COMMERCE COMMISSION NEW ZEALAND

EDB Information Disclosure Requirements

Information Templates

for

Schedules 1–10

Company Name	WEL Networks Limited
Disclosure Date	29 August 2014
Disclosure Year (year ended)	31 March 2014

Templates for Schedules 1–10
Template Version 3.0. Prepared 14 April 2014

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SCHEDULE 1: ANALYTICAL RATIOS

Company Name	**WEL Networks Limited**
For Year Ended	**31 March 2014**

SCHEDULE 1: ANALYTICAL RATIOS

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

sch ref

1(i): Expenditure metrics

	Expenditure per GWh energy delivered to ICPs ($/GWh)	Expenditure per average no. of ICPs ($/ICP)	Expenditure per MW maximum coincident system demand ($/MW)	Expenditure per km circuit length ($/km)	Expenditure per MVA of capacity from EDB-owned distribution transformers ($/MVA)
Operational expenditure	15,750	220	65,958	3,610	23,444
Network	6,868	96	28,763	1,574	10,223
Non-network	8,882	124	37,195	2,036	13,221
Expenditure on assets	42,475	595	177,881	9,735	63,225
Network	39,379	551	164,915	9,025	58,617
Non-network	3,096	43	12,966	710	4,609

1(ii): Revenue metrics

	Revenue per GWh energy delivered to ICPs ($/GWh)	Revenue per average no. of ICPs ($/ICP)
Total consumer line charge revenue	77,088	1,079
Standard consumer line charge revenue	78,089	1,067
Non-standard consumer line charge revenue	36,694	177,683

1(iii): Service intensity measures

Demand density	55	*Maximum coincident system demand per km circuit length (for supply) (kW/km)*
Volume density	229	*Total energy delivered to ICPs per km circuit length (for supply) (MWh/km)*
Connection point density	16	*Average number of ICPs per km circuit length (for supply) (ICPs/km)*
Energy intensity	13,999	*Total energy delivered to ICPs per Average number of ICPs (kWh/ICP)*

1(iv): Composition of regulatory income

	($000)	% of revenue
Operational expenditure	18,919	19.71%
Pass-through and recoverable costs	27,103	28.24%
Total depreciation	19,645	20.47%
Total revaluation	6,999	7.29%
Regulatory tax allowance	6,985	7.28%
Regulatory profit/loss	30,328	31.60%
Total regulatory income	95,981	

1(v): Reliability

	Interruptions per 100 circuit km
Interruption rate	18.98

SCHEDULE 2: REPORT ON RETURN ON INVESTMENT

Company Name	**WEL Networks Limited**
For Year Ended	**31 March 2014**

SCHEDULE 2: REPORT ON RETURN ON INVESTMENT

This schedule requires information on the Return on Investment (ROI) for the EDB relative to the Commerce Commission's estimates of post tax WACC and vanilla WACC. EDBs must calculate their ROI based on a monthly basis if required by clause 2.3.3 of the ID Determination or if they elect to. If an EDB makes this election, information supporting this calculation must be provided in 2(iii).
EDBs must provide explanatory comment on their ROI in Schedule 14 (Mandatory Explanatory Notes).
This information is part of audited disclosure information (as defined in section 1.4 of the ID determination), and so is subject to the assurance report required by section 2.8.

sch ref			CY-2 31 Mar 12 %	CY-1 31 Mar 13 %	Current Year CY 31 Mar 14 %
7	**2(i): Return on Investment**				
9	**Post tax WACC**				
10	**ROI—comparable to a post tax WACC**		6.27%	5.23%	5.53%
12	**Mid-point estimate of post tax WACC**		6.40%	5.85%	5.43%
13	25th percentile estimate		5.68%	5.13%	4.71%
14	75th percentile estimate		7.11%	6.56%	6.14%
17	**Vanilla WACC**				
18	**ROI—comparable to a vanilla WACC**		7.05%	6.01%	6.22%
20	**Mid-point estimate of vanilla WACC**		7.22%	6.62%	6.11%
21	25th percentile estimate		6.51%	5.91%	5.39%
22	75th percentile estimate		7.94%	7.34%	6.83%

sch ref			($000)	
24	**2(ii): Information Supporting the ROI**			
26		Total opening RAB value	459,970	
27	*plus*	Opening deferred tax	(14,432)	
28		Opening RIV		445,538
30		Operating surplus / (deficit)	49,959	
31	*less*	Regulatory tax allowance	6,985	
32	*less*	Assets commissioned	32,341	
33	*plus*	Asset disposals	4,052	
34		**Notional net cash flows**		14,684
36		Total closing RAB value	475,614	
37	*less*	Adjustment resulting from asset allocation	0	
38	*less*	Lost and found assets adjustment	-	
39	*plus*	Closing deferred tax	(17,505)	
40		**Closing RIV**		458,108
42		**ROI—comparable to a vanilla WACC**		6.22%
44		Leverage (%)		44%
45		Cost of debt assumption (%)		5.56%
46		Corporate tax rate (%)		28%
48		**ROI—comparable to a post tax WACC**		5.53%

2(iii): Information Supporting the Monthly ROI

Cash flows ($000)

	Total regulatory income	Expenses	Tax payments	Assets commissioned	Asset disposals	Notional net cash flows
April						-
May						-
June						-
July						-
August						-
September						-
October						-
November						-
December						-
January						-
February						-
March						-
Total	-	-	-	-	-	-

	Opening / closing RAB	Adjustment resulting from asset allocation	Lost and found assets adjustment	Opening / closing deferred tax	Revenue related working capital	Total
Monthly ROI - opening RIV	459,970			(14,432)		445,538
Monthly ROI -closing RIV	475,614	0	-	(17,505)	-	458,108
Monthly ROI -closing RIV less term credit spread differential allowance						458,108
Monthly ROI—comparable to a vanilla WACC						N/A
Monthly ROI—comparable to a post-tax WACC						N/A

2(iv): Year-End ROI Rates for Comparison Purposes

Year-end ROI—comparable to a vanilla WACC	6.57%
Year-end ROI—comparable to a post-tax WACC	5.88%

** these year-end ROI values are comparable to the ROI reported in pre 2012 disclosures by EDBs and do not represent the Commission's current view on ROI.*

SCHEDULE 3: REGULATORY PROFIT

Company Name	**WEL Networks Limited**
For Year Ended	**31 March 2014**

SCHEDULE 3: REPORT ON REGULATORY PROFIT

This schedule requires information on the calculation of regulatory profit for the EDB for the disclosure year. All EDBs must complete 3(i), 3(iv) and 3(v) and must provide explanatory comment on their regulatory profit in Schedule 14 (Mandatory Explanatory Notes).
Non-exempt EDBs must also complete sections 3(ii) and 3(iii).
This information is part of audited disclosure information (as defined in section 1.4 of the ID determination), and so is subject to the assurance report required by section 2.8.

sch ref				
7	**3(i): Regulatory Profit**			**($000)**
8		**Income**		
9		Line charge revenue		92,602
10	*plus*	Gains / (losses) on asset disposals		(821)
11	*plus*	Other regulated income (other than gains / (losses) on asset disposals)		4,199
12				
13		**Total regulatory income**		95,981
14		**Expenses**		
15	*less*	Operational expenditure		18,919
17	*less*	Pass-through and recoverable costs		27,103
18				
19		**Operating surplus / (deficit)**		49,959
20				
21	*less*	Total depreciation		19,645
22				
23	*plus*	Total revaluation		6,999
24				
25		**Regulatory profit / (loss) before tax & term credit spread differential allowance**		37,313
26				
27	*less*	Term credit spread differential allowance		-
28				
29		**Regulatory profit / (loss) before tax**		37,313
30				
31	*less*	Regulatory tax allowance		6,985
32				
33		**Regulatory profit / (loss)**		30,328
34				
35	**3(ii): Pass-Through and Recoverable Costs**			**($000)**
36		**Pass-through costs**		
37		Rates	253	
38		Commerce Act levies	30	
		Electricity Authority levies	167	
40		Other specified pass-through costs	785	
41		**Recoverable costs**		
42		Net recoverable costs allowed under incremental rolling incentive scheme	-	
43		Non-exempt EDB electricity lines service charge payable to Transpower	19,633	
44		Transpower new investment contract charges	2,463	
45		System operator services	-	
46		Avoided transmission charge	3,771	
47		Input Methodology claw-back	-	
48		Recoverable customised price-quality path costs	-	
49		**Pass-through and recoverable costs**		27,103

3(iii): Incremental Rolling Incentive Scheme

($000)

	CY-1 31 March 2013	CY 31 March 2014
Allowed controllable opex	-	-
Actual controllable opex	-	-
Incremental change in year		-

		Previous years' incremental change	Previous years' incremental change adjusted for inflation
CY-5	31 Mar 09	-	-
CY-4	31 Mar 10	-	-
CY-3	31 Mar 11	-	-
CY-2	31 Mar 12	-	-
CY-1	31 Mar 13	-	-
Net incremental rolling incentive scheme			-
Net recoverable costs allowed under incremental rolling incentive scheme			-

3(iv): Merger and Acquisition Expenditure

Merger and acquisition expenses	-

Provide commentary on the benefits of merger and acquisition expenditure to the electricity distribution business, including required disclosures in accordance with section 2.7, in Schedule 14 (Mandatory Explanatory Notes)

3(v): Other Disclosures

Self-insurance allowance	-

Company Name	**WEL Networks Limited**
For Year Ended	**31 March 2014**

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

This schedule requires information on the calculation of the Regulatory Asset Base (RAB) value to the end of this disclosure year. This informs the ROI calculation in Schedule 2.
EDBs must provide explanatory comment on the value of their RAB in Schedule 14 (Mandatory Explanatory Notes). This information is part of audited disclosure information (as defined in section 1.4 of the ID determination), and so is subject to the assurance report required by section 2.8.

sch ref

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

		for year ended	RAB 31 Mar 10 ($000)	RAB 31 Mar 11 ($000)	RAB 31 Mar 12 ($000)	RAB 31 Mar 13 ($000)	RAB 31 Mar 14 ($000)
	Total opening RAB value		340,676	352,551	400,162	422,169	459,970
less	**Total depreciation**		12,056	12,527	14,603	15,874	19,645
plus	**Total revaluations**		6,935	8,511	6,279	3,611	6,999
plus	**Assets commissioned**		18,590	52,248	30,527	51,554	32,341
less	**Asset disposals**		1,593	622	195	1,490	4,052
plus	**Lost and found assets adjustment**						-
plus	**Adjustment resulting from asset allocation**						0
	Total closing RAB value		352,551	400,162	422,169	459,970	475,614

4(ii): Unallocated Regulatory Asset Base

		Unallocated RAB * ($000)	($000)	RAB ($000)	($000)
	Total opening RAB value		459,970		459,970
less					
	Total depreciation		19,645		19,645
plus					
	Total revaluations		6,999		6,999
plus					
	Assets commissioned (other than below)	32,341		32,341	
	Assets acquired from a regulated supplier	-		-	
	Assets acquired from a related party	-		-	
	Assets commissioned		32,341		32,341
less					
	Asset disposals (other than below)	606		606	
	Asset disposals to a regulated supplier	3,446		3,446	
	Asset disposals to a related party				
	Asset disposals		4,052		4,052
plus	**Lost and found assets adjustment**		-		-
plus	**Adjustment resulting from asset allocation**				0
	Total closing RAB value		475,614		475,614

** The 'unallocated RAB' is the total value of those assets used wholly or partially to provide electricity distribution services without any allowance being made for the allocation of costs to non-regulated services. The RAB value represents the value of these assets after applying this cost allocation. Neither value includes works under construction.*

SCHEDULE 4 continued

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

	CPI_4	1,192
	CPI_4^{-4}	1,174
	Revaluation rate (%)	1.53%

		Unallocated RAB *		RAB	
		($000)	($000)	($000)	($000)
	Total opening RAB value	459,970		459,970	
less	Opening RAB value of fully depreciated, disposed and lost assets	3,470		3,470	
	Total opening RAB value subject to revaluation	456,500		456,500	
	Total revaluations		6,999		6,999

4(iv): Roll Forward of Works Under Construction

		Unallocated works under construction		Allocated works under construction	
	Works under construction—preceding disclosure year		18,739		18,753
plus	Capital expenditure	45,506		45,492	
less	Assets commissioned	32,341		32,341	
plus	Adjustment resulting from asset allocation				
	Works under construction - current disclosure year		31,905		31,905
	Highest rate of capitalised finance applied				4.05%

4(v): Regulatory Depreciation

		Unallocated RAB *		RAB	
		($000)	($000)	($000)	($000)
	Depreciation - standard	15,896		15,896	
	Depreciation - no standard life assets	3,748		3,748	
	Depreciation - modified life assets	-		-	
	Depreciation - alternative depreciation in accordance with CPP	-		-	
	Total depreciation		19,645		19,645

4(vi): Disclosure of Changes to Depreciation Profiles

($000 unless otherwise specified)

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

** include additional rows if needed*

4(vii): Disclosure by Asset Category

($000 unless otherwise specified)

		Subtransmission lines	Subtransmission cables	Zone substations	Distribution and LV lines	Distribution and LV cables	Distribution substations and transformers	Distribution switchgear	Other network assets	Non-network assets	Total	
Total opening RAB value		12,329	52,026	103,418	49,933	131,048	47,478	22,960	14,406	26,372	459,970	
less	Total depreciation	534	1,329	2,436	3,173	5,107	1,310	1,006	1,002	3,748	19,645	
plus	Total revaluations	338	830	1,075	1,364	1,824	635	275	267	391	6,999	
plus	Assets commissioned	186	1,093	1,064	5,987	4,372	12,461	2,512	1,225	3,441	32,341	
less	Asset disposals	-	-	-	-	3,023	315	109	-	606	4,052	
plus	Lost and found assets adjustment	-	-	-	-	-	-	-	-	-	-	
plus	Adjustment resulting from asset allocation										-	
plus	Asset category transfers	9,735	2,080	(33,241)	39,049	(10,149)	(5,777)	(4,735)	3,039	(0)	0	
Total closing RAB value		22,054	54,700	69,880	93,160	118,965	53,172	19,897	17,935	25,850	475,614	
Asset Life												
Weighted average remaining asset life		45.5	45.1	35.0	36.3	37.7	36.1	32.7	12.4	17.2		(years)
Weighted average expected total asset life		59.2	53.0	44.0	56.4	52.4	52.6	41.4	15.2	19.5		(years)

SCHEDULE 5A: REPORT ON REGULATORY TAX ALLOWANCE

Company Name	**WEL Networks Limited**
For Year Ended	**31 March 2014**

SCHEDULE 5a: REPORT ON REGULATORY TAX ALLOWANCE

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

sch ref					
7	**5a(i): Regulatory Tax Allowance**				**($000)**
8		**Regulatory profit / (loss) before tax**			37,313
9					
10	*plus*	Income not included in regulatory profit / (loss) before tax but taxable	1,929	*	
11		Expenditure or loss in regulatory profit / (loss) before tax but not deductible	335	*	
12		Amortisation of initial differences in asset values	3,886		
13		Amortisation of revaluations	1,473		
14					7,623
15					
16	*less*	Income included in regulatory profit / (loss) before tax but not taxable	7,029	*	
17		Discretionary discounts and consumer rebates	2,060		
18		Expenditure or loss deductible but not in regulatory profit / (loss) before tax**	-	*	
19		Notional deductible interest	10,900		
20					19,988
21					
22		**Regulatory taxable income**			24,948
23					
24	*less*	Utilised tax losses	-		
25		Regulatory net taxable income			24,948
26					
27		Corporate tax rate (%)	28%		
28		**Regulatory tax allowance**			6,985
29					
30	* Workings to be provided in Schedule 14				
31	** Excluding discretionary discounts and consumer rebates				
32	**5a(ii): Disclosure of Permanent Differences**				
33	In Schedule 14, Box 5, provide descriptions and workings of items recorded in the asterisked categories in Schedule 5a(i).				
34	**5a(iii): Amortisation of Initial Difference in Asset Values**				**($000)**
35					
36		Opening unamortised initial differences in asset values	138,845		
37		Amortisation of initial differences in asset values	3,886		
38		Adjustment for unamortised initial differences in assets acquired	-		
39		Adjustment for unamortised initial differences in assets disposed	145		
40		Closing unamortised initial differences in asset values			134,814
41					
42		Opening weighted average remaining asset life (years)			36
43	**5a(iv): Amortisation of Revaluations**				**($000)**
44					
45		Opening Sum of RAB values without revaluations	436,365		
46					
47		Adjusted depreciation	18,172		
48		Total depreciation	19,645		
49		Amortisation of revaluations			1,473

5a(v): Reconciliation of Tax Losses

			($000)
	Opening tax losses	-	
plus	Current period tax losses	-	
less	Utilised tax losses	-	
	Closing tax losses		-

5a(vi): Calculation of Deferred Tax Balance

			($000)
	Opening deferred tax	(14,432)	
plus	Tax effect of adjusted depreciation	5,088	
less	Tax effect of total tax depreciation	7,170	
plus	Tax effect of other temporary differences*	(80)	
less	Tax effect of amortisation of initial differences in asset values	1,088	
plus	Deferred tax balance relating to assets acquired in the disclosure year	-	
less	Deferred tax balance relating to assets disposed in the disclosure year	(177)	
plus	Deferred tax cost allocation adjustment	-	
	Closing deferred tax		(17,505)

5a(vii): Disclosure of Temporary Differences

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).

5a(viii): Regulatory Tax Asset Base Roll-Forward

			($000)
	Opening sum of regulatory tax asset values	246,129	
less	Tax depreciation	25,608	
plus	Regulatory tax asset value of assets commissioned	32,168	
less	Regulatory tax asset value of asset disposals	3,864	
plus	Lost and found assets adjustment	-	
plus	Other adjustments to the RAB tax value	-	
	Closing sum of regulatory tax asset values		248,825

SCHEDULE 5B: REPORT ON RELATED PARTY TRANSACTIONS

Company Name	WEL Networks Limited
For Year Ended	31 March 2014

SCHEDULE 5b: REPORT ON RELATED PARTY TRANSACTIONS

This schedule provides information on the valuation of related party transactions, in accordance with section 2.3.6 and 2.3.7 of the ID determination.
This information is part of audited disclosure information (as defined in section 1.4 of the ID determination), and so is subject to the assurance report required by section 2.8.

sch ref

5b(i): Summary—Related Party Transactions

	($000)
Total regulatory income	
Operational expenditure	
Capital expenditure	
Market value of asset disposals	
Other related party transactions	

5b(ii): Entities Involved in Related Party Transactions

Name of related party	Related party relationship

** include additional rows if needed*

5b(iii): Related Party Transactions

Name of related party	Related party transaction type	Description of transaction	Value of transaction ($000)	Basis for determining value
	[Select one]			
	[Select one]			
	[Select one]			
	[Select one]			
	[Select one]			
	[Select one]			
	[Select one]			
	[Select one]			
	[Select one]			
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	[Select one]			
	[Select one]			
	[Select one]			

** include additional rows if needed*

SCHEDULE 5C: TCSD ALLOWANCE

Company Name	WEL Networks Limited
For Year Ended	31 March 2014

SCHEDULE 5c: REPORT ON TERM CREDIT SPREAD DIFFERENTIAL ALLOWANCE

This schedule is only to be completed if, as at the date of the most recently published financial statements, the weighted average original tenor of the debt portfolio (both qualifying debt and non-qualifying debt) is greater than five years.
This information is part of audited disclosure information (as defined in section 1.4 of the ID determination), and so is subject to the assurance report required by section 2.8.

sch ref

5c(i): Qualifying Debt (may be Commission only)

Issuing party	Issue date	Pricing date	Original tenor (in years)	Coupon rate (%)	Book value at issue date (NZD)	Book value at date of financial statements (NZD)	Term Credit Spread Difference	Cost of executing an interest rate swap	Debt issue cost readjustment
** include additional rows if needed*						-	-	-	-

5c(ii): Attribution of Term Credit Spread Differential

Gross term credit spread differential		-
Total book value of interest bearing debt		
Leverage	44%	
Average opening and closing RAB values		
Attribution Rate (%)		-
Term credit spread differential allowance		-

SCHEDULE 5D: REPORT ON COST ALLOCATIONS

Company Name	**WEL Networks Limited**
For Year Ended	**31 March 2014**

SCHEDULE 5d: REPORT ON COST ALLOCATIONS

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

sch ref

5d(i): Operating Cost Allocations

	Value allocated ($000s)				
	Arm's length deduction	Electricity distribution services	Non-electricity distribution services	Total	OVABAA allocation increase ($000s)
Service interruptions and emergencies					
Directly attributable		2,932			
Not directly attributable	-	-	-	-	-
Total attributable to regulated service		2,932			
Vegetation management					
Directly attributable		1,361			
Not directly attributable	-	-	-	-	-
Total attributable to regulated service		1,361			
Routine and corrective maintenance and inspection					
Directly attributable		2,803			
Not directly attributable	-	-	-	-	-
Total attributable to regulated service		2,803			
Asset replacement and renewal					
Directly attributable		1,154			
Not directly attributable	-	-	-	-	-
Total attributable to regulated service		1,154			
System operations and network support					
Directly attributable		3,436			
Not directly attributable	-	-	-	-	-
Total attributable to regulated service		3,436			
Business support					
Directly attributable		7,233			
Not directly attributable	-	-	-	-	-
Total attributable to regulated service		7,233			
Operating costs directly attributable		18,919			
Operating costs not directly attributable	-	-	-	-	-
Operating expenditure		18,919			

5d(ii): Other Cost Allocations

Pass through and recoverable costs	
Pass through costs	
Directly attributable	1,236
Not directly attributable	-
Total attributable to regulated service	1,236
Recoverable costs	
Directly attributable	25,867
Not directly attributable	-
Total attributable to regulated service	25,867

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

($000)

			CY-1 31 Mar 13	Current Year (CY) 31 Mar 14
Change in cost allocation 1				
Cost category		Original allocation	-	-
Original allocator or line items		New allocation	-	-
New allocator or line items		Difference	-	-
Rationale for change				
Change in cost allocation 2			CY-1 31 Mar 13	Current Year (CY) 31 Mar 14
Cost category		Original allocation	-	-
Original allocator or line items		New allocation	-	-
New allocator or line items		Difference	-	-
Rationale for change				
Change in cost allocation 3			CY-1 31 Mar 13	Current Year (CY) 31 Mar 14
Cost category		Original allocation	-	-
Original allocator or line items		New allocation	-	-
New allocator or line items		Difference	-	-
Rationale for change				

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

SCHEDULE 5E: REPORT ON ASSET ALLOCATIONS

Company Name	WEL Networks Limited
For Year Ended	31 March 2014

SCHEDULE 5e: REPORT ON ASSET ALLOCATIONS

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

sch ref

5e(i):Regulated Service Asset Values

	Value allocated ($000s) Electricity distribution services
Subtransmission lines	
Directly attributable	21,500
Not directly attributable	554
Total attributable to regulated service	22,054
Subtransmission cables	
Directly attributable	54,700
Not directly attributable	-
Total attributable to regulated service	54,700
Zone substations	
Directly attributable	69,880
Not directly attributable	-
Total attributable to regulated service	69,880
Distribution and LV lines	
Directly attributable	90,619
Not directly attributable	2,541
Total attributable to regulated service	93,160
Distribution and LV cables	
Directly attributable	118,965
Not directly attributable	-
Total attributable to regulated service	118,965
Distribution substations and transformers	
Directly attributable	53,172
Not directly attributable	-
Total attributable to regulated service	53,172
Distribution switchgear	
Directly attributable	19,897
Not directly attributable	-
Total attributable to regulated service	19,897
Other network assets	
Directly attributable	17,935
Not directly attributable	-
Total attributable to regulated service	17,935
Non-network assets	
Directly attributable	25,850
Not directly attributable	-
Total attributable to regulated service	25,850
Regulated service asset value directly attributable	472,519
Regulated service asset value not directly attributable	3,095
Total closing RAB value	475,614

5e(ii): Changes in Asset Allocations* †

($000)

Change in asset value allocation 1

			CY-1 31 Mar 13	Current Year (CY) 31 Mar 14
Asset category		Original allocation	-	-
Original allocator or line items		New allocation	-	-
New allocator or line items		Difference	-	-

Rationale for change

Change in asset value allocation 2

			CY-1 31 Mar 13	Current Year (CY) 31 Mar 14
Asset category		Original allocation	-	-
Original allocator or line items		New allocation	-	-
New allocator or line items		Difference	-	-

Rationale for change

Change in asset value allocation 3

			CY-1 31 Mar 13	Current Year (CY) 31 Mar 14
Asset category		Original allocation	-	-
Original allocator or line items		New allocation	-	-
New allocator or line items		Difference	-	-

Rationale for change

* a change in asset allocation must be completed for each allocator or component change that has occurred in the disclosure year. A movement in an allocator metric is not a change in allocator or component.
† include additional rows if needed

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

Company Name	**WEL Networks Limited**
For Year Ended	**31 March 2014**

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

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

sch ref

6a(i): Expenditure on Assets

			($000)	($000)
8		Consumer connection		11,801
9		System growth		14,459
10		Asset replacement and renewal		12,927
11		Asset relocations		3,881
12		Reliability, safety and environment:		
13		Quality of supply	644	
14		Legislative and regulatory	355	
15		Other reliability, safety and environment	3,237	
16		**Total reliability, safety and environment**		4,235
17		**Expenditure on network assets**		47,304
18		Non-network assets		3,719
19				
20		**Expenditure on assets**		51,023
21	*plus*	Cost of financing		173
22	*less*	Value of capital contributions		5,703
23	*plus*	Value of vested assets		-
24				
25		**Capital expenditure**		45,492

6a(ii): Subcomponents of Expenditure on Assets (where known)

			($000)
27		Energy efficiency and demand side management, reduction of energy losses	7,961
28		Overhead to underground conversion	1,752
29		Research and development	-

6a(iii): Consumer Connection

		*Consumer types defined by EDB**	($000)	($000)
32		Residential (1153)	7,071	
33		External Embedded Networks - non TOU (1651)	724	
34		Low Voltage Low Energy (400V) (1361)	1,424	
35		Low Voltage High Energy (400V) (1360)	1,325	
36		Medium Voltage (11kV) (1354)	1,027	
		High Voltage (33kV) (1357)	-	
		Commercial - Asset Specific	231	
37		** include additional rows if needed*		
38		**Consumer connection expenditure**		11,801
39				
40	*less*	Capital contributions funding consumer connection expenditure	3,031	
41		**Consumer connection less capital contributions**		8,770

6a(iv): System Growth and Asset Replacement and Renewal

			System Growth ($000)	Asset Replacement and Renewal ($000)
45		Subtransmission	1,840	-
46		Zone substations	3,074	1,207
47		Distribution and LV lines	908	8,519
48		Distribution and LV cables	375	224
49		Distribution substations and transformers	231	1,062
50		Distribution switchgear	70	1,170
51		Other network assets	7,961	744
52		**System growth and asset replacement and renewal expenditure**	14,459	12,927
53	*less*	Capital contributions funding system growth and asset replacement and renewal	240	274
54		**System growth and asset replacement and renewal less capital contributions**	14,219	12,653
55				

6a(v): Asset Relocations

		*Project or programme**	($000)	($000)
58		Relocations	2,025	
59		SH39a Te Kowhai / Limmer Road Widening	1,011	
60		Undergrounding	845	
61		-	-	
62		-	-	
63		** include additional rows if needed*		
64		All other asset relocations projects or programmes	-	
65		**Asset relocations expenditure**		3,881
66	*less*	Capital contributions funding asset relocations	2,153	
67		**Asset relocations less capital contributions**		1,728

SCHEDULE 6A continued

6a(vi): Quality of Supply

	Project or programme*	($000)	($000)
	Voltage upgrade projects due to monitoring	250	
	Power Quality - Works required to correct customer complaints	393	
	-	-	
	-	-	
	-	-	
	* include additional rows if needed		
	All other quality of supply projects or programmes	-	
	Quality of supply expenditure		644
less	Capital contributions funding quality of supply	-	
	Quality of supply less capital contributions		644

6a(vii): Legislative and Regulatory

	Project or programme*	($000)	($000)
	Seismic upgrades of substations	22	
	Seismic strengthening of Glasgow and Avalon (old) buildings	332	
	-	-	
	-	-	
	-	-	
	* include additional rows if needed		
	All other legislative and regulatory projects or programmes	-	
	Legislative and regulatory expenditure		355
less	Capital contributions funding legislative and regulatory	-	
	Legislative and regulatory less capital contributions		355

6a(viii): Other Reliability, Safety and Environment

	Project or programme*	($000)	($000)
	Dannemora subdivision remedial works	740	
	Ground fault neutralizer installation for rural substations	834	
	Network Communication upgrades	164	
	DR Site relocation	574	
	Network Automation	268	
	Switching Station	3	
	Arc Flash protection installation	440	
	* include additional rows if needed		
	All other reliability, safety and environment projects or programmes	212	
	Other reliability, safety and environment expenditure		3,237
less	Capital contributions funding other reliability, safety and environment	5	
	Other reliability, safety and environment less capital contributions		3,232

6a(ix): Non-Network Assets

Routine expenditure

	Project or programme*	($000)	($000)
	Computer Equipment	229	
	Computer Software	1,177	
	Plant and Equipment	442	
	Motor Vehicles	1,871	
	-	-	
	* include additional rows if needed		
	All other routine expenditure projects or programmes	-	
	Routine expenditure		3,719

Atypical expenditure

	Project or programme*	($000)	($000)
	-	-	
	-	-	
	-	-	
	-	-	
	-	-	
	* include additional rows if needed		
	All other atypical expenditure projects or programmes	-	
	Atypical expenditure		-
	Non-network assets expenditure		3,719

Company Name	**WEL Networks Limited**
For Year Ended	**31 March 2014**

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

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

sch ref		($000)	($000)
7	**6b(i): Operational Expenditure**		
8	Service interruptions and emergencies	2,932	
9	Vegetation management	1,361	
10	Routine and corrective maintenance and inspection	2,803	
11	Asset replacement and renewal	1,154	
12	**Network opex**		8,250
13	System operations and network support	3,436	
14	Business support	7,233	
15	**Non-network opex**		10,669
16			
17	**Operational expenditure**		18,919
18	**6b(ii): Subcomponents of Operational Expenditure (where known)**		
19	Energy efficiency and demand side management, reduction of energy losses		691
20	Direct billing*		-
21	Research and development		98
22	Insurance		453
23	** Direct billing expenditure by suppliers that directly bill the majority of their consumers*		

Company Name	**WEL Networks Limited**
For Year Ended	**31 March 2014**

SCHEDULE 7: COMPARISON OF FORECASTS TO ACTUAL EXPENDITURE

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

sch ref				
7	**7(i): Revenue**	**Target ($000) [1]**	**Actual ($000)**	**% variance**
8	Line charge revenue	94,365	92,602	(2%)
9	**7(ii): Expenditure on Assets**	**Forecast ($000) [2]**	**Actual ($000)**	**% variance**
10	Consumer connection	8,338	11,801	42%
11	System growth	25,047	14,459	(42%)
12	Asset replacement and renewal	12,683	12,927	1.9%
13	Asset relocations	2,659	3,881	46%
14	Reliability, safety and environment:			
15	Quality of supply	614	644	5%
16	Legislative and regulatory	675	355	(47%)
17	Other reliability, safety and environment	3,977	3,237	(19%)
18	**Total reliability, safety and environment**	5,265	4,235	(20%)
19	**Expenditure on network assets**	53,992	47,304	(12%)
20	Non-network capex	7,601	3,719	(51%)
21	**Expenditure on assets**	61,594	51,023	(17%)
22	**7(iii): Operational Expenditure**			
23	Service interruptions and emergencies	2,665	2,932	10%
24	Vegetation management	1,464	1,361	(7%)
25	Routine and corrective maintenance and inspection	1,981	2,803	41%
26	Asset replacement and renewal	1,724	1,154	(33%)
27	**Network opex**	7,834	8,250	5%
28	System operations and network support	6,014	3,436	(43%)
29	Business support	7,447	7,233	(3%)
30	**Non-network opex**	13,460	10,669	(21%)
31	**Operational expenditure**	21,294	18,919	(11%)
32	**7(iv): Subcomponents of Expenditure on Assets (where known)**			
33	Energy efficiency and demand side management, reduction of energy losses	14,556	7,961	(45%)
34	Overhead to underground conversion	1,000	1,752	75%
35	Research and development	N/A	-	-
36				
37	**7(v): Subcomponents of Operational Expenditure (where known)**			
38	Energy efficiency and demand side management, reduction of energy losses	N/A	691	-
39	Direct billing	N/A	-	-
40	Research and development	130	98	(25%)
41	Insurance	485	453	(7%)
42				
43	*1 From the nominal dollar target revenue for the disclosure year disclosed under clause 2.4.3(3) of the Determination*			
44	*2 From the nominal dollar expenditure forecast and disclosed in the second to last AMP as the year CY+1 forecast*			

SCHEDULE 8: REPORT ON BILLED QUANTITIES AND LINE CHARGE REVENUES

Company Name	**WEL Networks Limited**
For Year Ended	**31 March 2014**
Network / Sub-Network Name	

SCHEDULE 8: REPORT ON BILLED QUANTITIES AND LINE CHARGE REVENUES

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

sch ref

8(i): Billed Quantities by Price Component

Billed quantities by price component

Consumer group name or price category code	Consumer type or types (eg, residential, commercial etc.)	Standard or non-standard consumer group (specify)	Average no. of ICPs in disclosure year	Energy delivered to ICPs in disclosure year (MWh)	Price component	Fixed	Fixed	Fixed	Variable energy	Variable small scale distributed generation - export	Variable - Reactive energy	Variable	Rebate	Posted Discount	Posted Discount	Posted Discount	Prior Period Adjustments	Prior Period Adjustments	Prior Period Adjustments	Prior Period Adjustments	Prior Period Adjustments	*Add extra columns for additional billed quantities by price component as necessary*
					Unit charging basis (eg, days, kW of demand, kVA of capacity, etc.)	Days	Month	Equipment	MWh	MWh	kVARh	kW	kW	Days	Months	MWh	Days	Month	MWh	kW	kVARh	
1153	Residential	Standard	76,617	496,945		26,118,084	-	-	496,945	-	-	-	-	25,485,381	-	472,748	50,343	-	6,941	-	-	
1200	Small Business	Standard	5,949	200,593		3,991,715	-	-	200,593	-	-	-	-	4,214,059	-	212,438	-	-	-	-	-	
1250	Generation	Standard	58	456		16,077	-	-	456	153	-	-	-	41,356	-	991	-	-	-	-	-	
1293	Unmetered Streetlights	Standard	30	8,845		-	-	448,362	8,845	-	-	-	-	-	-	-	-	-	(520)	-	-	
1450	Other unmetered load	Standard	239	256		-	-	-	256	-	-	-	-	-	-	-	-	-	(21)	-	-	
1651	External Embedded Networks	Standard	2,238	14,067		820,384	-	-	14,067	-	-	-	-	64,234	-	1,358	469	-	(29)	-	-	
1354	Medium Voltage (11kV)	Standard	186	286,937		-	2,284	-	286,937	-	13,224,801	748,912	76,898	-	2,252	280,589	-	2	-	-	-	
1357	High Voltage (33kV)	Standard	3	21,927		-	36	-	21,927	-	173,326	45,210	45,217	-	36	21,927	-	-	-	-	-	
1360	Low Voltage High Energy (400V)	Standard	238	103,492		-	2,902	-	103,492	-	9,588,787	297,348	-	-	2,857	103,625	-	11	9	287	(523)	
1361	Low Voltage Low Energy (400V)	Standard	248	38,680		-	2,957	-	38,680	-	4,408,828	146,049	-	-	2,873	36,045	-	2	(87)	293	5,424	
1496	Commercial (asset specific)	Non-standard	1	8,997		-	13	-	8,997	-	10,763	6,987	-	-	12	8,161	-	-	-	-	-	
1557	Commercial (asset specific)	Non-standard	2	17,959		-	20	23	17,959	-	-	40,148	-	-	24	13,473	-	-	-	-	-	
1630	Commercial (asset specific)	Non-standard	1	383		-	12	-	383	-	1,014,909	6,618	-	-	-	-	-	-	-	-	-	
1700	Commercial (asset specific)	Non-standard	2	1,714		-	31	-	1,714	-	-	-	-	-	36	2,049	-	1	-	-	-	
1621	Commercial (asset specific)	Non-standard	1	0		-	15	-	0	-	10	2	-	-	-	-	-	2	1	2	273	
1662	Taupo Low User	Standard	-	-		-	-	-	-	-	-	-	-	-	-	-	-	-	0	-	-	
1663	Taupo Standard User	Standard	-	-		-	-	-	-	-	-	-	-	-	-	-	-	-	1	-	-	
Add extra rows for additional consumer groups or price category codes as necessary																						
		Standard consumer totals	85,804	1,172,198		30,946,260	8,179	448,362	1,172,198	153	27,395,742	1,237,518	122,115	29,805,030	8,018	1,129,720	50,812	15	6,294	580	4,901	
		Non-standard consumer totals	6	29,054		-	91	23	29,054	-	1,025,682	53,755	-	-	72	23,683	-	3	1	2	273	
		Total for all consumers	85,810	1,201,252		30,946,260	8,270	448,385	1,201,252	153	28,421,424	1,291,273	122,115	29,805,030	8,090	1,153,403	50,812	18	6,295	582	5,174	

8(ii): Line Charge Revenues ($000) by Price Component

Line charge revenues ($000) by price component

Consumer group name or price category code	Consumer type or types (eg, residential, commercial etc.)	Standard or non-standard consumer group (specify)	Total line charge revenue in disclosure year	Notional revenue foregone (if applicable)	Total distribution line charge revenue	Total transmission line charge revenue (if available)	Price component	Fixed	Fixed	Fixed	Variable energy	Variable small scale distributed generation - export	Variable - Reactive energy	Variable	Rebate	Posted Discount	Posted Discount	Posted Discount	Prior Period Adjustments	Prior Period Adjustments	Prior Period Adjustments	Prior Period Adjustments	Prior Period Adjustments	*Add extra columns for additional line charge revenues by price component as necessary*
							Rate (eg, $/day, $/kWh, etc.)	Days	Month	Equipment	MWh	MWh	kVARh	kW	kW	Days	Months	MWh	Days	Month	MWh	kW	kVARh	
1153	Residential	Standard	$43,508	$12,002	$43,508			$3,918	-	-	$50,832	-	-	-	-	($3,823)	-	($8,178)	$8	-	$752	-	-	
1200	Small Business	Standard	$20,215	$4,095	$20,215			$599	-	-	$23,711	-	-	-	-	($632)	-	($3,463)	-	-	-	-	-	
1250	Generation	Standard	$27	$22	$27			$2	-	-	$47	-	-	-	-	($6)	-	($16)	-	-	-	-	-	
1293	Unmetered Streetlights	Standard	$1,015	-	$1,015			-	-	$1,062	$13	-	-	-	-	-	-	-	-	-	($60)	-	-	
1450	Other unmetered load	Standard	$29	-	$29			-	-	-	$31	-	-	-	-	-	-	-	-	-	($2)	-	-	
1651	External Embedded Networks	Standard	$1,470	$31	$1,470			$100	-	-	$1,404	-	-	-	-	($8)	-	($23)	$0	-	($2)	-	-	
1354	Medium Voltage (11kV)	Standard	$14,403	$310	$14,403			-	$147	-	$6,890	-	$394	$7,297	($15)	-	($145)	($165)	-	$0	-	-	-	
1357	High Voltage (33kV)	Standard	$787	$4	$787			-	$2	-	$366	-	$5	$426	($9)	-	($2)	($2)	-	-	-	-	-	
1360	Low Voltage High Energy (400V)	Standard	$6,993	$391	$6,993			-	$188	-	$3,344	-	$286	$3,572	-	-	($184)	($207)	-	$1	($9)	$3	($0)	
1361	Low Voltage Low Energy (400V)	Standard	$3,094	$390	$3,094			-	$191	-	$1,509	-	$131	$1,658	-	-	($185)	($205)	-	$0	($3)	($2)	$0	
1496	Commercial (asset specific)	Non-standard	$101	$2	$101			-	$60	-	$19	-	$0	$23	-	-	($1)	($1)	-	-	-	-	-	
1557	Commercial (asset specific)	Non-standard	$677	$3	$677			-	$2	$6	$300	-	-	$372	-	-	($2)	($2)	-	-	-	-	-	
1630	Commercial (asset specific)	Non-standard	-	-	-			-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	
1700	Commercial (asset specific)	Non-standard	$287	$4	$287			-	$287	-	-	-	-	$29	-	-	($2)	($2)	-	($24)	-	($0)	-	
1621	Commercial (asset specific)	Non-standard	$1	-	$1			-	-	-	-	-	-	-	-	-	-	-	-	-	$1	-	-	
1662	Taupo Low User	Standard	$0	-	$0			-	-	-	-	-	-	-	-	-	-	-	-	-	$0	-	-	
1663	Taupo Standard User	Standard	($3)	-	($3)			-	-	-	-	-	-	-	-	-	-	-	-	-	($3)	-	-	
Add extra rows for additional consumer groups or price category codes as necessary																							
		Standard consumer totals	$91,536	$17,246	$91,536	-		$4,619	$528	$1,062	$88,146	-	$816	$12,953	($24)	($4,469)	($516)	($12,260)	$8	$1	$672	$1	$0	
		Non-standard consumer totals	$1,066	$9	$1,066	-		-	$349	$6	$319	-	$0	$424	-	-	($5)	($5)	-	($24)	$1	($0)	-	
		Total for all consumers	$92,602	$17,255	$92,602	-		$4,619	$877	$1,068	$88,465	-	$817	$13,378	($24)	($4,469)	($521)	($12,265)	$8	($23)	$673	$1	$0	

8(iii): Number of ICPs directly billed

Number of directly billed ICPs at year end	6	**Check**	**OK**

SCHEDULE 9A: ASSET REGISTER

Company Name	**WEL Networks Limited**
For Year Ended	**31 March 2014**
Network / Sub-network Name	

SCHEDULE 9a: ASSET REGISTER

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

sch ref	Voltage	Asset category	Asset class	Units	Items at start of year (quantity)	Items at end of year (quantity)	Net change	Data accuracy 1–4
8								
9	All	Overhead Line	Concrete poles / steel structure	No.	36,976	37,101	125	3
10	All	Overhead Line	Wood poles	No.	2,572	2,436	(136)	3
11	All	Overhead Line	Other pole types	No.	-	10	10	3
12	HV	Subtransmission Line	Subtransmission OH up to 66kV conductor	km	198	195	(3)	3
13	HV	Subtransmission Line	Subtransmission OH 110kV+ conductor	km	-	-	-	N/A
14	HV	Subtransmission Cable	Subtransmission UG up to 66kV (XLPE)	km	219	219	0	3
15	HV	Subtransmission Cable	Subtransmission UG up to 66kV (Oil pressurised)	km	-	-	-	N/A
16	HV	Subtransmission Cable	Subtransmission UG up to 66kV (Gas pressurised)	km	-	-	-	N/A
17	HV	Subtransmission Cable	Subtransmission UG up to 66kV (PILC)	km	15	15	(0)	3
18	HV	Subtransmission Cable	Subtransmission UG 110kV+ (XLPE)	km	-	-	-	N/A
19	HV	Subtransmission Cable	Subtransmission UG 110kV+ (Oil pressurised)	km	-	-	-	N/A
20	HV	Subtransmission Cable	Subtransmission UG 110kV+ (Gas Pressurised)	km	-	-	-	N/A
21	HV	Subtransmission Cable	Subtransmission UG 110kV+ (PILC)	km	-	-	-	N/A
22	HV	Subtransmission Cable	Subtransmission submarine cable	km	-	-	-	N/A
23	HV	Zone substation Buildings	Zone substations up to 66kV	No.	25	25	-	3
24	HV	Zone substation Buildings	Zone substations 110kV+	No.	-	-	-	N/A
25	HV	Zone substation switchgear	50/66/110kV CB (Indoor)	No.	-	-	-	N/A
26	HV	Zone substation switchgear	50/66/110kV CB (Outdoor)	No.	-	-	-	N/A
27	HV	Zone substation switchgear	33kV Switch (Ground Mounted)	No.	-	-	-	N/A
28	HV	Zone substation switchgear	33kV Switch (Pole Mounted)	No.	7	65	58	4
29	HV	Zone substation switchgear	33kV RMU	No.	10	9	(1)	4
30	HV	Zone substation switchgear	22/33kV CB (Indoor)	No.	83	89	6	4
31	HV	Zone substation switchgear	22/33kV CB (Outdoor)	No.	27	31	4	4
32	HV	Zone substation switchgear	3.3/6.6/11/22kV CB (ground mounted)	No.	-	-	-	N/A
33	HV	Zone substation switchgear	3.3/6.6/11/22kV CB (pole mounted)	No.	-	-	-	N/A
34	HV	Zone Substation Transformer	Zone Substation Transformers	No.	49	50	1	3
35	HV	Distribution Line	Distribution OH Open Wire Conductor	km	1,952	1,956	5	3
36	HV	Distribution Line	Distribution OH Aerial Cable Conductor	km	-	-	-	N/A
37	HV	Distribution Line	SWER conductor	km	-	-	-	N/A
38	HV	Distribution Cable	Distribution UG XLPE or PVC	km	495	507	12	3
39	HV	Distribution Cable	Distribution UG PILC	km	127	127	0	3
40	HV	Distribution Cable	Distribution Submarine Cable	km	-	-	-	N/A
41	HV	Distribution switchgear	3.3/6.6/11/22kV CB (pole mounted) - reclosers and sectionalisers	No.	145	140	(5)	3
42	HV	Distribution switchgear	3.3/6.6/11/22kV CB (Indoor)	No.	364	373	9	3
43	HV	Distribution switchgear	3.3/6.6/11/22kV Switches and fuses (pole mounted)	No.	6,468	6,121	(347)	3
44	HV	Distribution switchgear	3.3/6.6/11/22kV Switch (ground mounted) - except RMU	No.	-	-	-	3
45	HV	Distribution switchgear	3.3/6.6/11/22kV RMU	No.	865	918	53	3
46	HV	Distribution Transformer	Pole Mounted Transformer	No.	3,780	3,923	143	3
47	HV	Distribution Transformer	Ground Mounted Transformer	No.	1,716	1,782	66	3
48	HV	Distribution Transformer	Voltage regulators	No.	12	15	3	3
49	HV	Distribution Substations	Ground Mounted Substation Housing	No.	-	-	-	N/A
50	LV	LV Line	LV OH Conductor	km	1,059	1,084	25	3
51	LV	LV Cable	LV UG Cable	km	1,133	1,138	5	3
52	LV	LV Street lighting	LV OH/UG Streetlight circuit	km	1,142	1,149	7	3
53	LV	Connections	OH/UG consumer service connections	No.	87,075	87,272	197	2
54	All	Protection	Protection relays (electromechanical, solid state and numeric)	No.	820	882	62	3
55	All	SCADA and communications	SCADA and communications equipment operating as a single system	Lot	841	945	104	3
56	All	Capacitor Banks	Capacitors including controls	No	1	1	-	4
57	All	Load Control	Centralised plant	Lot	8	8	-	4
58	All	Load Control	Relays	No	53,311	53,387	76	1
59	All	Civils	Cable Tunnels	km	-	-	-	N/A

SCHEDULE 9B: ASSET AGE PROFILE

Company Name	**WEL Networks Limited**
For Year Ended	**31 March 2014**
Network / Sub-network Name	

SCHEDULE 9b: ASSET AGE PROFILE

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

sch ref

Disclosure Year (year ended) 31 March 2014

Number of assets at disclosure year end by installation date

9	Voltage	Asset category	Asset class	Units	pre-1940	1940 –1949	1950 –1959	1960 –1969	1970 –1979	1980 –1989	1990 –1999	2000	2001	2002	2003	2004	2005	2006	2007	2008	2009	2010	2011	2012	2013	2014	No. with Age unknown	Total assets at year end	No. with default dates	Data accuracy (1–4)
10	All	Overhead Line	Concrete poles / steel structure	No.	3	7	40	1,517	19,111	7,863	2,688	249	300	396	230	262	359	340	440	393	442	282	576	608	454	541	-	37,101	16	3
11	All	Overhead Line	Wood poles	No.	-	-	56	279	642	607	540	52	63	34	34	13	28	14	13	14	14	8	4	4	13	4	-	2,436	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	-	-	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	10	7	8	-	0	3	29	29	11	12	7	3	55	23	2	2	-	219	-	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	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	N/A
18	HV	Subtransmission Cable	Subtransmission UG up to 66kV (PILC)	km	-	-	-	-	15	1	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	15	-	3
19	HV	Subtransmission Cable	Subtransmission UG 110kV+ (XLPE)	km	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	N/A
20	HV	Subtransmission Cable	Subtransmission UG 110kV+ (Oil pressurised)	km	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	N/A
21	HV	Subtransmission Cable	Subtransmission UG 110kV+ (Gas Pressurised)	km	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	N/A
22	HV	Subtransmission Cable	Subtransmission UG 110kV+ (PILC)	km	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	N/A
23	HV	Subtransmission Cable	Subtransmission submarine cable	km	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	N/A
24	HV	Zone substation Buildings	Zone substations up to 66kV	No.	-	-	-	1	5	2	2	-	-	-	-	-	-	-	2	2	6	2	1	1	1	-	-	25	-	3
25	HV	Zone substation Buildings	Zone substations 110kV+	No.	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	N/A
26	HV	Zone substation switchgear	50/66/110kV CB (Indoor)	No.	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	N/A
27	HV	Zone substation switchgear	50/66/110kV CB (Outdoor)	No.	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	N/A
28	HV	Zone substation switchgear	33kV Switch (Ground Mounted)	No.	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	N/A
29	HV	Zone substation switchgear	33kV Switch (Pole Mounted)	No.	-	-	-	2	44	6	3	-	-	4	2	-	-	4	-	-	1	-	-	2	6	-	-	65	-	4
30	HV	Zone substation switchgear	33kV RMU	No.	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	2	6	-	-	-	9	-	4
31	HV	Zone substation switchgear	22/33kV CB (Indoor)	No.	-	-	-	-	-	-	29	-	-	-	-	-	-	-	-	18	19	-	10	13	-	-	-	89	-	4
32	HV	Zone substation switchgear	22/33kV CB (Outdoor)	No.	-	-	-	3	4	8	-	-	1	6	-	-	-	1	2	2	-	1	1	1	1	-	-	31	-	4
33	HV	Zone substation switchgear	3.3/6.6/11/22kV CB (ground mounted)	No.	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	N/A
34	HV	Zone substation switchgear	3.3/6.6/11/22kV CB (pole mounted)	No.	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	N/A
45	HV	Zone Substation Transformer	Zone Substation Transformers	No.	-	-	-	10	12	3	2	-	2	2	-	-	1	1	4	4	-	2	4	2	1	-	-	50	-	3
46	HV	Distribution Line	Distribution OH Open Wire Conductor	km	-	0	4	83	1,132	393	111	13	28	23	9	25	20	15	9	9	13	11	6	14	19	18	-	1,956	1	3
47	HV	Distribution Line	Distribution OH Aerial Cable Conductor	km	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	0	N/A
48	HV	Distribution Line	SWER conductor	km	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	N/A
49	HV	Distribution Cable	Distribution UG XLPE or PVC	km	-	-	-	44	63	45	41	16	13	20	10	16	21	25	19	30	41	20	15	24	22	22	-	507	-	3
50	HV	Distribution Cable	Distribution UG PILC	km	-	-	-	15	50	61	0	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	127	-	3
51	HV	Distribution Cable	Distribution Submarine Cable	km	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	N/A
52	HV	Distribution switchgear	3.3/6.6/11/22kV CB (pole mounted) - reclosers and sectionalisers	No.	-	-	-	-	5	16	3	1	2	7	4	14	39	2	4	6	9	2	2	12	8	4	-	140	-	3
53	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	-	-	373	-	3
54	HV	Distribution switchgear	3.3/6.6/11/22kV Switches and fuses (pole mounted)	No.	-	6	5	70	1,401	1,283	520	81	165	199	155	170	133	200	156	187	203	146	203	281	298	259	-	6,121	-	3
55	HV	Distribution switchgear	3.3/6.6/11/22kV Switch (ground mounted) - except RMU	No.	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	3
56	HV	Distribution switchgear	3.3/6.6/11/22kV RMU	No.	1	-	7	43	178	81	42	9	14	48	21	25	42	49	48	42	40	44	25	55	56	48	-	918	-	3
57	HV	Distribution Transformer	Pole Mounted Transformer	No.	5	23	69	140	274	674	744	74	109	138	129	109	144	153	153	153	160	100	104	173	138	157	-	3,923	-	3
58	HV	Distribution Transformer	Ground Mounted Transformer	No.	3	1	12	53	251	275	235	30	41	55	31	42	53	65	90	88	92	78	59	72	80	76	-	1,782	4	3
59	HV	Distribution Transformer	Voltage regulators	No.	-	-	-	-	4	1	1	2	-	-	-	-	-	1	1	-	1	-	3	-	-	1	-	15	-	3
60	HV	Distribution Substations	Ground Mounted Substation Housing	No.	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	N/A
61	LV	LV Line	LV OH Conductor	km	-	0	1	33	496	283	126	13	17	19	12	13	17	20	11	5	4	3	2	4	4	3	-	1,084	2	3
62	LV	LV Cable	LV UG Cable	km	0	4	-	57	202	274	134	26	26	27	28	35	44	56	40	48	33	16	18	19	24	25	0	1,138	0	3
63	LV	LV Street lighting	LV OH/UG Streetlight circuit	km	0	0	1	23	213	227	166	50	45	50	43	61	61	45	30	30	36	12	9	21	18	9	-	1,149	-	3
64	LV	Connections	OH/UG consumer service connections	No.	1	7	300	3,207	50,758	9,095	3,645	63	66	1,041	1,444	1,739	1,868	1,943	2,111	2,551	1,195	1,282	1,231	1,074	1,221	1,430	-	87,272	36,104	2
65	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	19	-	882	-	3
66	All	SCADA and communications	SCADA and communications equipment operating as a single system	Lot	-	-	-	-	-	19	18	24	60	45	24	46	63	14	77	23	104	66	72	139	92	59	-	945	-	3
67	All	Capacitor Banks	Capacitors including controls	No	-	-	-	-	-	-	-	-	-	-	-	-	1	-	-	-	-	-	-	-	-	-	-	1	-	4
68	All	Load Control	Centralised plant	Lot	-	-	-	3	1	1	-	-	-	-	-	-	3	-	-	-	-	-	-	-	-	-	-	8	-	4
69	All	Load Control	Relays	No	-	-	-	-	-	-	-	-	-	-	-	-	-	-	2	-	-	-	-	-	-	-	53,385	53,387	-	1
70	All	Civils	Cable Tunnels	km	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	N/A

SCHEDULE 9C: OVERHEAD LINES

Company Name	**WEL Networks Limited**
For Year Ended	**31 March 2014**
Network / Sub-network Name	**WEL Networks**

SCHEDULE 9c: REPORT ON OVERHEAD LINES AND UNDERGROUND CABLES

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

sch ref				
9				
10	**Circuit length by operating voltage (at year end)**	**Overhead (km)**	**Underground (km)**	**Total circuit length (km)**
11	> 66kV	-	-	-
12	50kV & 66kV	-	-	-
13	33kV	195	234	430
14	SWER (all SWER voltages)	-	-	-
15	22kV (other than SWER)	-	-	-
16	6.6kV to 11kV (inclusive—other than SWER)	1,956	634	2,590
17	Low voltage (< 1kV)	1,084	1,137	2,221
18	**Total circuit length (for supply)**	3,236	2,005	5,241
19				
20	Dedicated street lighting circuit length (km)	266	883	1,149
21	Circuit in sensitive areas (conservation areas, iwi territory etc) (km)			902
22				
23	**Overhead circuit length by terrain (at year end)**	**Circuit length (km)**	**(% of total overhead length)**	
24	Urban	523	16%	
25	Rural	1,975	61%	
26	Remote only	-	-	
27	Rugged only	737	23%	
28	Remote and rugged	-	-	
29	Unallocated overhead lines	-	-	
30	**Total overhead length**	3,236	100%	
31				
32		**Circuit length (km)**	**(% of total circuit length)**	
33	Length of circuit within 10km of coastline or geothermal areas (where known)	378	7%	
34		**Circuit length (km)**	**(% of total overhead length)**	
35	Overhead circuit requiring vegetation management	3,236	100%	

SCHEDULE 9D: REPORT ON EMBEDDED NETWORKS

Company Name	**WEL Networks Limited**
For Year Ended	**31 March 2014**

SCHEDULE 9d: REPORT ON EMBEDDED NETWORKS

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

sch ref	Location *	Number of ICPs served	Line charge revenue ($000)
9	Aotea (Transferred 31/3/14)	526	372
10	Belfast	38	39
11	Brick Street	14	95
12	Flagship	2	55
13	Half Moon Bay	54	51
14	Hulme Place	32	12
15	Jeffs Road Dannemora	850	515
16	Kirkdale	265	200
17	Oaklands	178	128
18	Parawera (Transferred 31/10/13)	10	9
19	Porchester Road	198	80
20	Ryan Place	50	25
21	Southgate (Transferred 31/3/14)	77	47
22	The Strand	51	23
23	Silverwood (Transferred 31/3/14)	62	27
24	-	-	-
25	-	-	-

** Extend embedded distribution networks table as necessary to disclose each embedded network owned by the EDB which is embedded in another EDB's network or in another embedded network*

SCHEDULE 9E: REPORT ON NETWORK DEMAND

Company Name	**WEL Networks Limited**
For Year Ended	**31 March 2014**
Network / Sub-network Name	

SCHEDULE 9e: REPORT ON NETWORK DEMAND

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

sch ref

9e(i): Consumer Connections

Number of ICPs connected in year by consumer type

	*Consumer types defined by EDB**	Number of connections (ICPs)
	Residential (1153)	840
	Small Business (1200)	383
	Small Scale Distributed Generation (1250)	-
	External Embedded Networks - non TOU (1651)	248
	Low Voltage Low Energy (400V) (1361)	12
	Low Voltage High Energy (400V) (1360)	6
	Medium Voltage (11kV) (1354)	2
	High Voltage (33kV) (1357)	-
	Unmetered Streetlighting (1293)	-
	Other unmetered load (1450)	1
	Commercial - Asset Specific (1557)	-
	Commercial - Asset Specific (1621)	-
	Commercial - Asset Specific (1630)	-
	Commercial - Asset Specific (1700)	1
	** include additional rows if needed*	
	Connections total	1,493

Distributed generation

Number of connections made in year	101	connections
Capacity of distributed generation installed in year	0	MVA

9e(ii): System Demand

		Demand at time of maximum coincident demand (MW)
	Maximum coincident system demand	
	GXP demand	255
plus	Distributed generation output at HV and above	31
	Maximum coincident system demand	287
less	Net transfers to (from) other EDBs at HV and above	-
	Demand on system for supply to consumers' connection points	287

		Energy (GWh)	Energy (GWh)
	Electricity volumes carried		
	Electricity supplied from GXPs	942	
less	Electricity exports to GXPs	115	
plus	Electricity supplied from distributed generation	414	
less	Net electricity supplied to (from) other EDBs	(16)	
	Electricity entering system for supply to consumers' connection points	1,259	
less	Total energy delivered to ICPs	1,201	
	Electricity losses (loss ratio)	57	4.6%

Load factor	50%

9e(iii): Transformer Capacity

	(MVA)
Distribution transformer capacity (EDB owned)	807
Distribution transformer capacity (Non-EDB owned)	26
Total distribution transformer capacity	833
Zone substation transformer capacity	740

SCHEDULE 10: REPORT ON NETWORK RELIABILITY

Company Name	**WEL Networks Limited**
For Year Ended	**31 March 2014**
Network / Sub-network Name	

SCHEDULE 10: REPORT ON NETWORK RELIABILITY

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

sch ref

10(i): Interruptions

	Interruptions by class	Number of interruptions
10	Class A (planned interruptions by Transpower)	-
11	Class B (planned interruptions on the network)	406
12	Class C (unplanned interruptions on the network)	579
13	Class D (unplanned interruptions by Transpower)	3
14	Class E (unplanned interruptions of EDB owned generation)	-
15	Class F (unplanned interruptions of generation owned by others)	-
16	Class G (unplanned interruptions caused by another disclosing entity)	7
17	Class H (planned interruptions caused by another disclosing entity)	-
18	Class I (interruptions caused by parties not included above)	-
19	**Total**	995

	Interruption restoration	≤3Hrs	>3hrs
22	Class C interruptions restored within	411	168

	SAIFI and SAIDI by class	SAIFI	SAIDI
25	Class A (planned interruptions by Transpower)	-	-
26	Class B (planned interruptions on the network)	0.20	21.98
27	Class C (unplanned interruptions on the network)	1.16	69.17
28	Class D (unplanned interruptions by Transpower)	0.25	6.17
29	Class E (unplanned interruptions of EDB owned generation)	-	-
30	Class F (unplanned interruptions of generation owned by others)	-	-
31	Class G (unplanned interruptions caused by another disclosing entity)	0.03	10.69
32	Class H (planned interruptions caused by another disclosing entity)	-	-
33	Class I (interruptions caused by parties not included above)	-	-
34	**Total**	1.65	108.0

	Normalised SAIFI and SAIDI	Normalised SAIFI	Normalised SAIDI
37	Classes B & C (interruptions on the network)	1.37	91.15

	Quality path normalised reliability limit	SAIFI reliability limit	SAIDI reliability limit
40	SAIFI and SAIDI limits applicable to disclosure year*	-	-
41	** not applicable to exempt EDBs*		

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

	Cause	SAIFI	SAIDI
45	Lightning	0.13	3.28
46	Vegetation	0.14	7.54
47	Adverse weather	0.22	11.69
48	Adverse environment	-	-
49	Third party interference	0.15	9.56
50	Wildlife	0.09	3.69
51	Human error	0.02	0.37
52	Defective equipment	0.41	32.99
53	Cause unknown	0.00	0.05

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

	Main equipment involved	SAIFI	SAIDI
65	Subtransmission lines	-	-
66	Subtransmission cables	-	-
67	Subtransmission other	-	-
68	Distribution lines (excluding LV)	0.08	9.98
69	Distribution cables (excluding LV)	-	-
70	Distribution other (excluding LV)	0.13	12.00

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

	Main equipment involved	SAIFI	SAIDI
74	Subtransmission lines	0.12	2.07
75	Subtransmission cables	-	-
76	Subtransmission other	0.02	1.23
77	Distribution lines (excluding LV)	0.68	38.76
78	Distribution cables (excluding LV)	0.10	8.55
79	Distribution other (excluding LV)	0.24	18.55

10(v): Fault Rate

	Main equipment involved	Number of Faults	Circuit length (km)	Fault rate (faults per 100km)
82	Subtransmission lines	4.00	195.37	2.05
83	Subtransmission cables	-	234.32	-
84	Subtransmission other	2.00		
85	Distribution lines (excluding LV)	180.00	1,956.43	9.20
86	Distribution cables (excluding LV)	29.00	633.83	4.58
87	Distribution other (excluding LV)	364.00		
88	**Total**	579		

SCHEDULE 11A: REPORT ON FORECAST CAPITAL EXPENDITURE

Company Name	**WEL Networks Limited**
AMP Planning Period	**1 April 2014 – 31 March 2024**

SCHEDULE 11a: REPORT ON FORECAST CAPITAL EXPENDITURE

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

sch ref

			Current Year CY	*CY+1*	*CY+2*	*CY+3*	*CY+4*	*CY+5*	*CY+6*	*CY+7*	*CY+8*	*CY+9*	*CY+10*
8		for year ended	**31 Mar 14**	**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**
9	**11a(i): Expenditure on Assets Forecast**		**$000 (in nominal dollars)**										
10	Consumer connection		11,295	7,564	7,838	8,401	8,532	8,244	8,171	8,467	8,774	9,092	9,421
11	System growth		14,055	20,315	24,294	19,183	24,589	19,745	15,014	9,816	13,843	9,336	7,015
12	Asset replacement and renewal		13,121	11,835	13,089	15,399	15,559	17,037	17,010	17,717	17,215	16,833	17,414
13	Asset relocations		3,930	2,694	2,792	2,893	2,998	3,106	3,219	3,335	3,456	3,582	3,711
14	Reliability, safety and environment:												
15	Quality of supply		582	622	644	668	692	717	743	770	798	827	856
16	Legislative and regulatory		379	104	680	111	115	119	-	-	-	-	-
17	Other reliability, safety and environment		3,285	2,109	4,791	2,797	1,621	1,596	2,054	2,321	2,659	1,299	340
18	**Total reliability, safety and environment**		4,246	2,834	6,115	3,576	2,428	2,432	2,797	3,090	3,456	2,125	1,197
19	**Expenditure on network assets**		46,647	45,242	54,128	49,452	54,107	50,564	46,211	42,425	46,744	40,968	38,759
20	Non-network assets		3,762	6,054	6,658	4,905	4,174	4,750	3,987	4,541	4,006	4,067	5,655
21	**Expenditure on assets**		50,409	51,297	60,786	54,357	58,281	55,314	50,198	46,966	50,750	45,034	44,414
22													
23	*plus* Cost of financing		184	558	1,092	1,252	1,482	1,666	1,503	1,642	1,813	528	-
24	*less* Value of capital contributions		5,540	3,983	4,127	4,138	4,228	4,319	4,379	4,538	4,703	4,873	5,049
25	*plus* Value of vested assets		-	-	-	-	-	-	-	-	-	-	-
26													
27	**Capital expenditure forecast**		45,053	47,872	57,751	51,472	55,535	52,661	47,322	44,070	47,861	40,690	39,365
28													
29	Value of commissioned assets		41,661	52,557	57,436	57,947	57,435	58,752	53,878	50,501	50,404	48,451	45,519

			Current Year CY	*CY+1*	*CY+2*	*CY+3*	*CY+4*	*CY+5*	*CY+6*	*CY+7*	*CY+8*	*CY+9*	*CY+10*
30		for year ended	**31 Mar 14**	**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**
32			**$000 (in constant prices)**										
33	Consumer connection		11,295	7,300	7,300	7,550	7,400	6,900	6,600	6,600	6,600	6,600	6,600
34	System growth		14,055	19,605	22,625	17,241	21,327	16,527	12,228	7,551	10,300	6,735	4,732
35	Asset replacement and renewal		13,121	11,421	12,190	13,840	13,495	14,260	13,740	13,810	12,950	12,220	12,200
36	Asset relocations		3,930	2,600	2,600	2,600	2,600	2,600	2,600	2,600	2,600	2,600	2,600
37	Reliability, safety and environment:												
38	Quality of supply		582	600	600	600	600	600	600	600	600	600	600
39	Legislative and regulatory		379	100	633	100	100	100	-	-	-	-	-
40	Other reliability, safety and environment		3,285	2,035	4,461	2,514	1,406	1,336	1,742	1,809	2,000	943	239
41	**Total reliability, safety and environment**		4,246	2,735	5,694	3,214	2,106	2,036	2,342	2,409	2,600	1,543	839
42	**Expenditure on network assets**		46,647	43,661	50,409	44,445	46,928	42,322	37,510	32,970	35,050	29,698	26,971
43	Non-network assets		3,762	5,945	6,420	4,644	3,881	4,337	3,574	3,998	3,463	3,452	4,714
44	**Expenditure on assets**		50,409	49,606	56,829	49,089	50,809	46,659	41,084	36,968	38,513	33,150	31,685
45													
46	**Subcomponents of expenditure on assets (where known)**												
47	Energy efficiency and demand side management, reduction of energy losses		7,329	7,441	6,815	337	337	337	337	337	337	337	337
48	Overhead to underground conversion		1,722	1,000	1,000	1,000	1,000	1,000	1,000	1,000	1,000	1,000	1,000
49	Research and development		-	-	-	-	-	-	-	-	-	-	-

SCHEDULE 11A continued

		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 14	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
Difference between nominal and constant price forecasts		$000										
Consumer connection		-	264	538	851	1,132	1,344	1,571	1,867	2,174	2,492	2,821
System growth		-	710	1,669	1,942	3,262	3,218	2,787	2,264	3,543	2,601	2,283
Asset replacement and renewal		-	414	899	1,559	2,064	2,777	3,270	3,907	4,265	4,613	5,214
Asset relocations		-	94	192	293	398	506	619	735	856	982	1,111
Reliability, safety and environment:												
Quality of supply		-	22	44	68	92	117	143	170	198	227	256
Legislative and regulatory		-	4	47	11	15	19	-	-	-	-	-
Other reliability, safety and environment		-	74	329	283	215	260	312	512	659	356	101
Total reliability, safety and environment		-	99	420	362	322	396	455	681	856	582	358
Expenditure on network assets		-	1,582	3,719	5,007	7,179	8,242	8,702	9,455	11,695	11,269	11,788
Non-network assets		-	109	238	261	293	413	413	543	543	615	941
Expenditure on assets		-	1,691	3,957	5,268	7,472	8,655	9,114	9,998	12,238	11,884	12,729

		Current Year CY	CY+1	CY+2	CY+3	CY+4	CY+5
	for year ended	31 Mar 14	31 Mar 15	31 Mar 16	31 Mar 17	31 Mar 18	31 Mar 19
11a(ii): Consumer Connection							
*Consumer types defined by EDB**		$000 (in constant prices)					
Traditional network non - TOU (time of use)		6,881	5,300	5,300	5,300	5,100	4,900
External embedded networks non-TOU		793	-	-	-	-	-
Demand TOU		-	-	-	-	-	-
400v TOU		2,475	1,461	1,461	1,461	1,461	1,461
11kV TOU		914	539	539	539	539	539
33kV TOU		-	-	-	-	-	-
Asset Specific Customer		231	-	-	250	300	-
*include additional rows if needed							
Consumer connection expenditure		11,295	7,300	7,300	7,550	7,400	6,900
less Capital contributions funding consumer connection		2,957	2,100	2,100	2,100	2,048	1,997
Consumer connection less capital contributions		8,338	5,200	5,200	5,450	5,352	4,903
11a(iii): System Growth							
Subtransmission		1,904	2,055	3,710	1,539	10,299	8,492
Zone substations		3,182	7,639	6,635	10,907	6,727	4,645
Distribution and LV lines		940	1,206	2,794	1,700	1,700	1,700
Distribution and LV cables		388	677	1,542	1,831	1,639	727
Distribution substations and transformers		239	526	567	290	290	290
Distribution switchgear		73	57	510	387	335	335
Other network assets		7,329	7,445	6,866	587	337	337
System growth expenditure		14,055	19,605	22,625	17,241	21,327	16,527
less Capital contributions funding system growth		-	-	-	-	-	-
System growth less capital contributions		14,055	19,605	22,625	17,241	21,327	16,527

		Current Year CY	CY+1	CY+2	CY+3	CY+4	CY+5
for year ended		31 Mar 14	31 Mar 15	31 Mar 16	31 Mar 17	31 Mar 18	31 Mar 19
11a(iv): Asset Replacement and Renewal		$000 (in constant prices)					
	Subtransmission	-	-	-	-	-	-
	Zone substations	1,185	918	1,088	1,880	2,125	590
	Distribution and LV lines	8,726	7,150	6,901	7,801	7,701	9,901
	Distribution and LV cables	219	98	77	77	77	77
	Distribution substations and transformers	1,075	856	1,776	1,876	1,626	1,626
	Distribution switchgear	1,183	1,550	1,475	1,360	1,360	1,320
	Other network assets	734	849	874	846	606	746
	Asset replacement and renewal expenditure	13,121	11,421	12,190	13,840	13,495	14,260
less	Capital contributions funding asset replacement and renewal	-	-	-	-	-	-
	Asset replacement and renewal less capital contributions	13,121	11,421	12,190	13,840	13,495	14,260
11a(v):Asset Relocations							
	*Project or programme**						
	Relocations	2,091	1,181	1,600	1,600	1,600	1,600
	SH39a Te Kowhai / Limmer Road Widening	1,130	419	-	-	-	-
	Undergrounding	709	1,000	1,000	1,000	1,000	1,000
	-	-	-	-	-	-	-
	-	-	-	-	-	-	-
	*include additional rows if needed						
	All other asset relocations projects or programmes	-	-	-	-	-	-
	Asset relocations expenditure	3,930	2,600	2,600	2,600	2,600	2,600
less	Capital contributions funding asset relocations	2,105	1,300	1,300	1,300	1,300	1,300
	Asset relocations less capital contributions	1,825	1,300	1,300	1,300	1,300	1,300
11a(vi):Quality of Supply							
	*Project or programme**						
	Voltage upgrade projects due to monitoring	221	500	500	500	500	500
	Power Quality - Works required to correct customer complaints	361	100	100	100	100	100
	-	-	-	-	-	-	-
	-	-	-	-	-	-	-
	-	-	-	-	-	-	-
	*include additional rows if needed						
	All other quality of supply projects or programmes	-	-	-	-	-	-
	Quality of supply expenditure	582	600	600	600	600	600
less	Capital contributions funding quality of supply	-	-	-	-	-	-
	Quality of supply less capital contributions	582	600	600	600	600	600
11a(vii): Legislative and Regulatory							
	*Project or programme**						
	Seismic upgrades of substations	49	100	633	100	100	100
	Seismic strengthening of Glasgow and Avalon (old) buildings	330	-	-	-	-	-
	-	-	-	-	-	-	-
	-	-	-	-	-	-	-
	-	-	-	-	-	-	-
	*include additional rows if needed						
	All other legislative and regulatory projects or programmes	-	-	-	-	-	-
	Legislative and regulatory expenditure	379	100	633	100	100	100
less	Capital contributions funding legislative and regulatory	-	-	-	-	-	-
	Legislative and regulatory less capital contributions	379	100	633	100	100	100

SCHEDULE 11A continued

		Current Year CY	CY+1	CY+2	CY+3	CY+4	CY+5
	for year ended	31 Mar 14	31 Mar 15	31 Mar 16	31 Mar 17	31 Mar 18	31 Mar 19
11a(viii): Other Reliability, Safety and Environment							
*Project or programme**		$000 (in constant prices)					
Dannemora subdivision remedial works		755	-	-	-	-	-
Ground fault neutralizer installation for rural substations		773	315	400	600	600	600
Network Communication upgrades		157	248	880	623	163	390
DR Site relocation		635	-	-	-	-	-
Network Automation		256	576	208	242	242	50
Place Switching Station		14	200	1,263	-	-	-
Arc Flash protection installation		460	126	550	600	-	-
*include additional rows if needed							
All other reliability, safety and environment projects or programmes		236	571	1,161	450	402	296
Other reliability, safety and environment expenditure		3,285	2,035	4,461	2,514	1,406	1,336
less Capital contributions funding other reliability, safety and environment		-	-	-	-	-	-
Other reliability, safety and environment less capital contributions		3,285	2,035	4,461	2,514	1,406	1,336
11a(ix): Non-Network Assets							
Routine expenditure							
*Project or programme**							
Computer Equipment		173	745	450	300	700	400
Comp Software		1,372	2,826	3,022	2,090	925	2,145
Plant and Equipment		374	454	536	300	326	300
Motor Vehicles		1,842	1,670	2,412	1,954	1,930	1,492
-		-	-	-	-	-	-
*include additional rows if needed							
All other routine expenditure projects or programmes		-	-	-	-	-	-
Routine expenditure		3,762	5,695	6,420	4,644	3,881	4,337
Atypical expenditure							
*Project or programme**							
Office and depot purchase and renovations		-	250	-	-	-	-
-		-	-	-	-	-	-
-		-	-	-	-	-	-
-		-	-	-	-	-	-
-		-	-	-	-	-	-
*include additional rows if needed							
All other atypical projects or programmes		-	-	-	-	-	-
Atypical expenditure		-	250	-	-	-	-
Non-network assets expenditure		3,762	5,945	6,420	4,644	3,881	4,337

SCHEDULE 11B: REPORT ON FORECAST OPERATIONAL EXPENDITURE

Company Name	**WEL Networks Limited**
AMP Planning Period	**1 April 2014 – 31 March 2024**

SCHEDULE 11b: REPORT ON FORECAST OPERATIONAL EXPENDITURE

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

sch ref												
7		*Current Year CY*	*CY+1*	*CY+2*	*CY+3*	*CY+4*	*CY+5*	*CY+6*	*CY+7*	*CY+8*	*CY+9*	*CY+10*
8	for year ended	**31 Mar 14**	**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**
9	**Operational Expenditure Forecast**	**$000 (in nominal dollars)**										
10	Service interruptions and emergencies	2,890	2,847	2,950	3,056	3,167	3,281	3,400	3,523	3,650	3,782	3,918
11	Vegetation management	1,341	1,237	1,281	1,248	1,293	1,218	1,262	1,046	1,084	1,123	1,164
12	Routine and corrective maintenance and inspection	2,763	2,926	3,032	3,141	3,255	3,313	3,432	3,556	3,749	3,874	4,026
13	Asset replacement and renewal	1,138	1,318	1,313	1,383	1,526	1,629	1,687	1,492	1,644	1,797	1,862
14	**Network Opex**	8,132	8,328	8,575	8,829	9,240	9,440	9,781	9,617	10,127	10,576	10,971
15	System operations and network support	5,710	6,078	6,301	6,539	6,791	7,047	7,342	7,504	7,819	8,114	8,327
16	Business support	7,634	8,572	9,069	9,580	9,961	10,375	10,750	11,208	11,639	12,080	12,545
17	**Non-network opex**	13,344	14,650	15,371	16,119	16,752	17,421	18,091	18,713	19,458	20,194	20,872
18	**Operational expenditure**	21,476	22,978	23,946	24,949	25,992	26,862	27,873	28,330	29,585	30,770	31,842

19		*Current Year CY*	*CY+1*	*CY+2*	*CY+3*	*CY+4*	*CY+5*	*CY+6*	*CY+7*	*CY+8*	*CY+9*	*CY+10*
20	for year ended	**31 Mar 14**	**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**
21		**$000 (in constant prices)**										
22	Service interruptions and emergencies	2,890	2,748	2,748	2,748	2,748	2,748	2,748	2,748	2,748	2,748	2,748
23	Vegetation management	1,341	1,193	1,193	1,122	1,122	1,020	1,020	816	816	816	816
24	Routine and corrective maintenance and inspection	2,763	2,824	2,824	2,824	2,824	2,774	2,774	2,774	2,822	2,815	2,824
25	Asset replacement and renewal	1,138	1,272	1,223	1,244	1,324	1,364	1,364	1,164	1,238	1,306	1,306
26	**Network Opex**	8,132	8,038	7,988	7,937	8,018	7,906	7,906	7,501	7,624	7,685	7,693
27	System operations and network support	5,710	5,875	5,887	5,905	5,927	5,945	5,987	5,915	5,957	5,975	5,927
28	Business support	7,634	8,285	8,473	8,651	8,695	8,753	8,766	8,835	8,868	8,896	8,930
29	**Non-network opex**	13,344	14,160	14,361	14,557	14,622	14,699	14,754	14,750	14,826	14,872	14,857
30	**Operational expenditure**	21,476	22,198	22,348	22,494	22,640	22,604	22,659	22,252	22,449	22,556	22,551
31	**Subcomponents of operational expenditure (where known)**											
32	Energy efficiency and demand side management, reduction of energy losses	881	1,197	1,216	1,248	1,327	1,318	1,327	1,318	1,409	1,400	1,409
34	Direct billing*	-	-	-	-	-	-	-	-	-	-	-
35	Research and Development	119	135	135	135	135	135	135	135	135	135	135
36	Insurance	469	503	503	503	503	503	503	503	503	503	503
37	** Direct billing expenditure by suppliers that direct bill the majority of their consumers*											

39		*Current Year CY*	*CY+1*	*CY+2*	*CY+3*	*CY+4*	*CY+5*	*CY+6*	*CY+7*	*CY+8*	*CY+9*	*CY+10*
40	for year ended	**31 Mar 14**	**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**
41	**Difference between nominal and real forecasts**	**$000**										
42	Service interruptions and emergencies	-	99	202	309	419	533	652	775	902	1,034	1,171
43	Vegetation management	-	43	88	126	171	198	242	230	268	307	348
44	Routine and corrective maintenance and inspection	-	102	208	317	431	539	658	782	927	1,059	1,203
45	Asset replacement and renewal	-	46	90	140	202	265	324	328	406	491	556
46	**Network Opex**	-	290	588	892	1,223	1,535	1,876	2,115	2,503	2,892	3,277
47	System operations and network support	-	203	414	634	863	1,101	1,354	1,589	1,862	2,138	2,399
48	Business support	-	286	596	929	1,266	1,622	1,983	2,373	2,771	3,184	3,615
49	**Non-network opex**	-	490	1,010	1,563	2,130	2,723	3,338	3,962	4,633	5,322	6,014
50	**Operational expenditure**	-	780	1,598	2,454	3,352	4,258	5,214	6,078	7,136	8,214	9,292

SCHEDULE 12A: REPORT ON ASSET CONDITION

Company Name **WEL Networks Limited**

AMP Planning Period **1 April 2014 – 31 March 2024**

SCHEDULE 12a: REPORT ON ASSET CONDITION

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

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Asset condition at start of planning period (percentage of units by grade)

	Voltage	Asset category	Asset class	Units	Grade 1	Grade 2	Grade 3	Grade 4	Grade unknown	Data accuracy (1–4)	% of asset forecast to be replaced in next 5 years
10	All	Overhead Line	Concrete poles / steel structure	No.	-	7.25%	18.08%	64.68%	10.00%	2	2.17%
11	All	Overhead Line	Wood poles	No.	21.32%	7.28%	60.15%	1.25%	10.00%	2	35.00%
12	All	Overhead Line	Other pole types	No.	-	-	-	-	-	N/A	-
13	HV	Subtransmission Line	Subtransmission OH up to 66kV conductor	km	-	-	-	-	-	N/A	-
14	HV	Subtransmission Line	Subtransmission OH 110kV+ conductor	km	-	-	-	-	-	N/A	-
15	HV	Subtransmission Cable	Subtransmission UG up to 66kV (XLPE)	km	-	-	-	-	-	N/A	-
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	-	-	-	-	-	N/A	-
18	HV	Subtransmission Cable	Subtransmission UG up to 66kV (PILC)	km	-	-	-	-	-	N/A	-
19	HV	Subtransmission Cable	Subtransmission UG 110kV+ (XLPE)	km	-	-	-	-	-	N/A	-
20	HV	Subtransmission Cable	Subtransmission UG 110kV+ (Oil pressurised)	km	-	-	-	-	-	N/A	-
21	HV	Subtransmission Cable	Subtransmission UG 110kV+ (Gas Pressurised)	km	-	-	-	-	-	N/A	-
22	HV	Subtransmission Cable	Subtransmission UG 110kV+ (PILC)	km	-	-	-	-	-	N/A	-
23	HV	Subtransmission Cable	Subtransmission submarine cable	km	-	-	-	-	-	N/A	-
24	HV	Zone substation Buildings	Zone substations up to 66kV	No.	-	2.11%	58.73%	34.16%	5.00%	3	-
25	HV	Zone substation Buildings	Zone substations 110kV+	No.	-	-	-	-	-	N/A	-
26	HV	Zone substation switchgear	22/33kV CB (Indoor)	No.	0.19%	8.02%	56.42%	30.38%	5.00%	2	20.37%
27	HV	Zone substation switchgear	22/33kV CB (Outdoor)	No.	0.19%	8.02%	56.42%	30.38%	5.00%	2	20.37%
28	HV	Zone substation switchgear	33kV Switch (Ground Mounted)	No.	-	-	-	-	-	N/A	-
29	HV	Zone substation switchgear	33kV Switch (Pole Mounted)	No.	-	-	100.00%	-	-	3	-
30	HV	Zone substation switchgear	33kV RMU	No.	-	-	-	100.00%	-	3	-
31	HV	Zone substation switchgear	50/66/110kV CB (Indoor)	No.	-	-	-	-	-	N/A	-
32	HV	Zone substation switchgear	50/66/110kV CB (Outdoor)	No.	-	-	-	-	-	N/A	-
33	HV	Zone substation switchgear	3.3/6.6/11/22kV CB (ground mounted)	No.	-	-	-	-	-	N/A	-
34	HV	Zone substation switchgear	3.3/6.6/11/22kV CB (pole mounted)	No.	-	-	-	-	-	N/A	-

Asset condition at start of planning period (percentage of units by grade)

	Voltage	Asset category	Asset class	Units	Grade 1	Grade 2	Grade 3	Grade 4	Grade unknown	Data accuracy (1–4)	% of asset forecast to be replaced in next 5 years
45	HV	Zone Substation Transformer	Zone Substation Transformers	No.	5.80%	-	49.15%	40.05%	5.00%	3	16.33%
46	HV	Distribution Line	Distribution OH Open Wire Conductor	km	3.32%	19.97%	5.14%	71.57%	-	2	5.28%
47	HV	Distribution Line	Distribution OH Aerial Cable Conductor	km	-	-	-	-	-	N/A	-
48	HV	Distribution Line	SWER conductor	km	-	-	-	-	-	N/A	-
49	HV	Distribution Cable	Distribution UG XLPE or PVC	km	-	-	-	-	-	N/A	0.28%
50	HV	Distribution Cable	Distribution UG PILC	km	-	-	-	-	-	N/A	1.09%
51	HV	Distribution Cable	Distribution Submarine Cable	km	-	-	-	-	-	N/A	-
52	HV	Distribution switchgear	3.3/6.6/11/22kV CB (pole mounted) - reclosers and sectionalisers	No.	-	-	100.00%	-	-	2	41.67%
53	HV	Distribution switchgear	3.3/6.6/11/22kV CB (Indoor)	No.	0.02%	-	67.34%	27.64%	5.00%	3	4.40%
54	HV	Distribution switchgear	3.3/6.6/11/22kV Switches and fuses (pole mounted)	No.	4.88%	-	16.14%	63.97%	15.00%	4	5.30%
55	HV	Distribution switchgear	3.3/6.6/11/22kV Switch (ground mounted) - except RMU	No.	-	-	-	-	-	N/A	-
56	HV	Distribution switchgear	3.3/6.6/11/22kV RMU	No.	3.03%	3.25%	50.83%	22.88%	20.00%	3	9.53%
57	HV	Distribution Transformer	Pole Mounted Transformer	No.	6.54%	-	7.98%	60.48%	25.00%	3	15.37%
58	HV	Distribution Transformer	Ground Mounted Transformer	No.	10.77%	-	32.26%	36.96%	20.00%	3	15.21%
59	HV	Distribution Transformer	Voltage regulators	No.	3.06%	1.70%	32.35%	57.89%	5.00%	3	8.33%
60	HV	Distribution Substations	Ground Mounted Substation Housing	No.	-	-	-	-	-	N/A	-
61	LV	LV Line	LV OH Conductor	km	-	-	-	-	-	N/A	0.06%
62	LV	LV Cable	LV UG Cable	km	-	-	-	-	-	N/A	0.22%
63	LV	LV Streetlighting	LV OH/UG Streetlight circuit	km	-	-	-	-	-	N/A	0.09%
64	LV	Connections	OH/UG consumer service connections	No.	-	-	-	-	-	N/A	-
65	All	Protection	Protection relays (electromechanical, solid state and numeric)	No.	23.22%	36.11%	11.91%	18.75%	10.00%	3	32.93%
66	All	SCADA and communications	SCADA and communications equipment operating as a single system	Lot	19.53%	4.59%	-	65.88%	10.00%	3	16.05%
67	All	Capacitor Banks	Capacitors including controls	No.	-	-	-	100.00%	-	3	-
68	All	Load Control	Centralised plant	Lot	3.25%	-	63.09%	23.66%	10.00%	3	12.50%
69	All	Load Control	Relays	No.	-	-	-	-	-	N/A	-
70	All	Civils	Cable Tunnels	km	-	-	-	-	-	N/A	-

Company Name **WEL Networks Limited**

AMP Planning Period **1 April 2014 – 31 March 2024**

SCHEDULE 12b: REPORT ON FORECAST CAPACITY

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

sch ref

12b(i): System Growth - Zone Substations

Existing Zone Substations	Current Peak Load (MVA)	Installed Firm Capacity (MVA)	Security of Supply Classification (type)	Transfer Capacity (MVA)	Utilisation of Installed Firm Capacity %	Installed Firm Capacity +5 years (MVA)	Utilisation of Installed Firm Capacity + 5yrs %	Installed Firm Capacity Constraint +5 years (cause)	Explanation
Avalon Dr	18.4	23	N-1	11.45	80%	23	1	No constraint within +5 years	-
Borman	12.5	23	N-1	12.50	54%	23	1	No constraint within +5 years	-
Bryce St	15.4	23	N-1	15.40	67%	23	1	No constraint within +5 years	-
Chartwell	19.2	23	N-1	14.90	83%	23	1	No constraint within +5 years	-
Claudelands	20.7	23	N-1	20.70	90%	23	1	No constraint within +5 years	-
Cobham	13.7	23	N-1	13.70	60%	23	1	No constraint within +5 years	-
Finlayson Rd	3	7.5	N	3.00	40%	8	0	No constraint within +5 years	-
Glasgow St	6.49	10	N	5.62	65%	10	1	No constraint within +5 years	-
Gordonton	6.75	10	N	6.80	68%	10	1	No constraint within +5 years	2x5MVA transformer. Due to bus arrangement, practically an N-security site.
Hampton Downs	0.81	10	N	0.80	8%	10	0	No constraint within +5 years	-
Horotiu	11.49	18	N-1	11.50	64%	18	1	No constraint within +5 years	-
Kent St	17	23	N-1	17.00	74%	23	1	No constraint within +5 years	-
Kimihia	4.29	10	N	1.50	43%	10	0	No constraint within +5 years	-
Latham Court	17.99	23	N-1	14.38	78%	23	1	No constraint within +5 years	-
Hoeka Rd (planned)	0	0	N-1	-	-	23	0	No constraint within +5 years	Subject to review given the Ruakura development
Ngaruawahia	5.67	7.5	N-1	5.70	76%	8	1	No constraint within +5 years	-
Peacockes Rd	13.99	10	N-1	12.04	140%	23	1	No constraint within +5 years	4-hours emergency rating 15MVA.
Pukete - Anchor (major customer)	18.12	30	N-1	-	60%	30	1	No constraint within +5 years	-
Pukete - WEL's 11kV	8.27	15	N-1	8.30	55%	15	1	No constraint within +5 years	3-winding tx - share with Contact Energy
Raglan	5.4	23	N	5.10	23%	23	0	Subtransmission circuit	limited by the incoming 33kV OH conductor - suggested by Sriram
Ruakura (Replacing TP HAM 11 kV GXP.)	35.01	40	N-1	13.13	88%	46	1	No constraint within +5 years	Phase shift issue at 11kV.
Sandwich Rd	21.33	23	N-1	14.30	93%	23	1	No constraint within +5 years	-
Tasman	18.63	23	N-1	18.00	81%	46	1	No constraint within +5 years	-
Te Kauwhata	4.04	5	N-1	4.00	81%	10	0	No constraint within +5 years	-
Te Uku	1.13	10	N	1.10	11%	10	0	No constraint within +5 years	-
Wallace Rd	14.42	10	N-1	14.40	144%	23	1	No constraint within +5 years	4-hours emergency rating 15MVA.
Weavers	8.81	7.5	N-1	8.60	117%	15	0	No constraint within +5 years	4-hours emergency rating 11.25MVA.
Whatawhata	2.74	23	N	2.70	12%	23	0	No constraint within +5 years	-

[1] *Extend forecast capacity table as necessary to disclose all capacity by each zone substation*

12b(ii): Transformer Capacity

	(MVA)
Distribution transformer capacity (EDB owned)	807
Distribution transformer capacity (Non-EDB owned)	26
Total distribution transformer capacity	833
Zone substation transformer capacity	740

Company Name	**WEL Networks Limited**
AMP Planning Period	**1 April 2014 – 31 March 2024**

SCHEDULE 12C: REPORT ON FORECAST NETWORK DEMAND

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

sch ref

12c(i): Consumer Connections

Number of ICPs connected in year by consumer type

		Number of connections					
	for year ended	*Current Year CY* **31 Mar 14**	*CY+1* **31 Mar 15**	*CY+2* **31 Mar 16**	*CY+3* **31 Mar 17**	*CY+4* **31 Mar 18**	*CY+5* **31 Mar 19**
*Consumer types defined by EDB**							
Residential Customers		70,917	71,435	71,956	72,482	73,011	73,544
Business Customers		11,868	12,100	12,337	12,579	12,826	13,077
Large Customers - Low Voltage 400V		490	510	530	551	573	596
Large Customers - Medium Voltage 11kV		189	189	189	190	190	190
Large Customers - High Voltage 33kV		3	3	3	3	3	3
Asset Specific Customers		7	5	5	5	5	5
Unmetered Customers		264	253	243	234	224	215
External Network Customers		2,300	2,565	2,859	2,928	2,928	2,928
Connections total		83,467	84,237	85,016	85,804	86,602	87,410

**include additional rows if needed*

Distributed generation

Number of connections		100	210	294	406	524	650
Installed connection capacity of distributed generation (MVA)		117	117	118	118	118	118

12c(ii) System Demand

Maximum coincident system demand (MW)	for year ended	*Current Year CY* **31 Mar 14**	*CY+1* **31 Mar 15**	*CY+2* **31 Mar 16**	*CY+3* **31 Mar 17**	*CY+4* **31 Mar 18**	*CY+5* **31 Mar 19**
GXP demand		255	263	269	275	281	285
plus Distributed generation output at HV and above		-	-	-	-	-	-
Maximum coincident system demand		255	263	269	275	281	285
less Net transfers to (from) other EDBs at HV and above		-	-	-	-	-	-
Demand on system for supply to consumers' connection points		255	263	269	275	281	285
Electricity volumes carried (GWh)							
Electricity supplied from GXPs		937	952	962	981	998	1,013
less Electricity exports to GXPs		135	136	139	143	146	146
plus Electricity supplied from distributed generation		461	461	469	469	469	469
less Net electricity supplied to (from) other EDBs		(14)	(15)	(15)	(15)	(16)	(17)
Electricity entering system for supply to ICPs		1,277	1,292	1,307	1,322	1,337	1,353
less Total energy delivered to ICPs		1,213	1,227	1,241	1,256	1,270	1,285
Losses		64	65	66	66	67	68
Load factor		57%	56%	55%	55%	54%	54%
Loss ratio		5.0%	5.0%	5.0%	5.0%	5.0%	5.0%

Company Name	**WEL Networks Limited**
AMP Planning Period	**1 April 2014 – 31 March 2024**
Network / Sub-network Name	

SCHEDULE 12d: REPORT FORECAST INTERRUPTIONS AND DURATION

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

sch ref		*Current Year CY*	*CY+1*	*CY+2*	*CY+3*	*CY+4*	*CY+5*
8							
9	for year ended	**31 Mar 14**	**31 Mar 15**	**31 Mar 16**	**31 Mar 17**	**31 Mar 18**	**31 Mar 19**
10	**SAIDI**						
11	Class B (planned interruptions on the network)	17.5	32.8	32.8	32.8	32.8	32.8
12	Class C (unplanned interruptions on the network)	73.0	59.3	49.5	44.9	41.2	37.3
13	**SAIFI**						
14	Class B (planned interruptions on the network)	0.20	0.36	0.36	0.36	0.36	0.36
15	Class C (unplanned interruptions on the network)	1.20	1.11	1.06	1.01	0.94	0.85

SCHEDULE 14: MANDATORY EXPLANATORY NOTES

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

1. This Schedule requires EDBs to provide explanatory notes to information provided in accordance with clauses 2.3.1, 2.4.21, 2.4.22, and 2.5.2.

2. This Schedule is mandatory—EDBs must provide the explanatory comment specified below, in accordance with clause 2.7.1. Information provided in boxes 1 to 12 of this schedule is part of the audited disclosure information, and so is subject to the assurance requirements specified in section 2.8.

3. Schedule 15 (Voluntary Explanatory Notes to Schedules) provides for EDBs to give additional explanation of disclosed information should they elect to do so.

Return on Investment (Schedule 2)

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

Box 1: Explanatory comment on return on investment
The 2012 and 2013 had incorrect tax calculations in schedule 5a. The calculation should have included an adjustment for revaluations as income included in regulatory profit which is not deductible for tax. The ROI disclosed was 6.27% (2012) and 5.23% (2013). The ROI should have been 6.73% (2012) and 5.48% (2013).

Clause 2.3.3 thresholds has been met and therefore we have elected not to publish alternative ROI.

Regulatory Profit (Schedule 3)

5. In the box below, comment on regulatory profit for the disclosure year as disclosed in Schedule 3. This comment must include-

   5.1 a description of material items included in 'other regulatory line income' other than gains and losses on asset sales, as disclosed in 3(i) of Schedule 3

   5.2 information on reclassified items in accordance with clause 2.7.1(2).

Box 2: Explanatory comment on regulatory profit
Transmission rental rebates from Transpower have been reclassified from other regulatory line income to pass-through and recoverable costs. This has been reclassified as Commerce Commission has clarified that the transmission rental rebates are not other regulatory line income and we have therefore determined that the most logical place would be to reduce recoverable costs i.e. net the rebate from Transpower charges.

Gains / (losses) on assets disposed have been calculated using RAB book values. The definition in electricity distribution information disclosure determination indicates that GAAP values should be used. However in a workshop held by Commerce Commission they stated that RAB values should be used. The prior year gains / (losses) on assets disposed were calculated using GAAP.

No other items were reclassified.

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.

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

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

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

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

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

Value of the Regulatory Asset Base (Schedule 4)

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

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

Section 4(vii) The opening RAB for asset categories required last year was not readily available. The opening values were apportioned based on the asset categories available in the company's accounting asset register and therefore were approximate only. During 2014 a specific RAB register was created to cater for the categorisation and unique calculations required for the regulatory accounts. The variance between the opening balance that was disclosed in 2013 and the new RAB register is shown in Asset Category transfers.

Section 4(iv) Roll Forward of Works Under Construction. The works under construction figure is a lot higher than the previous year. This is because the RAB database cannot include assets that were commissioned but not yet capitalised due to not having sufficient detailed information such as standard life and asset categorisation. Assets are capitalised once the project is completed including receiving asbuilt information. The value of assets commissioned but not included in the RAB is $8.3M. The WIP balance associated with these assets will be rolled out of WIP once these assets are capitalised into the RAB register.

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

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

    8.1 income not included in regulatory profit / (loss) before tax but taxable;

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

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

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

Box 5: Regulatory tax allowance: permanent differences

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

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

- non deductible portion of entertainment $33K
- 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 $30K
- revaluations $6,999K

8.4 *expenditure or loss deductible but not in regulatory profit / (loss) before tax :* no items

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

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

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

Temporary differences relates to :

- Wage related payments not paid within 63 days $8K
- Impaired assets ($88K)

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

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

Box 7: Related party transactions

WEL Networks incur costs on behalf of a subsidiary, Waikato Networks Limited. These are oncharged at cost via a management fee.

This is not disclosed as separate items of revenue and expenditure as the net impact is nil.

Cost allocation (Schedule 5d)

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

Box 8: Cost allocation
No items were reclassified.

All costs are considered directly attributable, as under the Input Memorandum (IM) determination we have applied ACAM. The management fee structure with subsidiaries nets out the costs and effectively means the remaining amount is directly attributable.

Asset allocation (Schedule 5e)

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

Box 9: Commentary on asset allocation
No items were reclassified.

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.

Capital Expenditure for the Disclosure Year (Schedule 6a)

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

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

    13.2 information on reclassified items in accordance with clause 2.7.1(2),

Box 10: Explanation of capital expenditure for the disclosure year
WEL classifies a project with total cost over $0.5M as a major capital project. All capital projects are approved by the WEL Board and progress is reported monthly to the Board. Major capital projects are reported to the Board in a higher level of detail.

No items were reclassified.

Operational Expenditure for the Disclosure Year (Schedule 6b)

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

    14.1 commentary on assets replaced or renewed with asset replacement and renewal operating expenditure, as reported in 6b(i) of Schedule 6b;

    14.2 information on reclassified items in accordance with clause 2.7.1(2);

14.3 commentary on any material atypical expenditure included in operational expenditure disclosed in Schedule 6b, 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

There were three atypical events that had a material impact on operational expenditure.

- High replacement costs were incurred to replace stolen earth conductors due to an organised crime group that targeted the copper earthing conductors for scrap.
- High costs to replace failed 33kV transformer terminations at the Horotiu Zone substation
- The storm damage to the network in April and September 2013.

Demand side management costs of $691K relate to the cost of running the smart grid network.

Variance between forecast and actual expenditure (Schedule 7)

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

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

7(ii) Expenditure on assets

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

System growth was lower than forecast due to:

- Deferral of smart box project installation ($7.5M) was mainly due to insufficient resources to implement the original plan.
- Deferral of WHA CB6 - WAL CB6 Feeder interconnection project ($0.45M)
- Carried over several projects from 13/14 into 14/15 financial year ($2.6M)

Asset replacement and renewal is generally aligned with the forecast. The small amount of overrun is due to more capitalised faults.

Asset relocations were higher than the forecast due to more relocation requests.

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

- Legislative and regulatory: Seismic strengthening of the Glasgow zone substation has been rescheduled to 15/16. This was due to increased risk to relocate existing old switchgear and need to allow for future 33Kv switchgear installation in building alterations. This is being reviewed again to allow for different option evaluation.
- Other reliability, safety and environment: Caro Street Switching Station was deferred by the customer. We have re-categorised this work to safety driven works to mitigate an identified safety risk at the existing Garden Place Switching Station (which Caro Street will replace).

Non-network capex is lower than forecast due to:

- Renovations to the corporate head office and depot did not go ahead $1.6M.
- Software projects were deferred to the following year. This happened for a number of reasons including business requirements and timing changed and there was not enough resources to complete the programmed work.

7(iii) Operational Expenditure

- Service interruptions and emergencies: Overspend mainly due to storm damage repairs to the network in April and September 2013.
- Vegetation management: Under spend mainly due to planned cutting costs expected under the accelerated inspection program did not occur due to delays caused by difficulties obtaining the necessary land owner consents.
- Routine and corrective maintenance and inspection: Overspend mainly due to the high number and reinstate costs of stolen earths from distribution assets. The thefts were perpetrated by an organised crime group targeting copper theft for scrap value. We also had high unplanned corrective repair costs to the high voltage terminations of the Horotiu Zone

transformers and bus bars at Sandwich Road Substation.

- Asset replacement and renewal: Under spend mainly due to less costs incurred in ring main unit, air break switch and pillar refurbishments than expected.

- The target for system operations and network support included costs to dispose of assets. This is now classified as gains / (losses) on asset disposals. The target was also calculated with the understanding of the previous rules i.e. rates were included, but are now separately disclosed etc.

Information relating to revenue and quantities for the disclosure year

16. In the box below provide-

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

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

Box 13: Explanatory comment relating to revenue for the disclosure year
The variance between target revenue and total billed revenue for the year is -1.87%.

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 -1.87%. 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 91.15

The normalised result for SAIFI was 1.37.

The SAIDI outcome was impacted by two key events during the year:

1. A storm between the 24th and 25th September 2013 resulted in 11.04 SAIDI minutes. This storm despite being severe did not meet the regulatory criteria for a major event as the time lost it did not exceed the daily limits.

2. A further 2.61 minutes were incurred in relation to the cessation of live line work on 16mm copper conductor lines due to safety concerns. The change to planned outages instead of live line work will have on going impacts on SAIDI until the programme of renewal of the 16mm copper conductor is complete in several year times.

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
WEL Networks Limited does not pay insurance premiums for the electricity distribution network (the overhead lines and underground cables) but does have insurance in place for the electricity substation buildings and associated plant and equipment.

18.1: WEL takes prudent insurance cover for the critical 'point' assets within the network (being the substations) 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.

SCHEDULE 14A: MANDATORY EXPLANATORY NOTES ON FORECAST INFORMATION

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

1. This Schedule provides for EDBs to provide explanatory notes to reports prepared in accordance with clause 2.6.5.

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

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

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

Box 1: Commentary on difference between nominal and constant price capital expenditure forecasts

WEL has adopted the indexation methodology promoted by the Electricity Networks Association (ENA) and developed by its members. The methodology is based on information used in the Orion CPP determination and by Transpower's with an adjustment for labour cost inflation. The resultant indexation used has been further verified against WEL's actual cost experience. The values used for each class of expenditure are shown below.

Network CAPEX cost index = 3.6% p.a.

Non- network maintenance cost index = 1.8% 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 disclosure year, as disclosed in Schedule 11b.

Box 2: Commentary on difference between nominal and constant price operational expenditure forecasts

Network maintenance (operational) cost index = 3.6% p.a.

Non-network maintenance cost index = 3.5% p.a.

SCHEDULE 15: VOLUNTARY EXPLANATORY NOTES

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

1. This Schedule enable EDBs to provide, should they wish to-

    1.1 additional explanatory comment to reports prepared in accordance with clauses 2.3.1, 2.4.21, 2.4.22, 2.5.1, 2.5.2, and 2.6.5;

    1.2 information on any substantial changes to information disclosed in relation to a prior disclosure year, as a result of final wash-ups.

2. Information in this Schedule is not part of the audited disclosure information, and so is not subject to the assurance requirements specified in section 2.8.

3. Provide additional explanatory comment in the box below.

Box 1: Voluntary explanatory comment on disclosed information

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.

S9b.Asset Age Profile:

We have developed a new report to satisfy the information requirements. The information from the report supersedes last year's data as there were some inconsistent interpretations of the requirements in the manual data extraction process last year.

S9c.Overhead Lines:

- Circuits in sensitive areas (conservation areas, iwi territory etc) (km) has been reviewed and has consequently been reduced as we have redefined sensitive areas as:
    - Overhead lines from within 1 km of waterways of rivers to 50m of waterways including rivers, lakes and streams. The revised definition was a result of more sophisticated condition base risk management technique employed by WEL.
    - Iwi territory (unchanged)

- "Rugged area" has increased from last year's disclosed information due to peat areas being added.

- Length of circuit within 10km of coastline or geothermal areas (where known) has increased due to inclusion of assets within 10km of east coast (Coromandel)

Overhead circuit requiring vegetation management: Although there are only some parts of the network requiring tree trimming, we have an inspection programme to cover the entire network, since trees can grow up very quickly in the Waikato in areas where previously there were no trees or vegetation.

S8(iii)

- Last year did not disclose posted discount under Notional Revenue Forgone but was disclosed as part of the price component revenues separately.