
- Routine and corrective maintenance and inspection: underspend mainly due to lower costs in the corrective works categories.
- Asset replacement and renewal: underspend mainly due to the cancelation of two zone transformer midlife refurbishments, one moved to strategic spares and other put into service due to fault requirements.
- System operations and network support costs were lower than forecast due to an organisational structure change with Business Support
- Business Support costs were higher forecast due to an organisational structure change with System operations and network support
- Overall Network Opex is higher than forecast due to less capitalisation



Information relating to revenues 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 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
  - 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 ICP's.
- 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

The normalised result for SAIDI was 103.3

The normalised result for SAIFI was 1.3

For SAIFI performance, 17% was derived from planned outages, 83% was caused by unplanned outages.

For SAIDI, 38% was derived from planned outages, 62% was caused by unplanned outages.

The unplanned SAIDI outcome was impacted by four key factors during the year:

- 1. Third party interference (42%) mainly from vehicle accidents and diggers hit cables: 16.80 SAIDI minutes were caused by vehicle accidents.
- 2. Defective equipment (27%) mainly from distribution lines and cable faults.
- 3. Vegetation (8%)
- 4. Wildlife (7%)



#### 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.

#### Amendments to previously disclosed information

- 19. 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:
  - 19.1 a description of each error; and
  - 19.2 for each error, reference to the web address where the disclosure made in accordance with clause 2.12.1 is publicly disclosed.

#### Box 16: Disclosure of amendment to previously disclosed information

An immaterial portion of financing costs related to prior period that were previously unrecognised have been included as assets commissioned in the current period.



Company Name

**WEL Networks Limited** 

For Year Ended

31 March 2016

#### Schedule 15

#### **Voluntary Explanatory Notes**

- 1. This schedule enables EDBs to provide, should they wish to
  - 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;
  - 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

S3(ii) Other specified pass-through costs: This includes electricity line services payable to other regulated suppliers for embedded networks. This is similar to indirect transmission charges which are allowed to be treated as recoverable costs under the DPP.