

EDB Information Disclosure Requirements Information Templates

for Schedules 1–10

Company Name Disclosure Date Disclosure Year (year ended) WEL Networks Limited 28 August 2015 31 March 2015

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

TABLE OF CONTENTS

SCHEDULE 1:	ANALYTICAL RATIOS	3
SCHEDULE 2:	REPORT ON RETURN INVESTMENT	4
SCHEDULE 3:	REPORT ON REGULATORY PROFIT	
SCHEDULE 4:	REPORT ON VALUE OF THE REGULATORY ASSET BASE (ROLLED FORWARD)	8
SCHEDULE 5A:	REPORT ON REGULATORY TAX ALLOWANCE	10
SCHEDULE 5B:	REPORT ON RELATED PARTY TRANSACTIONS	
SCHEDULE 5C:	REPORT ON TERM CREDIT SPREAD DIFFERENTIAL ALLOWANCE	13
SCHEDULE 5D:	REPORT ON COST ALLOCATIONS	
SCHEDULE 5E:	REPORT ON ASSET ALLOCATIONS	
SCHEDULE 6A:	REPORT ON CAPITAL EXPENDITURE FOR THE DISCLOSURE YEAR	16
SCHEDULE 6B:	REPORT ON OPERATIONAL EXPENDITURE FOR THE DISCLOSURE YEAR	18
SCHEDULE 7:	COMPARISON OF FORECASTS TO ACTUAL EXPENDITURE	19
SCHEDULE 8:	REPORT ON BILLED QUANTITIES AND LINE CHARGE REVENUES	
SCHEDULE 9A:	ASSET REGISTER	
SCHEDULE 9B;	ASSET AGE PROFILE	22
SCHEDULE 9C:	REPORT ON OVERHEAD LINES AND UNDERGROUND CABLES	
SCHEDULE 9D:	REPORT ON EMBEDDED NETWORKS	
SCHEDULE 9E:	REPORT ON NETWORK DEMAND	25
SCHEDULE 10:	REPORT ON NETWORK RELIABILITY	
SCHEDULE 11A:	REPORT ON FORECAST CAPITAL	
	REPORT ON FORECAST OPERATIONAL EXPENDITURE	
SCHEDULE 12A:	REPORT ON ASSET CONDITION	
SCHEDULE 12B:		
	REPORT ON FORECAST NETWORK DEMAND	
SCHEDULE 12D:	REPORT FORECAST INTERRUPTIONS AND DURATION	
SCHEDULE 14:	MANDATORY EXPLANATORY NOTES	36
SCHEDULE 14A:	MANDATORY EXPLANATORY NOTES ON FORECAST INFORMATION	
SCHEDULE 15:	VOLUNTARY EXPLANATORY NOTES	46

SCHEDULE 1: ANALYTICAL RATIOS

			Company Name	w	EL Networks Lir	nited
			For Year Ended		31 March 201	
			ror rear Endea			-
This inte disc	CHEDULE 1: ANALYTICAL RATIOS s schedule calculates expenditure, revenue and service ratios from the information erpreted with care. The Commerce Commission will publish a summary and analysis closed in accordance with this and other schedules, and information disclosed und sinformation is part of audited disclosure information (as defined in section 1.4 of of	s of information disc ler the other requirer	losed in accordance nents of the determin	with the ID determin ation.	ation. This will inclu	ide information
7	1(i): Expenditure metrics					
8		Expenditure per GWh energy delivered to ICPs (\$/GWh)	Expenditure per average no. of ICPs (\$/ICP)	Expenditure per MW maximum coincident system demand (\$/MW)	Expenditure per km circuit length (\$/km)	Expenditure per MVA of capacity from EDB- owned distribution transformers (\$/MVA)
9	Operational expenditure	14,784	206	72,471	3,371	21,489
10	Network	6,066	84	29,735	1,383	8,817
11	Non-network	8,718	121	42,735	1,988	12,672
12						
13	Expenditure on assets	45,219	630	221,655	10,310	65,727
14	Network	40,826	569 61	200,122	9,308 1,002	59,341
15 16	Non-network	4,393	61	21,534	1,002	6,385
18		Revenue per GWh energy delivered to ICPs (\$/GWh)	Revenue per average no. of ICPs (\$/ICP)			
19	Total consumer line charge revenue	80,204	1,117			
20	Standard consumer line charge revenue	81,441	1,103			
21	Non-standard consumer line charge revenue	37,164	179,175			
22 23 24	1(iii): Service intensity measures					
25	Demand density	47				(for supply) (kW/km)
26	Volume density	228		red to ICPs per km of		
27	Connection point density	16		ICPs per km of circuit		
28 29	Energy intensity	13,926	lotal energy deliver	red to ICPs per averag	je number of ICPs (k)	vn/icP)
29 30	1(iv): Composition of regulatory income					
31	-()		(\$000)	% of revenue		
32	Operational expenditure		17,858	17.68%		
33	Pass-through and recoverable costs excluding financial incentiv	es and wash-ups	31,535	31.23%		
34	Total depreciation		19,241	19.05%		
35	Total revaluations		398	0.39%		
36	Regulatory tax allowance		8,581	8.50%		
37	Regulatory profit/(loss) including financial incentives and wash	-ups	24,174	23.94%		
38 39	Total regulatory income		100,990			
39 40 41	1(v): Reliability					

SCHEDULE 2: REPORT ON RETURN INVESTMENT

	Company Name	WFI	Networks Limit	ed
	For Year Ended		31 March 2015	cu
SCL	IEDULE 2: REPORT ON RETURN ON INVESTMENT		51 March 2015	
This s ROI b 2(iii).	chedule requires information on the Return on Investment (ROI) for the EDB relative to the Commerce Commission's estimat ased 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,			
This i	nformation is part of audited disclosure information (as defined in section 1.4 of the ID determination), and so is subject to	the assurance report rec	uired by section 2.8.	
ch ref				
7 8	2(i): Return on Investment	CY-2 31 Mar 13	CY-1 31 Mar 14	Current Year CY 31 Mar 15
9	ROI – comparable to a post tax WACC	%	%	%
10 11	Reflecting all revenue earned Excluding revenue earned from financial incentives	6.50% 6.50%	6.10% 6.10%	4.49% 4.49%
12	Excluding revenue earned from financial incentives and wash-ups	6.50%	6.10%	4.49%
13				
14	Mid-point estimate of post tax WACC	5.85%	5.43%	6.10%
15	25th percentile estimate	5.13%	4.71%	5.39%
16 17	75th percentile estimate	6.56%	6.14%	6.82%
17				
19	ROI – comparable to a vanilla WACC		_	
20	Reflecting all revenue earned	7.27%	6.79%	5.27%
21	Excluding revenue earned from financial incentives	7.27%	6.79% 6.79%	5.27%
22 23	Excluding revenue earned from financial incentives and wash-ups	1.21%	6.79%	5.27%
24	WACC rate used to set regulatory price path			
25				
26	Mid-point estimate of vanilla WACC	6.62%	6.11%	6.89%
27	25th percentile estimate	5.91%	5.39%	6.17%
28 29	75th percentile estimate	7.34%	6.83%	7.60%
30 31	2(ii): Information Supporting the ROI		(\$000)	
32	Total opening RAB value	475,614		
33	plus Opening deferred tax	(17,505)		
34 35	Opening RIV	L	458,109	
36				
	Line charge revenue	Г	96,877	
37	Line charge revenue		96,877	
38	Line charge revenue Expenses cash outflow	49,393	96,877	
38 39	Expenses cash outflow add Assets commissioned	30,676	96,877	
38 39 40	Expenses cash outflow add Assets commissioned less Asset disposals	30,676 601	96,877	
38 39 40 41	Expenses cash outflow add Assets commissioned less Asset disposals add Tax payments	30,676 601 4,047	96,877	
38 39 40	Expenses cash outflow add Assets commissioned less Asset disposals	30,676 601	96,877	
38 39 40 41 42 43 44	Expenses cash outflow add Assets commissioned less Asset disposals add Tax payments less Other regulated income Mid-year net cash outflows	30,676 601 4,047		
38 39 40 41 42 43 44 45	Expenses cash outflow add Assets commissioned less Asset disposals add Tax payments less Other regulated income	30,676 601 4,047		
38 39 40 41 42 43 44 45 46	Expenses cash outflow add Assets commissioned less Asset disposals add Tax payments less Other regulated income Mid-year net cash outflows Term credit spread differential allowance	30,676 601 4,047 4,113		
38 39 40 41 42 43 44 45	Expenses cash outflow add Assets commissioned less Asset disposals add Tax payments less Other regulated income Mid-year net cash outflows Term credit spread differential allowance Total closing RAB value	30,676 601 4,047		
38 39 40 41 42 43 44 45 46 47	Expenses cash outflow add Assets commissioned less Asset disposals add Tax payments less Other regulated income Mid-year net cash outflows Term credit spread differential allowance Total closing RAB value	30,676 601 4,047 4,113 4,113		
38 39 40 41 42 43 44 45 46 47 48 49 50	Expenses cash outflow add Assets commissioned less Asset disposals add Tax payments less Other regulated income Mid-year net cash outflows Term credit spread differential allowance Total closing RAB value less Adjustment resulting from asset allocation less Lost and found assets adjustment plus Closing deferred tax	30,676 601 4,047 4,113 4,113	79,401 _	
38 39 40 41 42 43 44 45 46 47 48 49 50 50	Expenses cash outflow add Assets commissioned less Asset disposals add Tax payments less Other regulated income Mid-year net cash outflows Term credit spread differential allowance Total closing RAB value less Adjustment resulting from asset allocation less Lost and found assets adjustment	30,676 601 4,047 4,113 4,113 486,846 (0) -		
38 39 40 41 42 43 44 45 46 47 48 49 50 51 52	Expenses cash outflow add Assets commissioned less Asset disposals add Tax payments less Other regulated income Mid-year net cash outflows Term credit spread differential allowance Total closing RAB value less Adjustment resulting from asset allocation less Lost and found assets adjustment plus Closing RHV	30,676 601 4,047 4,113 4,113 486,846 (0) -	79,401 _	5.27%
38 39 40 41 42 43 44 45 46 47 48 49 50 50	Expenses cash outflow add Assets commissioned less Asset disposals add Tax payments less Other regulated income Mid-year net cash outflows Term credit spread differential allowance Total closing RAB value less Adjustment resulting from asset allocation less Lost and found assets adjustment plus Closing deferred tax	30,676 601 4,047 4,113 4,113 486,846 (0) -	79,401 _	5.27%
38 39 40 41 42 43 43 44 45 46 47 48 49 50 51 52 53	Expenses cash outflow add Assets commissioned less Asset disposals add Tax payments less Other regulated income Mid-year net cash outflows Term credit spread differential allowance Total closing RAB value less Adjustment resulting from asset allocation less Lost and found assets adjustment plus Closing RHV	30,676 601 4,047 4,113 4,113 486,846 (0) -	79,401 _	5.27%
38 39 40 41 42 43 44 45 46 47 48 49 50 51 52 53 52	Expenses cash outflow add Assets commissioned less Asset disposals add Tax payments less Other regulated income Mid-year net cash outflows Image: Cash outflow and a set allocation ress Adjustment resulting from asset allocation less Losing RAB value less Losing deferred tax Closing RIV ROI - comparable to a vanilla WACC	30,676 601 4,047 4,113 4,113 486,846 (0) -	79,401 _	
 38 39 40 41 42 43 44 45 46 47 48 49 50 51 52 53 54 55 56 57 	Expenses cash outflow add Assets commissioned less Asset disposals add Tax payments less Other regulated income Mid-year net cash outflows Term credit spread differential allowance Total closing RAB value less Adjustment resulting from asset allocation less Lost and found assets adjustment plus Closing deferred tax Closing RW ROI – comparable to a vanilla WACC Leverage (%)	30,676 601 4,047 4,113 4,113 486,846 (0) -	79,401 _	44%
38 39 40 41 42 43 44 45 46 47 48 49 50 51 52 53 54 55 55 56	Expenses cash outflow add Assets commissioned less Asset disposals add Tax payments less Other regulated income Mid-year net cash outflows Term credit spread differential allowance Total closing RAB value less Adjustment resulting from asset allocation less Lost and found assets adjustment plus Closing deferred tax Closing RIV ROI – comparable to a vanilla WACC Leverage (%) Cost of debt assumption (%)	30,676 601 4,047 4,113 4,113 486,846 (0) -	79,401 _	44% 6.36%

61	2(iii): Information Supporting the	e Monthly ROI					
62							
63	Opening RIV						N/A
64							
65							
66		Line charge revenue	Expenses cash outflow	Assets commissioned	Asset disposals	Other regulated income	Monthly net cash outflows
67	April		Cutilow	commissioned	uisposuis		-
68	May						_
69	June						-
70	July						-
71	August						-
72	September						-
73	October						-
74	November						-
75	December						-
76	January						-
77	February						-
78	March						-
79	Total	-	-	-	-	-	-
80							
81	Tax payments						N/A
82							
83	Term credit spread differential allow	vance					N/A
84							
85	Closing RIV						N/A
86							
87							
88	Monthly ROI – comparable to a vanilla V	VACC					N/A
89							
90	Monthly ROI – comparable to a post tax	WACC					N/A
91							
92	2(iv): Year-End ROI Rates for Cor	nparison Purposes					
93							
94	Year-end ROI – comparable to a vanilla	WACC					5.11%
95							
96 07	Year-end ROI – comparable to a post ta	x WACC					4.32%
97							
98	* these year-end ROI values are compare	ible to the ROI reported in pre 2	2012 disclosures by EDBs	and do not represent	the Commission's curr	ent view on ROI.	

SCHEDULE 3: REPORT ON REGULATORY PROFIT

		Company Name	WEL Networks Limited
		For Year Ended	31 March 2015
SCH	IEDULE	3: REPORT ON REGULATORY PROFIT	
egula his i	tory profit i	uires information on the calculation of regulatory profit for the EDB for the disclosure year. All EDBs must complete all in Schedule 14 (Mandatory Explanatory Notes). is part of audited disclosure information (as defined in section 1.4 of the ID determination), and so is subject to the as	
7 ref	3(i): Re	egulatory Profit	(\$000)
8		Income	
9		Line charge revenue	96,87
0	plus	Gains / (losses) on asset disposals	(43
1		Other regulated income (other than gains / (losses) on asset disposals)	4,55
2			
3		Total regulatory income	100,99
1		Expenses	
5	less	Operational expenditure	17,85
5			
7	less	Pass-through and recoverable costs excluding financial incentives and wash-ups	31,53
8			
9		Operating surplus / (deficit)	51,59
,			
L	less	Total depreciation	19,24
2			
3	plus	Total revaluations	39
1			
5		Regulatory profit / (loss) before tax	32,75
5			
7	less	Term credit spread differential allowance	-
3			
9	less	Regulatory tax allowance	8,58
2			
L		Regulatory profit/(loss) including financial incentives and wash-ups	24,17
2			
3	3(ii): P	ass-through and Recoverable Costs excluding Financial Incentives and Wash-Ups	(\$000)
ı		Pass through costs	
5		Rates	370
5		Commerce Act levies	21
7		Industry levies	247
3		CPP specified pass through costs	659
9		Recoverable costs excluding financial incentives and wash-ups	
)		Electricity lines service charge payable to Transpower	24,342
1		Transpower new investment contract charges	2,607
2		System operator services	
3		Distributed generation allowance	3,289
1		Extended reserves allowance	-
5		Other recoverable costs excluding financial incentives and wash-ups	-
6 7		Pass-through and recoverable costs excluding financial incentives and wash-ups	31,53

48	3(iii): Incremer	tal Rolling Incentive Scheme	(:	\$000)
49			CY-1	СҮ
50			31 Mar 14	31 Mar 15
51	Allowed con	trollable opex		-
52	Actual contr	ollable opex	-	-
53				
54	Incremental	change in year		-
55				
				Previous years'
				incremental change
56			Previous years'	adjusted for
56 57	CY-5	31 Mar 10	incremental chang	e inflation
	CY-4	31 Mar 10 31 Mar 11		-
58 59	CY-4 CY-3	31 Mar 11 31 Mar 12		
60 61	CY-2 CY-1	31 Mar 13 31 Mar 14		-
62		al rolling incentive scheme		
63	Net increment	a rolling intentive scheme		
64	Not recoverab	le costs allowed under incremental rolling incentive scheme		
04	Net recoverab	le costs anowed under incremental ronning incentive scheme		
65	3(iv): Merger an	d Acquisition Expenditure		
70				(\$000)
66	Merger and	acquisition expenditure		-
67				
	Provide com	nentary on the benefits of merger and acquisition expenditure to the electricity distribution business, in	cludina reauired disclosures in accord	ance with section 2.7.
68		4 (Mandatory Explanatory Notes)		· · · · · · · · · · ·
	2/w) Other Direl			
69	3(v): Other Discl	usures		
70				(\$000)
71	Self-insuran	ce allowance		-

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

	: REPORT ON VALUE OF THE REGULATORY ASSET BASE				Company Name For Year Ended		Networks Limite 31 March 2015	ed
schedule requi	REPORT OF VALUE OF THE REGULATORY ASSET BASE res information on the calculation of the Regulatory Asset Base (RAB) value to the end of explanatory comment on the value of their RAB in Schedule 14 (Mandatory Explanatory	f this disclosure year. This informs the ROI calcu			of the ID determinat	tion), and so is subjec	t to the assurance rep	port required by
4(i): Re	gulatory Asset Base Value (Rolled Forward)		for year ended	RAB 31 Mar 11	RAB 31 Mar 12	RAB 31 Mar 13	RAB 31 Mar 14	RAB 31 Mar 15
	Total opening RAB value			(\$000) 352,551	(\$000) 400,162	(\$000) 422,169	(\$000) 459,970	(\$000) 475,61
less	Total depreciation			12,527	14,603	15,874	19,644	19,24
plus	Total revaluations			8,511	6,279	3,611	6,999	3
plus	Assets commissioned			52,248	30,527	51,554	32,341	30,6
less	Asset disposals			622	195	1,490	4,052	(
plus	Lost and found assets adjustment							
plus	Adjustment resulting from asset allocation							
	Total closing RAB value			400,162	422,169	459,970	475,614	486,
4(ii): Ur	nallocated Regulatory Asset Base				Unallocat		RAE	
	Total opening RAB value				(\$000)	(\$000) 475,614	(\$000)	(\$000) 475,1
	Total depreciation					19,241	Γ	19,
	Total revaluations					398	Ľ	
plus	Assets commissioned (other than below)				30,676		30,676	
	Assets acquired from a regulated supplier Assets acquired from a related party			-				
less	Assets commissioned			_		30,676	L	30,
	Asset disposals (other than below) Asset disposals to a regulated supplier			F	601		601	
	Asset disposals to a related party			E				
	Asset disposals					601		
	Lost and found assets adjustment				l	LI		
plus	Adjustment resulting from asset allocation						L	
	Total closing RAB value Ilocated RAB' is the total value of those assets used wholly or partially to provide electricit					486,846	Ξ	486,
4(iii): C	alculation of Revaluation Rate and Revaluation of Assets						F	
4(iii): C							F	1,
4(iii): C	CPI ₄ CPI ₄ ⁴				Unallocat	ed RAB *	RAE	1,
4(iii): C	CPI₁ CPI₁ ⁴ Revaluation rate (%)			Г	(\$000)	ed RAB * (\$000)	(\$000)	1, 0,
4(iii): C a less	CPI ₄ CPI ₄ ⁴			E				1, 0.1
less	CPI ₄ CPI ₄ ⁻⁴ Revaluation rate (%) Total opening RAB value			E	(\$000) 475,614		(\$000) 475,614	1, 0. 8 (\$000)
less	CPI4 CPI4 ⁻⁴ Revaluation rate (%) Total opening RAB value Opening value of fully depreciated, disposed and lost assets Total opening RAB value subject to revaluation			E	(\$000) 475,614 1,006	(\$000)	(\$000) 475,614 1,006	1, 0.(8 (\$000)
less	CPL, CPL, Pit, ⁴ Revaluation rate (%) Total opening RAB value Opening value of fully depreciated, disposed and lost assets Total opening RAB value subject to revaluation Total revaluations			E	(\$000) 475,614 1,006 474,608	(\$000)	(\$000) 475,614 1,006 474,608	1, 0. 8 (\$000)
/ess 4(iv): R	CPL, CPL, CPL, Revaluation rate (%) Total opening RAB value Opening value of fully depreciated, disposed and lost assets Total opening RAB value subject to revaluation Total revaluations OII Forward of Works Under Construction			[(\$000) 475,614 1,006 474,608	(\$000)	(\$000) 475,614 1,006 474,608 Allocated works un	1 0. 8 (\$000)
less 4(iv): R plus less	CPL, CPL, CPL, Pation CPL, Revaluation rate (%) Total opening RAB value Opening value of fully depreciated, disposed and lost assets Total opening RAB value subject to revaluation Total revaluations OII Forward of Works Under Construction Works under construction—preceding disclosure year Capital openditure Assets commissioned			E	(\$000) 475,614 1,006 474,608	(\$000)	(\$000) 475,614 1,006 474,608	1, 0. 8 (\$000)
less 4(iv): R less plus plus	CPL, CPL, CPL, PR-2012 Total opening RAB value Opening value of fully depreciated, disposed and lost assets Total opening RAB value subject to revaluation Total revaluations oll Forward of Works Under Construction Works under construction—preceding disclosure year Capital expenditure			E	(\$000) 475,614 1,006 474,608 Unallocated works 50,861	(\$000)	(\$000) 475,614 1,006 474,608 Allocated works un 50,861	1 0. 3 (\$000) der constructi 31
less 4(iv): R less plus plus	CPL, CPL, CPL, Pevaluation rate (%) Total opening RAB value Opening value of fully depreciated, disposed and lost assets Total opening RAB value subject to revaluation Total revaluations oll Forward of Works Under Construction Works under construction—preceding disclosure year Capital expenditure Assets commissioned Ajustment revaluing from asset allocation			E	(\$000) 475,614 1,006 474,608 Unallocated works 50,861	(\$000)	(\$000) 475,614 1,006 474,608 Allocated works un 50,861	1, 0) 8 (5000) der construction 31, 52,
less 4(iv): Ro plus plus	CP4, CP4, CP4, Revaluation rate (5) Total opening RAB value Opening rAB value Opening RAB value subject to revaluation Total revaluations OII Forward of Works Under Construction Works under construction—preceding discosure year Capital expenditure Assets commissioned Adjustmer revaluing from asset allocation Works under construction - current discosure year			E	(5000) 475,614 1,006 474,608 474,608 Unallocated works 50,861 30,676	(\$000)	(\$000) 475,614 1,005 474,608 474,608 474,608 50,861 30,676	1, 0, 3 (\$000) der construction 31, 52, 52, 5,
less 4(iv): Ro plus plus	CPL, CPL, CPL, CPL, CPL, CPL, CPL, CPL,			[(500) (475,614 2,006 (474,608 (474,608 (474,608 (50,861 30,676 (500)	(\$000)	(\$000) 475,614 1,005 474,608 474,608 474,608 474,608 474,608 474,608 474,608 474,608 474,608 474,608 474,608 475,614 476,608 474,60	1, 0, 0, 0, 0, 0,000) der construction der construction 31, 52, 5, 0, 5,0, 0,000
less 4(iv): Ro plus plus	CPL, CPL, CPL, CPL, CPL, CPL, CPL, CPL,			[(500) 475,514 1,006 474,608 Unallocated works 50,861 30,676 Unallocated works	(\$000)	(\$000) 475,614 1,006 474,608 Allocated works un 50,861 30,675	1, 01 8 (\$000) der construction 31, 52, 5,0
less 4(iv): R less plus 4(v): Re	CPL, CPL, CPL, CPL, CPL, CPL, CPL, CPL,				(500) 475,561 1,006 472,608 Unallocated works 50,861 30,676 Unallocat (500) 15,751	(\$000)	(\$00) 475,614 1.006 	3 (\$000) der constructic 31, 52, 54 (\$000)
less 4(iv): R less plus 4(v): Re	CPI, CPI, CPI, CPI, CPI, CPI, CPI CPI CPI CPI CPI CPI CPI CPI CPI CPI				(500) (30) (3	(\$000)	(\$000) 475,614 1,005 472,608 472,608 472,608 472,608 472,608 472,608 472,608 472,608 472,618 30,676 50,861 30,676 15,751 3,490 475,751 475,7551 475,7557 475,7557 475,7557 475,7557 475,7557 475,7557 475,7557 475,7557 475,7557 475,75577 475,75577 475,75577 475,75777 475,757	3 (\$000) der constructio 31, 52, 51 (\$000)
less 4(iv): R less plus 4(v): Re	CPL, CPL, CPL, CPL, CPL, CPL, CPL, CPL,			Ē	(500) (30) (3	(\$000) under construction 31,005 52,090 ed RAB * (\$000) 19,241 unless otherwise spece	(\$000) 475,614 1,006 476,608 4774,608 50,861 30,675 50,861 30,675 (500) 6 8 8 8 8 8 8 1 1 1 1 1 1 1 1 1 1 1 1 1	1. 0) 8 (\$000) der construction 31, 52, 53 (\$000)
less 4(iv): R less plus 4(v): Re	Print Option Option				(5000) 475,5614 1,006 	(\$000) Under construction 31,005 S2,000 ed RAB* (\$000) 19,241 unless otherwise spector Depreciation charge for the	(\$000) 475,614 1,006 476,608 477,608 50,861 30,675 50,861 30,675 (\$000) (\$000) 50,861 30,675 (\$000) 1,055 1,056 (\$000) 1,056 1,057	1, 0,4 8 (\$000) der construction 31, 52, 5,4 8 (\$000) 19, (\$000)
less 4(iv): R less plus 4(v): Re	CPI, CPI, CPI, CPI, CPI, CPI, CPI CPI CPI CPI CPI CPI CPI CPI CPI CPI		ason for non-standard	E E I depredation (text ent	(5000) 475,5614 1,006 	(\$000) under construction 31,005 52,090 ed RAB * (\$000) 19,241 unless otherwise spec Depreciation	(\$000) 475,614 1,005 472,608 472,608 472,608 472,608 472,608 472,608 472,608 472,608 472,608 472,608 472,614 472,614 472,614 472,614 472,614 472,614 472,614 472,614 472,614 472,614 472,614 472,614 472,618 472,60	1, 0,4 8 (\$000) der construction 31, 52, 5,4 8 (\$000) 19, (\$000)
less 4(iv): R plus plus 4(v): Re	Print Option Option		ason for non-standars		(5000) 475,5614 1,006 	(\$000) Under construction 31,005 S2,000 ed RAB* (\$000) 19,241 unless otherwise spector Depreciation charge for the	(\$000) 475,614 1,006 476,608 477,608 50,861 30,675 50,861 30,675 (\$000) (\$000) 50,861 30,675 (\$000) 1,055 1,056 (\$000) 1,056 1,057	1, 0,4 8 (\$000) der construction 31, 52, 5,4 8 (\$000) 19, (\$000)
less 4(iv): R less plus 4(v): Re	Print Option Option	Re 	ason for non-standar		(5000) 475,5614 1,006 	(\$000) Under construction 31,005 S2,000 ed RAB* (\$000) 19,241 unless otherwise spector Depreciation charge for the	(\$000) 475,614 1,006 476,608 477,608 50,861 30,675 50,861 30,675 (\$000) (\$000) 50,861 30,675 (\$000) 1,055 1,056 (\$000) 1,056 1,057	1, 0,4 8 (\$000) der construction 31, 52, 5,4 8 (\$000) 19, (\$000)
less 4(iv): R less plus 4(v): Re	Print Option Option		ason for non-standari		(5000) 475,5614 1,006 	(\$000) Under construction 31,005 S2,000 ed RAB* (\$000) 19,241 unless otherwise spector Depreciation charge for the	(\$000) 475,614 1,006 476,608 477,608 50,861 30,675 50,861 30,675 (\$000) (\$000) 50,861 30,675 (\$000) 1,055 1,056 (\$000) 1,056 1,057	(\$000)

96	4(vii): Disclosure by Asset Category										
97						(\$000 unless oth					
		Subtransmission	Subtransmission		Distribution and LV	Distribution and LV	Distribution substations and	Distribution	Other network	Non-network	
98		lines	cables	Zone substations	lines	cables	transformers	switchgear	assets	assets	Total
99	Total opening RAB value	22,054	54,700	69,880	93,160	118,965	53,172	19,897	17,935	25,850	475,614
100	less Total depreciation	542	1,350	2,386	3,226	5,070	1,324	844	1,008	3,490	19,241
101	plus Total revaluations	18	46	58	78	100	45	17	15	21	398
102	plus Assets commissioned	275	723	369	4,282	8,191	3,260	2,463	438	10,676	30,676
103	less Asset disposals					80				521	601
104	plus Lost and found assets adjustment										-
105	plus Adjustment resulting from asset allocation										-
106	plus Asset category transfers										-
107	Total closing RAB value	21,805	54,118	67,922	94,294	122,106	55,153	21,533	17,379	32,536	486,846
108											
109	Asset Life										
110	Weighted average remaining asset life	44.7	44.4	34.2	37.4	37.8	33.2	33.1	11.3	16.9	(years)
111	Weighted average expected total asset life	59.2	53.1	43.9	57.0	52.7	46.5	41.0	14.8	19.7	(years)

SCHEDULE 5A: REPORT ON REGULATORY TAX ALLOWANCE

		Company Name	WEL Networks Limited
		For Year Ended	31 March 2015
SCH	HEDULE 5a	a: REPORT ON REGULATORY TAX ALLOWANCE	
EDBs	must provide e	es information on the calculation of the regulatory tax allowance. This information is used to calculate regulatory xplanatory commentary on the information disclosed in this schedule, in Schedule 14 (Mandatory Explanatory Not part of audited disclosure information (as defined in section 1.4 of the ID determination), and so is subject to the a	tes).
h ref			
7	5a(i): Re	egulatory Tax Allowance	(\$000)
8	F	Regulatory profit / (loss) before tax	32,755
9			
10	plus	Income not included in regulatory profit / (loss) before tax but taxable	2,315 *
11		Expenditure or loss in regulatory profit / (loss) before tax but not deductible	325 *
12		Amortisation of initial differences in asset values	7,095
13		Amortisation of revaluations	1,764
14			11,499
15		Table sector for	
16	less	Total revaluations	398
17		Income included in regulatory profit / (loss) before tax but not taxable	32 *
18		Discretionary discounts and customer rebates	748
19		Expenditure or loss deductible but not in regulatory profit / (loss) before tax	*
20		Notional deductible interest	12,431
21			13,609
22 23		Regulatory taxable income	30,645
23 24			
25	less	Utilised tax losses	_
26		Regulatory net taxable income	30.645
27			50,615
28		Corporate tax rate (%)	28%
29	F	Regulatory tax allowance	8,581
30			
31	* Workin	gs to be provided in Schedule 14	
32	5a(ii): D	isclosure of Permanent Differences	
33		In Schedule 14, Box 5, provide descriptions and workings of items recorded in the asterisked categories in Sched	lule 5a(i).
34	5a(iii): A	Amortisation of Initial Difference in Asset Values	(\$000)
35			
36		Opening unamortised initial differences in asset values	134,814
37	less	Amortisation of initial differences in asset values	7,095
38	plus	Adjustment for unamortised initial differences in assets acquired	_
39	less	Adjustment for unamortised initial differences in assets disposed	4
40		Closing unamortised initial differences in asset values	127,714
41			
42		Opening weighted average remaining useful life of relevant assets (years)	19

44	5a(iv): A	mortisation of Revaluations	(\$000)
45 46		Opening sum of RAB values without revaluations	446,658
47			440,000
48		Adjusted depreciation	17,477
49		Total depreciation	19,241
50 51		Amortisation of revaluations	1,764
52	5a(v): R	econciliation of Tax Losses	(\$000)
53			
54	(Opening tax losses	
55	plus	Current period tax losses	_
56	less	Utilised tax losses	-
57		losing tax losses	
58	5a(vi): C	alculation of Deferred Tax Balance	(\$000)
59 60		having deferred the	(17,505)
60 61)pening deferred tax	(17,505)
62	plus	Tax effect of adjusted depreciation	4,893
63			
64	less	Tax effect of tax depreciation	7,495
65			
66 67	plus	Tax effect of other temporary differences*	
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 73	less	Deferred tax balance relating to assets disposed in the disclosure year	(54)
73	plus	Deferred tax cost allocation adjustment	0
75	pius		
76		losing deferred tax	(22,038)
77	52/1/11).	Disclosure of Temporary Differences	
78	5a(VII):	Disclosure of relipoidly Differences	
79 80		In Schedule 14, Box 6, provide descriptions and workings of items recorded in the asterisked category in Schedule 5a(vi)	(Tax effect of other temporary differences).
81	5a(viii):	Regulatory Tax Asset Base Roll-Forward	
82			(\$000)
83		Opening sum of regulatory tax asset values	248,825
84	less	Tax depreciation	26,767
85 86	plus	Regulatory tax asset value of assets commissioned	30,021
86 87	less	Regulatory tax asset value of asset disposals	1,423
	plus	Lost and found assets adjustment	
88 89	plus plus	Adjustment resulting from asset allocation Other adjustments to the RAB tax value	
90		losing sum of regulatory tax asset values	250,657
50			233,057

SCHEDULE 5B: REPORT ON RELATED PARTY TRANSACTIONS

		Company Name	\A/EL I	Networks Limited
		F		1 March 2015
		For Year Ended	3	1 March 2013
	HEDULE 5b: REPORT ON RELATED PARTY TRAI		ID determination	
	s schedule provides information on the valuation of related party transac s information is part of audited disclosure information (as defined in sec			on 2.8.
		,,,,,,,	,,	
sch re	f			
7	5b(i): Summary—Related Party Transactions	г	(\$000)	
8	Total regulatory income	-	-	
9 10	Operational expenditure Capital expenditure	-		
11	Market value of asset disposals	-		
12	Other related party transactions		-	
13	5b(ii): Entities Involved in Related Party Transac	tions		
14	Name of related party		Related party relationship	
15				
16				
17				
18				
19				
20				
	* include additional rows if needed			
21	5b(iii): Related Party Transactions			
21				
21			Value of	
21	5b(iii): Related Party Transactions	ated party	transaction	
22	5b(iii): Related Party Transactions	ated party action type Description of transactio	transaction	Basis for determining value
22 23	5b(iii): Related Party Transactions		transaction	Basis for determining value
22 23 24	5b(iii): Related Party Transactions		transaction	Basis for determining value
22 23 24 25	5b(iii): Related Party Transactions		transaction	Basis for determining value
22 23 24 25 26	5b(iii): Related Party Transactions		transaction	Basis for determining value
22 23 24 25	5b(iii): Related Party Transactions		transaction	Basis for determining value
22 23 24 25 26 27	5b(iii): Related Party Transactions		transaction	Basis for determining value
22 23 24 25 26 27 28	5b(iii): Related Party Transactions		transaction	Basis for determining value
22 23 24 25 26 27 28 29 30 31	5b(iii): Related Party Transactions		transaction	Basis for determining value
22 23 24 25 26 27 28 29 30 31 32	5b(iii): Related Party Transactions		transaction	Basis for determining value
22 23 24 25 26 27 28 29 30 31 32 33	5b(iii): Related Party Transactions		transaction	Basis for determining value
22 23 24 25 26 27 28 29 30 31 32 33 33 34	5b(iii): Related Party Transactions		transaction	Basis for determining value
22 23 24 25 26 27 28 29 30 31 32 33 34 35	5b(iii): Related Party Transactions		transaction	Basis for determining value
22 23 24 25 26 27 28 29 30 31 32 33 34 35 36	5b(iii): Related Party Transactions		transaction	Basis for determining value
22 23 24 25 26 27 28 29 30 31 32 33 34 35	5b(iii): Related Party Transactions		transaction	Basis for determining value

SCHEDULE 5C: REPORT ON TERM CREDIT SPREAD DIFFERENTIAL ALLOWANCE

I											
I								Company Name	WE	L Networks Limit	ted
I								For Year Ended		31 March 2015	
I	~~			-							
I		CHEDULE 5C: REPORT ON TERM CREDIT SPREAD DIFFERENTIAL ALLOWANCE									
I		is schedule is only to be completed if, as at the date of the most recently published financial statements, the weighted average original tenor of the debt portfolio (both qualifying debt and non-qualifying debt) is greater than five years.									
I	Inis i	his 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.									
4	ich ref	ref									
	7	7									
	8	5c(i): Qualifying Debt (may be Commission only)									
	9	2									
1					Original tenor (in		Book value at issue	Book value at date of financial	Term Credit Spread	Cost of executing an interest rate	Debt issue cost
	10	3 Issuing party	Issue date	Pricing date	vears)	Coupon rate (%)	date (NZD)	statements (NZD)	Difference	swap	readiustment
	11				102.01			,			
	12										
	13										
1	14	1									
	15	5									
	16	* include additional rows if needed						-	-	-	-
1	17										
	18	5c(ii): Attribution of Term Credit Spread Differential									
	19	9		-							
1	20	Gross term credit spread differential			-						
	21	1	_								
	22	? Total book value of interest bearing debt									
	23	3 Leverage	L	44%							
	24	Average opening and closing RAB values									
	25				-						
	26										
	27	7 Term credit spread differential allowance			-						
н											

SCHEDULE 5D: REPORT ON COST ALLOCATIONS

						Company Name For Year Ended		L Networks Limi 31 March 2015	ted
This	HEDULE 5d: REPORT ON COST ALLOCATI schedule provides information on the allocation of operational information is part of audited disclosure information (as defin	I costs. EDBs must provi					ncluding on the impac	t of any reclassificat	ions.
sch re	5d(i): Operating Cost Allocations								
8	Sully, operating cost Anotations					Value alloca	ted (\$000s)		
9	Comics interventions and emergensiss				Arm's length deduction	Electricity distribution services	Non-electricity distribution services	Total	OVABAA allocation increase (\$000s)
10 11	Service interruptions and emergencies Directly attributable					2,505			
12	Not directly attributable							-	
13 14	Total attributable to regulated service Vegetation management					2,505			
15	Directly attributable					1,088			
16 17	Not directly attributable Total attributable to regulated service					1,088	I		
18	Routine and corrective maintenance and	inspection							
19	Directly attributable					2,574			
20 21	Not directly attributable Total attributable to regulated service					2,574	I		
22	Asset replacement and renewal								
23	Directly attributable					1,160			
24 25	Not directly attributable Total attributable to regulated service					1,160		-	
26	System operations and network support								
27	Directly attributable				-	3,724			
28 29	Not directly attributable Total attributable to regulated service				L	3,724			
30	Business support								
31 32	Directly attributable Not directly attributable					6,806	2,113	8,919	
33	Total attributable to regulated service					6,806	2,113	0,919	
34 35	Operating costs directly attributable					11,052			
36	Operating costs not directly attributable				-	6,806	2,113	8,919	-
37	Operational expenditure					17,858			
38 39	5d(ii): Other Cost Allocations								
40	Pass through and recoverable costs					(\$000)			
41	Pass through costs								
42 43	Directly attributable Not directly attributable					1,297			
45	Total attributable to regulated service					1,297			
45	Recoverable costs								
46 47	Directly attributable Not directly attributable					30,238			
48	Total attributable to regulated service					30,238			
49	Ed(iii): Changes in Cost Allocations* t								
50 51	5d(iii): Changes in Cost Allocations* †						(\$00	10)	
52	Change in cost allocation 1						CY-1	Current Year (CY)	
53 54	Cost category Original allocator or line items					Original allocation New allocation			
55	New allocator or line items					Difference	-	-	
56 57	Rationale for change								
58	0-								
59 60							(\$00	10)	
61	Change in cost allocation 2			_			CY-1	Current Year (CY)	
62	Cost category			-		Original allocation			
63 64	Original allocator or line items New allocator or line items					New allocation Difference	-	-	
65									
66 67	Rationale for change								
68									
69 70	Change in cost allocation 3						(\$00 CY-1	0) Current Year (CY)	
71	Cost category					Original allocation		(er)	
72 73	Original allocator or line items New allocator or line items			-		New allocation Difference	_		
74	New anotator of fille items					Smerence	-		
75 76	Rationale for change								
77									
78 79	* a change in cost allocation must be completed for each cost † include additional rows if needed	t allocator change that ha	is occurred in the disclosure ye	ar. A movement in an all	locator metric is not a c	hange in allocator or co.	nponent.		

SCHEDULE 5E: REPORT ON ASSET ALLOCATIONS

			Company Name	WE	L Networks L	
			For Year Ended		31 March 20)15
	EDULE 5e: REPORT ON ASSET ALLOCA					
	schedule requires information on the allocation of asset value must provide explanatory comment on their cost allocation in			es in asset allocations. Th	is information i	s part of audited disclosu
	mation (as defined in section 1.4 of the ID determination), and			es masser anocations. n	13 1110111810111	s part of addited disclose
f						
	5e(i): Regulated Service Asset Values					
				Value allocated (\$000s)		
				Electricity distribution		
	Subtransmission lines			services		
	Directly attributable]	21,805		
	Not directly attributable			-		
	Total attributable to regulated service		[21,805		
	Subtransmission cables		r			
	Directly attributable Not directly attributable			54,118		
	Total attributable to regulated service			54,118		
	Zone substations					
	Directly attributable		[67,922		
	Not directly attributable			-		
	Total attributable to regulated service			67,922		
	Distribution and LV lines Directly attributable			89,994		
	Not directly attributable			4,300		
	Total attributable to regulated service			94,294		
	Distribution and LV cables		, in the second s			
	Directly attributable Not directly attributable			122,106		
	Total attributable to regulated service			122,106		
	Distribution substations and transformer	S				
	Directly attributable		l l l l l l l l l l l l l l l l l l l	55,153		
	Not directly attributable			-		
	Total attributable to regulated service Distribution switchgear		l	55,153		
	Directly attributable]	21,533		
	Not directly attributable			-		
	Total attributable to regulated service		l	21,533		
	Other network assets		Г			
	Directly attributable Not directly attributable		-	17,379		
	Total attributable to regulated service			17,379		
	Non-network assets					
	Directly attributable			32,536		
	Not directly attributable Total attributable to regulated service			32,536		
	Total attributable to regulated service		L	52,550		
	Regulated service asset value directly attributable			482,546		
	Regulated service asset value not directly attributa	ile		4,300		
	Total closing RAB value		L	486,846		
	5e(ii): Changes in Asset Allocations* †					
	Change in asset value allocation 1				CY-1	(\$000) Current Year (CY)
	Asset category			Original allocation	01-1	Current rear (CT)
	Original allocator or line items			New allocation		
	New allocator or line items			Difference	-	·
	Rationale for change					
	Change in asset value allocation 2				CY-1	(\$000) Current Year (CY)
	Asset category			Original allocation	01-1	
	Original allocator or line items			New allocation		
	New allocator or line items			Difference	-	
	Rationale for change					
	in the second					
						(\$000)
	Change in asset value allocation 3 Asset category			Original allocation	CY-1	Current Year (CY)
	Original allocator or line items			New allocation		
	New allocator or line items			Difference	-	
	Rationale for change					
	Recordie for change					
	* a change in asset allocation must be completed for each all	ocator or component change that has occurred in the	e disclosure year. A movement in a	an allocator metric is not a	change in alloca	tor or component.
Г	t change in asset anecation must be completed for each on t include additional rows if needed	,	, , , , , , , , , , , , , , , , , , , ,			,

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

System grout 1 Aster decators 1 Aster decators 1 Chilly of supply 1,227 Chilly of supply 1,237 Other reliability, safey and environment 1,641 Dependence on two reliability, safey and environment 1,640 Dependence on two reliability, safey and environment 1,6400 Dependenci stransplate, contructuren		Company Name	WEL Networks Limited
s standard ender a set in indexed a set in indexed and a set in indexed and a set in indexed and a set in indexed a set indexed a se		For Year Ended	31 March 2015
billing states and encode states and encode	CHEDULE	6a: REPORT ON CAPITAL EXPENDITURE FOR THE DISCLOSURE YEAR	
ht mot provider seglender seglender voor seglender in section 1.2 of the 10 determination, and so 1.3 subject to the assummer response of the yester 2.2. 56(i): Expenditure on Assets 9909 (9909) (2009			
submatcher is par of hadded disclassion information (as defined in action 12 of the 10 distance action), and a set is adjust to the subject t			xclude finance costs.
Sol(1): Expenditure on Assets 15000 10000 Consume convertions 1000 Relation (): sole or and environment: 1000 Relation (): sole o			ance report required by section 2.8.
6c(i): Expenditure on Assets (500) (500) Selem profit Asset replacement and remeal 11 Asset replacement and remeal 11 11 Asset replacement and remeal 11 11 Asset replacement and remeal 11 11 Asset replacement 11 11 Asset replacement 11 11 Other reliability, safety and environment 11 11 Family from the asset 11 11 Expenditure on newn the same 11 11 Other reliability, safety and environment 11 11 Expenditure on assets 11 11 11 Optimizer on assets 11 11 11 Optimizer on assets 11 11 11 11 Optimizer on assets 11	5 11101111010		
6c(i): Expenditure on Assets (500) (500) Selem profit Asset replacement and remeal 11 Asset replacement and remeal 11 11 Asset replacement and remeal 11 11 Asset replacement and remeal 11 11 Asset replacement 11 11 Asset replacement 11 11 Other reliability, safety and environment 11 11 Family from the asset 11 11 Expenditure on newn the same 11 11 Other reliability, safety and environment 11 11 Expenditure on assets 11 11 11 Optimizer on assets 11 11 11 Optimizer on assets 11 11 11 11 Optimizer on assets 11			
a construction construction 1 a set replacement and remeal 1 A set replacement and remeal and remea	₽f		
a construction construction 1 a set replacement and remeal 1 A set replacement and remeal and remea			<i></i>
system provide 11 Asstrictionstorm 11 Asstrictionstorm 11 Asstrictionstorm 11 Case May of Supply 11 upper late and regulatory 11 Case May of Supply 11 Upper late and regulatory 11 Case May of Supply 11 Upper late and regulatory 11 Case May of Supply 11 Upper late and regulatory 11 Case May of Supply 11 Upper late and regulatory 11 Capital segmenthure 25 Capital segmenthure 250 Capital segmenthure	6a(i):		(\$000) (\$000)
A set registered and entered in a set of enter			13,7
Activity of tagpity Light lateral and environment: Description on non-reflorability, safety and environment Description on non-reflorability, safety and environment Description on non-reflorability safety and environment prior (non-reflorability safety and environment) Description on non-reflorability safety and environment Prior (non-reflorability safety and environment) Description on non-reflorability safety and environment Description of an			18,44
Bitability, sife quadram 1.227 1.251 Bitability, sife quadram 1.251 1.251 Other relability, sife quadram 1.251 1.251 Dependence on network nases 1.251 1.251 Dependence on network nases 1.251 1.251 September on network nases 1.251 1.251 Dependence on network nases 1.251 1.251 September on network nases 1.251 1.251 <tr< td=""><td></td><td></td><td>11,8</td></tr<>			11,8
Surfly of supply 1.322 1.551 Unitity of supply 1.322 1.551 Other reliability, safey and environment 1.451 Dependiture on new other starts 1.451 Part Control Research 1.451 Part Part Part Part Part Part Part Part			1,64
ingulative and replacing induced in the sector of the sect			
Other reliability, safety and environment 3,951 Trad reliability, safety and environment 3,951 Dependence on network sessis 4,63 Expendence on sessit 4,63 Pier Soft of financing 5,64 Section of financing 5,64 Feer Visite of spatial contributions 4,64 Soft of spatial contributions 5,64 Soft of spatial contributions			
Total reliability, and you of any oncent 3 Dependiture on non-released sates. 3 Dependiture on non-released sates. 3 Pile Cost of financing 3 Res Value of capital contributions 3 Pile Cost of financing 3 Res Value of capital contributions 3 Pile Cost of financing 3 Res Value of capital contributions 3 Copital expenditure on access of the cost o			
Expenditure on starts 4 Expenditure on starts 5 Pix Cost of financing 5 Expenditure on starts 5 Pix Value of vested assets 5 Cost of financing 5 5 Expenditure on starts 5 5 Cost of financing 5 5 Expenditure on starts 5 5 Cost of financing 5 5 Solid Subcomponents of Dependiture on Assets (where known) 5 5 Cost of vested as sets 5 5 5 Overhad to undergound conversion 5			3,65
¹ -perditure on non-introvic sasts ¹ -perditure on non-introvic sasts ¹ -specific constant on the same same same same same same same sam			49,3
Production on sasts 55 Prix Control financing 56 State of captal contributions 56 State of value of vector assets 56 State of vector assets <td< td=""><td></td><td></td><td>49,3</td></td<>			49,3
pipe Script financing 4 Max Value of upplic contributions 4 pipe Value of vector assets 5 GG(ii): Subcomponents of Expenditure on Assets (where known) 6900 Descript of expenditure on assets (where known) 6900 Descript of expenditure on assets (where known) 5 GG(ii): Subcomponents of Expenditure on Assets (where known) 5 Descript of expenditure on assets (where known) 5 Set of expenditure in the set of expenditure on assets (where known) 5 Set of expenditure in the set of expenditure in		Experience on non-network daacta	5,31
pipe Script financing 4 Max Value of upplic contributions 4 pipe Value of vector assets 5 GG(ii): Subcomponents of Expenditure on Assets (where known) 6900 Descript of expenditure on assets (where known) 6900 Descript of expenditure on assets (where known) 5 GG(ii): Subcomponents of Expenditure on Assets (where known) 5 Descript of expenditure on assets (where known) 5 Set of expenditure in the set of expenditure on assets (where known) 5 Set of expenditure in the set of expenditure in		Expenditure on assets	54,63
test Value of capital contributions 4 gibt Value of value assets 5 Ga(ii): Subcomponents of Expenditure on Assets (where known) 60000 Emerge efficiency and demand side management, reduction of energy losse 5 Ga(iii): Subcomponents 5000 Ga(iii): Consumer Connection 5000 generative provide the outle group of the second	plus		6
plus Value of vested assets 55 Capital expenditure 55 Capital expenditure on Assets (where known) 60000 Corrbert on undrage que d'onversion 55 Reservich and development 55 Cafilit): Consumer Connection 5000 Carsamer Spreadford by (DB* 5500 State Bod Spreadford by (DB* 5200 State Bod Spreadford Bow (Los (1501) 5210 State Bod Spreadford Bow (1503) 5210 State Bod Bow (1500) 5210 State Bod Bow (1500) 5210			4,4
Capital asgenditure 500 Ge(ii): Subcomponents of Expenditure on Assets (where known) (5000) Dergy efficiency and demand side management, reduction of energy losses (21) Outends to undergound conversion (5000) Reset and ad development (5000) Softial: Consumer Connection (5000) Consumer (page signed by LDB************************************			-
6a(ii): Subcomponents of Expenditure on Assets (where known) (5000) Bergy efficiency and demand side management, reduction of energy losses (5000) Overhead to undergound convestion (5000) Sector of the distance of the sector of the regy losses (5000) Consumer Connection (5000) Description Loss Vert (1130) (5000) Descrevert (1130) (5000)			
City, J. Energy efficiency and demands side management, reduction of energy losses Orchhead to underground conversion Consume trapse defined by CD* Consume trapse defined by CD* (5000) Sea (III): Consumer Connection (5000) Consume trapse defined by CD* (5000) Sea (III): Consumer Connection (5000) Consume trapse defined by CD* (5000) Sea (III): Consumer Connection (5000) Consume trapse defined by CD* (5000) Sea (III): Consumer Connection (5000) Sea (III): Consumer Connection (Sea (IIII)) (5000) Sea (III): Consumer Connection (Sea (IIII)) (5000) Sea (IIII): Consumer Connection expenditure (5000) Consumer connection expenditure (5000) Consumer connection expenditure (5000) South antinision (5000) Zone substations (5000) Zone substations (5000) Distribution subtraformers (5000) </td <td></td> <td>Capital expenditure</td> <td>50,8</td>		Capital expenditure	50,8
Theregy efficiency and demand side management, reduction of energy losses 1 Derblead to underground conversion 0 Reserved and development 0 Seaf(iii): Consumer Connection 0000 Consumer types defined by CD* 0000 Seaf(iii): Consumer Connection 0000 Seaf(iii): Consumer types defined by CD* 0000 Seaf(iii): Consumer connection expenditure 0000 Consumer connection expenditure 0000 Consumer connection expenditure 0000 Subtransition 0000 Zone subtations 0000 Subtransition 0000 Zone subtations 0000 Subtransition 0000 Zone subtations 0000 Subtransitions 0			
Overhead to underground conversion Reserve and development 66(iii): Consumer Connection Preference defined by E00 ^o <t< td=""><td>6a(ii)</td><td>Subcomponents of Expenditure on Assets (where known)</td><td>(\$000)</td></t<>	6a(ii)	Subcomponents of Expenditure on Assets (where known)	(\$000)
Research and development (5000) (5000) Painter types defined by CBP* (210) (210) Painter types defined by CBP* (210) (210) <t< td=""><td></td><td></td><td>5,7</td></t<>			5,7
6a(iii): Consumer Connection (500) (500) Image: Consumer Connection Consumer Connection expenditure (500) (500) Image: Consumer Connection Consumer Connection expenditure (500) (500) Consumer Connection Consumer Connection expenditure (500) (500) Consumer Connection Constructions (500) (500) (500) Subtransmission (500) (500) (500) (500) (500) Subtransmission (500)			56
consumer types defined by LB* (5000) (5000) finite definitial Subsect (1350) 1.25 finite definitial Subsect (1250) 2.12 Simil Scale DG Subsect (1251) 2.25 Simil Scale DG Subsect (1250) 2.21 Subsect (1250) 2.21		Research and development	
consumer types defined by LB* (5000) (5000) finite definitial Subsect (1350) 1.25 finite definitial Subsect (1250) 2.12 Simil Scale DG Subsect (1251) 2.25 Simil Scale DG Subsect (1250) 2.21 Subsect (1250) 2.21	C-(!!!	h Canaunan Canaastian	
fersidential low durit (153) 1.259 finall Butiness (1200) 3.122 finall Sciel OS (and User (125))	ba(iii		(\$000) (\$000)
Image: standard User (1250) 5,547 Standard User (1250) 2,172 Imail Scale CO Low (re (1250) 2,25 Imail Scale CO Low (re (1250) 2,2167 Imail Scale CO Low (re (1250) 2,2167 <			
Imail Basiness (1200) 3,172 Small State DG Low User (1250)			
Small Scale DG tow User (1250) - Streetlighting (1293) - Medium Voltage (111V) (1354) - Medium Voltage (101V) (1350) - Streetlighting (1293) - Medium Voltage (111V) (1354) - Medium Voltage (111V) (1350) - Streetlighting (1293) - Medium Voltage (111V) (1350) - Medium Voltage (111V) (1110V) - Motor Participation substreet Participation - Distribution subtreet Pareferent and			
Small Scale D0 Standard User (1251) 25 Streetlighting (1293) 144 Upp Voltage (330) (1357)			_
Strettlight (123) 144 Medium Workage (114V) (1351) Gew Vorkage (400V) (1350) Other Unwetter (1150) Sternal Embedded Networks (1651) 688 Assett Specific Customer Andude dditional rows (Inceded Consumer connection expenditure Consumer connection expenditure Consumer connection espenditure System growth and asset replacement and renewal Distribution and Vilnes Distribution subtations subtations und transformers Distribution subtations subtations and transformers System growth and asset replacement and renewal </td <td></td> <td></td> <td>25</td>			25
indedum Voltage (115V) (1350) 722 ingle Voltage (01V) (1360) 2,167 Other Voltage (01V) (1360) 2,167 Other Voltage (01V) (1360) Stational Embedded Networks (1551) Asset Specific Customer * Include additional rows if needed Consumer connection expenditure Subtransmission Subtransmission Distribution and VI cables Distribution and VI cables <			
		Medium Voltage (11kV) (1354)	722
Sther Unmetered (1450) - External Intendeded Networks (1651) - Asset Specific Costomer - * include additional rows if needed - Consumer connection expenditure 2.618 Consumer connection less capital contributions 11 Asset Replace 2.618 Consumer connection less capital contributions 11 Subtransmission - Zone substations - Distribution and U cables - Distribution substations funding system growth and asset replacement and renewal - System Sorth and asset replacement and renewal expenditure - Capital contributions funding system growth and asset replacement and renewal - System growth and asset replacement and renewal expenditure 18,441 tess Capital contributions funding System growth and asset replacement and renewal - System growth and asset replacement and renewal - System growth and asset replacement and renewal - System growth and asset rep		High Voltage (33kV) (1357)	_
istemal Embedded Networks (1651) 688 Lasset Specific Customer 50 * Include additional rows if needed 13 Consumer connection expenditure 2,618 Consumer connection sequenditure 2,618 Consumer connection sequenditure 11 Asset Replacement and Renewal Asset Replacement and Renewal Subtrasmission 1,225 Zone substations 1,225 Distribution and IV lines 1,325 Distribution and V cables 6,332 Distribution subtations and transformers 6,346 Distribution subtations subtations formers 6,346 Distribution subtations subtations formers 18,221 Even growth and asset replacement and renewal expenditure 18,441 Less Capital contributions System growth and asset replacement and renewal escapital contributions 18,222 Distribution and Vinengengengengengengengengengengengengeng		Low Voltage (400V) (1360)	2,167
Asset Specific Customer 50 *indude additional rows if needed 11 Less Capital contributions funding consumer connection expenditure 2,613 Consumer connection less capital contributions 11 Ga(iv): System Growth and Asset Replacement and Renewal Asset Replace Subtransmission 1.025 Zone substations 7,590 Distribution and IV lines 1.460 Distribution and Vilnes 6.325 Distribution and Vilnes 6.345 Distribution substations and transformers 480 Distribution and Vilnes 6.345 System growth and asset replacement and renewal expenditure 18,441 Less Capital contributions studing system growth and asset replacement and renewal System growth and asset replacement and renewal expenditure 18,441 Less Capital contributions funding system growth and asset replacement and renewal 500 System growth and asset replacement and renewal expenditure 5000 5000 Less Capital contributions funding system growth and asset replacement and renewal 500 5000 Indergrounding 50 501 50 501 50		Other Unmetered (1450)	_
* include additional rows if needed 1 Consumer connection expenditure 2,613 Consumer connection less capital contributions 11 design connection less capital contributions 11 def(iv): System Growth and Asset Replacement and Renewal Asset Replace Subtransmission 2,590 Zone substations 1,663 Distribution and LV lines 1,663 Distribution subtations and transformers 480 Distribution subtations and transformers 480 Distribution subtations funding system growth and asset replacement and renewal 2,30 System growth and asset replacement and renewal less capital contributions 1,8,441 less Capital contributions funding system growth and asset replacement and renewal 2,30 System growth and asset replacement and renewal less capital contributions 1,8,441 11 fead(v): Asset Relocations 1,080 5,132 13 Project or programme* (\$000) (\$000) (\$000) Indeg counding 5,120 13 13 indeg counding 5,120 13 13 indeg counding 5,120 13 13		External Embedded Networks (1651)	688
Consumer connection expenditure 13 less Capital contributions funding consumer connection expenditure 2,618 Consumer connection less capital contributions 11 6a(iv): System Growth and Asset Replacement and Renewal Asset Replace Subtransmission 1,925 Zone substations 7,590 Distribution and IV cables 6,345 Distribution and IV cables 6,345 Distribution subtations and transformers 6,345 Other network assets 6,345 System growth and asset replacement and renewal expenditure 18,441 ets Capital contributions funding system growth and asset replacement and renewal 230 System growth and asset replacement and renewal expenditure 18,441 11 itess Capital contributions funding system growth and asset replacement and renewal 230 11 System growth and asset replacement and renewal 230 11 12 11 felocations 1,021 11 12 11 indergrounding 512 512 11 12 11 indergrounding 512 512 512 512 12 </td <td></td> <td></td> <td>50</td>			50
less Capital contributions funding consumer connection expenditure 2,618 Consumer connection less capital contributions 11 6a(iv): System Growth and Asset Replacement and Renewal Asset Replace Subtransmission 1,925 Consumer connection and Vilnes 1,469 Distribution and UV lines 1,469 Distribution and UV lines 480 Distribution and UV lines 632 Distribution substations and transformers 480 Distribution substations and transformers 6,345 System growth and asset replacement and renewal 230 System growth and asset replacement and renewal 230 System growth and asset replacement and renewal less capital contributions 18,441 131 Less Capital contributions funding system growth and asset replacement and renewal 230 132 System growth and asset replacement and renewal less capital contributions 18,212 131 Asset Relocations 1,080 1,080 1,080 System drowth ing asset replacement 1,080 1,080 1,080 1,080 System drowth growth and asset replacement 1,080 1,080 1,080 1,080			
Consumer connection less capital contributions 11 6a(iv): System Growth and Asset Replacement and Renewal Asset Replace Subtransmission 1925 Zone substations 7,500 Distribution and IV rables 1469 Distribution substations and transformers 480 System growth and asset replacement and renewal expenditure 6,345 Capital contributions funding system growth and asset replacement and renewal 230 System growth and asset replacement and renewal less capital contributions 18,212 11 foa(v): Asset Relocations 1,086 500 500 Stide on floading 512 512 1 indergrounding 512 512 1 under additional rows if needed		Consumer connection expenditure	13,7
Consumer connection less capital contributions 11 6a(iv): System Growth and Asset Replacement and Renewal Asset Replace Subtransmission 1925 Zone substations 7,590 Distribution and LV cables 1469 Distribution substations and transformers 480 Distribution substations and renewal expenditure 6,345 Capital contributions funding system growth and asset replacement and renewal 230 System growth and asset replacement and renewal less capital contributions 18,212 11 foa(v): Asset Relocations 10065 500 500 Project or programme* 500 500 500 500 Undergrounding 512 512 512 512 512 * include additional rows if needed 10085 500 512 512 512 512 512 512 512 5	less	Capital contributions funding consumer connection expenditure	2.618
6a(iv): System Growth and Asset Replacement and Renewal Asset Replace Subtransmission 1925 Zone substations 7,590 Distribution and IV lines 1,469 Distribution and IV cables 632 Distribution substations and transformers 440 Distribution substations and transformers 440 Distribution substations and transformers 440 Distribution substations funding system growth and asset replacement and renewal expenditure 18,441 Vers Capital contributions funding system growth and asset replacement and renewal 230 System growth and asset replacement and renewal less capital contributions 18,212 13 6a(v): Asset Relocations 10,066 500 10,066 500 System growth and asset replacement and renewal less capital contributions 500 10,066 500 fielocations 10,066 500 10,066 500 500 10,066 500 10,066 500 500 10,066 500 500 500 500 500 500 500 500 500 500 500 500 500 500 500 500			11,1!
System Growth and Renew (S000) Subtransmission 1,925 Zone substations 1,469 Distribution and LV lines 1,469 Distribution and LV cables 6,32 Distribution substations and transformers 480 Distribution substations and transformers 6,345 Other network assets 6,345 System growth and asset replacement and renewal expenditure 18,441 Vers Capital contributions funding system growth and asset replacement and renewal 230 System growth and asset replacement and renewal less capital contributions 118,212 11 dess Capital contributions funding system growth and asset replacement and renewal 230 118,212 11 foa(v): Asset Relocations 1,086 500 118,212 11 relocations 1,086 500 512 11 11 * include additional rows if needed 1 1 11			<u></u>
Subtransmission (\$000) (\$000) Zone substations 1,925 1,225 Distribution and LV ines 1,469 7 Distribution and LV cables 6,32 1,325 Distribution substations and transformers 480 1,225 Distribution switchgear - 3 Other network assets 6,345 1 System growth and asset replacement and renewal expenditure 18,441 11 Less Capital contributions funding system growth and asset replacement and renewal 230 1 System growth and asset replacement and renewal less capital contributions 18,212 11 Kess Capital contributions 1,086 50 System growth and asset replacement and renewal less capital contributions 500 (\$000) Relocations 1,086 50 50 Modergrounding 512 - -	6a(iv)	: System Growth and Asset Replacement and Renewal	Asset Replaceme
Subtransmission 1,925 Zone substations 7,590 Distribution and LV lines 1,469 Distribution and LV cables 632 Distribution substations and transformers 440 Distribution switchgear - Other network assets 6,345 System growth and asset replacement and renewal expenditure 18,441 Capital contributions system growth and asset replacement and renewal 230 System growth and asset replacement and renewal less capital contributions 18,212 f6a(v): Asset Relocations 1,086 FH39a Te Kowhai / Limmer Road Widening 512 Undergrounding 512 * include additional rows if needed - All other projects or programmes - asset relocations - * set relocations expenditure 1,021			
Zone substations 7,590 Distribution and LV lines 1469 Distribution substations and transformers 632 Distribution substations and transformers 480 Distribution substations and transformers 480 Distribution substations and transformers 6.345 System growth and asset replacement and renewal expenditure 6.345 System growth and asset replacement and renewal expenditures 18,441 less Capital contributions funding system growth and asset replacement and renewal 230 System growth and asset replacement and renewal less capital contributions 18,212 11 fea(v): Asset Relocations 1,086 50 Project or programme* (5000) (5000) Relocations 1,086 512			
Distribution and LV lines 1,469 2 Distribution and LV cables 632 632 Distribution substations and transformers 480 632 Distribution switchgear 6,345 6,345 System growth and asset replacement and renewal expenditure 18,441 111 less Capital contributions funding system growth and asset replacement and renewal 230 230 System growth and asset replacement and renewal less capital contributions 18,212 11 dess Capital contributions funding system growth and asset replacement and renewal 230 230 System growth and asset replacement and renewal less capital contributions 18,212 11 dess Capital contributions 18,212 11 dess Project or programme* (\$000) (\$000) Relocations 1,086 50 1,086 Sh139a Te Kowhai / Limmer Road Widening 512 - - under grounding 512 - - - * include additional rows if needed - - - - - Asset relocations expenditure 1,021 1,021			
Distribution and LV cables 632 Distribution subtations and transformers 480 Distribution subtations and transformers 480 Distribution subtations and transformers 480 Distribution subtations and transformers 6,345 System growth and asset replacement and renewal expenditure 18,841 11 less Capital contributions funding system growth and asset replacement and renewal 230 System growth and asset replacement and renewal less capital contributions 18,212 11 less Capital contributions funding system growth and asset replacement and renewal 230 10,821 System growth and asset replacement and renewal less capital contributions 18,212 11 felocations 1,088 50 SH39a Te Kowhai / Limmer Road Widening 512 - Undergrounding 512 - * include additional rows if needed - - All other projects or programmes - asset relocations - - Asset relocations expenditure 1,021 - -			
Distribution substations and transformers 480 Distribution substations witchgear -			
Distribution switchgear 1 Other network assets 1 System growth and asset replacement and renewal expenditure 1 Less Capital contributions funding system growth and asset replacement and renewal 1 System growth and asset replacement and renewal less capital contributions 18,441 11 Capital contributions funding system growth and asset replacement and renewal 10 11 System growth and asset replacement and renewal less capital contributions 18,212 11 G6a(v): Asset Relocations			
Other network assets 6,345 System growth and asset replacement and renewal expenditure 18,441 (ess Capital contributions funding system growth and asset replacement and renewal 230 System growth and asset replacement and renewal less capital contributions 18,441 111 (ess Capital contributions funding system growth and asset replacement and renewal 230 230 System growth and asset replacement and renewal less capital contributions 18,212 111 6a(v): Asset Relocations (\$000) (\$000) Project or programme* (\$000) (\$000) Relocations 1,086 50 Undergrounding 512 - - - - - - - - - - - - <td< td=""><td></td><td></td><td></td></td<>			
System growth and asset replacement and renewal expenditure 18,441 11 less Capital contributions funding system growth and asset replacement and renewal 230 System growth and asset replacement and renewal less capital contributions 18,212 11 6a(v): Asset Relocations 18,212 11 Project or programme* (\$000) (\$000) Relocations 1,086 50 Undergrounding 512 - - - - - * include additional rows if needed - - - All other projects or programmes - asset relocations - - 1,021 Less Capital contributions funding asset relocations 1,021 -			
less Capital contributions funding system growth and asset replacement and renewal 230 System growth and asset replacement and renewal less capital contributions 18,212 11 6a(v): Asset Relocations 1,086 1,086 Project or programme* (\$000) (\$000) Relocations 1,086 50 Undergrounding 512 - - - - * Include additional rows if needed - - All other projects or programmes - asset relocations 1,021 1			
System growth and asset replacement and renewal less capital contributions	less		
6a(v): Asset Relocations Project or programme* (\$000) <l< td=""><td></td><td></td><td></td></l<>			
Project or programme* (\$000) (\$000) Relocations 1,086 SH39a Te Kowhai / Limmer Road Widening 50 Undergrounding 512 Image: Im			
Project or programme* (\$000) (\$000) Relocations 1,086 SH39a Te Kowhai / Limmer Road Widening 50 Undergrounding 512 Image: Im			
Relocations 1,086 SH39a Te Kowhai / Limmer Road Widening 50 Undergrounding 512 - - <t< td=""><td>6a(v)</td><td>Asset Relocations</td><td></td></t<>	6a(v)	Asset Relocations	
SH39a Te Kowhai / Limmer Road Widening 50 Undergrounding 512 - -		Project or programme*	(\$000) (\$000)
Undergrounding 512 - - <t< td=""><td></td><td>Relocations</td><td>1,086</td></t<>		Relocations	1,086
* include additional rows if needed		SH39a Te Kowhai / Limmer Road Widening	50
* include additional rows if needed All other projects or programmes - asset relocations Asset relocations expenditure 1 less Capital contributions funding asset relocations 1,021		Undergrounding	512
* include additional rows if needed All other projects or programmes - asset relocations Asset relocations expenditure 1 less Capital contributions funding asset relocations 1,021			-
All other projects or programmes - asset relocations Asset relocations expenditure 1 less Capital contributions funding asset relocations 1,021			-
Asset relocations expenditure 1 less Capital contributions funding asset relocations 1,021			
less Capital contributions funding asset relocations 1,021			
			1,64
Asset relocations less capital contributions	less		
		Asset relocations less capital contributions	62

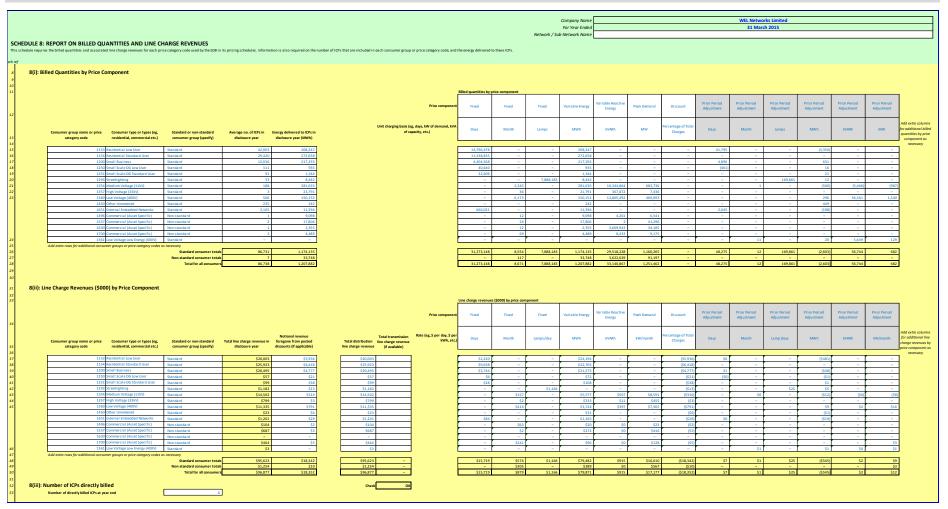
69	6a(vi): Quality of Supply		
70	Project or programme*	(\$000)	(\$000)
71	Voltage upgrade projects due to monitoring	514	
72	Power Quality	1,013	
73	-		
74	-		
75	-	-	
76	* include additional rows if needed		
77	All other projects programmes - quality of supply		
78	Quality of supply expenditure		1,527
79	less Capital contributions funding quality of supply		1,527
80	Quality of supply less capital contributions	L	1,527
81	6a(vii): Legislative and Regulatory		
82	Project or programme*	(\$000)	(\$000)
83	Seismic upgrades of substations 0	155	
84 85	0		
86	0		
87	0		
88	* include additional rows if needed		
89	All other projects or programmes - legislative and regulatory		
90	Legislative and regulatory expenditure		155
91	less Capital contributions funding legislative and regulatory		
92	Legislative and regulatory less capital contributions		155
	Coluiii): Other Bolichility, Sofety and Environment		
93 94	6a(viii): Other Reliability, Safety and Environment Project or programme*	(\$000)	(\$000)
95	Substation Site Security Access Project	131	(2000)
96	Ground fault neutralizer installation for rural substations	756	
97	Network Automation	491	
98	Arc Flash protection installation	61	
99	0	-	
100	* include additional rows if needed		
101	All other projects or programmes - other reliability, safety and environment	513	
102	Other reliability, safety and environment expenditure		1,951
103	less Capital contributions funding other reliability, safety and environment	19	
104	Other reliability, safety and environment less capital contributions	L	1,933
105			
106	6a(ix): Non-Network Assets		
107	Routine expenditure		
108	Project or programme*	(\$000)	(\$000)
109	Computer Equipment	736	
110	Computer Software	2,489	
111	Plant and Equipment	509	
112	Motor Vehicles	1,566	
113	Buildings	7	
114 115	* include additional rows if needed All other projects or programmes - routine expenditure		
115	Routine expenditure		5,306
117 118	Atypical expenditure Project or programme*	(\$000)	(\$000)
119		(2000)	(000)
120			
121			
122			
123			
124	* include additional rows if needed		
125	All other projects or programmes - atypical expenditure		
126	Atypical expenditure		-
127			
128	Expenditure on non-network assets		5,306

SCH	IEDULE 6B: REPORT ON OPERATIONAL EXPENDITURE FOR THE DISCLOSURE YEAR		
	Company Name	WEL Network	s Limited
	For Year Ended	31 March	2015
c	CHEDULE 6b: REPORT ON OPERATIONAL EXPENDITURE FOR THE DISCLOSURE YEAR		
_			
	nis schedule requires a breakdown of operational expenditure incurred in the disclosure year. DBs must provide explanatory comment on their operational expenditure in Schedule 14 (Explanatory notes to templates). This includes explanatory comr	nent on any atypical op	erational
	spenditure and assets replaced or renewed as part of asset replacement and renewal operational expenditure, and additional information on insurance.		
Tł	nis 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 requ	uired by section 2.8.	
sch	ref		
7	6b(i): Operational Expenditure	(\$000)	(\$000)
8	Service interruptions and emergencies	2,505	
9	Vegetation management	1,088	
10	Routine and corrective maintenance and inspection	2,574	
11	Asset replacement and renewal	1,160	
12	Network opex		7,327
13	System operations and network support	3,724	
14	Business support	6,806	
15	Non-network opex		10,531
16			
17	Operational expenditure	L	17,858
18	6b(ii): Subcomponents of Operational Expenditure (where known)		
19	Energy efficiency and demand side management, reduction of energy losses		613
20			-
21			3
22			437
23	* Direct billing expenditure by suppliers that directly bill the majority of their consumers		

SCHEDULE 7: COMPARISON OF FORECASTS TO ACTUAL EXPENDITURE

Une charge revenue 98,764 96,272 7(ii): Expenditure on Assets 59,764 96,272 Consumer connection 7,364 13,274 System growth 20,315 18,441 Asset replacement and renewal 11,835 11,835 Asset replacement and renewal 2,691 1,647 Reliability, safety and environment: 2,691 1,647 Quality of supply 622 1,527 Uber reliability, safety and environment 2,284 3,634 Expenditure on network assets 6,055 5,306 Expenditure on network assets 6,055 5,306 Service interruptions and energencies 2,284 2,313 1,660 Viji: Operational Expenditure 1,233 1,088 1,000 Asset replacement and renewal 1,233 1,088 1,233 1,088 Service interruptions and energencies 2,284 2,313 1,160 1,313 1,160 Notine and corrective maintenance and inspection 8,328 7,327 6,806 1,4,655 10,531 2,978 </th <th>ed</th> <th>Networks Limite</th> <th>WEL</th> <th>Company Name</th>	ed	Networks Limite	WEL	Company Name
is is chedule compare actual revenue and agenditure to the previous forecasts the use rande for the disclosure year. Accordingly, this scheduler expectance were dependiture in Schedule 14 Mindatory (splan in Scheduler expenditure) is part of the audited bickscoper information (as defined in sector). 14 of the Diddermination, and so is subject to the assure agenditure in Scheduler 14 Mindatory (splan in Scheduler 14 forecast expenditures only need to be verified back to previous disclosures. The assure agenditure in Scheduler 14 Mindatory (splan in Scheduler 14 forecast expenditures only need to be verified back to previous disclosures. The assure agenditure in Scheduler 14 Mindatory (splan in Scheduler 14 forecast expenditures only need to be verified back to previous disclosures. The assure agenditure in Scheduler 14 forecast expenditures only need to be verified back to previous disclosures. The assure agenditure in Scheduler 14 forecast expenditures only need to be verified back to previous disclosures. The assure agenditure in Scheduler 14 forecast expenditures only need to be verified back to previous disclosures. The assure agenditure in Scheduler 14 forecast expenditures only need to be verified back to previous disclosures. The assure agenditure in Scheduler 14 forecast expenditures only need to be verified back to previous disclosures. The assure agenditure in Scheduler 14 forecast expenditures only need to be verified back to previous disclosures. The assure agenditure in Scheduler 14 forecast expenditures only need to be verified back to previous disclosures. The assure agenditure in Scheduler 14 forecast expenditures only need to be verified back to previous disclosures. The assure agenditure in Scheduler 14 forecast expenditures on the assure and environment. Despite agenditures on steps and environment. Scheduler and corrective environment. Scheduler and corrective environment. Scheduler and corrective environment. Scheduler and environment and corrective environment. Scheduler ascheduler agendit		81 March 2015		For Year Endec
Line charge revenue 99,764 96,877 7(ii): Expenditure on Assets Forecast (\$000)* Actual (\$000) *w Consumer connection 7,556 13,774 System growth 20,315 18,441 Asset replacement and renewal 20,694 1,647 Reliability, safety and environment: 2,694 1,647 Quality of supply 6,22 1,527 Uber reliability, safety and environment 2,834 3,634 Expenditure on non-network assets 6,055 5,306 Expenditure on non-network assets 6,055 5,306 Expenditure on non-network assets 51,297 54,619 7(iii): Operational Expenditure 1,237 1,068 Routine and corrective maintennance and inspection 2,2847 2,505 System operations and envers support 8,322 7,327 System operations and envers support 8,527 6,806 Non-network opex 0,2431 1,649 Operational expenditure 4,650 10,531 Operational expenditure 1,4650 10,531	Explanatory ssurance repor	edule 14 (Mandatory so is subject to the a	e disclosure year. Acc st expenditure in Sche) determination), and	s schedule compares actual revenue and expenditure to the previous forecasts that were made for t cast revenue and expenditure information from previous disclosures to be inserted. s must provide explanatory comment on the variance between actual and target revenue and forec es). This information is part of the audited disclosure information (as defined in section 1.4 of the uired by section 2.8. For the purpose of this audit, target revenue and forecast expenditures only ne
Line charge revenue 99,764 96,877 7(ii): Expenditure on Assets Forecast (\$000)* Actual (\$000) % w Consumer connection 7,564 13,774 System growth 20,315 18,441 Asset replacement and renewal 11,835 11,835 Asset replacement and renewal 2,694 1,647 Reliability, safety and environment: 2,094 1,647 Quality of supply 622 1,527 Uther reliability, safety and environment 2,844 49,313 Expenditure on network assets 6,054 5,306 Expenditure on network assets 6,054 5,306 Forecast replacement and renewal 1,333 1,160 Asset replacement 1,237 1,088 Pytenditure on network assets 5,255 5,205 Vigetation management 2,2847 2,505 Vegetation management 1,338 1,160 Routine and corrective maintenance and inspection 8,322 7,327 Bytem operations and network support 8,577 6,806 Non-n	% variance	Actual (\$000)	Target (\$000) ¹	7(i): Revenue
Consumer connection $2,564$ $13,774$ System growth $20,315$ $18,441$ Asset replacement and renewal $3,541$ $11,835$ $11,846$ Asset relocations $2,644$ $1,447$ Reliability, safety and environment: $2,109$ 1044 1155 Quality of supply 622 $1,527$ 104 1155 Use is a start of the equatory 1044 1155 1044 1155 Other reliability, safety and environment $2,304$ $3,634$ $3,634$ Expenditure on non-network assets $5,206$ $5,306$ $5,306$ Expenditure on non-network assets $51,297$ $54,619$ 7(ii): Operational Expenditure $2,247$ $2,506$ $3,224$ Metation management $1,318$ $1,160$ $1,237$ 1088 Non-network opex $2,2926$ $2,574$ $3,724$ $8,522$ $6,006$ Non-network opex $2,247$ $2,506$ $3,224$ $8,328$ $7,3272$ System operations and network support $8,522$ $6,006$ $10,531$ $22,978$ $17,858$ 7(iv): Subcomponents of Expenditure on Assets (where known) $10,000$ 552 526 Derational expendition of energy losses $1,000$ 552 $10,000$ 552 Overhead to underground conversion $1,000$ 552 $10,000$ 552 Direct billingResearch and development $10,000$ 552 $10,000$ 552 Direct billing $10,000$ 552 $10,000$ 552 <tr< td=""><td>(2</td><td>96,877</td><td>98,764</td><td></td></tr<>	(2	96,877	98,764	
Consumer connection $2,564$ $13,774$ System growth $20,315$ $18,441$ Asset replacement and renewal $3,541$ $11,835$ $11,846$ Asset relocations $2,644$ $1,647$ Reliability, safety and environment: $2,109$ 1044 1155 Quality of supply 622 $1,527$ 1044 1155 Ugislative and regulatory 1044 1155 1044 1155 Other reliability, safety and environment $2,109$ $1,951$ 1044 1155 Expenditure on non-network assets $6,054$ $5,306$ $5,206$ $5,306$ Expenditure on non-network assets $6,054$ $5,306$ $5,202$ $5,274$ Method corrective maintenance and inspection $2,264$ $2,506$ $1,318$ $1,160$ Network opex $2,247$ $2,506$ $2,247$ $2,506$ $2,2274$ $2,506$ Non-network opex $2,227$ $3,724$ $8,328$ $7,3272$ $6,078$ $3,724$ Non-network opex $0,078$ $3,724$ $8,522$ $6,006$ $10,533$ Operational expenditure $14,650$ $10,533$ $22,978$ $17,858$ T(iv): Subcomponents of Expenditure on Assets (where known) $1,000$ 552 1000 552 Nerwer hand development $1,000$ 552 $1,000$ 552 Orechaid to underground conversion $1,000$ 552 $1,000$ 552 Nerwer hand development $1,000$ 552 $1,000$ 552 Orechaid to underground	% variance	Actual (\$000)	Forecast (\$000) ²	7(ii): Expenditure on Assets
System growth 20,315 18,444 Asst replacement and renewal 2,094 1,865 Asst relocations 2,694 1,647 Reliability, safety and environment: 2,019 1,555 Other reliability, safety and environment 2,109 1,555 Total reliability, safety and environment 2,109 1,551 Expenditure on non-network assets 2,842 4,9,313 Expenditure on assets 6,054 5,306 7(iii): Operational Expenditure 2,847 2,505 Vegetation management 2,227 54,619 Nuine and corrective maintenance and inspection 2,226 2,574 Asset replacement and renewal 1,318 1,160 Network opex 3,328 7,327 System operations and network support 8,328 7,327 Non-network opex 2,2976 3,334 Operational expenditure 1,4650 10,533 Operational expenditure 2,2976 3,224 Business support 8,522 6,806 10,533 Operational expenditure 2,2976 1,2650 10,053 <tr< td=""><td>82</td><td></td><td></td><td></td></tr<>	82			
Asset replacement and renewal 11.835 11.816 Asset replacement and renewal 2.694 1.647 Reliability, safety and environment: 004 155 Quality of supply 622 1.527 Legislative and regulatory 104 155 Other reliability, safety and environment 2,409 1,951 Total reliability, safety and environment 2,434 3,634 Expenditure on non-network assets 6,056 5,306 Expenditure on non-network assets 5,1297 54,619 Service interruptions and emergencies 2,226 2,574 Vegetation management 1,318 1,160 Routine and corrective maintenance and inspection 2,226 2,574 Asset replacement and network support 8,572 6,606 Non-network opex 1,318 1,160 Non-network opex 1,4650 10,531 Operational expenditure 2,297 3,724 Business support 6,078 3,724 Non-network opex 1,4650 10,531 Operational expenditure 1,000 562 Overhead to under	(9			
Asset relocations 2,694 1,647 Reliability, safety and environment: 0 622 1,527 Quality of supply 622 1,527 Quality of supply 622 1,527 Quality of supply 623 1,527 Quality of supply 2,834 3,634 Expenditure on non-network assets 6,054 5,306 Expenditure on non-network assets 6,054 5,306 Expenditure on assets 51,297 54,619 Cliii): Operational Expenditure Vegetation management 2,292 2,505 Vegetation management 2,292 2,574 Asset replacement and renewal 2,328 7,327 System operations and network support 8,328 7,327 System operations and network support 8,328 7,327 System operations and network support 8,572 6,606 Non-network opex 1,4650 10,531 2,2,978 Operational expenditure 2,2,978 1,7,858 1,000 562 Overhead to underground conversion 2,2,978 1,275 1,000 56	(0			
Reliability, safety and environment: 0 Quality of supply 622 1,527 Legislative and regulatory 104 155 Other reliability, safety and environment 2,109 1,951 Expenditure on network assets 2,834 3,634 Expenditure on network assets 6,054 5,306 Expenditure on no-network assets 51,297 54,619 Formation management 1,237 1,088 Routine and corrective maintenance and inspection 2,262 2,574 Asset replacement and renewal 2,2574 1,318 1,160 Network opex 2,206 2,574 1,318 1,160 Non-network opex 0,078 3,724 0,053 1,237 1,088 1,237 1,088 1,237 1,088 1,245 1,051 1,245 1,061 1,318 1,160 1,318 1,160 1,318 1,160 1,318 1,160 1,318 1,160 1,4650 1,0,531 1,22,978 1,318 1,160 1,318 1,160 1,4650 1,0,531 1,22,978 1,2,857 6,806 1,4,650 1,0,531 </td <td>(39</td> <td></td> <td></td> <td></td>	(39			
Quality of supply 622 1,527 Legislative and regulatory 104 155 Other reliability, safety and environment 2,109 1,951 Total reliability, safety and environment 2,109 1,951 Expenditure on non-network assets 6,054 5,306 Expenditure on non-network assets 5,1297 54,619 Service interruptions and emergencies 2,847 2,505 Vegetation management 2,292 2,574 Routine and corrective maintenance and inspection 2,926 2,574 Asset replacement and renewal 1,318 1,160 Network opex 3,227 6,806 System operational expenditure 8,222 3,326 Operational expenditure 2,274 8,272 Mon-network opex 1,318 1,160 Operational expenditure 2,297 1,723 Operational expenditure 2,297 1,7257 Operational expenditure 1,318 1,160 Total components of Deprational Expenditure (where known) 2,2978 1,724 <	,		,	
Legislative and regulatory 104 155 Other reliability, safety and environment 2,109 1,951 Total reliability, safety and environment 2,834 3,634 Expenditure on non-network assets 6,054 5,306 Expenditure on non-network assets 51,297 54,619 F(ii): Operational Expenditure 2,847 2,505 Vegetation management 1,237 1,088 Routine and corrective maintenance and inspection 2,926 2,574 Asset replacement and renewal 2,926 2,574 Network opex 6,078 3,724 System operations and network support 8,328 7,327 Non-network opex 6,078 3,724 Operational expenditure 8,572 6,806 Overhead to underground conversion 2,978 17,858 Research and development - - Overhead to underground demand side management, reduction of energy losses 1,197 613 Direct billing - - - Research and development 135 3	146	1,527	622	
Other reliability, safety and environment 2,109 1,951 Totar reliability, safety and environment 2,884 3,634 Expenditure on network assets 6,054 5,306 Expenditure on non-network assets 5,1297 54,619 7(iii): Operational Expenditure 1,237 1,088 Vegetation management 2,296 2,574 Routine and corrective maintenance and inspection 2,292 2,574 Asset replacement and renewal 2,328 7,327 Network opex 8,328 7,327 System operations and network support 8,572 6,806 Non-network opex 2,298 10,531 Operational expenditure 2,298 10,531 Operational expenditure 2,298 10,531 Operational expenditure 2,000 562 Overhead to underground conversion 1,000 562 Research and development - - Direct billing - - Research and development 135 3 135 3 3 <td>49</td> <td></td> <td>104</td> <td></td>	49		104	
Expenditure on network assets 45,242 49,313 Expenditure on non-network assets 6,054 5,306 Expenditure on assets 51,297 54,619 (iii): Operational Expenditure Service interruptions and emergencies Vegetation management 1,237 1,088 Routine and corrective maintenance and inspection 2,926 2,574 Asset replacement and renewal 1,318 1,160 Network opsx 6,078 3,724 Business support 8,322 6,006 Non-network opex 6,078 3,724 Operational expenditure 8,572 6,806 10,921 22,978 17,858 (iv): Subcomponents of Expenditure on Assets (where known) Research and development 1,000 562 Overhead to underground conversion 1,000 562 Research and development - - Officiency and demanals side management, reduction of energy losses 1,197 613 Direct billing - - - Research and development 1355 3 In	(7		2,109	
Expenditure on non-network assets 6,054 5,306 Expenditure on assets 51,297 54,619 7(iii): Operational Expenditure Service interruptions and emergencies 1,237 1,088 Vegetation management 2,926 2,574 Routine and corrective maintenance and inspection 2,926 2,574 Asset replacement and renewal 1,318 1,160 Network opex 6,078 3,724 System operations and network support 8,522 6,078 Business support 8,572 6,806 Non-network opex 14,650 10,531 Operational expenditure 22,978 17,858 7(iv): Subcomponents of Expenditure on Assets (where known) 22,978 7,575 Noverhead to underground conversion 1,000 562 2 Research and development 1,000 562 2 Overhead to underground conversion 1,000 562 2 Research and development 1,197 613 2 Direct billing 1,197 613 1 Research and development 1355 <t< td=""><td>28</td><td>3,634</td><td>2,834</td><td>Total reliability, safety and environment</td></t<>	28	3,634	2,834	Total reliability, safety and environment
Expenditure on assets \$1,297 \$4,619 F(iii): Operational Expenditure Service interruptions and emergencies 2,847 2,505 Vegetation management 1,237 1,088 Routine and corrective maintenance and inspection 2,926 2,574 Asset replacement and renewal 1,318 1,160 Network opex 8,328 7,327 System operations and network support 8,572 6,806 Business support 8,572 6,806 Operational expenditure 14,650 10,531 Operational expenditure on Assets (where known) 22,978 17,858 Forey efficiency and demand side management, reduction of energy losses 7,441 5,757 Overhead to underground conversion 1,000 562 - Research and development - - - Insurance 1,197 613 - 0irect billing - - - - Research and development 1,503 437 - Insurance 503 437 -	9	49,313	45,242	Expenditure on network assets
f(iii): Operational Expenditure Service interruptions and emergencies Vegetation management Rotine and corrective maintenance and inspection Asset replacement and renewal Network opex System operations and network support Business support Non-network opex Operational expenditure f(iv): Subcomponents of Expenditure on Assets (where known) Research and development Research and development Direct billing Research and development Insurance	(12	5,306	6,054	Expenditure on non-network assets
Service interruptions and emergencies 2,847 2,505 Vegetation management 1,237 1,088 Routine and corrective maintenance and inspection 2,926 2,574 Asset replacement and renewal 1,318 1,160 Network opex 8,328 7,327 System operations and network support 8,328 7,327 Business support 6,078 3,724 Non-network opex 6,078 3,724 Operational expenditure 8,572 6,806 14,650 10,531 22,978 17,858 7(iv): Subcomponents of Expenditure on Assets (where known) 22,978 17,858 Neregy efficiency and demand side management, reduction of energy losses 7,441 5,757 Overhead to underground conversion 1,000 562 Research and development - - Energy efficiency and demand side management, reduction of energy losses 1,197 613 Direct billing - - - Research and development 135 3 3 Direct billing - - - Research and development <td>6</td> <td>54,619</td> <td>51,297</td> <td>Expenditure on assets</td>	6	54,619	51,297	Expenditure on assets
Vegetation management 1,237 1,088 Routine and corrective maintenance and inspection 2,926 2,574 Asset replacement and renewal 1,318 1,160 Network opex 8,328 7,327 System operations and network support 8,328 7,327 Business support 6,078 3,724 Non-network opex 1,4650 10,531 Operational expenditure 22,978 17,858 7(iv): Subcomponents of Expenditure on Assets (where known) 22,978 17,858 Energy efficiency and demand side management, reduction of energy losses 7,441 5,757 Overhead to underground conversion 1,000 562 Research and development - - Finergy efficiency and demand side management, reduction of energy losses 1,197 613 Direct billing - - - Research and development 135 3 - Insurance 503 437 -				7(iii): Operational Expenditure
Routine and corrective maintenance and inspection Asset replacement and renewal2,9262,574Asset replacement and renewal1,3181,160Network opex System operations and network support Business support8,3287,327System operations and network support Business support6,0783,724Non-network opex Operational expenditure14,65010,531Operational expenditure22,97817,8587(iv): Subcomponents of Expenditure on Assets (where known) Research and development7,4415,7571,00056217(v): Subcomponents of Operational Expenditure (where known) Direct billing Research and development1,197613Direct billing Research and development Insurance1,1976131,197613111,1933311,1933311,1933331,1933331,1933331,1933331,1933331,1933331,1933331,1933331,1933331,1933331,1933331,1933331,1933331,1933331,1933331,193<	(12	2,505	2,847	Service interruptions and emergencies
Asset replacement and renewal 1,318 1,160 Network opex 8,328 7,327 System operations and network support 8,328 7,327 Business support 6,078 3,724 Non-network opex 14,650 10,531 Operational expenditure 22,978 17,858 7(iv): Subcomponents of Expenditure on Assets (where known) 7,441 5,757 Nounderground conversion 1,000 562 Research and development - - Fuergy efficiency and demand side management, reduction of energy losses 1,000 562 Direct billing - - - Research and development 135 3 - Insurance 503 437 -	(12	1,088	1,237	Vegetation management
Network opex 8,328 7,327 System operations and network support 6,078 3,724 Business support 8,572 6,806 Non-network opex 14,650 10,531 Operational expenditure 22,978 17,858 7(iv): Subcomponents of Expenditure on Assets (where known) 7,441 5,757 Derergy efficiency and demand side management, reduction of energy losses 1,000 562 Overhead to underground conversion 1,000 562 Research and development - - Finergy efficiency and demand side management, reduction of energy losses 1,197 613 Direct billing - - - Research and development 135 3 Insurance 503 437	(12	2,574	2,926	Routine and corrective maintenance and inspection
System operations and network support 6,078 3,724 Business support 8,572 6,806 Non-network opex 14,650 10,531 Operational expenditure 22,978 17,858 7(iv): Subcomponents of Expenditure on Assets (where known) 7,441 5,757 Derey efficiency and demand side management, reduction of energy losses 7,441 5,757 Overhead to underground conversion 1,000 562 Research and development - - Finergy efficiency and demand side management, reduction of energy losses 1,197 613 Direct billing - - - Research and development 135 3 - Insurance 503 437 -	(12	1,160	1,318	Asset replacement and renewal
Business support 8,572 6,806 Non-network opex 14,650 10,531 Operational expenditure 22,978 17,858 7(iv): Subcomponents of Expenditure on Assets (where known) 7,441 5,757 Derry efficiency and demand side management, reduction of energy losses 7,441 5,757 Overhead to underground conversion 1,000 562 Research and development - - T(v): Subcomponents of Operational Expenditure (where known) - - Energy efficiency and demand side management, reduction of energy losses 1,197 613 Direct billing - - - Research and development 135 3 - Insurance 503 437 -	(12	7,327	8,328	Network opex
Non-network opex 14,650 10,531 Operational expenditure 22,978 17,858 7(iv): Subcomponents of Expenditure on Assets (where known) 2,978 7,441 5,757 Overhead to underground conversion 1,000 562 2 Research and development - - - 7(v): Subcomponents of Operational Expenditure (where known) - - - Energy efficiency and demand side management, reduction of energy losses 1,197 613 - Direct billing - - - - - Research and development 135 3 - - - - Insurance 503 437 503 437 - </td <td>(39</td> <td>3,724</td> <td>6,078</td> <td>System operations and network support</td>	(39	3,724	6,078	System operations and network support
Operational expenditure 22,978 17,858 7(iv): Subcomponents of Expenditure on Assets (where known) 7,441 5,757 Derey efficiency and demand side management, reduction of energy losses 7,441 5,757 Overhead to underground conversion 1,000 562 Research and development - - 7(v): Subcomponents of Operational Expenditure (where known) - - Energy efficiency and demand side management, reduction of energy losses 1,197 613 Direct billing - - - Research and development 135 3 - Insurance 503 437 -	(21		8,572	Business support
7(iv): Subcomponents of Expenditure on Assets (where known) Energy efficiency and demand side management, reduction of energy losses Overhead to underground conversion Research and development 7(v): Subcomponents of Operational Expenditure (where known) Energy efficiency and demand side management, reduction of energy losses Direct billing Research and development Insurance	(28			Non-network opex
Energy efficiency and demand side management, reduction of energy losses 7,441 5,757 Overhead to underground conversion 1,000 562 Research and development - - 7(v): Subcomponents of Operational Expenditure (where known) - - Energy efficiency and demand side management, reduction of energy losses 1,197 613 Direct billing - - Research and development 135 3 Insurance 503 437	(22	17,858	22,978	Operational expenditure
Overhead to underground conversion 1,000 562 Research and development - - 7(v): Subcomponents of Operational Expenditure (where known) - - Energy efficiency and demand side management, reduction of energy losses 1,197 613 Direct billing - - Research and development 135 3 Insurance 503 437				
Research and development - - 7(v): Subcomponents of Operational Expenditure (where known) - - Energy efficiency and demand side management, reduction of energy losses 1,197 613 Direct billing - - Research and development 135 3 Insurance 503 437	(23			
7(v): Subcomponents of Operational Expenditure (where known) Energy efficiency and demand side management, reduction of energy losses Direct billing Research and development Insurance	(44	562	1,000	
Energy efficiency and demand side management, reduction of energy losses1,197613Direct billingResearch and development1353Insurance503437	-	-	-	Research and development
Energy efficiency and demand side management, reduction of energy losses1,197613Direct billingResearch and development1353Insurance503437				7(v): Subcomponents of Operational Expenditure (where known)
Direct billing-Research and development135Insurance503437	(49	613	1 197	
Research and development 135 3 Insurance 503 437	(4)			
Insurance 503 437	(98		135	
	(13			· · · · · · · · · · · · · · · · · · ·
1 From the nominal dollar target revenue for the disclosure year disclosed under clause 2.4.3(3) of this determination	(10			
			this determination	1 From the nominal dollar target revenue for the disclosure year disclosed under clause 2.4.3(3) o
2 From the CY+1 nominal dollar expenditure forecasts disclosed in accordance with clause 2.6.6 for the forecast period starting at the beginning of the	g of the	arting at the beginnin	the forecast period sta	2 From the CY+1 nominal dollar expenditure forecasts disclosed in accordance with clause 2.6.6 for

SCHEDULE 8: REPORT ON BILLED QUANTITIES AND LINE CHARGE REVENUES



SCHEDULE 9A: ASSET REGISTER

		Neti	vork / Su	Company Name For Year Ended b-network Name		L Networks Limit 31 March 2015	ed
 	a: ASSET REGISTER es a summary of the quantity of ass	ets that make up the network, by asset category and asset class. All units rela		·	at are expressed in k	xm, refer to circuit len	gths.
Voltage	Asset category	Asset dass	Units	ltems at start of year (quantity)	Items at end of year (quantity)	Net change	Data accuracy (1–4)
All	Overhead Line	Concrete poles / steel structure	No.	37,101	37,147	46	
All	Overhead Line	Wood poles	No.	2,436	2,392	(44)	
AH	Overhead Line	Other pole types	No.	10	10	-	
HV	Subtransmission Line	Subtransmission OH up to 66kV conductor	km	195	195	(0)	
HV	Subtransmission Line	Subtransmission OH 110kV+ conductor	km	-	-	-	
HV	Subtransmission Cable	Subtransmission UG up to 66kV (XLPE)	km	219	232	13	
HV	Subtransmission Cable	Subtransmission UG up to 66kV (Oil 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	0	
HV	Subtransmission Cable	Subtransmission UG 110kV+ (XLPE)	km	-	-	-	1
HV	Subtransmission Cable	Subtransmission UG 110kV+ (Oil pressurised)	km	-	-	-	1
HV	Subtransmission Cable	Subtransmission UG 110kV+ (Gas Pressurised)	km	-	-	-	1
HV	Subtransmission Cable	Subtransmission UG 110kV+ (PILC)	km	-	-	-	1
HV	Subtransmission Cable	Subtransmission submarine cable	km	-	-	-	1
HV	Zone substation Buildings	Zone substations up to 66kV	No.	25	25	-	
HV	Zone substation Buildings	Zone substations 110kV+	No.	-	-	-	1
HV	Zone substation switchgear	50/66/110kV CB (Indoor)	No.	-	-	-	1
HV	Zone substation switchgear	50/66/110kV CB (Outdoor)	No.	-	-	-	1
HV	Zone substation switchgear	33kV Switch (Ground Mounted)	No.	-	-	-	1
HV	Zone substation switchgear	33kV Switch (Pole Mounted)	No.	65	62	(3)	
HV	Zone substation switchgear	33kV RMU	No.	9	9	-	
HV	Zone substation switchgear	22/33kV CB (Indoor)	No.	89	96	7	
HV	Zone substation switchgear	22/33kV CB (Outdoor)	No.	31	30	(1)	
HV	Zone substation switchgear	3.3/6.6/11/22kV CB (ground mounted)	No.	-	-	-	
HV	Zone substation switchgear	3.3/6.6/11/22kV CB (pole mounted)	No.	-		-	1
HV	Zone Substation Transformer	Zone Substation Transformers	No.	50	49	(1)	
HV	Distribution Line	Distribution OH Open Wire Conductor	km	1,956	1,954	(2)	
HV	Distribution Line	Distribution OH Aerial Cable Conductor	km	-	-	-	
HV HV	Distribution Line Distribution Cable	SWER conductor Distribution UG XLPE or PVC	km km	507	- 524	- 17	I
				127			
HV HV	Distribution Cable Distribution Cable	Distribution UG PILC	km km	127	125	(2)	
HV HV	Distribution Cable Distribution switchgear	Distribution Submarine Cable 3.3/6.6/11/22kV CB (pole mounted) - reclosers and sectionalisers	KM No.		- 137	(3)	
HV	Distribution switchgear	3.3/6.6/11/22kV CB (pole mounted) - reclosers and sectionalisers 3.3/6.6/11/22kV CB (Indoor)	NO. NO.	373	377	(3)	
HV	Distribution switchgear	3.3/6.6/11/22kV CB (moder) 3.3/6.6/11/22kV Switches and fuses (pole mounted)	NO.	6,121	6,172	51	
HV	Distribution switchgear	3.3/6.6/11/22kV Switch (ground mounted) - except RMU	No.			-	
HV	Distribution switchgear	3.3/6.6/11/22kV RMU	No.	918	978	60	
HV	Distribution Transformer	Pole Mounted Transformer	No.	3,923	4,002	79	
HV	Distribution Transformer	Ground Mounted Transformer	No.	1,782	1,842	60	
HV	Distribution Transformer	Voltage regulators	No.	15	15	-	
HV	Distribution Substations	Ground Mounted Substation Housing	No.	-	-	-	1
LV	LV Line	LV OH Conductor	km	1,084	1,079	(5)	
LV	LV Cable	LV UG Cable	km	1,138	1,174	36	
LV	LV Street lighting	LV OH/UG Streetlight circuit	km	1,149	1,165	16	
LV	Connections	OH/UG consumer service connections	No.	87,272	88,491	1,219	
All	Protection	Protection relays (electromechanical, solid state and numeric)	No.	882	908	26	
All	SCADA and communications	SCADA and communications equipment operating as a single system	Lot	945	1,019	74	
All	Capacitor Banks	Capacitors including controls	No	1	1	-	
All	Load Control	Centralised plant	Lot	8	8	-	
All	Load Control	Relays	No	53,387	53,693	306	
All	Civils	Cable Tunnels	km	-			N

SCHEDULE 9B: ASSET AGE PROFILE

SCHEDULE 9b: ASSET AGE PROFILE

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

sch n	f			_																											
8		Disclosure Year (year ended)	31 March 2015	Į.								Numb	er of assets	at disclosure	e year end b	y installation	date													1.1	
						1940	1950	1960	1970	1980	1990																	No. with age	Items at end of year	No. with default	Data accuracy
9	Voltage	Asset category	Asset class	Units	pre-1940		-1959	-1969	-1979	-1989	-1999	2000	2001	2002	2003	2004	2005	2006	2007	2008	2009	2010	2011	2012	2013	2014	2015	unknown	(quantity)		(1-4)
10	All	Overhead Line	Concrete poles / steel structure	No.	3	7	40	1,482	18,899	7,789	2,659	246	297	390	229	260	359	339	436	391	439	279	571	602	454	541	435	-	37,147	16	3
11	All	Overhead Line	Wood poles	No.	-	-	52	264	627	595	537	52	61	34	34	13	27	14	13	15	15	9	4	4	14	6	2	-	2,392	3	3
12	All	Overhead Line	Other pole types	No.	-	-	1	1	3	-	2	-	-	-	1	-	-	-	-	-	-	-	-	-	2	-	-	-	10		3
13	HV	Subtransmission Line	Subtransmission OH up to 66kV conductor	km	-	-	-	6	63	39	23	0	13	0	3	-	8	6	1	2	0	-	30	1	1	-	1	-	195	-	3
14	HV	Subtransmission Line	Subtransmission OH 110kV+ conductor	km	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-		N/A
15	HV	Subtransmission Cable	Subtransmission UG up to 66kV (XLPE)	km	-	-	-	-	13	6	8	7	8	-	0	3	29	29	11	13	7	3	55	23	2	2	14	-	232		3
16	HV	Subtransmission Cable	Subtransmission UG up to 66kV (Oil pressurised)	km	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-		N/A
17	HV	Subtransmission Cable	Subtransmission UG up to 66kV (Gas pressurised)	km	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	<u>⊢</u> −+	N/A
18	HV	Subtransmission Cable	Subtransmission UG up to 66kV (PILC)	km	-	-	-	-	15	1	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	15	<u>⊢</u> −+	3
19	HV	Subtransmission Cable	Subtransmission UG 110kV+ (XLPE)	km	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-		<u>⊢</u> -+	N/A
20	HV	Subtransmission Cable	Subtransmission UG 110kV+ (Oil pressurised)	km	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-		-		<u>⊢</u> -+	N/A
21	HV	Subtransmission Cable	Subtransmission UG 110kV+ (Gas Pressurised)	km	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-		<u>⊢</u> -+	N/A
22	HV	Subtransmission Cable	Subtransmission UG 110kV+ (PILC)	km	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-			<u> </u>	N/A N/A
23	HV	Subtransmission Cable	Subtransmission submarine cable	km		-	-		-		-	-	-	-	-	-	-	-	-	-	-	-		-	-	-		-		<u>⊢</u> _+	N/A
24	HV	Zone substation Buildings	Zone substations up to 66kV	No.	-	-	-	1	5	2	- 2	-	-	-	-	-	-	-	2	2	6	2	1	1	1	-		<u> </u>	25	<u> </u>	3 N/A
25	HV HV	Zone substation Buildings	Zone substations 110kV+	No. No.			-	-	-		-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-		<u> </u>		<u> </u>	N/A N/A
20	HV	Zone substation switchgear	50/66/110kV CB (Indoor)	NO.	-	-	-	-	-	-	-	-		-	-	-	-	-	-	-	-	-	-	-	-	-		-		<u> </u>	N/A N/A
2/	HV	Zone substation switchgear Zone substation switchgear	50/66/110kV CB (Outdoor) 33kV Switch (Ground Mounted)	NO.			-	-	-		-		-	-	_	-	-	-	-	-	-	-	-	-		-		-			N/A N/A
20	HV	Zone substation switchgear	33kV Switch (Pole Mounted)	No.	_		_	-	41			_		-	- 2	_	-	- 4	-	-	-		-	_	_				- 62	<u> </u>	- N/A
29	HV	Zone substation switchgear	33kV RMU	No.	_		_	2	41	0	3	_		4		_	-	-	-	- 1	-					_			02		
21	HV	Zone substation switchgear	22/33kV CB (Indoor)	No.							20									10	10		10	12			7		06		
22	HV	Zone substation switchgear	22/33kV CB (Nutdor) 22/33kV CB (Outdoor)	No.	_		_	- 2	2		23		- 1	- 6	_	_	-	1	2	2	- 19	1	10	15	1	-			30		
22	HV	Zone substation switchgear	3.3/6.6/11/22kV CB (ground mounted)	No.	_		_	-	3	_	_		-	-	_	_	-	-	-		_	-	-	-		-			30		N/A
34	HV	Zone substation switchgear	3.3/6.6/11/22kV CB (pole mounted)	No.	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	_	-	-	-		-	N/A
35	HV	Zone Substation Transformer	Zone Substation Transformers	No	-	-	_	9	12	3	2	_	2	2	-	-	1	1	4	4	-	2	4	2	1	-	-	-	49	-	3
36	HV	Distribution Line	Distribution OH Open Wire Conductor	km	-	0	4	83	1.118	391	111	13	28	23	9	24	20	15	8	9	13	11	6	13	19	18	18	-	1.954	1	3
37	HV	Distribution Line	Distribution OH Aerial Cable Conductor	km	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-		0	N/A
38	HV	Distribution Line	SWER conductor	km	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	N/A
39	HV	Distribution Cable	Distribution UG XLPE or PVC	km	-	-	-	44	62	45	41	16	12	20	10	15	20	25	19	30	41	20	14	24	22	23	22	-	524	-	3
40	HV	Distribution Cable	Distribution UG PILC	km	-	-	-	15	50	60	0	1	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	125	-	3
41	HV	Distribution Cable	Distribution Submarine Cable	km	-	-	-	-	-	-	-	I	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	N/A
42	HV	Distribution switchgear	3.3/6.6/11/22kV CB (pole mounted) - reclosers and sectionalisers	No.	-	-	-	-	5	10	2	-	1	7	4	12	35	3	4	7	7	2	2	11	7	3	15	-	137	-	3
43	HV	Distribution switchgear	3.3/6.6/11/22kV CB (Indoor)	No.	-	-	10	47	45	36	43	11	16	13	1	1	3	5	23	28	23	13	36	15	4	-	4	-	377	-	3
44	HV	Distribution switchgear	3.3/6.6/11/22kV Switches and fuses (pole mounted)	No.	-	6	5	61	1,292	1,215	502	78	158	196	154	177	136	206	156	186	206	148	197	279	298	256	260	-	6,172	í –	3
45	HV	Distribution switchgear	3.3/6.6/11/22kV Switch (ground mounted) - except RMU	No.	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-			3
46	HV	Distribution switchgear	3.3/6.6/11/22kV RMU	No.	1	-	5	42	175	80	42	9	14	48	21		42	49	48	42	40	44	25	54	56	54	62	-	978		3
47	HV	Distribution Transformer	Pole Mounted Transformer	No.	3	21	67	135	255	645	732	73		134	128		141		154	153	159	100	105	173	137	155	160	-	4,002		3
48	HV	Distribution Transformer	Ground Mounted Transformer	No.	3	1	10	52	244	271	231	29	42	56	31	41	54	64	91	87	94	78	57	71	81	80	74		1,842	4	3
49	HV	Distribution Transformer	Voltage regulators	No.	-	-	-	-	4	1	1	2	-	-	-	-	-	1	1	-	1	-	3	-	-	1	-		15	<u> </u>	3
50	HV	Distribution Substations	Ground Mounted Substation Housing	No.	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	<u> </u>	N/A
51	LV	LV Line	LV OH Conductor	km	-	0	1	33		280	124	13	16	19	12		17	20	10	5	4	2	2	4	4	3	4	-	1,079		3
52	LV	LV Cable	LV UG Cable	km	0	4	-	57	202	274	134	26	26	27	28		44	57	40	49	33	16	18	19	24	29	32	-	1,174	0	3
53	LV	LV Street lighting	LV OH/UG Streetlight circuit	km	0	0	1	23	212	227	165	50	45	50	43		61	45	30	30	36	12	9	21	20	10	14		1,165		3
54	LV	Connections	OH/UG consumer service connections	No.	1	7	300	3,202	50,661	9,057	3,636	63	66	1,041	1,443	1,736	1,868		2,108	2,551	1,192	1,284	1,148	-/	1,215		1,412		88,491		2
55	All	Protection	Protection relays (electromechanical, solid state and numeric)	No.	-	-	1	103	120	51	63	37	7	40	6	15	26	10	56	68	71	23	84	76	6	17	28		908		3
56	All	SCADA and communications	SCADA and communications equipment operating as a single system	Lot	-	-	-	-	-	19	18	24	60	45	23	46	63	14	77	23	103	66	72	140	89	58	79	-	1,019	<u>⊢ -</u>	3
57	All	Capacitor Banks	Capacitors including controls	No	-	-	-	-	-	-	-	-	-	-	-	-	1	-	-	-	-	-	-	-	-	-	-	-	1	<u>⊢ -</u> +	4
58	All	Load Control	Centralised plant	Lot		-	-	3	1	1	-	-	-	-	-	-	3	-	-	-	-	-	-	-	-	-	-		8	<u> </u>	4
59	All	Load Control	Relays	No	-	-	-	-	-	-	-	-	-	-	-	-	-	-	2	-	-	-	-	-	-	-		53,691	53,693	<u>⊢</u> −+	1
60	All	Civils	Cable Tunnels	km	<u> </u>	-	-	-	-	-	-	-	-		-	-	-	-	-	-	-	-	-	-	-	-	-	<u> </u>		<u> </u>	N/A
																													_	_	

WEL Networks Limited 31 March 2015

Company Name For Year Ended Network / Sub-network Name

SCHEDULE 9C: REPORT ON OVERHEAD LINES AND UNDERGROUND CABLES

		(
	Company Name	WE	L Networks Limit	ted
	For Year Ended		31 March 2015	
	Network / Sub-network Name			
so	CHEDULE 9c: REPORT ON OVERHEAD LINES AND UNDERGROUND CABLES			
	s schedule requires a summary of the key characteristics of the overhead line and underground cable network. All units relating	to cable and line as	sets, that are express	ed in km. refer to
	cuit lengths.			
sch n	ef			
9				
				Total circuit length
10	Circuit length by operating voltage (at year end)	Overhead (km)	Underground (km)	(km)
11	>66kV	-	-	-
12	50kV & 66kV	-	-	-
13	33kV	195	247	442
14	SWER (all SWER voltages)	-	-	-
15	22kV (other than SWER)	-	-	-
16	6.6kV to 11kV (inclusive—other than SWER)	1,954	649	2,602
17	Low voltage (<1kV)	1,080	1,173	2,253
18 19	Total circuit length (for supply)	3,229	2,069	5,298
20	Dedicated street lighting circuit length (km)	265	900	1,165
20	Circuit in sensitive areas (conservation areas, iwi territory etc) (km)	205	900	920
22	circuit in sensitive areas (conservation areas, iwi territory etc) (kin)		L	320
			(% of total	
23	Overhead circuit length by terrain (at year end)	Circuit length (km)	overhead length)	
24	Urban	526	16%	
25	Rural	1,991	62%	
26	Remote only	-	-	
27	Rugged only	713	22%	
28	Remote and rugged	-	-	
29	Unallocated overhead lines	-	-	
30	Total overhead length	3,229	100%	
31			10/ - f t - t - l - i - · · ·	
32		Circuit length (km)	(% of total circuit length)	
33	Length of circuit within 10km of coastline or geothermal areas (where known)	364	7%	
55	conferror or concernation constante on Beautering areas (where known)	504		
34		Circuit length (km)	(% of total overhead length)	
34 35	Overhead circuit requiring vegetation management	3,229	100%	
35	Overhead circuit requiring vegetation management	3,229	100%	

SCHEDULE 9D: REPORT ON EMBEDDED NETWORKS

		Company Name	WEL Networks	Limited
		For Year Ended	31 March	2015
	ILE 9d: REPORT ON EMBEDDED NETWORKS e requires information concerning embedded networks owned by an EDB that ar	e embedded in another EDB's network or in another embedded i	network.	
i rej			Li	ne charge revenue
8	Location *	Nu	mber of ICPs served	(\$000)
9	Belfast (transferred 31/3/15)		38	43
0	Brick Street		16	106
1	Flagship		2	72
2	Half Moon Bay		59	54
3	Hulme Place		32	12
1	Jeffs Road Dannemora		877	57:
5	Kirkdale		266	20
5	Oaklands		178	10
7	Porchester Road		245	143
3	Ryan Place		51	2
9	Southgate		90	5
0				
1				
?				
3				
4				
5				

SCHEDULE 9E: REPORT ON NETWORK DEMAND

	Company Name	WEL Networks Limited
	For Year Ended	31 March 2015
	Network / Sub-network Name	
is sc	EDULE 9e: REPORT ON NETWORK DEMAND	unnections including
	uted generation, peak demand and electricity volumes conveyed).	
ef		
3	9e(i): Consumer Connections	
9	Number of ICPs connected in year by consumer type	Number of
,	Consumer types defined by EDB*	Number of connections (ICPs)
1	Residential Low User (1153)	150
2	Residential Standard User (1154)	661
3	Small Business (1200)	378
1	Small Scale DG Low User (1250)	
	Small Scale DG Standard User (1251)	3
	Streetlighting (1293)	1
	Medium Voltage (11kV) (1354)	5
	High Voltage (33kV) (1357)	-
	Low Voltage (400V) (1360)	15
	Other Unmetered (1450)	
5	External Embedded Networks (1651)	82
5	* include additional rows if needed	
7 8	Connections total	1,295
9	Distributed generation	
9 0	Number of connections made in year	118 connections
1	Capacity of distributed generation installed in year	0.37 MVA
4		Demand at time of
		maximum
		coincident demand
5	Maximum coincident system demand	coincident demand (MW)
5	GXP demand	coincident demand (MW) 244
6 7	GXP demand plus Distributed generation output at HV and above	coincident demand (MW) 244 3
5 7 8	GXP demand plus Distributed generation output at HV and above Maximum coincident system demand	coincident demand (MW) 244
5 7 8 9	GXP demand plus Distributed generation output at HV and above Maximum coincident system demand less Net transfers to (from) other EDBs at HV and above	coincident demand (MW) 244 3 246
5 7 8 9	GXP demand plus Distributed generation output at HV and above Maximum coincident system demand	coincident demand (MW) 244 3
5 7 8 9 0	GXP demand plus Distributed generation output at HV and above Maximum coincident system demand less Net transfers to (from) other EDBs at HV and above	coincident demand (MW) 244 3 246
6 7 8 9 0	GXP demand plus Distributed generation output at HV and above Maximum coincident system demand less Net transfers to (from) other EDBs at HV and above Demand on system for supply to consumers' connection points	coincident demand (MW) 244 3 246 246
5 7 8 9 0 1 2	GXP demand plus Distributed generation output at HV and above Maximum coincident system demand less Net transfers to (from) other EDBs at HV and above Demand on system for supply to consumers' connection points Electricity volumes carried	coincident demand (MW) 244 3 246 246 Energy (GWh)
6 7 8 9 0 1 2 3	GXP demand plus Distributed generation output at HV and above Maximum coincident system demand less Net transfers to (from) other EDBs at HV and above Demand on system for supply to consumers' connection points Electricity volumes carried Electricity supplied from GXPs	coincident demand (MW) 244 3 246 246 Energy (GWh) 946
6 7 8 9 0 1 2 3 4	GXP demand plus Distributed generation output at HV and above Maximum coincident system demand less Net transfers to (from) other EDBs at HV and above Demand on system for supply to consumers' connection points Electricity volumes carried Electricity supplied from GXPs less Electricity exports to GXPs	coincident demand (MW) 244 3 246 246 Energy (GWh) 946 103
5 7 8 9 9 0 0 1 2 2 3 4 4 5	GXP demand plus Distributed generation output at HV and above Maximum coincident system demand less Net transfers to (from) other EDBs at HV and above Demand on system for supply to consumers' connection points Electricity volumes carried Electricity supplied from GXPs less Electricity exports to GXPs plus Electricity supplied from distributed generation	coincident demand (MW) 244 3 246 246 246 5 Energy (GWh) 946 103 409
6 7 8 9 9 0 1 2 3 3 4 5 6	GXP demand plus Distributed generation output at HV and above Maximum coincident system demand less Net transfers to (from) other EDBs at HV and above Demand on system for supply to consumers' connection points Electricity volumes carried Electricity supplied from GXPs less Electricity exports to GXPs plus Electricity supplied from distributed generation less Net electricity supplied to (from) other EDBs	coincident demand (MW) 244 3 246 246 246 5 Energy (GWh) 946 103 409 (14)
5 7 3 9 9 9 9 9 9 9 9 9 9 9 9 9 9 9 9 9 9	GXP demand plus Distributed generation output at HV and above Maximum coincident system demand less Net transfers to (from) other EDBs at HV and above Demand on system for supply to consumers' connection points Electricity volumes carried Electricity supplied from GXPs less Electricity exports to GXPs plus Electricity supplied from distributed generation less Net electricity supplied to (from) other EDBs Electricity entering system for supply to consumers' connection points	coincident demand (MW) 244 3 246 246 246 246 5 Energy (GWh) 946 103 409 (14) (14)
5 7 7 7 7 9 9 9 9 7 7 3 9	GXP demand plus Distributed generation output at HV and above Maximum coincident system demand less Net transfers to (from) other EDBs at HV and above Demand on system for supply to consumers' connection points Electricity volumes carried Electricity supplied from GXPs less Electricity supplied from distributed generation less Net electricity supplied to (from) other EDBs Electricity entering system for supply to consumers' connection points less Total energy delivered to ICPs Electricity losses (loss ratio)	coincident demand (MW) 244 3 246 246 246 246 103 409 (14) 1,266 1,208 59 4.65
5 7 8 9 9 0 0 1 2 2 3 4 4 5 5 5 7 7 8 8 9	GXP demand plus Distributed generation output at HV and above Maximum coincident system demand less Net transfers to (from) other EDBs at HV and above Demand on system for supply to consumers' connection points Electricity volumes carried Electricity supplied from GXPs less Electricity exports to GXPs plus Electricity supplied from distributed generation less Net electricity supplied to (from) other EDBs Electricity entering system for supply to consumers' connection points less Total energy delivered to ICPs	coincident demand (MW) 244 3 246 246 246 246 246 246 103 409 (14) 1,266 1,208
6 7 8 9 9 0 1 2 3 4 5 5 6 7 8 9 9 0	GXP demand plus Distributed generation output at HV and above Maximum coincident system demand less Net transfers to (from) other EDBs at HV and above Demand on system for supply to consumers' connection points Electricity volumes carried Electricity supplied from GXPs less Electricity supplied from distributed generation less Net electricity supplied to (from) other EDBs Electricity entering system for supply to consumers' connection points less Total energy delivered to ICPs Electricity losses (loss ratio)	coincident demand (MW) 244 3 246 246 246 246 103 409 (14) 1,266 1,208 59 4.65
5 6 7 8 9 0 1 2 3 4 5 6 7 8 9 0 1 2	GXP demand plus Distributed generation output at HV and above Maximum coincident system demand less Net transfers to (from) other EDBs at HV and above Demand on system for supply to consumers' connection points Electricity volumes carried Electricity supplied from GXPs less Electricity exports to GXPs plus Electricity supplied from distributed generation less Net electricity supplied for form) other EDBs Electricity entering system for supply to consumers' connection points less Total energy delivered to ICPs Electricity losses (loss ratio) Load factor	coincident demand (MW) 244 3 246 246 246 246 103 409 (14) 1,266 1,208 59 4.65
6 7 8 9 9 0 1 2 3 3 4 5 5 6 7 8 9 9 0 1 2	GXP demand plus Distributed generation output at HV and above Maximum coincident system demand less Net transfers to (from) other EDBs at HV and above Demand on system for supply to consumers' connection points Electricity volumes carried Electricity supplied from GXPs less Electricity exports to GXPs plus Electricity supplied from distributed generation less Net electricity supplied for form) other EDBs Electricity entering system for supply to consumers' connection points less Total energy delivered to ICPs Electricity losses (loss ratio) Load factor	coincident demand (MW) 244 3 246 246 246 246 103 409 (14) 1,266 1,208 59 4.64
5 7 7 8 9 9 0 1 2 2 3 4 5 5 5 7 7 8 9 9 0 1 1 2 2 3	GXP demand plus Distributed generation output at HV and above Maximum coincident system demand less Net transfers to (from) other EDBs at HV and above Demand on system for supply to consumers' connection points Electricity volumes carried Electricity supplied from GXPs less Electricity exports to GXPs plus Electricity supplied from distributed generation less Net electricity supplied to (from) other EDBs Electricity entering system for supply to consumers' connection points less Total energy delivered to ICPs Electricity losses (loss ratio) Load factor Sec(iii): Transformer Capacity	coincident demand (MW) 244 3 246 246 246 6 103 409 (14) 1,266 1,208 59 4.65 0.59
6 7 8 9 9 0 1 2 3 4 5 5 6 7 8 9 9 0 1	GXP demand plus Distributed generation output at HV and above Maximum coincident system demand less Net transfers to (from) other EDBs at HV and above Demand on system for supply to consumers' connection points Electricity volumes carried Electricity supplied from GXPs less Electricity exports to GXPs plus Electricity supplied from distributed generation less Net electricity supplied to (from) other EDBs Electricity entering system for supply to consumers' connection points less Total energy delivered to ICPs Electricity losses (loss ratio) Load factor Pse(iii): Transformer Capacity (EDB owned)	coincident demand (MW) 244 3 246 246 246 0 59 409 (14) 1,266 1,208 59 4.69 0.59 (MVA) 831
6 7 8 9 9 0 1 2 3 4 5 5 6 7 8 9 0 1 2 3 4 2 3 4	GXP demand plus Distributed generation output at HV and above Maximum coincident system demand less Net transfers to (from) other EDBs at HV and above Demand on system for supply to consumers' connection points Electricity volumes carried Electricity supplied from GXPs less Electricity exports to GXPs plus Electricity supplied from distributed generation less Net electricity supplied for form) other EDBs Electricity entering system for supply to consumers' connection points Electricity lesses (loss ratio) Load factor Distribution transformer capacity (EDB owned) Distribution transformer capacity (Non-EDB owned, estimated)	coincident demand (MW) 244 3 246 246 246 0 59 409 (14) 1,266 1,208 59 4,69 0,59 (MVA) (MVA) 831 26

SCHEDULE 10: REPORT ON NETWORK RELIABILITY

		Company Name	WEL Networks Limited
		For Year Ended	31 March 2015
	EDULE 10: REPORT ON NETWORK RELIABILITY	Network / Sub-network Name	
scł	hedule requires a summary of the key measures of network reliability (interruptions, SAIDI, SAID		
	k reliability for the disclosure year in Schedule 14 (Explanatory notes to templates). The SAIFI a letermination), and so is subject to the assurance report required by section 2.8.	nd SAIDI information is part of audited discl	osure information (as defined in secti
	10(i): Interruptions	Number of	
	Interruptions by class	interruptions	
	Class A (planned interruptions by Transpower)		
	Class B (planned interruptions on the network) Class C (unplanned interruptions on the network)	482	
	Class D (unplanned interruptions by Transpower)	-	
	Class E (unplanned interruptions of EDB owned generation)	-	
	Class F (unplanned interruptions of generation owned by others) Class G (unplanned interruptions caused by another disclosing entity)		
	Class H (planned interruptions caused by another disclosing entity)		
	Class I (interruptions caused by parties not included above)		
	Total	1,138	
	Interruption restoration	≤3Hrs	>3hrs
	Class C interruptions restored within	401	255
	SAIFI and SAIDI by class Class A (planned interruptions by Transpower)	SAIFI	SAIDI
	Class A (planned interruptions by Transpower) Class B (planned interruptions on the network)	0.16	24.64
	Class C (unplanned interruptions on the network)	1.37	80.41
	Class D (unplanned interruptions by Transpower) Class E (unplanned interruptions of EDB owned generation)		
	Class F (unplanned interruptions of generation owned by others)		
	Class G (unplanned interruptions caused by another disclosing entity)	0.02	1.74
	Class H (planned interruptions caused by another disclosing entity) Class I (interruptions caused by parties not included above)		-
	Total	1.55	106.8
	Normalised SAIFI and SAIDI		rmalised SAIDI
	Classes B & C (interruptions on the network)	1.53	103.12
	Quality path normalised reliability limit	SA SAIFI reliability limit	AIDI reliability limit
	SAIFI and SAIDI limits applicable to disclosure year*	-	-
	* not applicable to exempt EDBs		
	10(ii): Class C Interruptions and Duration by Cause		
	Cause	SAIFI	SAIDI
	Lightning	0.11 0.07	4.27
	Vegetation Adverse weather	0.07	23.81
	Adverse environment		-
	Third party interference Wildlife	0.27	19.90 4.53
	Human error	0.15	0.69
	Defective equipment	0.39	22.25
	Cause unknown	0.00	0.03
	10(iii): Class B Interruptions and Duration by Main Equipment In	nvolved	
	Main equipment involved	SAIFI	SAIDI
	Subtransmission lines	-	-
	Subtransmission cables	-	
	Subtransmission other Distribution lines (excluding LV)	0.10	15.97
	Distribution cables (excluding LV)	-	-
	Distribution other (excluding LV)	0.06	8.68
	10(iv): Class C Interruptions and Duration by Main Equipment In	volved	
	Main equipment involved	SAIFI	SAIDI
	Subtransmission lines Subtransmission cables	0.06	0.65
	Subtransmission cables		-
	Distribution lines (excluding LV)	0.80	56.36
	Distribution cables (excluding LV) Distribution other (excluding LV)	0.10	6.74
	Distribution outer (excluding Ev)	0.41	20100
	10(v): Fault Rate		Fault rai
	Main equipment involved		uit length (km) per 1
		Number of Faults Circi	
	Main equipment involved Subtransmission lines Subtransmission cables Subtransmission other	2 - -	uit length (km) per 1 195
	Main equipment involved Subtransmission lines Subtransmission cables Subtransmission other Distribution lines (excluding LV)	2 - - 323	uit length (km) per 1 195 247 1,954
	Main equipment involved Subtransmission lines Subtransmission cables Subtransmission other	2 - -	uit length (km) per 10 195

SCHEDULE 11A: REPORT ON FORECAST CAPITAL

									(Company Name	WEL	Networks Limit	ted
									AMP	Planning Period	1 April	2015 – 31 March	h 2025
H	EDULE 11a: REPORT ON FORECAST CAPITAL EXPEN	NDITURE								_			
sc	hedule requires a breakdown of forecast expenditure on assets for the current of	disclosure year and a 10 yea	r planning period. Th	e forecasts should be	consistent with the	supporting informat	ion set out in the AM	P. The forecast is to b	e expressed in both o	onstant price and no	minal dollar terms.	Also required is a fo	recast of the v
om	missioned assets (i.e., the value of RAB additions)												
	nust provide explanatory comment on the difference between constant price and formation is not part of audited disclosure information.	d nominal dollar forecasts o	f expenditure on asse	ts in Schedule 14a (M	andatory Explanator	ry Notes).							
	iornation's not part of addrea disclosure mornation.												
f													
			Current Year CY	CY+1	CY+2	CY+3	CY+4	CY+5	CY+6	CY+7	CY+8	CY+9	CY+10
		for year ended	31 Mar 15	31 Mar 16	31 Mar 17	31 Mar 18	31 Mar 19	31 Mar 20	31 Mar 21	31 Mar 22	31 Mar 23	31 Mar 24	31 Mar 2
	11a(i): Expenditure on Assets Forecast		\$000 (in nominal dolla	arc)									
	Consumer connection	1	13.611	8,152	8,377	7,807	7,758	7,588	7,758	7,933	8,111	8,294	
	System growth		18,175	11.754	7,519	10.140	9,703	12.275	10.891	8,564	7,237	6,719	
	Asset replacement and renewal		11,771	11,577	13,013	10,864	12,584	15,230	13,259	13,225	14,461	14,714	
	Asset relocations		1,596	1,938	2,766	2,828	2,892	2,118	2,166	2,215	2,265	2,316	
	Reliability, safety and environment:												
	Quality of supply		1,493	869	889	802	711	671	686	701	717	733	
	Legislative and regulatory		206	394	261	107	109	-	-	-	-	-	
	Other reliability, safety and environment		1,576	2,075	3,727	2,033	1,143	1,151	1,201	2,783	992	1,014	
	Total reliability, safety and environment		3,275	3,338	4,877	2,941	1,963	1,822	1,887	3,485	1,709	1,747	
	Expenditure on network assets		48,428 4,100	36,760 5.039	36,552 2,399	34,581 4,273	34,899 2.073	39,033 3.100	35,962 2,680	35,421	33,784 3,720	33,789 3.257	
	Non-network assets Expenditure on assets	r i i i i i i i i i i i i i i i i i i i	4,100	41,799	2,399	4,273	2,073	42,133	38.642	37,634	3,720	3,257	
	Expenditure on assets	L. L	52,528	41,799	56,951	36,034	30,973	42,155	56,042	57,034	57,504	57,040	
	plus Cost of financing	1	649	854	558	594	712	795	867	843	965	1.009	
	less Value of capital contributions		4,279	3,504	4.046	3,960	4.005	3,544	3,624	3,705	3,789	3,874	
	plus Value of vested assets		-			-	-		-, :	-	-	-	
	Capital expenditure forecast		48,898	39,149	35,463	35,488	33,680	39,384	35,885	34,772	34,680	34,182	
				,							,		
	Value of commissioned assets	l	38,520	30,822	33,151	27,154	31,910	29,339	35,164	26,799	33,983	26,334	
			Current Year CY	CY+1	CY+2	CY+3	CY+4	CY+5	CY+6	CY+7	CY+8	CY+9	CY+10
		for year ended	31 Mar 15	31 Mar 16	31 Mar 17	31 Mar 18	31 Mar 19	31 Mar 20	31 Mar 21	31 Mar 22	31 Mar 23	31 Mar 24	31 Mar
			\$000 (in constant pric	es)									
	Consumer connection		13,611	7,973	8,012	7,303	7,097	6,789	6,789	6,789	6,789	6,789	
	System growth		18,175	11,495	7,192	9,485	8,876	10,983	9,530	7,329	6,057	5,500	
	Asset replacement and renewal		11,771	11,322	12,447	10,162	11,512	13,626	11,602	11,317	12,103	12,043	
	Asset relocations	l	1,596	1,896	2,646	2,646	2,646	1,895	1,895	1,895	1,895	1,895	
	Reliability, safety and environment:	,											
	Quality of supply		1,493	850	850	750	650	600	600	600	600	600	
	Legislative and regulatory		206 1,576	385	250 3,564	100	100		-	- 2.382	- 830	- 830	
	Other reliability, safety and environment Total reliability, safety and environment		1,576	2,030 3,265	3,564	1,902 2,752	1,046 1,796	1,030 1,630	1,051 1,651	2,382	1,430	1,430	
	Expenditure on network assets		48,428	3,265	4,664	32,348	31,927	34,923	31,467	30,312	28,275	27,657	
	Non-network assets		48,428	4,928	2,295	32,348	1,897	2,774	2.345	1.894	3,114	2,666	
	Expenditure on assets		52,528	40,879	37,256	36,345	33,824	37,697	33,812	32,206	31,388	30,323	
		1											
	Subcomponents of expenditure on assets (where known	,											
	Energy efficiency and demand side management, reduction of energy	· · · · · ·	6,117	931	347	347	347	347	347	347	347	347	
		· · · · · ·	6,117 517	931 250	347 1,000	347 1,000	347 1,000	347 1,000	347 1,000	347 1,000	347 1,000	347 1,000	

57			Current Year CY	CY+1	CY+2	CY+3	CY+4	CY+5	CY+6	CY+7	CY+8	CY+9	СҮ+10
58		for year ended	31 Mar 15	31 Mar 16	31 Mar 17	31 Mar 18	31 Mar 19	31 Mar 20	31 Mar 21	31 Mar 22	31 Mar 23	31 Mar 24	31 Mar 25
59	Difference between nominal and constant price forecasts		\$000										
50	Consumer connection	-	-	179	365	504	661	799	970	1,144	1,323	1,505	1,692
1	System growth	-	-	259	327	655	826	1,292	1,361	1,235	1,180	1,219	1,54
2	Asset replacement and renewal		-	255	566	702	1,072	1,603	1,657	1,907	2,358	2,670	2,71
3	Asset relocations	l		43	120	183	246	223	271	319	369	420	4
4	Reliability, safety and environment:	ſ											
5	Quality of supply	-		19	39 11	52	61	71	86	101	117	133	1
56 57	Legislative and regulatory	-		46	11	131	9	- 121	- 150	- 401	- 162	- 184	
58	Other reliability, safety and environment Total reliability, safety and environment	ľ	-	73	212	131	167	121	236	503	279	317	10
69	Expenditure on network assets			809	1,591	2,233	2,972	4,110	4,494	5,109	5,509	6,132	6,59
70	Non-network assets			111	1,551	2,235	177	4,110	335	3,109	607	591	40,3
71	Expenditure on assets	ľ		920	1,695	2,509	3,148	4,436	4,829	5,428	6,115	6,723	6,99
72		L					-,	.,	.,	0,.20			0,00
73			Current Year CY	CY+1	CY+2	CY+3	CY+4	CY+5					
		for year ended	31 Mar 15	31 Mar 16	31 Mar 17	31 Mar 18	31 Mar 19	31 Mar 20					
74	11a(ii): Consumer Connection												
75	Consumer types defined by EDB*	-	\$000 (in constant pr	ices)									
76	Residential Customers	-	9,513	5,573	5,597	4,948	4,740	4,410					
77	Business Customers		586	343	358	298	300	321					
78	Large Customers - Low Voltage 400V		3,512	2,057	1,807	1,757	2,057	2,057					
79	Large Customers - Medium Voltage 11kV	-	-	-	-	-	-	-					
80	Large Customers - High Voltage 33kV		-	-	-	-	-	-					
	Asset Specific Customers	-		-	250	300	-						
	External Network Customers	l l		-	-	-	-	-					
81	*include additional rows if needed	t											
82	Consumer connection expenditure		13,611	7,973	8,012	7,303	7,097	6,789					
83 84	less Capital contributions funding consumer connection		2,745	1,637 6.336	1,637 6,375	1,597 5,706	1,557 5,541	1,497 5,292					
84	Consumer connection less capital contributions	L	10,866	6,336	6,375	5,706	5,541	5,292					
85	11a(iii): System Growth												
86	Subtransmission		250	800	2,000	4,339	-	4,112					
87	Zone substations		8,484	4,931	598	1,565	4,553	2,690					
88	Distribution and LV lines		1,035	1,420	369	1,500	1,500	1,500					
89	Distribution and LV cables		649	1,191	2,372	1,000	1,000	1,471					
90	Distribution substations and transformers		500	610	500	400	400	400					
91	Distribution switchgear		-	-	-	-	-	-					
	Other network assets		7,258	2,542	1,354	682	1,423	810					
					7.192	9,485	8,876	10,983					
92	System growth expenditure		18,175	11,495	7,192	9,485	8,870	10,505					
92 93 94	System growth expenditure less Capital contributions funding system growth		18,175	- 11,495	7,192	9,485	- 6,870						

		for year ended	Current Year CY 31 Mar 15	CY+1 31 Mar 16	CY+2 31 Mar 17	CY+3 31 Mar 18	CY+4 31 Mar 19	CY+5 31 Mar 20
11a	(iv): Asset Replacement and Renewal		000 (in constant pric	es)				
	Subtransmission	ſ		66	66	66	66	6
	Zone substations		940	237	1,112	197	57	2,64
	Distribution and LV lines		7,589	6,536	5,950	5,843	7,733	7,73
	Distribution and LV cables		120	687	687	687	687	68
	Distribution substations and transformers	-	916	1,324	1,124	1,124	624	624
	Distribution switchgear	-	1,576	1,316	1,973	1,513	1,633	1,26
	Other network assets	-	629	1,157	1,575	732	712	61
	Asset replacement and renewal expenditure	i i i i i i i i i i i i i i i i i i i	11,771	11,322	12,447	10,162	11,512	13,62
	ess Capital contributions funding asset replacement and renewal	F	580	580	580	580	580	58
	Asset replacement and renewal less capital contributions	t	11,191	10,742	11,867	9,582	10,932	13,04
11a	(v):Asset Relocations							
	Project or programme*							
	Relocations		1,079	46	46	46	928	89
	Undergrounding		517	250	1,000	1,000	1,000	1,00
	Transit Hamilton Bypass		-	600	700	800	718	2,00
	Transit Huntly Bypass		_	600	500	400		
	Longswamp		_	400	400	400	-	
	-							
	*include additional rows if needed							
	All other asset relocations projects or programmes	Γ	-	-	-	-	-	
	Asset relocations expenditure	ſ	1.596	1.896	2,646	2,646	2,646	1.89
1		-	854	1.094	1.527	1.527	1.527	1.09
	ess Capital contributions funding asset relocations Asset relocations less capital contributions	ľ	854 741	1,094 801	1,527 1,119	1,527 1,119	1,527 1,119	1,09/ 80
	ess Capital contributions funding asset relocations Asset relocations less capital contributions ((vi):Quality of Supply	Ē						
	capital contributions funding asset relocations Asset relocations less capital contributions (vi):Quality of Supply Project or programme*	ſ	741	801	1,119	1,119	1,119	80:
	ess Capital contributions funding asset relocations Asset relocations less capital contributions (vi):Quality of Supply Project or programme* Voltage upgrade projects due to monitoring	Ē	847	801	1,119	1,119	1,119	80:
	ess Capital contributions funding asset relocations Asset relocations less capital contributions (vi):Quality of Supply Project or programme* Voltage upgrade projects due to monitoring Power Quality - Works required to correct customer complaints	Ē	741 847 550	801 400 400	1,119 500 300	1,119 500 200	1,119 500 100	80: 50: 51: 51: 51:
	ess Capital contributions funding asset relocations Asset relocations less capital contributions (vi):Quality of Supply Project or programme* Voltage upgrade projects due to monitoring	Ē	847	801	1,119	1,119	1,119	80 50 5
	ess Capital contributions funding asset relocations Asset relocations less capital contributions (vi):Quality of Supply Project or programme* Voltage upgrade projects due to monitoring Power Quality - Works required to correct customer complaints		741 847 550	801 400 400	1,119 500 300	1,119 500 200	1,119 500 100	80 50 5
	ess Capital contributions funding asset relocations Asset relocations less capital contributions ((vi):Quality of Supply Project or programme* Voltage upgrade projects due to monitoring Power Quality - Works required to correct customer complaints Network Work Due To DG applications		741 847 550	801 400 400	1,119 500 300	1,119 500 200	1,119 500 100	80 50 5
	ess Capital contributions funding asset relocations Asset relocations less capital contributions (vi):Quality of Supply Project or programme* Voltage upgrade projects due to monitoring Power Quality - Works required to correct customer complaints Network Work Due To DG applications *include additional rows if needed		741 847 550	801 400 400	1,119 500 300	1,119 500 200	1,119 500 100	80 50 5
	ess Capital contributions funding asset relocations Asset relocations less capital contributions ((vi):Quality of Supply Project or programme* Voltage upgrade projects due to monitoring Power Quality - Works required to correct customer complaints Network Work Due To DG applications	i i i i i i i i i i i i i i i i i i i	741 847 550	801 400 400	1,119 500 300	1,119 500 200	1,119 500 100	80 50 5
11a	ess Capital contributions funding asset relocations Asset relocations less capital contributions (vi):Quality of Supply Project or programme* Voltage upgrade projects due to monitoring Power Quality - Works required to correct customer complaints Network Work Due To DG applications ·	l l l l	741 847 550 96	400 400 50	1,119 500 300 50	1,119 500 200 50	1,119 500 100 50	80 50 5
11a	ess Capital contributions funding asset relocations Asset relocations less capital contributions ((vi):Quality of Supply Project or programme* Voltage upgrade projects due to monitoring Power Quality - Works required to correct customer complaints Network Work Due To DG applications		741 847 550 96	400 400 50	1,119 500 300 50	1,119 500 200 50	1,119 500 100 50	80 50 51 51 600
11a	ess Capital contributions funding asset relocations Asset relocations less capital contributions (vi):Quality of Supply Project or programme* Voltage upgrade projects due to monitoring Power Quality - Works required to correct customer complaints Network Work Due To DG applications *include additional rows if needed All other quality of supply projects or programmes Quality of supply expedienture Quality of supply expedienture Ess Capital contributions funding quality of supply		741 847 550 96	801 400 400 50 	1,119 500 300 50 - - 850 -	1,119 500 200 50 	1,119 500 100 50 - - - -	80 50 5 5 60
11a ^	ess Capital contributions funding asset relocations Asset relocations less capital contributions (vi):Quality of Supply Project or programme* Voltage upgrade projects due to monitoring Power Quality - Works required to correct customer complaints Network Work Due To DG applications *include additional rows if needed All other quality of supply projects or programmes Quality of supply expedienture Quality of supply expedienture Ess Capital contributions funding quality of supply		741 847 550 96	801 400 400 50 	1,119 500 300 50 - - 850 -	1,119 500 200 50 	1,119 500 100 50 - - - -	80 50 51 51 600
11a ^	ess Capital contributions funding asset relocations Asset relocations less capital contributions (vi):Quality of Supply Project or programme* Vortage upgrade projects due to monitoring Power Quality - Works required to correct customer complaints Network Work Due To DG applications 		741 847 550 96	801 400 400 50 	1,119 500 300 50 - - 850 -	1,119 500 200 50 	1,119 500 100 50 - - - -	80 50 5 5 60
11a ^	ess Capital contributions funding asset relocations Asset relocations less capital contributions ((vi):Quality of Supply Project or programme* Voltage upgrade projects due to monitoring Power Quality - Works required to correct customer complaints Network Work Due To DG applications *include additional rows if needed Al other quality of supply projects or programmes Quality of supply expenditure Capital contributions funding quality of supply Quality of supply less capital contributions ((vii): Legislative and Regulatory		741 847 550 96	801 400 400 50 	1,119 500 300 50 - - 850 -	1,119 500 200 50 	1,119 500 100 50 - - - -	80 50 51 51 600
11a ^	ess Capital contributions funding asset relocations Asset relocations less capital contributions (vi):Quality of Supply Project or programme* Voltage upgrade projects due to monitoring Power Quality - Works required to correct customer complaints Network Work Due To DG applications		741 847 550 36 1,493 1,493	801 400 400 50 850 850	1,119 500 300 50 50 - 850 - 850	1,119 500 200 50 50 750	1,119 500 100 50 650 	
11a ^	ess Capital contributions funding asset relocations Asset relocations less capital contributions ((vi):Quality of Supply Project or programme* Voltage upgrade projects due to monitoring Power Quality - Works required to correct customer complaints Network Work Due To DG applications Network Work Due To DG applications Network Work Due To DG applications Network Work Due To DG		741 847 550 36 1,493 1,493	801 400 400 50 850 850	1,119 500 300 50 50	1,119 500 200 50 50 750	1,119 500 100 50 650 	80 50 51 51 600
11a ^	ess Capital contributions funding asset relocations Asset relocations less capital contributions ((vi):Quality of Supply Project or programme* Voltage upgrade projects due to monitoring Power Quality - Works required to correct customer complaints Network Work Due To DG applications Network Work Due To DG applications Network Work Due To DG applications Network Work Due To DG		741 847 550 36 1,493 1,493	801 400 400 50 850 850	1,119 500 300 50 50	1,119 500 200 50 50 750	1,119 500 100 50 650 	80 50 51 51 600
11a ^	ess Capital contributions funding asset relocations Asset relocations less capital contributions ((vi):Quality of Supply Project or programme* Voltage upgrade projects due to monitoring Power Quality - Works required to correct customer complaints Network Work Due To DG applications Network Work Due To DG applications Network Work Due To DG applications Network Work Due To DG		741 847 550 36 1,493 1,493	801 400 400 50 850 850	1,119 500 300 50 50	1,119 500 200 50 50 750	1,119 500 100 50 650 	80 50 51 51 600
11a "	ess Capital contributions funding asset relocations Asset relocations less capital contributions ((vi):Quality of Supply Project or programme* Voltage upgrade projects due to monitoring Power Quality - Works required to correct customer complaints Network Work Due To DG applications		741 847 550 36 1,493 1,493	801 400 400 50 850 850	1,119 500 300 50 50	1,119 500 200 50 50 750	1,119 500 100 50 650 	80 50 51 51 600
11a "	ess Capital contributions funding asset relocations Asset relocations less capital contributions ((c):Quality of Supply Project or programme* Voltage upgrade projects due to monitoring Power Quality - Works required to correct customer complaints Network Work Due To DG applications Voltage upgrade projects due to monitoring Power Quality of supply projects or programmes Value additional rows if needed Al other quality of supply projects or programmes Quality of supply expenditure ess Capital contributions funding quality of supply Quality of supply less capital contributions ((vi): Legislative and Regulatory Project or programme* Seismic upgrades of substations AUFLS scheme changes		741 847 550 36 1,493 1,493	801 400 400 50 850 850	1,119 500 300 50 50	1,119 500 200 50 50 750	1,119 500 100 50 650 	80 50 51 51 600
11a ^	ess Capital contributions funding asset relocations Asset relocations less capital contributions ((vi):Quality of Supply Project or programme* Voltage upgrade projects due to monitoring Power Quality - Works required to correct customer complaints Network Work Due To DG applications Network Work Due To DG applicatio		741 847 550 36 1,493 1,493	801 400 400 50 850 850	1,119 500 300 50 50	1,119 500 200 50 50 750	1,119 500 100 50 650 	80 50 51 51 600
11a , 11a	ess Capital contributions funding asset relocations Asset relocations less capital contributions ((vi):Quality of Supply Project or programme* Voltage upgrade projects due to monitoring Power Quality - Works required to correct customer complaints Network Work Due To DG applications [741 847 550 96 1,493 1,493 206	801 400 400 50 850 850 385 -	1,119 500 300 50 50 850 850 100 150	1,119 500 200 50 50 750 750 100	1,119 500 100 50 50 650 650 650	80 50 51 51 600

161								
162			Current Year CY	CY+1	CY+2	CY+3	CY+4	CY+5
		for year ended	31 Mar 15	31 Mar 16	31 Mar 17	31 Mar 18	31 Mar 19	31 Mar 20
163	11a(viii): Other Reliability, Safety and Environment							
164	Project or programme*	-	\$000 (in constant pri	æs)				
165	UFB Fibre roll out - make ready works for the overhead fibre deployment		398	464	503	-	-	-
	Ground fault neutralizer installation for rural substations		350	-	1,035	1,500	750	750
166	Mitigation of line clashing near zone substations		-	160	80	80	80	80
167	Substation Site Security Access Project		132	90	122	16	-	-
168	Network Automation		514	564	-	-	-	-
169	Install Caro Switching Station and de commissioning of Garden Place Switchi	ng Station	54	350	1,340	-	-	
	"Daisy-chained" Distribution Transformers Upgrade (Gap Analysis)		-	-	-	-	-	-
	Arc Flash protection installation	L	58	800	600	-	-	-
170	*include additional rows if needed	г	71	(398)	(0.05)	306	215	200
171 172	All other reliability, safety and environment projects or programmes	ł	1,576		(115) 3,564		216 1,046	
172	Other reliability, safety and environment expenditure less Capital contributions funding other reliability, safety and environment	ŀ	1,578	2,030	126	1,902	1,040	1,030
173	Other reliability, safety and environment less capital contributions	ł	1.477	1.913	3,438	1.902	1.046	1.030
175	other relability, safety and environment less capital contributions	L	1,477	1,515	5,450	1,502	1,040	1,050
176								
177								
178	11a(ix): Non-Network Assets							
179	Routine expenditure							
180	Project or programme*							
181	Computer Equipment		764	450	300	700	400	300
182	Comp Software	-	1,280	1,790	900	1,950	1,080	1,510
183	Plant and Equipment		465	724	249	229	229	229
184	Motor Vehicles		1,591	1,964	846	1,118	188	735
185								
186	*include additional rows if needed		· · · ·					
187	All other routine expenditure projects or programmes	Γ	-	-	-	-	-	-
188	Routine expenditure		4,100	4,928	2,295	3,997	1,897	2,774
189	Atypical expenditure	_						
190	Project or programme*	_						
191	Office and depot purchase and renovations		-	-	-	-	-	-
192								
193	· · · · · · · · · · · · · · · · · · ·							
194	• • • • • • • • • • • • • • • • • • •							
195								
196	*include additional rows if needed	-						
197	All other atypical projects or programmes		-	-	-	-	-	-
198	Atypical expenditure		-	-	-	-	-	-
199		-						
200	Non-network assets expenditure		4,100	4,928	2,295	3,997	1,897	2,774

SCHEDULE 11B: REPORT ON FORECAST OPERATIONAL EXPENDITURE

									(Company Name	WEL	Networks Limite	ed
									AMP	Planning Period	1 April 3	2015 – 31 March	2025
2	HEDULE 11b: REPORT ON FORECAST OPERATIONAL	EXDENI											
	schedule requires a breakdown of forecast operational expenditure for the discl			noried. The forecasts	should be consistent	with the supporting	information cot out	in the AMD. The force	act is to be overesse	d in both constant ar	ice and nominal dell	a r tarma	
	must provide explanatory comment on the difference between constant price and							in the Awr. the forec	ast is to be expressed	a in both constant pri	ice and nominal dom	ai ternis.	
	information is not part of audited disclosure information.												
h ref													
7			Current Year CY	CY+1	СҮ+2	CY+3	CY+4	CY+5	CY+6	CY+7	CY+8	CY+9	CY+10
8	fo	r year ended	31 Mar 15	31 Mar 16	31 Mar 17	31 Mar 18	31 Mar 19	31 Mar 20	31 Mar 21	31 Mar 22	31 Mar 23	31 Mar 24	31 Mar 25
-		,											
9	Operational Expenditure Forecast	-	\$000 (in nominal dolla	ars)									
0	Service interruptions and emergencies		2,558	2,842	2,806	2,767	2,725	2,680	2,633	2,582	2,528	2,471	2
11	Vegetation management		1,331	1,316	1,343	1,371	1,399	1,428	1,129	1,153	823	840	
12	Routine and corrective maintenance and inspection		2,268	2,011	2,112	2,265	2,318	2,414	2,432	2,579	2,687	2,787	2
13	Asset replacement and renewal		1,178	2,103	2,209	2,369	2,425	2,526	2,544	2,698	2,811	2,915	3
14	Network Opex		7,335	8,273	8,470	8,772	8,866	9,048	8,738	9,011	8,849	9,013	9
15	System operations and network support		4,179	3,934	3,958	4,204	4,093	4,119	4,123	4,292	4,396	4,484	4
16	Business support		7,459	8,117	8,436	8,604	8,831	8,952	9,131	9,371	9,500	9,690	9
17	Non-network opex		11,637	12,051	12,394	12,809 21,580	12,924	13,071	13,254	13,663 22,675	13,896 22,745	14,173	14
18	Operational expenditure		18,972	20,324	20,864	21,580	21,790	22,119	21,992	22,675	22,/45	23,187	23
19			Current Year CY	CY+1	CY+2	CY+3	CY+4	CY+5	CY+6	CY+7	CY+8	CY+9	CY+10
20	fo	r year ended	31 Mar 15	31 Mar 16	31 Mar 17	31 Mar 18	31 Mar 19	31 Mar 20	31 Mar 21	31 Mar 22	31 Mar 23	31 Mar 24	31 Mar 25
1		-	\$000 (in constant pric	es)									
2	Service interruptions and emergencies		2,558	2,785	2,694	2,603	2,513	2,422	2,331	2,240	2,149	2,058	1
23	Vegetation management		1,331	1,290	1,290	1,290	1,290	1,290	1,000	1,000	700	700	
24	Routine and corrective maintenance and inspection		2,268	1,970	2,028	2,131	2,137	2,181	2,153	2,238	2,284	2,322	2
25	Asset replacement and renewal		1,178	2,061	2,121	2,229	2,236	2,282	2,252	2,341	2,390	2,429	2
26	Network Opex		7,335	8,107	8,134	8,254	8,175	8,175	7,737	7,818	7,523	7,509	7
27	System operations and network support		4,179	3,856	3,805	3,962	3,782	3,731	3,661	3,737	3,752	3,752	3
28	Business support		7,459	7,958	8,108	8,108	8,158	8,108	8,108	8,158	8,108	8,108	8
29	Non-network opex		11,637	11,814	11,913	12,070	11,940	11,839	11,769	11,895	11,860	11,860	1:
80	Operational expenditure	L	18,972	19,921	20,046	20,323	20,115	20,014	19,505	19,713	19,383	19,368	19
31	Subcomponents of operational expenditure (where known)												
22													
33	Energy efficiency and demand side management, reduction of energy losses]	735	802	792	792	792	792	772	772	772	772	
34	Direct billing*		755	002	152	152	152	152	112	112	112	112	
35	Research and Development		10	10	10	10	10	10	10	10	10	10	
16	Insurance		463	463	463	463	463	463	463	463	463	463	
87 *	Direct billing expenditure by suppliers that direct bill the majority of their consumer.	5											
18													
19			Current Year CY	CY+1	CY+2	CY+3	CY+4	CY+5	CY+6	CY+7	CY+8	CY+9	CY+10
10	fo	r year ended	31 Mar 15	31 Mar 16	31 Mar 17	31 Mar 18	31 Mar 19	31 Mar 20	31 Mar 21	31 Mar 22	31 Mar 23	31 Mar 24	31 Mar 25
11	Difference between nominal and real forecasts		\$000										
12	Service interruptions and emergencies		-	57	112	163	212	259	302	342	379	412	
13	Vegetation management		-	26	53	81	109	138	129	153	123	140	
14	Routine and corrective maintenance and inspection		-	40	84	134	181	233	279	342	403	465	
45	Asset replacement and renewal		-	42	88	140	189	244	292	357	421	487	
16	Network Opex		-	166	337	518	691	873	1,002	1,193	1,326	1,505	1
17	System operations and network support		-	77	154	242	312	388	462	556	644	732	
48	Business support		-	159	328	496	672	844	1,023	1,213	1,392	1,582	1
19	Non-network opex		-	236	481	739	984	1,232	1,485	1,769	2,036	2,314	2
50	Operational expenditure			402	818	1.257	1.675	2.105	2.487	2,962	3.362	3.818	4

SCHEDULE 12A: REPORT ON ASSET CONDITION

							(Company Name	WEI	Networks Limi	ited
							AMP I	Planning Period	1 April	2015 – 31 Marc	ch 2025
СН	EDULE	12a: REPORT ON ASS	ET CONDITION								
			tion by asset class as at the start of the forecast year. The data accuracy as								f units to be
lad	ed in the n	ext 5 years. All information shoul	d be consistent with the information provided in the AMP and the expenditur	re on assets fo	precast in Schedule	11a. All units relatir	ng to cable and line	e assets, that are e	opressed in km, refer	to circuit lengths.	
f											
						Asset co	ndition at start of p	planning period (pe	rcentage of units by	grade)	
											% of asset fo
	Voltage	Asset category	Asset class	Units	Grade 1	Grade 2	Grade 3	Grade 4	Grade unknown	Data accuracy	to be repla
										(1-4)	next 5 ye
	All	Overhead Line	Concrete poles / steel structure	No.	1.13%	8.01%	26.27%	54.59%	10.00%	2	
	All	Overhead Line	Wood poles	No.	7.58%	37.99%	18.62%	25.82%	10.00%	2	
	All	Overhead Line	Other pole types	No.	-	-	-		-	N/A	
	HV	Subtransmission Line	Subtransmission OH up to 66kV conductor	km	-	-	54.87%	45.13%	-	1	
	HV HV	Subtransmission Line Subtransmission Cable	Subtransmission OH 110kV+ conductor Subtransmission UG up to 66kV (XLPE)	km km	-	- 0.81%	- 1.21%	97.98%	-	N/A	
	HV	Subtransmission Cable	Subtransmission UG up to 66kV (ALPE) Subtransmission UG up to 66kV (Oil pressurised)	km	-	0.81%	1.2176	97.98%	-	N/A	
	HV	Subtransmission Cable	Subtransmission UG up to 66kV (Gas pressurised)	km	-	-	-		-	N/A	
	HV	Subtransmission Cable	Subtransmission UG up to 66kV (PILC)	km	-	0.81%	1.21%	97.98%		1	
	HV	Subtransmission Cable	Subtransmission UG 110kV+ (XLPE)	km	-	-	-		-	N/A	
	HV	Subtransmission Cable	Subtransmission UG 110kV+ (Oil pressurised)	km	-	-	-		-	N/A	
	HV HV	Subtransmission Cable Subtransmission Cable	Subtransmission UG 110kV+ (Gas Pressurised) Subtransmission UG 110kV+ (PILC)	km km	-	-	-		-	N/A N/A	
	HV	Subtransmission Cable	Subtransmission og 110kv+ (PIC) Subtransmission submarine cable	km	-					N/A N/A	
	HV	Zone substation Buildings	Zone substations up to 66kV	No.	2.32%	30.12%	50.98%	11.59%	5.00%	3	
	HV	Zone substation Buildings	Zone substations 110kV+	No.	-	-	-	-	-	N/A	
	HV	Zone substation switchgear	22/33kV CB (Indoor)	No.	-	-	49.88%	45.13%	5.00%	3	
	HV	Zone substation switchgear	22/33kV CB (Outdoor)	No.	-	-	49.88%	45.13%	5.00%	3	
	HV	Zone substation switchgear	33kV Switch (Ground Mounted)	No.	-	-	-		-	N/A	
	HV HV	Zone substation switchgear Zone substation switchgear	33kV Switch (Pole Mounted) 33kV RMU	No. No.	-	-	100.00%	100.00%	-	3	
	HV	Zone substation switchgear	50/66/110kV CB (Indoor)	No.			-	100.00%		N/A	
	HV	Zone substation switchgear	50/66/110kV CB (Outdoor)	No.	-	-	-		-	N/A	
	HV	Zone substation switchgear	3.3/6.6/11/22kV CB (ground mounted)	No.	-	-	-		-	N/A	
	HV	Zone substation switchgear	3.3/6.6/11/22kV CB (pole mounted)	No.	-	-	-		-	N/A	
						Asset co	ndition at start of r	planning period (pe	rcentage of units by	grade)	
	Voltage										
		Asset category	Asset dass	Units	Grade 1	Grade 2	Grade 3	Grade 4	Grade unknown	Data accuracy (1-4)	to be repla
						Grade 2		Grade 4		Data accuracy	to be repla
	HV	Zone Substation Transformer	Zone Substation Transformers	No.	1.21%		76.92%	Grade 4 16.87%	Grade unknown	Data accuracy	to be repla
	HV	Zone Substation Transformer Distribution Line	Zone Substation Transformers Distribution OH Open Wire Conductor	No. km		Grade 2 - 4.99%		Grade 4		Data accuracy (1-4) 3 2	to be repla
	HV HV	Zone Substation Transformer Distribution Line Distribution Line	Zone Substation Transformers Distribution OH Open Wire Conductor Distribution OH Aerial Cable Conductor	No. km km	1.21%		76.92%	Grade 4 16.87%		Data accuracy (1-4) 3 2 N/A	to be repla
	HV	Zone Substation Transformer Distribution Line	Zone Substation Transformers Distribution OH Open Wire Conductor	No. km	1.21%		76.92%	Grade 4 16.87%		Data accuracy (1-4) 3 2	to be repla
	HV HV HV	Zone Substation Transformer Distribution Line Distribution Line Distribution Line	Zone Substation Transformers Distribution OH Open Wire Conductor Distribution OH Aerial Cable Conductor SWER conductor	No. km km	1.21%	- 4.99% - -	76.92% 16.59% -	Grade 4 16.87% 58.71%		Data accuracy (1-4) 3 2 N/A	to be repla
	HV HV HV HV HV	Zone Substation Transformer Distribution Line Distribution Line Distribution Cable Distribution Cable Distribution Cable	Zone Substation Transformers Distribution OH Open Wire Conductor Distribution OH Aerial Lable Conductor SWER conductor Distribution UG XUPE or PVC Distribution UG XUPE or PVC Distribution SUB PIUC Distribution SUBmarine Cable	No. km km km km km	1.21%	4.99% - - 10.48%	76.92% 16.59% - - 8.94% 8.94% -	Grade 4		Data accuracy (1-4) 3 2 N/A	to be replanded to be replande
	HV HV HV HV HV HV	Zone Substation Transformer Distribution Line Distribution Line Distribution Cable Distribution Cable Distribution Cable Distribution cable Distribution switchgear	Zone Substation Transformers Distribution OH Open Wire Conductor Distribution OH Aerial Cable Conductor SWER conductor Distribution UG XUPE or PVC Distribution UG PUC Distribution Submarine Cable 3.3/66/11/22kV CB (pole mounted) - reclosers and sectionalisers	No. km km km km km	1.21% 19.71% - - - -	4.99% - - 10.48%	76.92% 16.59% - - 8.94% 8.94% - - 84.78%	Grade 4	5.00%	Data accuracy (1-4) 3 2 2 N/A N/A 1 1	to be repla next 5 y
	HV HV HV HV HV HV HV	Zone Substation Transformer Distribution Line Distribution Line Distribution Cable Distribution Cable Distribution Cable Distribution Cable Distribution switchgear Distribution switchgear	Zone Substation Transformers Distribution OH Open Wire Conductor Distribution OH Aerial Lable Conductor SWRR conductor Distribution UG XLPE or PVC Distribution UG PILC Distribution Submarine Cable 3.3/66/11/22KV CB (pidoor)	No. km km km km km No. No.	1.21% 19.71% - - - - - - - - - - - - - - - - - - -	- 4.99% - - - 10.48% 10.48% - - -	76.92% 16.59% - - - - - - - - - - - - - - - - - - -	Grade 4 16.87% 58.71% 80.59% 80.59% 15.22% 45.29%	5.00%	Data accuracy (1-4) 3 2 2 N/A N/A 1 1	to be replanded to be replande
	HV HV HV HV HV HV	Zone Substation Transformer Distribution Line Distribution Line Distribution Cable Distribution Cable Distribution Cable Distribution Cable Distribution switchgear Distribution switchgear	Zone Substation Transformers Distribution OH Open Wire Conductor Distribution OH Aerial Cable Conductor SWER conductor Distribution UG XUP or PVC Distribution UG PUC Distribution UG PUC 3.3/6.6/11/22KV CB (pole mounted) - reclosers and sectionalisers 3.3/6.6/11/22KV CB (indocr) 3.3/6.6/11/22KV SWItchs and fulses (pole mounted)	No. km km km km km No. No. No.	1.21% 19.71% - - - -	- 4.99% - - - 10.48%	76.92% 16.59% - - 8.94% 8.94% - - 84.78%	Grade 4	5.00%	Data scuracy (1-4) 3 2 N/A 1 1 N/A 3 3 3 3 4	to be replanded to be replande
	HV HV HV HV HV HV HV HV	Zone Substation Transformer Distribution Line Distribution Line Distribution Cable Distribution Cable Distribution Cable Distribution Cable Distribution switchgear Distribution switchgear	Zone Substation Transformers Distribution OH Open Wire Conductor Distribution OH Aerial Lable Conductor SWRR conductor Distribution UG XLPE or PVC Distribution UG PILC Distribution Submarine Cable 3.3/66/11/22KV CB (pidoor)	No. km km km km km No. No.	1.21% 19.71% - - - - - - - - - - - - - - - - - - -	- 4.99% - - - - - - - - - - - - - - - - - -	76.92% 16.59% 	Grade 4	5.00% 	Data accuracy (1-4) 3 2 2 N/A N/A 1 1	to be replanded to be replande
	HV HV HV HV HV HV HV	Zone Substation Transformer Distribution Line Distribution Line Distribution Cable Distribution Cable Distribution Cable Distribution Switchgear Distribution switchgear Distribution switchgear	Zone Substation Transformers Distribution OH Open Wire Conductor Distribution OH Aerial Cable Conductor SWER conductor Distribution UG XUPE or IVC Distribution Submarine Cable 33/66/11/22KV G (pole mounted) - recelosers and sectionalisers 33/66/11/22KV G (pole mounted) - recept RNU	No. km km km km km No. No. No. No.	1.21% 19.71% - - - - - - - - - - - - - - - - - - -	- 4.99% - - 10.48% 10.48% - -	76.92% 16.59% - - - - - - - - - - - - - - - - - - -	Grade 4 16.87% 58.71% 80.59% 80.59% 15.22% 45.29%	5.00%	Data scuracy (1-4) 3 2 N/A 1 1 N/A 3 3 3 3 4	to be replanded to be replande
	HV HV HV HV HV HV HV HV HV	Zone Substation Transformer Distribution Line Distribution Une Distribution Cable Distribution Cable Distribution Cable Distribution Switchgear Distribution switchgear Distribution switchgear Distribution switchgear	Zone Substation Transformers Distribution OH Open Wire Coductor Distribution OH Aerial Cable Conductor SWER conductor Distribution US XUE or PVC Distribution US WIE or PVC 3.3/66/11/22VC B (Indoor) 3.3/66/11/22VC B (Indoor) 3.3/66/11/22VC B (Indoor) 3.3/66/11/22VC Winth (ground mounted) - except RMU 3.3/66/11/22VC Winth (ground mounted) - except RMU 3.3/66/11/22VC MMU	No. km km km km No. No. No. No. No.	1.21% 19.71% - - - - - - - - - - - - - - - - - - -	4.99% 10.48% 10.48% 	76.92% 16.59% 8.94% 8.94% 8.94% 84.78% 49.05% 23.94% 57.56%	Grade 4	5.00% 5.00% 5.00% 15.00% 25.00% 20.00%	Data scuracy (1-4) 3 2 N/A 1 1 N/A 3 3 3 3 4	to be repla next 5 y
	HV HV HV HV HV HV HV HV HV HV HV HV	Zone Substation Transformer Distribution Une Distribution Une Distribution Cable Distribution Cable Distribution Cable Distribution Switchgear Distribution switchgear Distribution switchgear Distribution switchgear Distribution switchgear Distribution Transformer Distribution Transformer Distribution Transformer	Zone Substation Transformers Distribution OH Open Wire Conductor Distribution OH Aerial Cable Conductor SWER conductor Distribution UG XUP or PVC Distribution UG PUC Distribution Submarine Cable 3.3/66/11/22W CB (pole mounted) - reclosers and sectionalisers 3.3/66/11/22W CB (pole mounted) - reclosers and sectionalisers 3.3/66/11/22W CB (pole mounted) - reclosers and sectionalisers 3.3/66/11/22W CB (pole mounted) - recept RMU 3.3/66/11/22W Switch (pround mounted) - except RMU 3.3/66/11/22W Switch (pround mounted	No. km km km km km No. No. No. No. No. No. No. No. No.	1.21% 19.71% 	4.99% 10.48% 10.48% 0.30% 0.30% 0.30%	76.92% 16.59% 8.94% 8.94% 	Grade 4 16.87% 58.71% 80.59% 80.59% 80.59% 80.59% 90.50% 59.66% 50.67%	5.00% 	Data sccuracy (1-4) 3 2 N/A 1 2 N/A 3 4 N/A 3 4 3 2 3 4 3 3 3 3 3 3 3	to be repla next 5 y
	HV HV HV HV HV HV HV HV HV HV HV HV HV	Zone Substation Transformer Distribution Line Distribution Une Distribution Cable Distribution Cable Distribution Cable Distribution switchgear Distribution switchgear Distribution switchgear Distribution switchgear Distribution switchgear Distribution Transformer Distribution Transformer Distribution Transformer Distribution Transformer Distribution Transformer	Zone Substation Transformers Distribution OH Open Wire Conductor Distribution OH Aerial Lable Conductor SWRR conductor Distribution UG XLPE or PVC Distribution SUBmarine Cable 3.3/66/11/22VC B (Indoor) 3.3/66/11/22VC B (Indoor) 3.3/66/11/22VC B (Indoor) 3.3/66/11/22V Switch iground mounted) - except RMU 3.3/66/11/22V RMU	No. km km km km km No. No. No. No. No. No. No. No. No. No.	1.21% 19.71% 	4.99% 10.48% 10.48% 0.30% 0.30% 0.85% 5.36% 15.83%	76.92% 16.59% 8.94% 8.94% 40.05% 23.94% 57.56% 17.48% 36.87% 19.35%	Grade 4 16.87% 58.71% 80.55% 80.55% 80.55% 80.55% 15.22% 9.66% 9.95% 9.96%	5.00% 5.00% 5.00% 15.00% 25.00% 20.00%	Data scuracy (1-4) 3 2 N/A 1 1 N/A 3 3 3 3 4	to be repla next 5 y
	HV HV HV HV HV HV HV HV HV HV HV LV	Zone Substation Transformer Distribution Une Distribution Une Distribution Cable Distribution Cable Distribution Cable Distribution Cable Distribution switchgear Distribution Switchgear	Zone Substation Transformers Distribution OH Open Wire Conductor Distribution OH Aerial Cable Conductor SWER conductor Distribution US XUP OF PVC Distribution US XUP OF PVC Distribution SUBmarine Cable 3.3/66.1/12/2VC B (pdoor) 3.3/66.1/12/2VC B (pdoor) 3.3/66.1/12/2VC B (pdoor) 3.3/66.1/12/2VC B (pdoor) 3.3/66.1/12/2VC With Ground mounted) - except RMU 3.3/66.1/12/2V With Caronary Pole Mounted Transformer Ground Mounted Transformer Voltage regulators Ground Mounted Substation Housing LVOH Conductor	No. km km km km No. No. No. No. No. No. No. No. No. No.	1.21% 19.71% 	4.99% 	76.92% 16.59% 8.94% 8.94% 8.94% 23.94% 57.56% 17.48% 36.87% 19.35% 5.00%	Grade 4	5.00% 5.00% 5.00% 15.00% 25.00% 20.00%	Data sccuracy (1-4) 3 2 N/A 1 2 N/A 3 4 N/A 3 4 3 2 3 4 3 3 3 3 3 3 3	to be repla next 5 y
	HV HV HV HV HV HV HV HV HV HV LV LV	Zone Substation Transformer Distribution Line Distribution Line Distribution Cable Distribution Cable Distribution Cable Distribution Cable Distribution cable Distribution switchgear Distribution switchgear Distribution switchgear Distribution Transformer Distribution Transformer Distribution Transformer Distribution Transformer Distribution Transformer Distribution Statistions LV Line LV Cable	Zone Substation Transformers Distribution OH Open Wire Conductor Distribution OH Aerial Cable Conductor SWER conductor Distribution UG XUE Or PVC Distribution Submarine Cable 3.3/66/11/22kV CB (Indoor) 3.3/66/11/22kV CB (Indoor) 3.3/66/11/22kV Witches and fuses (pole mounted) 3.3/66/11/22kV Mitches (p	No. km km km km km No. No. No. No. No. No. No. No. km km	1.21% 19.71% 	4.99% 10.48% 10.48% 10.48% 0.30% 0.30% 0.35% 5.36% 15.83% 19.72% 0.24%	76.92% 16.59% 8.94% 8.94% 44.78% 44.78% 43.94% 23.94% 23.94% 23.94% 35.756% 17.45% 36.87% 19.35% 5.00% 29.67%	Crade 4	5.00% 5.00% 5.00% 15.00% 25.00% 20.00%	Data sccuracy (1-4) 3 2 N/A 1 2 N/A 3 4 N/A 3 4 3 2 3 4 3 3 3 3 3 3 3	to be repla next 5 y
	HV HV HV HV HV HV HV HV HV HV HV LV	Zone Substation Transformer Distribution Une Distribution Une Distribution Cable Distribution Cable Distribution Cable Distribution Cable Distribution switchgear Distribution Switchgear	Zone Substation Transformers Distribution OH Open Wire Conductor Distribution OH Aerial Cable Conductor SWER conductor Distribution US XUE or PVC Distribution US XUE or PVC Bistribution SUBmarine Cable 3.3/66/11/224V CB (Indoor) 3.3/66/11/224V CB (Indoor) 3.3/66/11/224V CB (Indoor) 3.3/66/11/224V SWIchs and fuses (pole mounted) 3.3/66/11/224V SWIch (ground mounted) - except RMU 3.3/66/11/224V SWIch (ground moun	No. km km km km No. No. No. No. No. No. No. No. No. No.	1.21% 19.71% 	4.99% 	76.92% 16.59% 8.94% 8.94% 8.94% 23.94% 57.56% 17.48% 36.87% 19.35% 5.00%	Grade 4	5.00% 5.00% 5.00% 15.00% 25.00% 20.00%	Data sccuracy (1-4) 3 2 N/A 1 2 N/A 3 4 N/A 3 4 N/A 3 4 3 2 3 3 3 3 3 3	to be repla next 5 y
	HV HV HV HV HV HV HV HV HV HV LV LV LV LV LV	Zone Substation Transformer Distribution Line Distribution Une Distribution Cable Distribution Cable Distribution Cable Distribution Switchgear Distribution switchgear Distribution switchgear Distribution switchgear Distribution switchgear Distribution switchgear Distribution switchgear Distribution switchgear Distribution Transformer Distribution Transformer Distribution Transformer Distribution Substations LV Line UV Statellighting Connections	Zone Substation Transformers Distribution OH Open Wire Conductor Distribution OH Aerial Cable Conductor SWER conductor Distribution UG XUE Or PVC Distribution Submarine Cable 3.3/66/11/22kV CB (Indoor) 3.3/66/11/22kV CB (Indoor) 3.3/66/11/22kV Witches and fuses (pole mounted) 3.3/66/11/22kV Mitches (p	No. km km km km km No. No. No. No. No. No. No. No. No. No.	1.21% 19.71% 	4.99% 10.48% 10.48% 10.48% 0.30% 0.30% 0.35% 5.36% 15.83% 19.72% 0.24%	76.92% 16.59% 8.94% 8.94% 44.78% 44.78% 43.94% 23.94% 23.94% 23.94% 35.756% 17.45% 36.87% 19.35% 5.00% 29.67%	Crade 4	5.00% 5.00% 5.00% 15.00% 25.00% 20.00%	Data accurry (1-4) 2 N/A 3 0 1 1 N/A 3 0 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1	to be replaned in the second s
	HV HV HV HV HV HV HV HV HV HV HV HV HV H	Zone Substation Transformer Distribution Une Distribution Une Distribution Cable Distribution Cable Distribution Cable Distribution Cable Distribution Switchgear Distribution Switchgear Distribution Switchgear Distribution Switchgear Distribution Switchgear Distribution Switchgear Distribution Switchgear Distribution Stategar Distribution Switchgear Distribution S	Zone Substation Transformers Distribution OH Open Wire Conductor Distribution OH Aerial Cable Conductor SWER conductor US (2000) Conductor Distribution US (2000) Conductor Distribution US (2000) Conductor 3.3/66/11/224V CB (pole mounted) - recisiosers and sectionalisers 3.3/66/11/224V CB (pole mounted) - recept RMU 3.3/66/11/224V Switch (ground mounted) - except RMU 4.3/67/67/70000000000000000000000000000000	No. km km km km km km No. No. No. No. No. No. No. No. No. Km km km km km Lot	1.21% 19.71% 	4.99% 4.99% 10.48% 10.48% 0.85% 5.36% 15.83% 19.72% 0.24% 9.58%	76.92% 16.59% 8.94% 8.94% 8.478% 4.695% 2.394% 2.394% 7.556% 17.48% 19.35% 9.500% 2.967% 17.45%	Crade 4	5.00% 5.00% 5.00% 15.00% 25.00% 5.00% 5.00%	Data accurry (1-4) 2 N/A 3 0 1 1 N/A 3 0 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1	to be replaners by a second se
	HV HV HV HV HV HV HV HV HV HV LV LV LV LV LV LV LV	Zone Substation Transformer Distribution Line Distribution Line Distribution Cable Distribution Cable Distribution Cable Distribution switchgear Distribution switchgear Distribution switchgear Distribution switchgear Distribution Transformer Distribution Substations LV Une LV Cable LS ZonnetClons SCADA and communications	Zone Substation Transformers Distribution OH Open Wire Conductor Distribution OH Aerial Cable Conductor SWRR conductor Distribution UG XLPE or PVC Distribution SUBmarine Cable 3.3/66.11/22VC 0B (pole mounted) - reclosers and sectionalisers 3.3/66.11/22VC 0B (noder) 3.3/66.11/22VC 0B (noder) 3.3/66.11/22VC Work (ground mounted) - except RMU 3.3/66.11/22V Work (ground mounted) - except RMU 3.3/66.11/22V Work Pole Mounted Transformer Ground Mounted Transformer Voltage regulators Ground Mounted Transformer Voltage regulators Ground Mounted Transformer VOID conductor V UV G Cable V OH/UG Streetlight circuit OH/UG Streetlight circuit OH/UG content service connections Protection relays (electromechanical, solid state and numeric) SCADA and communications equipment operating as a single system Capacitors incluing controls	No. km km km km km km No. No. No. No. No. No. No. No. No. No.	1.21% 19.71% 	4.99% 10.48% 10.48% 0.30% 0.30% 0.35% 10.07% 0.25% 0.24% 9.58% 12.78%	76.92% 16.59% 8.94% 8.94% 23.94% 23.94% 23.94% 23.94% 17.45% 36.67% 10.35% 36.7% 30.04% 30.04%	Crade 4 16.87% 58.71% 80.55% 80.55% 75.22% 75.26% 75.26% 77.28% 72.28% 72.28% 72.28% 74.13% 84.13%	5.00% 5.00% 15.00% 25.00% 20.00% 5.00% 10.00%	Data accurry (1-4) 2 N/A 3 0 1 1 N/A 3 0 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1	% of asset fc to be repla next 5 ye
	HV HV HV HV HV HV HV HV HV HV LV LV LV LV LV LV LV LV LV LV LV LV LV	Zone Substation Transformer Distribution Line Distribution Line Distribution Cable Distribution Cable Distribution Cable Distribution cable Distribution cable Distribution switchgear Distribution switchgear Distribution switchgear Distribution switchgear Distribution switchgear Distribution switchgear Distribution Transformer Distribution Transformer Distribution Transformer Distribution Transformer Distribution Transformer Distribution Switchgear U Valle LV Statel U State U State Cable U State Cable Distribution Switchgear Distribution Switchgear Dist	Zone Substation Transformers Distribution OH Open Wire Conductor Distribution OH Aerial Cable Conductor SWER conductor Distribution US XUE for PVC Distribution US XUE for PVC 3.3/66.11/22XV CB (Indoor) 3.3/66.11/22XV CB (Indoor) 3.3/66.11/22XV CB (Indoor) 3.3/66.11/22XV CB (Indoor) 3.3/66.11/22XV CB (Indoor) 3.3/66.11/22XV CB (Indoor) 3.3/66.11/22XV SWItches and fuses (pole mounted) 3.3/65.11/22XV SWItches and fuses (pole mounted) 3.6/6.11/22XV SWItches and fuses (pole mounted) 3.6/6.11/22XV SWItches and fuses (pole mounted) 3.6/6.11/22XV SWItches and fuses (pole mounted) 9.3/6.5/11/22XV SWItches and fuses (pole mounted) 9.3/6.5/11/22XV SWItches and fuses (pole mounted) VICG Colle VIV GC cable VIV OH/UG Consumer service connections Protection relays (jetecromechanical, solid state and numeric) SCADA and communications equipment operating as a single system Capacitors including controls	NG. km km km km km km NO. NO. NO. NO. NO. NO. NO. NO. NO. LO. LOT NO. LOT	1.21% 19.71% 	4.99% 10.48% 10.48% 0.30% 0.30% 0.35% 10.07% 0.25% 0.24% 9.58% 12.78%	76.92% 16.59% 8.94% 8.94% 8.478% 4.695% 2.394% 2.394% 7.556% 17.48% 19.35% 9.500% 2.967% 17.45%	Crade 4	5.00% 5.00% 15.00% 25.00% 20.00% 5.00%	Data sciency	to be replained in the second
	HV HV HV HV HV HV HV HV HV HV LV LV LV LV LV LV LV	Zone Substation Transformer Distribution Line Distribution Line Distribution Cable Distribution Cable Distribution Cable Distribution switchgear Distribution switchgear Distribution switchgear Distribution switchgear Distribution Transformer Distribution Substations LV Une LV Cable LS ZonnetClons SCADA and communications	Zone Substation Transformers Distribution OH Open Wire Conductor Distribution OH Aerial Cable Conductor SWRR conductor Distribution UG XLPE or PVC Distribution SUBmarine Cable 3.3/66.11/22VC 0B (pole mounted) - reclosers and sectionalisers 3.3/66.11/22VC 0B (indoor) 3.3/66.11/22VC 0B (indoor) 3.3/66.11/22VC WHOL Pole Mounted Transformer Ground Mounted Transformer Voltage regulators Ground Mounter Substation Housing LV OH Conductor VI-VIG Streetlight circuit OH/VIG Grouner service Connections Protection relays (electromechanical, solid state and numeric) SCADA and communications equipment operating as a single system Capacitors incluing controls	No. km km km km km km No. No. No. No. No. No. No. No. No. No.	1.21% 19.71% 	4.99% 10.48% 10.48% 0.30% 0.30% 0.35% 10.07% 0.25% 0.24% 9.58% 12.78%	76.92% 16.59% 8.94% 8.94% 23.94% 23.94% 23.94% 23.94% 17.45% 36.67% 10.35% 36.7% 30.04% 30.04%	Crade 4 16.87% 58.71% 80.55% 80.55% 75.22% 75.26% 75.26% 77.28% 72.28% 72.28% 72.28% 74.13% 84.13%	5.00% 5.00% 15.00% 25.00% 20.00% 5.00% 10.00%	Data accurry (1-4) 2 N/A 3 0 1 1 N/A 3 0 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1	to be repla next 5 yr

SCHEDULE 12B: REPORT ON FORECAST CAPACITY

chedule requires a hould relate to the 12b(i): Syst Avaion Borna Bryce S Chartw Claude Cobhar Finlays Glasgo Gordor	an St twell delands am yson Rd gow St		on and current dist Installed Firm Capacity (MVA) 23 23 23 23 23 23 23 23 23 23	Security of Supply Classification (type) N-1 N-1 N-1 N-1	Transfer Capacity (MVA) 11 12 15	Utilisation of Installed Firm Capacity % 87%	Installed Firm Capacity +5 years (MVA) 23	Utilisation of Installed Firm Capacity + Syrs %	Installed Firm Capacity Constraint +5 years (cause)	1 April 2015 – 31 March 2025 Explanation
hedule requires a nould relate to the 12b(i): Syst <u>Existing</u> <u>Avalon</u> <u>Borna</u> <u>Bryce S</u> <u>Chartw</u> <u>Claude</u> <u>Clabas</u> <u>Glasgo</u> <u>Gordor</u>	a breakdown of current and forecast capacity and utilisat ne operation of the network in its normal steady state con stem Growth - Zone Substations ng Zone Substations on Dr an s St twell delands am yson Rd gow St onton	Current Peak Load (MVA) 20 12 15 18 20 13 12 3	Installed Firm Capacity (MVA) 23 23 23 23 23 23 23 23	Security of Supply Classification (type) N-1 N-1 N-1 N-1	Transfer Capacity (MVA) 11 12	Utilisation of Installed Firm Capacity % 87%	Installed Firm Capacity +5 years (MVA)	Utilisation of Installed Firm Capacity + Syrs %	Installed Firm Capacity Constraint +5 years (cause)	Explanation
12b(i): Syst <i>Existing</i> <i>Avalon</i> Borna Bryce 5 Chartw Claude Cobhat Finlays Glasgo Gordor	the operation of the network in its normal steady state con stem Growth - Zone Substations Ing Zone Substations on Dr an SS twell delands am you Rd gow St onton	Current Peak Load (MVA) 20 12 15 18 20 13 12 3	Installed Firm Capacity (MVA) 23 23 23 23 23 23 23 23	Security of Supply Classification (type) N-1 N-1 N-1 N-1	Transfer Capacity (MVA) 11 12	Utilisation of Installed Firm Capacity % 87%	Installed Firm Capacity +5 years (MVA)	Utilisation of Installed Firm Capacity + Syrs %	Installed Firm Capacity Constraint +5 years (cause)	Explanation
12b(i): Syst Existing Avalon Borma Borma Chartw Claude Cobha Finlay: Glasgo Gordor	stem Growth - Zone Substations ng Zone Substations on Dr an Set	Current Peak Load (MVA) 20 12 15 18 20 13	Capacity (MVA) 23 23 23 23 23 23 23	Classification (type) N-1 N-1 N-1 N-1 N-1	(MVA) 11 12	Installed Firm Capacity % 87%	Capacity +5 years (MVA)	Installed Firm Capacity + 5yrs %	Constraint +5 years (cause)	Explanation
Existing Avalon Borma Bryce 5 Chartw Claude Cobhan Finlays Glasgo Gordon	ng Zone Substations on Dr an e St Stevell delands am yson Rd gow St onton	(MVA) 20 12 15 18 20 18 20 12 3	Capacity (MVA) 23 23 23 23 23 23 23	Classification (type) N-1 N-1 N-1 N-1 N-1	(MVA) 11 12	Installed Firm Capacity % 87%	Capacity +5 years (MVA)	Installed Firm Capacity + 5yrs %	Constraint +5 years (cause)	Explanation
Existing Avalon Borma Bryce 5 Chartw Claude Cobhan Finlays Glasgo Gordon	ng Zone Substations on Dr an e St Stevell delands am yson Rd gow St onton	(MVA) 20 12 15 18 20 18 20 12 3	Capacity (MVA) 23 23 23 23 23 23 23	Classification (type) N-1 N-1 N-1 N-1 N-1	(MVA) 11 12	Installed Firm Capacity % 87%	Capacity +5 years (MVA)	Installed Firm Capacity + 5yrs %	Constraint +5 years (cause)	Explanation
Existing Avalon Borma Bryce 5 Chartw Claude Cobhar Finlays Glasgo Gordon	ng Zone Substations on Dr an e St Stevell delands am yson Rd gow St onton	(MVA) 20 12 15 18 20 18 20 12 3	Capacity (MVA) 23 23 23 23 23 23 23	Classification (type) N-1 N-1 N-1 N-1 N-1	(MVA) 11 12	Installed Firm Capacity % 87%	Capacity +5 years (MVA)	Installed Firm Capacity + 5yrs %	Constraint +5 years (cause)	Explanation
Avaion Bormal Bryce S Chartw Claude Cobhai Finlays Glasgo Gordor	on Dr an St Est Utell delands am you Rd gow St onton	(MVA) 20 12 15 18 20 18 20 12 3	Capacity (MVA) 23 23 23 23 23 23 23	Classification (type) N-1 N-1 N-1 N-1 N-1	(MVA) 11 12	Installed Firm Capacity % 87%	Capacity +5 years (MVA)	Installed Firm Capacity + 5yrs %	Constraint +5 years (cause)	Explanation
Avaion Bormal Bryce S Chartw Claude Cobhai Finlays Glasgo Gordor	on Dr an St Est Utell delands am you Rd gow St onton	(MVA) 20 12 15 18 20 18 20 12 3	Capacity (MVA) 23 23 23 23 23 23 23	Classification (type) N-1 N-1 N-1 N-1 N-1	(MVA) 11 12	Capacity % 87%	Capacity +5 years (MVA)	Capacity + 5yrs %	Constraint +5 years (cause)	Explanation
Avalon Bormal Bryce S Chartw Claude Cobhai Finlays Glasgo Gordor	on Dr an St Est Utell delands am you Rd gow St onton	(MVA) 20 12 15 18 20 18 20 12 3	(MVA) 23 23 23 23 23 23 23	(type) N-1 N-1 N-1 N-1	(MVA) 11 12	% 87%	(MVA)	%	(cause)	Explanation
Borman Bryce S Chartw Claude Cobhar Finlays Glasgo Gordor	an e St delands am yson Rd gow St onton	12 15 18 20 12 3	23 23 23 23 23	N-1 N-1 N-1	12		23	0.004		
Bryce S Chartw Claude Cobhai Finlays Glasgo Gordor	s St twell delands am yson Rd gow St onton	15 18 20 12 3	23 23 23	N-1 N-1				90%	No constraint within +5 years	
Chartw Claude Cobhai Finlays Glasgo Gordon	twell Idelands am yson Rd gow St onton	18 20 12 3	23 23	N-1	15	52%	23	79%	Subtransmission circuit	Limited by the incoming 33kV OH conductor to 20.6MVA
Claude Cobhai Finlays Glasgo Gordor	delands am yson Rd gow St onton	20 12 3	23			65%	23	67%	No constraint within +5 years	
Cobhai Finlays Glasgo Gordor	am yson Rd gow St onton	12 3			15	78%	23	78%	No constraint within +5 years	
Finlays Glasgo Gordor	yson Rd gow St onton	3	23	N-1	20	87%	23	89%	No constraint within +5 years	
Glasgo Gordor	onton	-		N-1	12	52%	23	52%	No constraint within +5 years	
Gordor	onton	7	7.5	N	3	40%	7.5	47%	No constraint within +5 years	
			10	N	7	70%	10	79%	No constraint within +5 years	2. CAN/A transformer Durate hus an entrantical lucas
		7	10	N	7	70%	10	74%	No constraint within +5 years	2x5MVA transformer. Due to bus arrangement, practically rega as an N-security site to 10MVA capacity
		1	10	N	1	10%	10	8%	No constraint within +5 years	
Horoti		9	18	N-1	9	50%	18	58%	No constraint within +5 years	
Kent St		16	23	N-1	16	70%	23	70%	No constraint within +5 years	
Kimihi	hia	4	10	N	2	40%	10	38%	No constraint within +5 years	
Latham	am Court	18	23	N-1	14	78%	23	85%	No constraint within +5 years	
Hoeka	a Rd (planned)	0	0	N	-	-	23	40%	No constraint within +5 years	Subject to further review given the Ruakura development
										One TX suffered internal fault and decided to replace the pair. I
	uawahia	5	7.5	N-1	5	67%	10	52%	No constraint within +5 years	Mar, 1x7.5MVA, 1x10MVA, in +5 years, 2x10MVA
	ockes Rd	14	10	N-1	12	140%	23	68%	No constraint within +5 years	Current unit 4-hours emergency rating 15MVA.
	te - LV winding 1 - Anchor (major customer)	19	30	N-1		63%	30	63%	No constraint within +5 years	
Pukete	te - LV winding 2 - WEL's 11kV	8	15	N-1	8	53%	15	53%	No constraint within +5 years	3-winding tx - share with Contact Energy limited by the incoming 33kV OH conductor. Transfer capacity
Raglan	10	5	23	N	2.5	22%	23	24%	Subtransmission circuit	revised to due voltage regulation issue.
						2270			Subtrationencent	Phase shift issue at 11kV, also limited 11kV connectivities to ad
	ura (Replacing TP HAM 11 kV GXP.)	36	40	N-1	17	90%	46	62%	No constraint within +5 years	subs
	wich Rd	20	23	N-1	17	87%	23	88%	No constraint within +5 years	
Tasma		18	23	N-1	18	78%	46	62%	No constraint within +5 years	3rd TX at TAS in +5yrs
	uwhata	4	10	N-1	4	40%	10	44%	No constraint within +5 years	TX recently replaced due to age
Te Uku		1	10	N	1	10%	10	11%	No constraint within +5 years	
Wallac		14	23	N-1	14	61%	23	59%	No constraint within +5 years	
Weave	vers	8	7.5	N-1	8	107%	15	57%	No constraint within +5 years	4-hours emergency rating 11.25MVA.
Whata	tawhata	3	23	N	3	13%	23	14%	No constraint within +5 years	The capacity utilisation in +5year reduced due to the on-going rationalisation of WHA-WAL PDD
	end forecast capacity table as necessary to disclose all capac	-			-	1376			ne construint mann is years	
12b(ii): Tra	ansformer Capacity									
		(MVA)								
Distrib	ibution transformer capacity (EDB owned)	831								
Distrib	ibution transformer capacity (Non-EDB owned)	26								
Total distr	stribution transformer capacity	857								
Zone subs	bstation transformer capacity	766								

SCHEDULE 12C: REPORT ON FORECAST NETWORK DEMAND

					Company Name		Networks Limito 2015 – 31 March	
is scl	EDULE 12C: REPORT ON FORECAST NETWORK DEMAND redule requires a forecast of new connections (by consumer type), peak demand and energy vol tions used in developing the expenditure forecasts in Schedule 11a and Schedule 11b and the o				Planning Period			
7	12c(i): Consumer Connections							
3 7 7	Number of ICPs connected in year by consumer type	for year ended	Current Year CY 31 Mar 15	CY+1 31 Mar 16	Number of o CY+2 31 Mar 17	onnections CY+3 31 Mar 18	CY+4 31 Mar 19	CY+5 31 Mar 20
ı	Consumer types defined by EDB*	tor year ended	51 Widi 15	51 Wai 10	51 Widi 17	51 Wal 15	31 Wiai 15	51 Wiai 20
2	Residential Customers	Г	1,023	1,091	1,071	1,054	1,059	9
3	Business Customers		1,023	1,091	1,071	1,034	1,039	1
1	Large Customers - Low Voltage 400V		100	34	29	28	23	1
5	Large Customers - Medium Voltage 11kV		4	(5)	(5)	(5)	(5)	
	Large Customers - High Voltage 33kV		-	-	-	-	-	
	Asset Specific Customers	F	-	-	_	_	_	
7 3	Unmetered Customers		10	(13)	(9)	(6)	(4)	
	External Network Customers		100	(38)	-	-	-	
	Connections total	f	1,204	1,284	1,261	1,246	1,248	1,
	*include additional rows if needed					· · · ·		,
2	Distributed generation							
3	Number of connections		216	324	454	567	680	8
ı	Installed connection capacity of distributed generation (MVA)	[118	118	119	119	120	1
5	12c(ii) System Demand							
5	Maximum as insident system demand (MMM)	for an ended	Current Year CY 31 Mar 15	CY+1 31 Mar 16	CY+2 31 Mar 17	CY+3 31 Mar 18	CY+4 31 Mar 19	CY+5 31 Mar 20
3	Maximum coincident system demand (MW) GXP demand	for year ended	244	248	251	253	256	31 Widi 20
,	plus Distributed generation output at HV and above	-	244	248	251	253	250	
	Maximum coincident system demand	t i i i i i i i i i i i i i i i i i i i	246	250	254	256	258	
	less Net transfers to (from) other EDBs at HV and above	•	240	-	234	- 250	250	
	Demand on system for supply to consumers' connection points	t	246	250	254	256	258	
	Electricity volumes carried (GWh)							
1	Electricity supplied from GXPs	l l l l l l l l l l l l l l l l l l l	940	942	945	948	951	ç
5	less Electricity exports to GXPs		116	117	115	114	113	
:	plus Electricity supplied from distributed generation		426	426	426	426	426	
·	less Net electricity supplied to (from) other EDBs		(14)	(14)	(14)	(14)	(14)	
2	Electricity entering system for supply to ICPs		1,264	1,265	1,271	1,274	1,278	1,
2	less Total energy delivered to ICPs		1,203	1,205	1,210	1,213	1,217	1,
	Losses		61	60	61	61	61	
2	Load factor	Г	59%	58%	57%	57%	57%	5

SCHEDULE 12D: REPORT FORECAST INTERRUPTIONS AND DURATION

				Company Name	WEL	Networks Limite	ed
			AMP	Planning Period	1 April 2	2015 – 31 March	2025
			Network / Sub	-network Name			
SC	HEDULE 12d: REPORT FORECAST INTERRUPTIONS AND DURATION			_			
	s schedule requires a forecast of SAIFI and SAIDI for disclosure and a 5 year planning period. The forecasts sho Janned SAIFI and SAIDI on the expenditures forecast provided in Schedule 11a and Schedule 11b.	ould be consistent with	i the supporting info	mation set out in the	AMP as well as the a	assumed impact of pl	anned and
8 8 9	for year ended	Current Year CY 31 Mar 15	CY+1 31 Mar 16	CY+2 31 Mar 17	<i>СҮ+3</i> 31 Mar 18	<i>CY+4</i> 31 Mar 19	<i>CY+5</i> 31 Mar 20
8	for year ended	31 Mar 15	31 Mar 16	31 Mar 17	31 Mar 18	31 Mar 19	31 Mar 20
8 9	for year ended						
8 9 10	for year ended	31 Mar 15	31 Mar 16	31 Mar 17	31 Mar 18	31 Mar 19	31 Mar 20
8 9 10 11	for year ended SAIDI Class B (planned interruptions on the network)	31 Mar 15 25.2	31 Mar 16 30.5	31 Mar 17 32.9	31 Mar 18 32.9	31 Mar 19 32.9	31 Mar 20 32.9
8 9 10 11 12	for year ended SAIDI Class B (planned interruptions on the network) Class C (unplanned interruptions on the network)	31 Mar 15 25.2	31 Mar 16 30.5	31 Mar 17 32.9	31 Mar 18 32.9	31 Mar 19 32.9	31 Mar 20 32.9

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

Prior year return on investment disclosures (prior year ROIs) reported in the 2015 year end disclosure have been recalculated using the Commerce Commission's Worksheet "EDB worksheet for calculating prior year ROIs 30 April 2015" and are disclosed in table 2(i) of Schedule 2. The variance relates to the change in treatment of Asset Revaluations (prior year revaluation was \$6,999k) on the Regulatory Tax Allowance. Income included in regulatory profit / (loss) before tax but not taxable must now exclude revaluations.

Regulatory Profit (Schedule 3)

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

Box 2: Explanatory comment on regulatory profit

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

No items have been reclassified.

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

- 6. If the EDB incurred merger and acquisitions expenditure during the disclosure year, provide the following information in the box below-
 - 6.1 information on reclassified items in accordance with subclause 2.7.1(2)
 - 6.2 any other commentary on the benefits of the merger and acquisition expenditure to the EDB.

Box 3: Explanatory comment on merger and acquisition expenditure No merger and acquisition expenditure.

Value of the Regulatory Asset Base (Schedule 4)

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

Box 4: Explanatory comment on the value of the regulatory asset based (rolled forward) No items have been reclassified.

The value of the Asset Base in Schedule 4 for the 2014 was \$475.614m and 2015 is now \$486.846m, a positive movement of \$11.232m.

Assets are capitalised once the project is completed including receiving as-built information. The value of assets commissioned but not included in the RAB is \$27.1M.

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

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

- 8. In the box below, provide descriptions and workings of the 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 \$24K
- legal costs \$0K
- depreciation on buildings \$302K

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

 historical undergrounding costs funded via government grant being amortised over 45 years \$31K

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

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-
 - 13.1 a description of the materiality threshold applied to identify material projects and programmes described in Schedule 6a;
 - 13.2 information on reclassified items in accordance with 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 crossarms 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 14/15 year into the 15/16 year.

Asset replacement and renewal is generally aligned with the forecast.

Asset relocations were lower than forecast due to less relocation and undergrounding requests than provided for in the budget.

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

- Quality of supply: Costs were higher than anticipated mainly due to more LVC remedial works.
- Legislative and regulatory: Costs were slightly higher that forecast due to timing delays in the 13/14 work carried forward into the 14/15 year.
- Other reliability, safety and environment: Design of Caro Street Switching Station was deferred again due to unavailability of a site.

7(iii) Operational Expenditure

- Service interruptions and emergencies: underspend mainly due to better management of first fault response.
- Vegetation management is aligned with the forecast.
- Routine and corrective maintenance and inspection: underspend mainly due to lower costs than expected in the stolen earths and other corrective works categories.
- Asset replacement and renewal: underspend mainly due to the deferral of ring main unit maintenance, and less costs in pillar refurbishments than expected.
- System operations and network support: underspend can be explained by the following costs that were lower than forecast; salaries, IT contract services and network systems maintenance.
- Business Support: the main driver for the favourable underspend can be explained by salaries being less than forecast due mainly to a high level of vacancies.

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 -1.06%.

16.1 Total billed revenue is lower than target revenue due to lower than expected kilowatt hour consumption. The main drivers for this are warmer than average temperatures and the effects of continued energy efficiency improvements by consumers.

16.2 The difference between total billed revenue and target revenue is -1.06%. The primary contributing factor to this result are the lower 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 103.12 The normalised result for SAIFI was 1.53.

For SAIFI performance, 10% was derived from planned outages, 90% was caused by unplanned outages.

For SAIDI, 23% was derived from planned outages, 77% was caused by unplanned outages.

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

- 1. Adverse weather (30%):
 - A major storm between the 10th and 12th June 2014 resulted in 16.33 SAIDI minutes. This storm met the regulatory criteria for a major event as the time lost exceeded the daily limits of 13.25 minutes by 1.93 minutes on 11th June 2014.
 - b. 7.47 SAIDI minutes were resulted from combination of strong winds and vegetative debris thrown onto lines.
- 2. Defective equipment (28%) mainly from distribution lines.
- 3. Third party interference (25%) mainly from vehicle accidents and diggers hit cables: 15.26 SAIDI minutes were caused by vehicle accidents.

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 the 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

The value of the opening weighted average remaining useful life of relevant assets (years) in Schedule 5(a) is 5 years less than the 2010 value (as per the Sch 16 definition) but is not 1 less than the 2014 value. The 2014 remaining life value was incorrect and the effect of the incorrect 2014 value was not material and hence it has not been corrected in prior years.

SCHEDULE 14A: MANDATORY EXPLANATORY NOTES ON FORECAST INFORMATION

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

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

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

Box 1: Commentary on difference between nominal and constant price capital expenditure forecasts	
WEL has adopted the indexation methodology.	
The values used for each class of expenditure are shown below.	
Network CAPEX cost index = 2.25% p.a.	
Non-Network capital cost index = 2.25% p.a.	

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

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

Box 2: Commentary on difference between nominal and constant price operational expenditure forecasts Network maintenance (operational) cost index = 2.05% p.a. Non-Network maintenance cost index = 2.02% p.a.

SCHEDULE 15: VOLUNTARY EXPLANATORY NOTES

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

Box 1: Voluntary explanatory comment on disclosed information

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.