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1 INTRODUCTION

This disclosure of information is submitted by Powerco Limited ("Powerco") pursuant to subpart 9 of Part 4 of the Commerce Act 1986 and in accordance with the Commerce Commission's Electricity Distribution Information Disclosure Determination 2012 ("IDD") and all its subsequent amendments including the 2015 information disclosure amendments.

Part 4 of the Commerce Act 1986 (the Act") provides a regulatory regime for electricity lines services and sets out the requirements of information disclosure regulation. The purpose of the information disclosure regulation is to ensure that sufficient information is readily available to enable interested persons to assess whether the purpose of Part 4 of the Act is being met. The purpose of Part 4 is to promote the long-term benefit of consumers by promoting outcomes that are consistent with those produced in competitive markets.

For the purpose of regulatory compliance, Powerco is a provider of "electricity lines services", as defined by section 52C of the Act, and is required to comply with the requirements of Part 4 of the Act.

The IDD requires disclosure of the following information for the 2015 disclosure year:

Schedule	Information provided
1	Analytical ratios
2	Return on investment
3	Regulatory profit
4	Regulatory asset base (rolled forward)
5a	Regulatory tax allowance
5b	Related party transactions
5c	Term credit spread differential
5d	Report on cost allocation
5e	Report on asset allocation
6a	Capital expenditure
6b	Operational expenditure
7	Actual capital and operation expenditure compared to forecast
8	Billed quantities and line charge revenues
9a	Asset register
9b	Asset age profile
9c	Overhead line and underground cable information
9d	Embedded networks
9e	Network demand
10	Network reliability

The IDD also requires that network and billed quantity information be provided for each sub-

network (i.e. each geographically separate part) of a supplier's network. Powerco has two sub-networks which it terms the Eastern Region and Western Region of the North Island. These regions are shown in Map 1.

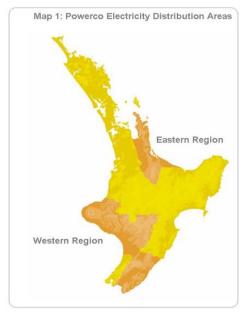
The following schedules are provided separately for Powerco Limited, Powerco's Western Network and Powerco's Eastern Network:

- Schedule 8 Billed Quantities and Line Charge Revenue
- Schedule 9a Asset Register
- Schedule 9b Asset Age Profile
- Schedule 9c Overhead Line and Underground Cable Information
- Schedule 9e Network Demand
- Schedule 10 Network Reliability

Schedules 14 and 15 provide mandatory and voluntary notes to accompany the schedules relating to the current disclosure year.

Directors' certification of the 2015 information disclosure is provided in section 23 at the end of this document.

Further information on Powerco's long term forecasts are included in our Asset Management Plan published on our website.



2 SCHEDULE 1: ANALYTICAL RATIOS

			Company Name		Powerco Limite	
			For Year Ended		31 March 201	5
te so	HEDULE 1: ANALYTICAL RATIOS schedule calculates expenditure, revenue and service ratios from the information rpreted with care. The Commerce Commission will publish a summary and analysis closed in accordance with this and other schedules, and information disclosed und information is part of audited disclosure information (as defined in section 1.4 of	s of information disc ler the other requiren	losed in accordance nents of the determin	with the ID determination.	ation. This will inclu	de information
ľ	1(i): Expenditure metrics					
	1(). Experiance 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	14,646	200	76,157	2,354	21,700
l	Network	6,440	88	33,485	1,035	9,54
	Non-network	8,206	112	42,672	1,319	12,15
l	Expenditure on assets	26,775	366	139,230	4,303	39,67
	Network	25,804	353	134,179	4,147	38,23
	Non-network	971	13	5,051	156	1,43
	1(ii): Revenue metrics	Revenue per GWh energy delivered	Revenue per			
		to ICPs (\$/GWh)	average no. of ICPs (\$/ICP)			
	Total consumer line charge revenue	82,093	1,122			
	Standard consumer line charge revenue	95,997	995			
	Non-standard consumer line charge revenue	38,618	134,810			
	1(iii): Service intensity measures					
	Demand density	31	Maximum coincide	nt system demand pe	er km of circuit length	(for supply) (kW/km)
	Volume density	161	Total energy delive	red to ICPs per km of	circuit length (for sup	ply) (MWh/km)
	Connection point density	12	,		t length (for supply) (
	Energy intensity	13,663	Total energy delive	red to ICPs per avera	ge number of ICPs (kV	Vh/ICP)
	1(iv): Composition of regulatory income		(\$000)	% of revenue		
	Operational expenditure		65,510	18.26%		
	Pass-through and recoverable costs excluding financial incentive	es and wash-ups	119,926	33.43%		
	Total depreciation		57,918	16.14%		
	Total revaluations		1,198	0.33%		
ĺ	Regulatory tax allowance		25,887	7.22%		
ĺ	Regulatory profit/(loss) including financial incentives and wash Total regulatory income	-ups	90,731 358,774	25.29%		
1			222,771			
)	1(v): Reliability					

3 SCHEDULE 2: RETURN ON INVESTMENT

	Company	/ Name	P	owerco Limited	
	For Year	r Ended		31 March 2015	
Cŀ	HEDULE 2: REPORT ON RETURN ON INVESTMENT				
s s	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 i	must calculate the
	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 e				
i).					
	s must provide explanatory comment on their ROI in Schedule 14 (Mandatory Explanatory Notes). information is part of audited disclosure information (as defined in section 1.4 of the ID determination), and so is su	ihiect to the	assurance report re	nuired by section 2.8	
		ibject to the	assurance report re	quired by section 2.0.	
ef					
7	2(i): Return on Investment		CY-2	CY-1	Current Year CY
3			31 Mar 13	31 Mar 14	31 Mar 15
9			%	%	%
,	Reflecting all revenue earned		6.21%	6.87%	5.64
ı			6.21%	6.87%	5.64
2			6.21%	6.87%	5.64
3					
1	Mid-point estimate of post tax WACC		5.85%	5.43%	6.10
5	25th percentile estimate		5.13%	4.71%	5.39
,	75th percentile estimate		6.56%	6.14%	6.82
7					
3					
9	•	_			
)			6.99%	7.55%	6.43
1			6.99%	7.55%	6.43
2		L	6.99%	7.55%	6.43
3			0.770/	0.770/	0.77
4			8.77%	8.77%	8.77
5			6.62%	6.11%	6.89
6			5.91%	5.39%	6.17
8	25th percentile estimate		7.34%	6.83%	7.60
9		<u> </u>	7.34%	0.03%	7.60
			•		
o	2(ii): Information Supporting the ROI			(\$000)	
1					
2	Total opening RAB value		1,439,789		
	Total opening trab varue		(31,590)		
3					
	plus Opening deferred tax	L		1,408,199	
4 5	plus Opening deferred tax Opening RIV	L			
4 5 6	plus Opening deferred tax Opening RIV Line charge revenue	L		1,408,199 367,197	
4 5 6 7	plus Opening deferred tax Opening RIV Line charge revenue				
4 5 7 8	plus Opening deferred tax Opening RIV Line charge revenue Expenses cash outflow	F	185,436		
4 5 6 7 8	plus Opening deferred tax Opening RIV Line charge revenue Expenses cash outflow add Assets commissioned	E	185,436 102,247		
4 5 6 7 8 9	plus Opening deferred tax Opening RIV Line charge revenue Expenses cash outflow add Assets commissioned less Asset disposals	E	185,436 102,247 8,941		
33 44 15 16 17 18 19 10 11	plus Opening deferred tax Opening RIV Line charge revenue Expenses cash outflow add Assets commissioned less Asset disposals add Tax payments		185,436 102,247 8,941 17,479		
4 5 6 7 8 9 0 1 2	plus Opening deferred tax Opening RIV Line charge revenue Expenses cash outflow add Assets commissioned less Asset disposals add Tax payments less Other regulated income		185,436 102,247 8,941	367,197	
4 5 6 7 8 9 0 1 2	plus Opening deferred tax Opening RIV Line charge revenue Expenses cash outflow add Assets commissioned less Asset disposals add Tax payments less Other regulated income Mid-year net cash outflows		185,436 102,247 8,941 17,479		
4 5 6 7 8 9 0 1 2 3 4	plus Opening deferred tax Opening RIV Line charge revenue Expenses cash outflow add Assets commissioned less Asset disposals add Tax payments less Other regulated income Mid-year net cash outflows		185,436 102,247 8,941 17,479	367,197	
4 5 6 7 8 9 0 1 2 3 4 5	plus Opening deferred tax Opening RIV Line charge revenue Expenses cash outflow add Assets commissioned less Asset disposals add Tax payments less Other regulated income Mid-year net cash outflows Term credit spread differential allowance	[- -	185,436 102,247 8,941 17,479	367,197	
4 5 6 7 8 9 0 1 2 3 4 5 6	plus Opening deferred tax Opening RIV Line charge revenue Expenses cash outflow add Assets commissioned less Asset disposals add Tax payments less Other regulated income Mid-year net cash outflows Term credit spread differential allowance		185,436 102,247 8,941 17,479 (8,423)	367,197	
4 5 6 7 8 9 0 1 2 3 4 5 6 7	plus Opening deferred tax Opening RIV Line charge revenue Expenses cash outflow add Assets commissioned less Asset disposals add Tax payments less Other regulated income Mid-year net cash outflows Term credit spread differential allowance Total closing RAB value		185,436 102,247 8,941 17,479	367,197	
4 5 7 8 9 9 1 1 2 3 4 5 7 8	plus Opening deferred tax Opening RIV Line charge revenue Expenses cash outflow add Assets commissioned less Asset disposals add Tax payments less Other regulated income Mid-year net cash outflows Term credit spread differential allowance Total closing RAB value less Adjustment resulting from asset allocation		185,436 102,247 8,941 17,479 (8,423)	367,197	
1 5 7 3 9 9 1 1 2 3 1 7 3 9	plus Opening deferred tax Opening RIV Line charge revenue Expenses cash outflow add Assets commissioned less Asset disposals add Tax payments less Other regulated income Mid-year net cash outflows Term credit spread differential allowance Ioss Adjustment resulting from asset allocation less Lost and found assets adjustment		185,436 102,247 8,941 17,479 (8,423) 1,476,717 342	367,197	
1 5 7 8 9 9 1 1 2 8 9 9 9 9 9 9 9	plus Opening deferred tax Opening RIV Line charge revenue Expenses cash outflow add Assets commissioned less Asset disposals add Tax payments less Other regulated income Mid-year net cash outflows Term credit spread differential allowance Total closing RAB value less Adjustment resulting from asset allocation less Lost and found assets adjustment plus Closing deferred tax		185,436 102,247 8,941 17,479 (8,423) 1,476,717 342	367,197	
4 5 6 7 8 9 0 1 2 3 4 5 6 7 8 9 0 1	plus Opening deferred tax Opening RIV Line charge revenue Expenses cash outflow add Assets commissioned less Asset disposals add Tax payments less Other regulated income Mid-year net cash outflows Term credit spread differential allowance Total closing RAB value less Adjustment resulting from asset allocation less Lost and found assets adjustment plus Closing deferred tax Closing RIV		185,436 102,247 8,941 17,479 (8,423) 1,476,717 342	367,197 304,644	
4 5 6 7 8 9 0 1 2 3 4 5 6 7 8 9 0 1 2 0 1 2 0 1 2	plus Opening deferred tax Opening RIV Line charge revenue Expenses cash outflow add Assets commissioned less Asset disposals add Tax payments less Other regulated income Mid-year net cash outflows Term credit spread differential allowance Total closing RAB value less Adjustment resulting from asset allocation less Lost and found assets adjustment plus Closing deferred tax Closing RIV		185,436 102,247 8,941 17,479 (8,423) 1,476,717 342	367,197 304,644	6.43
4 5 6 7 8 9 0 1 2 3 4	plus Opening deferred tax Opening RIV Line charge revenue Expenses cash outflow add Assets commissioned less Asset disposals add Tax payments less Other regulated income Mid-year net cash outflows Term credit spread differential allowance Total closing RAB value less Adjustment resulting from asset allocation less Lost and found assets adjustment plus Closing RIV ROI – comparable to a vanilla WACC		185,436 102,247 8,941 17,479 (8,423) 1,476,717 342	367,197 304,644	6.43
4 5 6 7 8 9 0 1 2 3 4 5 6 7 8 9 0 1 2 3	plus Opening deferred tax Opening RIV Line charge revenue Expenses cash outflow add Assets commissioned less Asset disposals add Tax payments less Other regulated income Mid-year net cash outflows Term credit spread differential allowance Total closing RAB value less Adjustment resulting from asset allocation less Lost and found assets adjustment plus Closing deferred tax Closing RIV ROI – comparable to a vanilla WACC		185,436 102,247 8,941 17,479 (8,423) 1,476,717 342	367,197 304,644	
4 5 5 7 8 9 0 1 2 3 4 5 6 7 8 9 0 1 2 3 4 5	plus Opening deferred tax Opening RIV Line charge revenue Expenses cash outflow add Assets commissioned less Asset disposals add Tax payments less Other regulated income Mid-year net cash outflows Term credit spread differential allowance Total closing RAB value less Adjustment resulting from asset allocation less Lost and found assets adjustment plus Closing deferred tax Closing RIV ROI – comparable to a vanilla WACC Leverage (%)		185,436 102,247 8,941 17,479 (8,423) 1,476,717 342	367,197 304,644	44
4 5 6 7 8 9 0 1 2 3 4 5 6 7 8 9 0 1 2 3 4 4 4 4 4 4 4 4 4 4 4 4 4 4 4 4 4 4	plus Opening deferred tax Opening RIV Line charge revenue Expenses cash outflow add Assets commissioned less Asset disposals add Tax payments less Other regulated income Mid-year net cash outflows Term credit spread differential allowance Total closing RAB value less Adjustment resulting from asset allocation less Lost and found assets adjustment plus Closing deferred tax Closing RIV ROI – comparable to a vanilla WACC Leverage (%) Cost of debt assumption (%)		185,436 102,247 8,941 17,479 (8,423) 1,476,717 342	367,197 304,644	44 6.36
4 5 6 7 8 9 0 1 2 3 4 5 6 7 8 9 0 1 2 3 4 5 6	plus Opening deferred tax Opening RIV Line charge revenue Expenses cash outflow add Assets commissioned less Asset disposals add Tax payments less Other regulated income Mid-year net cash outflows Term credit spread differential allowance Total closing RAB value less Adjustment resulting from asset allocation less Lost and found assets adjustment plus Closing deferred tax Closing RIV ROI – comparable to a vanilla WACC Leverage (%) Cost of debt assumption (%) Corporate tax rate (%)		185,436 102,247 8,941 17,479 (8,423) 1,476,717 342	367,197 304,644	44 6.36
44 4 4 4 4 4 4 4 4 4 4 4 4 4 4 4 4 4 4	plus Opening deferred tax Opening RIV Line charge revenue Expenses cash outflow add Assets commissioned less Asset disposals add Tax payments less Other regulated income Mid-year net cash outflows Term credit spread differential allowance Total closing RAB value less Adjustment resulting from asset allocation less Lost and found assets adjustment plus Closing deferred tax Closing RIV ROI – comparable to a vanilla WACC Leverage (%) Cost of debt assumption (%) Corporate tax rate (%)		185,436 102,247 8,941 17,479 (8,423) 1,476,717 342	367,197 304,644	6.43° 44° 6.36° 28°

61	2(iii): Information Supporting t	the Monthly ROI					
62		•					
63	Opening RIV						N/A
64							
65		Lina charga rayonya	Evnancas cash	Assets	Asset	Other regulated	Monthly net cash
66		Line charge revenue	Expenses cash outflow	commissioned	disposals	Other regulated income	outflows
67	April				•		-
68	May						-
69	June						-
70	July						-
71	August						-
72	September						-
73	October						-
74	November						-
75 76	December						-
77	January February						_
78	March						_
79	Total	_	_	-	_	-	-
80			<u> </u>			1	
81	Tax payments						N/A
82							
83	Term credit spread differential all	lowance					N/A
84							
85	Closing RIV						N/A
86							
87							
88	Monthly ROI – comparable to a vanil	la WACC					N/A
89							
90	Monthly ROI – comparable to a post	tax WACC					N/A
91 92	2(iv): Year-End ROI Rates for C	omnaricon Durnocas					
93	Z(IV). Teal-Life NOT Nates for C	ompansom rui poses					
94	Year-end ROI – comparable to a vani	lla WACC					6.22%
95							
96	Year-end ROI – comparable to a post	tax WACC					5.43%
97							
98	* these year-end ROI values are comp	arable to the ROI reported in pre	2012 disclosures by EDB	and do not represent to	he Commission's cui	rrent view on ROI.	
99							
100	2(v): Financial Incentives and V	Wash-Ups					
101							,
102	Net recoverable costs allowed un		e scheme			_	
103	Purchased assets – avoided trans						-
104	Energy efficiency and demand inc	entive allowance					
105 106	Quality incentive adjustment Other financial incentives						-
106	Financial incentives						_
108	That out meditives						
109	Impact of financial incentives on ROI						-
110							
111	Input methodology claw-back						
112	Recoverable customised price-qu	ality path costs					
113	Catastrophic event allowance						
114	Capex wash-up adjustment						
115	Transmission asset wash-up adju	ustment					
116	2013–2015 NPV wash-up allowar	nce					
117	Reconsideration event allowance	!					
118	Other wash-ups						
119	Wash-up costs						-
120							
121	Impact of wash-up costs on ROI						-
121	inipact of wasti-up costs off ROI						

A monthly ROI must only be calculated if during the first three months or last three months of the 2015 disclosure year, the value of assets commissioned by Powerco had exceeded 10% of the total opening regulatory asset base values. This criteria is not met and Powerco has elected to report the ROI for the full disclosure year only.

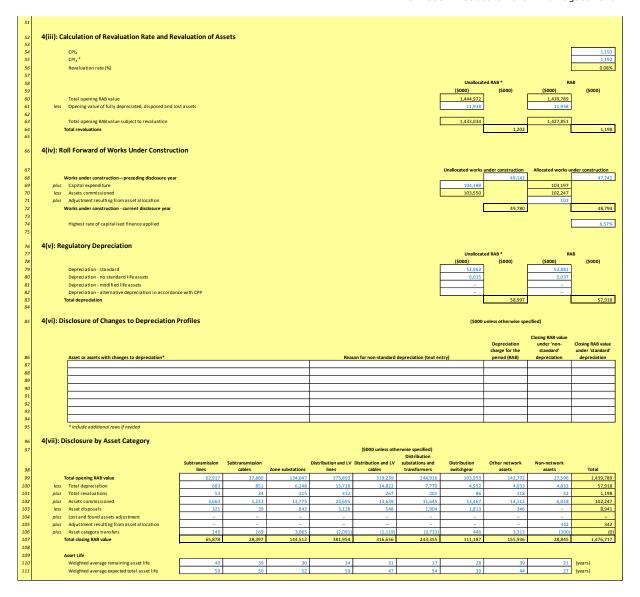
4 SCHEDULE 3: REGULATORY PROFIT

	Company Name	Powerco Limited
	For Year Ended	31 March 2015
SCI	HEDULE 3: REPORT ON REGULATORY PROFIT	
	schedule requires information on the calculation of regulatory profit for the EDB for the disclosure year. All EDBs must complete all sections and	d provide explanatory comment on their
	latory profit in Schedule 14 (Mandatory Explanatory Notes).	, , , , , , , , , , , , , , , , , , , ,
This	information is part of audited disclosure information (as defined in section 1.4 of the ID determination), and so is subject to the assurance repo	rt required by section 2.8.
h ref	f	
7	3(i): Regulatory Profit	(\$000)
8	Income	<u></u>
9	Line charge revenue	367,197
10	plus Gains / (losses) on asset disposals	(8,808)
11	plus Other regulated income (other than gains / (losses) on asset disposals)	385
12		
13	Total regulatory income	358,774
14	Expenses	
15	less Operational expenditure	65,510
16		
17	less Pass-through and recoverable costs excluding financial incentives and wash-ups	119,926
18		
19	Operating surplus / (deficit)	173,338
20		
21	less Total depreciation	57,918
22		
23	plus Total revaluations	1,198
24		
25	Regulatory profit / (loss) before tax	116,618
26		
27	less Term credit spread differential allowance	
28 29	less Regulatory tax allowance	25,887
29 30	less Regulatory tax allowance	25,887
31	Regulatory profit/(loss) including financial incentives and wash-ups	90,731
32	reparer i broud loos) urannille unanem meerities and masil.ahs	30,731
	2/ii). Dass through and Bassyarahla Costs evaluding Financial Insentings and Week Une	(\$000)
33	3(ii): Pass-through and Recoverable Costs excluding Financial Incentives and Wash-Ups	(3000)
34 35	Pass through costs Rates	1,254
36	Commerce Act levies	864
37	Industry levies	1,117
38	CPP specified pass through costs	
39	Recoverable costs excluding financial incentives and wash-ups	
40	Electricity lines service charge payable to Transpower	93.996
41	Transpower new investment contract charges	6,553
42	System operator services	-
43	Distributed generation allowance	9,836
44	Extended reserves allowance	_
45	Other recoverable costs excluding financial incentives and wash-ups	6,305
46	Pass-through and recoverable costs excluding financial incentives and wash-ups	119,926
47		113,320

48	3(iii): Increme	ntal Rolling Incentive Sche	me	(\$0	00)
49				CY-1	CY
50				31 Mar 14	31 Mar 15
51		trollable opex			
52	Actual cont	ollable opex			
53					
54	Incrementa	change in year			
55 56				Previous years' incremental change	Previous years' incremental change adjusted for inflation
57	CY-5	31 Mar 10			
58	CY-4	31 Mar 11			
59	CY-3	31 Mar 12			
60	CY-2	31 Mar 13			
61	CY-1	31 Mar 14			
62	Net incremen	tal rolling incentive scheme			-
63					
64	Net recovera	ole costs allowed under incremental rolling	g incentive scheme		-
65	3(iv): Merger ar	d Acquisition Expenditure			
70					(\$000)
66	Merger and	acquisition expenditure			
67					
68		mentary on the benefits of merger and acq 14 (Mandatory Explanatory Notes)	uisition expenditure to the electricity distribution business, including required d	isclosures in accordan	ce with section 2.7,
69	3(v): Other Disc	osures			
70	-				(\$000)
71	Self-insura	ce allowance			

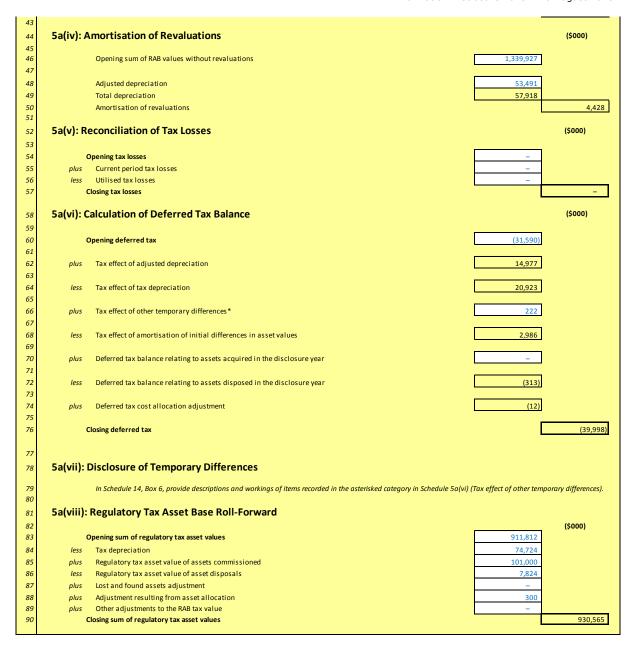
5 SCHEDULE 4: VALUE OF REGULATORY ASSET BASE

				Company Name For Year Ended		owerco Limited 31 March 2015	
s s Bs	HEDULE 4: REPORT ON VALUE OF THE REGULATORY ASSET BASE (ROLLED F- chedule requires information on the calculation of the Regulatory Asset Base (RAB) value to the end of this disclosure must provide explanatory comment on the value of their RAB in Schedule 14 (Mandatory Explanatory Notes). This infor no 2.8.	year. This informs the ROI calculation in Schedule 2.	defined in section 1.4	of the ID determination	on), and so is subject	to the assurance rep	ort required by
7 8 9	4(i): Regulatory Asset Base Value (Rolled Forward) Total Opening RAB value	for year ended	RAB 31 Mar 11 (\$000) 1,301,790	RAB 31 Mar 12 (\$000) 1,341,797	RAB 31 Mar 13 (\$000) 1,362,264	RAB 31 Mar 14 (\$000) 1,385,118	RAB 31 Mar 15 (\$000)
1 2	less Total depredation		54,642	57,706	58,272	59,857	57,91
3 4 5	plus Total revaluations		31,289	20,912	11,627	21,063	1,19
6 7	plus Assets commissioned		69,224	66,670	77,635	101,470	102,24
9	less Asset disposals plus Lost and found assets adjustment		5,890	9,497	8,111	8,275	8,94
۱	plus Adjustment resulting from asset allocation		26	88	(25)	270	34
	Total closing RAB value		1,341,797	1,362,264	1,385,118	1,439,789	1,476,7
,	4(ii): Unallocated Regulatory Asset Base			Unallocated	I RAR *	RAB	
	Total opening RAB value			(\$000)	(\$000) 1,444,972	(\$000)	(\$000) 1,439,7
1	less Total depredation plus				58,997		57,9
	Total revaluations plus		-		1,202		1,19
	Assets commissioned (other than below) Assets acquired from a regulated supplier Assets acquired from a related party		Ė	103,358 - 192		102,055 - 192	
	Assets commissioned less		г	8.941	103,550	8.941	102,24
ч	Asset disposals (other than below) Asset disposals to a regulated supplier Asset disposals to a related party		E	8,941 - -		8,941 - -	
2				L	8,941	L	8,94
	Asset disposals						_
:	Asset disposals plus Lost and found assets adjustment plus Adjustment resulting from asset allocation			L	_		3
	$plus\ \ \ \ \ \ \ \ \ \ \ \ \ \ \ \ \ \ \ $				1,481,786		



6 SCHEDULE 5A: REGULATORY TAX ALLOWANCE

			Company Name	Powerco Limited
			For Year Ended	31 March 2015
CCI	IEDIUE E	PEROPE ON PECULATORY TAY ALLOW/ANCE	roi feui Elided	31 Walti 2013
		a: REPORT ON REGULATORY TAX ALLOWANCE es information on the calculation of the regulatory tax allowance. This information is us	od to calculate regulatory	profit/loss in Schodulo 2 (regulatory profit)
		es information on the carculation of the regulatory tax arrowance. This information is us xplanatory commentary on the information disclosed in this schedule, in Schedule 14 (M		
This i	nformation is p	part of audited disclosure information (as defined in section 1.4 of the ID determination),	and so is subject to the as	surance report required by section 2.8.
sch ref				
7	Ea/i\∙ P¢	egulatory Tax Allowance		(\$000)
8		Regulatory profit / (loss) before tax		116,618
9		regulatory profit / (1033) before tax		110,018
10	plus	Income not included in regulatory profit / (loss) before tax but taxable		- *
11		Expenditure or loss in regulatory profit / (loss) before tax but not deductible		151 *
12		Amortisation of initial differences in asset values		10,664
13		Amortisation of revaluations		4,428
14				15,243
15				
16	less	Total revaluations		1,198
17		Income included in regulatory profit / (loss) before tax but not taxable		- *
18		Discretionary discounts and customer rebates		_ *
19 20		Expenditure or loss deductible but not in regulatory profit / (loss) before tax		38,211
21		Notional deductible interest		39,409
22				55,405
23		Regulatory taxable income		92,452
24				
25	less	Utilised tax losses		_
26		Regulatory net taxable income		92,452
27				
28		Corporate tax rate (%)		28%
29	,	Regulatory tax allowance		25,887
30 31	* Workir	gs to be provided in Schedule 14		
	- 4			
32	5a(ii): D	isclosure of Permanent Differences		
33		In Schedule 14, Box 5, provide descriptions and workings of items recorded in the aste	risked categories in Schedu	ıle 5a(i).
34	5a(iii): A	mortisation of Initial Difference in Asset Values		(\$000)
35				
36		Opening unamortised initial differences in asset values		298,598
37	less	Amortisation of initial differences in asset values		10,664
38	plus	Adjustment for unamortised initial differences in assets acquired		_
39	less	Adjustment for unamortised initial differences in assets disposed		2,561
40		Closing unamortised initial differences in asset values		285,373
41		Opening unjobted guarage remaining useful life of relevant coasts (1999)		20
42		Opening weighted average remaining useful life of relevant assets (years)		28



7 SCHEDULE 5B: RELATED PARTY TRANSACTIONS

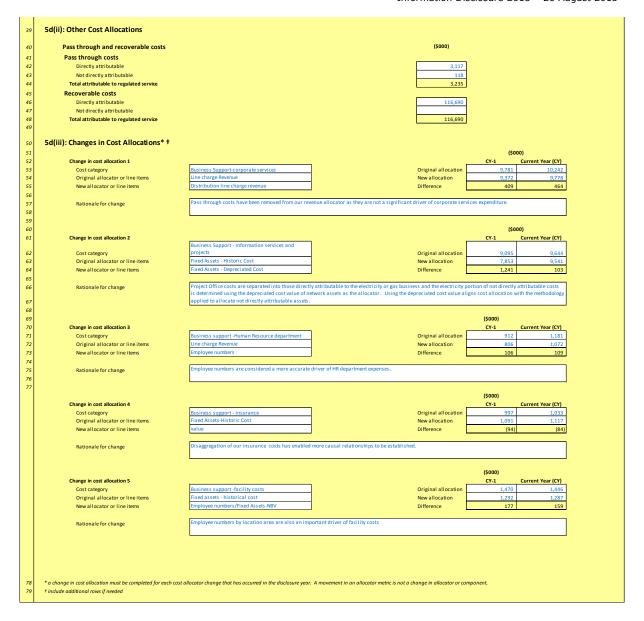
							_
				Company Name		Powerco Limited	
				For Year Ended		31 March 2015	
_		b: REPORT ON RELATED PARTY					
				ordance with section 2.3.6 and 2.3.7 of the ID determinat te ID determination), and so is subject to the assurance re		tion 3.9	
"	ins miormation is	part or address discressive information (as define	u iii seciion 1.4 of th	ie ib determination), and so is subject to the assurance re	port required by se	LUUII 2.0.	
sch	ref						
7		mmary—Related Party Transaction	is	(\$000)			
8		Total regulatory income Operational expenditure			<u>- </u>		
10		Capital expenditure					
11		Market value of asset disposals			_		
12		Other related party transactions			192		
	=1 (**) =						
13		tities Involved in Related Party Tra	ansactions				
14		Name of related party			ted party relations	hip	
15		Powerline Limited (trading as Basepower)		Wholly owned subsidiary of Powerco Limited			
16							
18							
19							
20)	* include additional rows if needed					
20		* include additional rows if needed elated Party Transactions					
			Related party		Value of		
	5b(iii): R		Related party transaction type	Description of transaction	Value of transaction (\$000)	Basis for determining value	
22 23	5b(iii): R	elated Party Transactions		Description of transaction Supplies remote area power and storage units	transaction	Basis for determining value IM clause 2.2.11(5)(a)(i)	
21 22 23 24	5b(iii): R	elated Party Transactions Name of related party	transaction type	•	transaction (\$000)		
22 23 24 25	5b(iii): R	elated Party Transactions Name of related party	transaction type	•	transaction (\$000)		
22 23 24 25 26	5b(iii): R	elated Party Transactions Name of related party	transaction type	•	transaction (\$000)		
22 23 24 25	5b(iii): R	elated Party Transactions Name of related party	transaction type	•	transaction (\$000)		
22 23 24 25 26 27	5b(iii): R	elated Party Transactions Name of related party	transaction type	•	transaction (\$000)		
22 23 24 25 26 27 28	5b(iii): R	elated Party Transactions Name of related party	transaction type	•	transaction (\$000)		
222 233 244 255 266 277 288 299 300 311	5b(iii): R	elated Party Transactions Name of related party	transaction type	•	transaction (\$000)		
212 23 24 25 26 27 28 29 30 31 32	5b(iii): R	elated Party Transactions Name of related party	transaction type	•	transaction (\$000)		
222 233 244 255 266 277 288 299 300 311 322 333	5b(iii): R	elated Party Transactions Name of related party	transaction type	•	transaction (\$000)		
222 23 244 25 26 27 28 29 30 31 32 33 34	5b(iii): R	elated Party Transactions Name of related party	transaction type	•	transaction (\$000)		
222 233 244 255 266 277 288 299 300 311 322 333	5b(iii): R	elated Party Transactions Name of related party	transaction type	•	transaction (\$000)		
222 233 244 255 266 277 288 299 300 311 322 333 344 359	5b(iii): R	elated Party Transactions Name of related party	transaction type	•	transaction (\$000)		
222 23 24 25 26 27 28 29 30 31 32 33 34 35 36	5b(iii): R	elated Party Transactions Name of related party	transaction type	•	transaction (\$000)		

8 SCHEDULE 5C: TERM CREDIT SPREAD DIFFERENTIAL

							Company Name	ı	Powerco Limited	
							For Year Ended		31 March 2015	
	CHERLINE E - DERORT ON TERM CREDIT CRREAD RIFERRANT		`_					<u> </u>		
	CHEDULE 5c: REPORT ON TERM CREDIT SPREAD DIFFERENT		_							
	s schedule is only to be completed if, as at the date of the most recently published financial s s information is part of audited disclosure information (as defined in section 1.4 of the ID det	· -				t and non-qualifying debt) is	greater than five ye	ars.		
11115	, mormation is part of addited disclosure information (as defined in section 1.4 of the 1D de	termination, and so is s	oubject to the assurar	ice report required	by section 2.6.					
ch re	f									
7										
8	5c(i): Qualifying Debt (may be Commission only)									
9										
							Book value at date		Cost of executing	
				Original tenor (in		Book value at issue date	of financial	Term Credit Spread	an interest rate	Debt issue cost
10	Issuing party	Issue date	Pricing date	years)	Coupon rate (%)	(NZD)	statements (NZD)	Difference	swap	readjustment
11	2004 Guaranteed Bonds - 3	29/3/2004	25/3/2004	11.3	6.53%	50,000,000	50,364,674	75,000	7,933	(97,222)
	2005 Guaranteed Bonds - 2	28/9/2005	26/9/2005	12.0	6.74%	50,000,000	49,722,717	75,000	9,561	(102,083)
	USPP (2003) US\$56m/NZ\$94.2m	25/11/2003	24/9/2003	11.0	BKBM+0.89%	94,165,125	_	141,248	_	(179,770)
	USPP (2003) US\$54m/NZ\$90.8m	25/11/2003	24/9/2003	12.0	BKBM+0.88%	90,802,085	74,516,854	136,203	_	(185,388)
	USPP (2003) US\$65m/NZ\$109.3m	25/11/2003	24/9/2003	13.0	BKBM+0.88%	109,298,806	92,540,201	163,948	_	(235,413)
	USPP (2011) US\$72m/NZ\$91.4m	7/6/2011	7/6/2011	9.0	BKBM+1.945%	91,370,558	102,831,758	147,655	_	(142,132)
	USPP (2011) US\$90m/NZ\$114.2m	7/6/2011	7/6/2011	12.0	BKBM+1.835%	114,213,198	131,288,315	171,320	_	(233,185)
12	USPP (2011) US\$83m/NZ\$105.3m	7/6/2011	7/6/2011	15.0	BKBM+1.980%	105,329,949	122,694,961	157,995	_	(245,770)
	2011 Wholesale Bond - Fixed rate	20/12/2011	20/12/2011	7.0	6.31%	65,000,000	65,997,651	97,500	13,187	(65,000)
	2011 Wholesale Bond - Floating rate	20/12/2011	20/12/2011	7.0	BKBM + 2.60%	35,000,000	34,990,762	52,500	6,992	(35,000)
13	USPP(2013) US\$25m/NZ\$30.4m	23/1/2013	1/11/2012	12.0	BKBM + 2.20%	30,439,547	32,850,322	45,659	_	(62,147)
14	USPP(2013) US\$80m/NZ\$97.4m	23/1/2013	1/11/2012	15.0	BKBM + 2.21%	97,406,551	103,139,414	146,110	_	(227,282)
15	NZD USPP(2014) NZ\$135m	15/10/2014	3/7/2014	12.5	6.62%	135,000,000	135,717,298	202,500	20,358	(283,500)
16	* include additional rows if needed						996,654,928	1,612,638	58,031	(2,093,892)
17	Estable Australia and Estable Control Differential									
18	5c(ii): Attribution of Term Credit Spread Differential									
19			F							
20	Gross term credit spread differential		L	(423,224)						
21		F								
22	Total book value of interest bearing debt		1,183,604							
23	Leverage		44%							
24	Average opening and closing RAB values	L	1,458,253							
25	Attribution Rate (%)		L	54%						
26	Town on the second differential allows		Г							
27	Term credit spread differential allowance		L	_						

9 SCHEDULE 5D: COST ALLOCATIONS

			Company Name		Powerco Limite	d
			For Year Ended		31 March 2015	
his s	HEDULE 5d: REPORT ON COST ALLOCATIONS schedule provides information on the allocation of operational costs. EBs must provide explanatory comment on their c information is part of audited disclosure information (as defined in section 1.4 of the ID determination), and so is subject			including on the impa	ct of any reclassifica	tions.
ref						
7	5d(i): Operating Cost Allocations					
8			Value alloca	ated (\$000s)		
9		Arm's length deduction	Electricity distribution services	Non-electricity distribution services	Total	OVABAA allocation increase (\$000s)
0	Service interruptions and emergencies					
1	Directly attributable		7,006			
2	Not directly attributable				-	
3	Total attributable to regulated service		7,006			
1	Vegetation management			_		
,	Directly attributable		5,009			
6	Not directly attributable				-	
7	Total attributable to regulated service		5,009			
8	Routine and corrective maintenance and inspection					
9	Directly attributable		8,885			
0	Not directly attributable				-	
1	Total attributable to regulated service		8,885			
2	Asset replacement and renewal			_		
3	Directly attributable		7,904			
4	Not directly attributable				-	
5	Total attributable to regulated service		7,904			
6	System operations and network support			_		
7	Directly attributable		9,122			
8	Not directly attributable		719	164	883	
9	Total attributable to regulated service		9,840			
0	Business support					
1	Directly attributable		3,704			
2	Not directly attributable		23,162	5,067	28,228	
3	Total attributable to regulated service		26,866			
5	Operating costs directly attributable		41,630			
5	Operating costs not directly attributable	-	23,881	5,231	29,111	-
7	Operational expenditure		65,510			

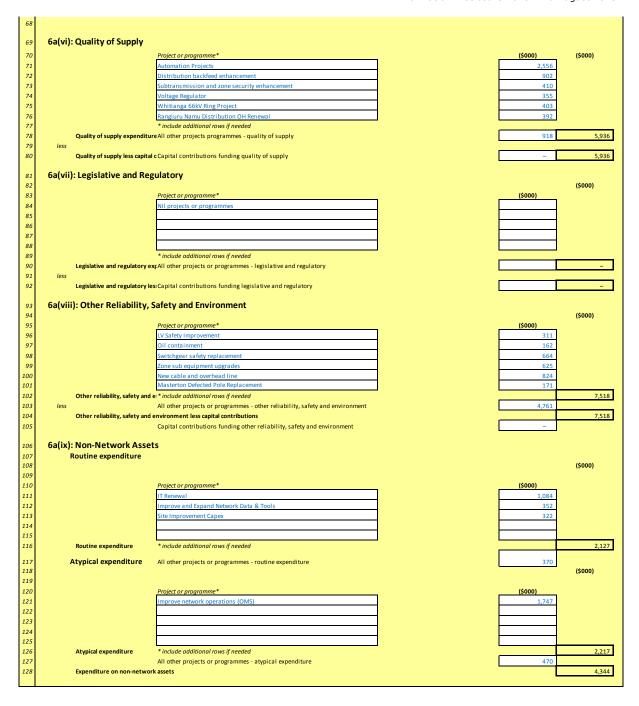


10 SCHEDULE 5E: ASSET ALLOCATIONS

		Company Name	Powerco Limited
		For Year Ended	31 March 2015
	HEDULE 5e: REPORT ON ASSET ALLOCATIO		
EDB:	s must provide explanatory comment on their cost allocation in Sc	his information supports the calculation of the RAB value in Schedule 4. hedule 14 (Mandatory Explanatory Notes), including on the impact of any chang	ges in asset allocations. This information is part of audited disclosure
info	rmation (as defined in section 1.4 of the ID determination), and so	is subject to the assurance report required by section 2.8.	
sch re	f		
7	Entil: Pagulated Santice Asset Values		
7	5e(i): Regulated Service Asset Values		
8			Value allocated (\$000s)
9			Electricity distribution services
10	Subtransmission lines		services
11	Directly attributable		65,878
12	Not directly attributable		-
13	Total attributable to regulated service Subtransmission cables		65,878
15	Directly attributable		28,397
16	Not directly attributable		-
17 18	Total attributable to regulated service Zone substations		28,397
19	Directly attributable		144,512
20	Not directly attributable		_
21	Total attributable to regulated service		144,512
22 23	Distribution and LV lines Directly attributable		381,954
24	Not directly attributable		_
25	Total attributable to regulated service		381,954
26 27	Distribution and LV cables Directly attributable		316.656
28	Not directly attributable		-
29	Total attributable to regulated service		316,656
30	Distribution substations and transformers Directly attributable		242.255
31 32	Not directly attributable		243,355
33	Total attributable to regulated service		243,355
34	Distribution switchgear		
35 36	Directly attributable Not directly attributable		111,187
37	Total attributable to regulated service		111,187
38	Other network assets		
39 40	Directly attributable Not directly attributable		155,936
41	Total attributable to regulated service		155,936
42	Non-network assets		
43 44	Directly attributable Not directly attributable		6,723 22,120
45	Total attributable to regulated service		28,843
46			1,454,598
47 48	Regulated service asset value directly attributable Regulated service asset value not directly attributable		22,120
49	Total closing RAB value		1,476,717
50			
51	5e(ii): Changes in Asset Allocations* †		
52	Channella annahani ili ili ili		(\$000)
53 54	Change in asset value allocation 1 Asset category		CY-1 Current Year (CY) Original allocation
55	Original allocator or line items		New allocation
56 57	New allocator or line items		Difference – –
58	Rationale for change		
59			
60 61			(\$000)
62	Change in asset value allocation 2		CY-1 Current Year (CY)
63 64	Asset category Original allocator or line items		Original allocation New allocation
65	New allocator or line items		Difference – –
66	0.00		
67 68	Rationale for change		
69			
70 71	Change in asset value allocation 2		(\$000) CY-1 Current Year (CY)
72	Change in asset value allocation 3 Asset category		Original allocation CY-1 Current Year (CY)
73	Original allocator or line items		New allocation
74 75	New allocator or line items		Difference – –
76	Rationale for change		
77 78			
78 79	* a change in asset allocation must be completed for each alloca	tor or component change that has occurred in the disclosure year. A movement in	an allocator metric is not a change in allocator or component.
80	† include additional rows if needed		

11 SCHEDULE 6A: CAPITAL EXPENDITURE

			C 1:	Davis visit to t
			Company Name	Powerco Limited 31 March 2015
CUEN	NIII E 63: DEDORT ON C	APITAL EXPENDITURE FOR THE DISCLOSURE YEAR	For Year Ended	31 Wal Cil 2013
nis sched ested ass OBs must	dule requires a breakdown of capit sets. Information on expenditure or t provide explanatory comment on	APPLIAL EXPERIENTIONE FOR THE DISCLUSIVE YEARS a expenditure on assets incurred in the disclosure year, including any assets in respect assets must be provided on an accounting accruals basis and must exclude finance con their expenditure on assets in Schedule 14 (Explanatory Notes to Templates). e information (as defined in section 1.4 of the ID determination), and so is subject to the	osts.	
ref				
7 6	ia(i): Expenditure on Ass	ets		(\$000) (\$000)
8	Consumer connection			26,17
9	System growth			27,51
	Asset replacement and rer Asset relocations	newal		45,95
	Reliability, safety and env	ironment:		2,32
3	,,,,	Quality of supply		5,936
1		Legislative and regulatory		
	Tatal valiability, safaty, and	Other reliability, safety and environment		7,518
,	Total reliability, safety and Expenditure on network ass			115,42
:	Expenditure on non-netwo			4,34
	Expenditure on assets plus Cost of financing			119,76 1,24
	less Value of capital contribut	ions		17,81
:	plus Value of vested assets			-
!	Comitted and a state of			
	Capital expenditure			103,19
6	ia(ii): Subcomponents of	Expenditure on Assets (where known)		(\$000)
		Energy efficiency and demand side management, reduction of energy losses		52
		Overhead to underground conversion		17
		Research and development		<u>-</u>
	ia(iii): Consumer Connec			
		Consumer types defined by EDB* Small		(\$000) (\$000) 9,465
:		Commercial		5,853
		Industrial		10,859
5		[EDB consumer type]		
		[EDB consumer type] * include additional rows if needed		
	Consumer connection exp			26,17
	less	Capital contributions funding consumer connection expenditure		16,529
	Consumer connection less			9,64
6	ia(iv): System Growth an	d Asset Replacement and Renewal		Asset Replaceme
				System Growth and Renewal
		Subtransmission		(\$000) (\$000) 6,147 6,05
		Zone substations		8,593 5,87
		Distribution and LV lines		4,368 22,70
		Distribution and LV cables Distribution substations and transformers		5,409 1,19 1,088 5,09
		Distribution substations and transformers Distribution switchgear		1,088 5,09
		Other network assets		1,747 1,67
		replacement and renewal expenditure		27,514 45,95
	less System growth and asset	Capital contributions funding system growth and asset replacement and renewal replacement and renewal less capital contributions		27,514 45,95
	, ,			
6	a(v): Asset Relocations			
6		Project or programme*		(\$000) (\$000)
		NZTA Devon St Waiwhakaio Bridge		704
		NZTA Papamoa Underground cable lowering HV relocation – driveway access		573 117
		NZTA SH2 Waihi overhead reloaction		168
?				
·		* include additional rows if needed		
	Asset relocations expendi	All other projects or programmes - asset relocations		761
	less	Capital contributions funding asset relocations		1,287
		tal contributions		1,03



12 SCHEDULE 6B: OPERATIONAL EXPENDITURE

	Company Name	Powerco	Limited
	For Year Ended	31 March	h 2015
SC	HEDULE 6b: REPORT ON OPERATIONAL EXPENDITURE FOR THE DISCLOSURE YEAR		
	schedule requires a breakdown of operational expenditure incurred in the disclosure year.		
	smust provide explanatory comment on their operational expenditure in Schedule 14 (Explanatory notes to templates). This includes explanatory comment	ent on any atypical o	perational
	nditure 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 requ	ired by section 2.8.	
h rej			
7	6b(i): Operational Expenditure	(\$000)	(\$000)
8	Service interruptions and emergencies	7,006	
9	Vegetation management	5,009	
0	Routine and corrective maintenance and inspection	8,885	
1	Asset replacement and renewal	7,904	
2	Network opex		28,80
3	System operations and network support	9,840	
4	Business support	26,866	
5	Non-network opex	L	36,70
16		_	
7	Operational expenditure	L	65,510
8	6b(ii): Subcomponents of Operational Expenditure (where known)		
9	Energy efficiency and demand side management, reduction of energy losses		-
0	Direct billing*		_
1	Research and development		529
22	Insurance		1,11
	* Direct billing expenditure by suppliers that directly bill the majority of their consumers		

13 SCHEDULE 7

FORECAST V ACTUAL EXPENDITURE

Company Name	Powerco Limited
For Year Ended	31 March 2015
SCHEDULE 7: COMPARISON OF FORECASTS TO ACTUAL EXPENDIT	URE
This schedule compares actual revenue and expenditure to the previous forecasts that were made for the	e 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 forecas	t 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

sch re	f			
7	7(i): Revenue	Target (\$000) 1	Actual (\$000)	% variance
8	Line charge revenue	369,098	367,197	(1%)
8	une charge revenue	309,038	307,137	(170)
9	7(ii): Expenditure on Assets	Forecast (\$000) ²	Actual (\$000)	% variance
10	Consumer connection	17,141	26,177	53%
11	System growth	29,161	27,514	(6%)
12	Asset replacement and renewal	43,008	45,954	7%
13	Asset relocations	2,338	2,322	(1%)
14	Reliability, safety and environment:			
15	Quality of supply	15,736	5,936	(62%)
16	Legislative and regulatory	_	-	-
17	Other reliability, safety and environment	4,930	7,518	52%
18	Total reliability, safety and environment	20,666	13,454	(35%)
19	Expenditure on network assets	112,314	115,421	3%
20	Expenditure on non-network assets	7,063	4,344	(38%)
21	Expenditure on assets	119,377	119,765	0%
22	7(iii): Operational Expenditure			
23	Service interruptions and emergencies	7,201	7,006	(3%)
24	Vegetation management	5,080	5,009	(1%)
25	Routine and corrective maintenance and inspection	8,778	8,885	1%
26	Asset replacement and renewal	9,044	7,904	(13%)
27	Network opex	30,102	28,804	(4%)
28	System operations and network support	12,317	9,840	(20%)
29	Business support	24,908	26,866	8%
30	Non-network opex	37,225	36,707	(1%)
31	Operational expenditure	67,327	65,510	(3%)
32	7(iv): Subcomponents of Expenditure on Assets (where known)			
33	Energy efficiency and demand side management, reduction of energy losses	1,400	521	(63%)
34	Overhead to underground conversion	300	178	(41%)
35	Research and development	_	14	_
36			•	
37	7(v): Subcomponents of Operational Expenditure (where known)			
38	Energy efficiency and demand side management, reduction of energy losses	165	- 1	(100%)
39	Direct billing	_	_	-
40	Research and development	484	529	9%
41	Insurance	1,057	1,117	6%
42		1,337	2,217	070

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.

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

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

14 SCHEDULE 8 BILLED QUANTITIES AND LINE CHARGE REVENUE

8: F	REPORT ON BILLED QU	IANTITIES AND LINE C	HARGE REVENUES							Network / Su	Company Name For Year Ended b-Network Name		31 Mar	ch 2015 Limited	
	the billed quantities and associate		ice category code used by the EDB in	its pricing schedules. Inform	ation is also required on the n	umber of ICPs that are included in each cons	sumer group or price category code, and	I the energy delivered	to these ICPs.						
							Price componen	Billed quantities by	price component	Variable	Demand	Demand	Power Factor	Fixed	
	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)	Unit char	rging basis (eg, days, kW of demand, kV/ of capacity, etc.)	ICP days	kVA of capacity	kWh	kW of demand	kVA of demand	kVArh of demand	Fixture count	Add for a
,	·													*	
	Unmetered Small	Streetlights Residential/Small Commercial	Standard Standard	446 325,122	3,294 2,573,833			113,802,585	-	3,293,944 2,683,893,988	3,725,514	-	-	8,784,559	9
	Medium	Commercial	Standard Standard	325,122 1,238				113,802,585 436,202	-	2,683,893,988	3,/25,514	395,821	16,460	-	+
- +	Large	Large Commercial/Industrial	Standard	270	578,654			_	3,113,296	578,653,757	-	1,817,495	4,927	-	
	Large	Large Commercial/Industrial	Non-standard	311	1,083,903			108,770	-	1,083,903,670	-	-	135,850	_	-
					+			-			-		-	-	+
															1
L															
	Add CXII IOWS JOT BUBILIONAL CONSUL	mer groups or price category codes		327.075	3 389 042			114 238 788	3 113 206	3 499 101 964	3 725 514	2 213 316	21 388	8 784 550	
	Add CADD TOWN JOT GUILLOTTE CONSUL	imer groups or price category codes i	Standard consumer totals Non-standard consumer totals					114,238,788 108,770	3,113,296	3,499,101,964 1,083,903,670	3,725,514	2,213,316	21,388 135,850	8,784,559	9
	Aut card to way or additional consul	imer groups or pince category codes t	Standard consumer totals						3,113,296 - 3,113,296		3,725,514 - 3,725,514	2,213,316 - 2,213,316		8,784,559 - 8,784,559	
	ne Charge Revenues (\$00		Standard consumer totals Non-standard consumer totals	311	1,083,903			108,770 114,347,558	-	1,083,903,670 4,583,005,634	-	-	135,850	_	
			Standard consumer totals Non-standard consumer totals	311	1,083,903		Price componen	108,770 114,347,558	3,113,296	1,083,903,670 4,583,005,634	-	-	135,850	_	
			Standard consumer totals Non-standard consumer totals	311	1,083,903 4,472,945	Total distribution line charg	ransmission Rate (eg, \$ per day, \$ pe	108,770 114,347,558 Line charge revenue	3,113,296 3,000) by price com	1,083,903,670 4,583,005,634	3,725,514		135,850 157,238	8,784,559	Add & for au charg price o
	ne Charge Revenues (\$00	10) by Price Component Consumer type or types (eg.	Standard consumer total Non-standard consumer total Total for all consumers Standard or non-standard consumer group (specify)	311 327,386 Total line charge revenue in disclosure year	1,083,903 4,472,945 Notional revenue foregone from posted discounts (if applicable)	Total distribution line charge line charge revenue (if available)	ransmission Rate (eg, \$ per day, \$ pe rge revenue kWh, etc	108,770 114,347,558 Line charge revenue	3,113,296	1,083,903,670 4,583,005,634 4,583,005,634 Variable 5/kWh			135,850 157,238	8,784,551	Add for a charge
i): Lin	ne Charge Revenues (\$00 Consumer group name or price category code Unmetered	OD) by Price Component Consumer type or types (eg, residential, commercial etc.)	Standard consumer total Non-standard consumer total Total for all consumers Total for all consumers	311 327,386 Total line charge revenue in disdosure year \$1,807 \$275,509	1,083,903 4,472,945 Notional revenue foregone from posted discounts (if applicable)	Total distribution line charge line charge revenue (if av.	ransmission Rate (eg, \$ per day, \$ pe rge revenue kWh, etc	108,770 114,347,558 Line charge revenue Fixed \$/ICP/Day	3,113,296	1,083,903,670 4,583,005,634 4,583,005,634 Variable \$/kWh		Demand 5/kVA of demand	135,850 157,238 Power Factor S/kVArh of demand	8,784,559	Add for a charge
ii): Lin	ne Charge Revenues (\$00 Consumer group name or price category code Unmetered Small Medium	Consumer type or types (eg, residential, commercial Commercial Commercial Commercial	Standard consumer total Non-standard consumer total Total for all consumers Standard or non-standard consumer group (specify) Standard Standard Standard Standard	311 327,386 Total line charge revenue in disdosure year \$1,807 \$275,509 \$20,907	1,083,903 4,472,945 Notional revenue foregone from posted discounts (if applicable)	Total distribution line charge revenue line charge revenue	ransmission Rate (eg, \$ per day, \$ pe rge revenue kWh, etc	108,770 114,347,558 Line charge revenue Fixed \$ //CP/Day	3,113,296 es (5000) by price com Fixed 5/kVA of capacity	1,083,903,670 4,583,005,634 4,583,005,634 1,000	3,725,514 Demand S/kW of demand		135,850 157,238 Power Factor S/kVArh of demand	8,784,551	Add for a charge
ii): Lin	consumer group name or price category code Unmetered Small Medium Large	Consumer type or types (eg, residential, commercial etc.) Streetlights Residential/Small Commercial Commercial Large Commercial/Industrial	Standard consumer total Non-standard consumer total Total for all consumers Standard or non-standard consumer group (specify) Standard Standard Standard Standard Standard	311 327,386 Total line charge revenue in disclosure year \$1,807 \$27,55,09 \$20,907	1.083.903 4.472.945 4.472.945 Notional revenue foregone from posted discounts (if applicable)	Total distribution line charge revenue (if av. 51,807 \$275,509 \$20,907 \$27,116	ransmission Rate (eg, \$ per day, \$ pe rge revenue kWh, etc	108,770 114,347,558 tine charge revenue Fixed \$\(\) \$\	3,113,296	1,083,903,670 4,583,005,634 4,583,005,634 Variable \$/kWh	3,725,514 Demand S/kW of demand	Demand 5/kVA of demand	135,850 157,238 Power Factor S/kWarh of demand	8,784,550 Fixed S/streetlight/day	Add for a charge
ii): Lin	ne Charge Revenues (\$00 Consumer group name or price category code Unmetered Small Medium	Consumer type or types (eg, residential, commercial Commercial Commercial Commercial	Standard consumer total Non-standard consumer total Total for all consumers Standard or non-standard consumer group (specify) Standard Standard Standard Standard	311 327,386 Total line charge revenue in disdosure year \$1,807 \$275,509 \$20,907	1.083.903 4.472.945 4.472.945 Notional revenue foregone from posted discounts (if applicable)	Total distribution line charge revenue line charge revenue	ransmission Rate (eg, \$ per day, \$ pe rge revenue kWh, etc	108,770 114,347,558 Line charge revenue Fixed \$/ICP/Day	3,113,296 es (5000) by price com Fixed 5/kVA of capacity	1,083,903,670 4,583,005,634 4,583,005,634 1,000	3,725,514 Demand S/kW of demand		135,850 157,238 Power Factor S/kVArh of demand	8,784,550 Fixed S/streetlight/day	Add for a charge price
ii): Lin	consumer group name or price category code Unmetered Small Medium Large	Consumer type or types (eg, residential, commercial etc.) Streetlights Residential/Small Commercial Commercial Large Commercial/Industrial	Standard consumer total Non-standard consumer total Total for all consumers Standard or non-standard consumer group (specify) Standard Standard Standard Standard Standard	311 327,386 Total line charge revenue in disclosure year \$1,807 \$27,55,09 \$20,907	1.083.903 4.472.945 4.472.945 Notional revenue foregone from posted discounts (if applicable)	Total distribution line charge revenue (if av. 51,807 \$275,509 \$20,907 \$27,116	ransmission Rate (eg, \$ per day, \$ pe rge revenue kWh, etc	108,770 114,347,558 tine charge revenue Fixed \$\(\) \$\	3,113,296 es (5000) by price com Fixed 5/kVA of capacity	1,083,903,670 4,583,005,634 4,583,005,634 1,000	3,725,514 Demand S/kW of demand		135,850 157,238 Power Factor S/kWarh of demand	8,784,550 Fixed S/streetlight/day	Add for a charge price
ii): Lin	consumer group name or price category code Unmetered Small Medium Large	Consumer type or types (eg, residential, commercial etc.) Streetlights Residential/Small Commercial Commercial Large Commercial/Industrial	Standard consumer total Non-standard consumer total Total for all consumers Standard or non-standard consumer group (specify) Standard Standard Standard Standard Standard	311 327,386 Total line charge revenue in disdosure year \$1,807 \$275,509 \$22,907 \$27,116 \$41,858 \$	1.083.903 4.472.945 4.472.945 Notional revenue foregone from posted discounts (if applicable)	Total distribution line charge revenue (if av. 51,807 \$275,509 \$20,907 \$27,116	ransmission Rate (eg, \$ per day, \$ pe rge revenue kWh, etc	108,770 114,347,558 tine charge revenue Fixed \$\(\) \$\	3,113,296 es (5000) by price com Fixed 5/kVA of capacity	1,083,903,670 4,583,005,634 4,583,005,634 1,000	3,725,514 Demand S/kW of demand		135,850 157,238 Power Factor S/kWarh of demand	8,784,550 Fixed S/streetlight/day	Add for a charge price
ii): Lin	consumer group name or price category code Unmetered Small Medium Large	Consumer type or types (eg, residential, commercial etc.) Streetlights Residential/Small Commercial Commercial Large Commercial/Industrial	Standard consumer total Non-standard consumer total Total for all consumers Standard or non-standard consumer group (specify) Standard Standard Standard Standard Standard	311 327,386 Total line charge revenue in disclosure year \$1,807 \$27,5,509 \$20,907 \$27,116 \$41,858	1.083.903 4.472.945 4.472.945 Notional revenue foregone from posted discounts (if applicable)	Total distribution line charge revenue (if av. 51,807 \$275,509 \$20,907 \$27,116	ransmission Rate (eg, \$ per day, \$ pe rge revenue kWh, etc	108,770 114,347,558 tine charge revenue Fixed \$\(\) \$\	3,113,296 es (5000) by price com Fixed 5/kVA of capacity	1,083,903,670 4,583,005,634 4,583,005,634 1,000	3,725,514 Demand S/kW of demand		135,850 157,238 Power Factor S/kWarh of demand	8,784,550 Fixed S/streetlight/day	Add for a charge price
ii): Lin	consumer group name or price category code Unmetered Small Medium Large	Consumer type or types (eg. residential, commercial Commercial Commercial Large Commercial/Industrial Large Commercial/Industrial	Standard consumer total Non-standard consumer total Total for all consumers Standard or non-standard consumer group (specify) Standard Standard Standard Standard Standard Non-standard	311 327,386 Total line charge revenue in disclosure year \$1,807 \$27,550 \$20,907 \$27,116 \$41,858	1.083.903 4.472.945 4.472.945 Notional revenue foregone from posted discounts (if applicable)	Total distribution line charge revenue (if av. 51,807 \$275,509 \$20,907 \$27,116	ransmission Rate (eg, \$ per day, \$ pe rge revenue kWh, etc	108,770 114,347,558 tine charge revenue Fixed \$\(\) \$\	3,113,296 es (5000) by price com Fixed 5/kVA of capacity	1,083,903,670 4,583,005,634 4,583,005,634 1,000	3,725,514 Demand S/kW of demand		135,850 157,238 Power Factor S/kWarh of demand	8,784,550 Fixed S/streetlight/day	Add for a charge price
ii): Lin	Consumer group name or price category code Unmestered Small Medium Large Large	Consumer type or types (eg. residential, commercial Commercial Commercial Large Commercial/Industrial Large Commercial/Industrial	Standard consumer total Non-standard consumer total Total for all consumers Standard or non-standard consumer group (specify) Standard Standard Standard Non-standard Non-standard Standard	311 327,386 Total line charge revenue in disclosure year \$1,807 \$27,509 \$23,907 \$27,116 \$41,858	1.083,903 4.472,945 Notional revenue foregone from posted discounts (if applicable)	Total distribution line charge revenue (ff av 51,807 9 527,8,07 9 520,907 527,116 541,858 9 5325,339 5325,339	ransmission Rate (eg, \$ per day, \$ pe rge revenue kWh, etc	108,770 114,347,558 Line charge revenut Fixed S/ICP/Day \$32,099 \$6,694 \$40,908	5/kVA of capacity	1,083,903,670 4,583,005,634 4,583,005,634 1,000	3,725,514 Demand S/kW of demand		135,850 157,238 Power Factor S/kVArh of demand ————————————————————————————————————		Add for a charg price
ii): Lin	Consumer group name or price category code Unmestered Small Medium Large Large	Consumer type or types (eg. residential, commercial Commercial Commercial Large Commercial/Industrial Large Commercial/Industrial	Standard consumer total Non-standard consumer total Total for all consumers Standard or non-standard consumer group (specify) Standard Standard Standard Standard Standard Standard Standard Standard Non-standard Non-standard Non-standard Non-standard	311 327,386 Total line charge revenue in disclosure year \$1,807 \$27,509 \$20,907 \$27,116 \$41,858	1.083,903 4.472,945 Notional revenue foregone from posted discounts (if applicable)	Total distribution line charge revenue (ff av. \$1,807 \$5275,509 \$20,007 \$77,116 \$541,858 \$10,007	ransmission Rate (eg, \$ per day, \$ pe rge revenue kWh, etc	108,770 114,347,558 Line charge revenue Fixed 5/ICP/Day	5/kVA of capacity	1,083,903,670 4,583,005,634 Variable S/kWh 5364 5178,067 57,350 5470	5/kW of demand	Demand 5/kVA of demand	135,850 157,238 157,238 Power Factor S/kVArh of demand 		Add of for a charge price
ii): Lin	Consumer group name or price category code Unmestered Small Medium Large Large	Consumer type or types (eg. residential, commercial Commercial Commercial Large Commercial/Industrial Large Commercial/Industrial	Standard consumer total Non-standard consumer total Total for all consumers Standard or non-standard consumer group (specify) Standard Standard Standard Non-standard Non-standard Standard	311 327,386 Total line charge revenue in disclosure year \$1,807 \$27,509 \$23,907 \$27,116 \$41,858	1.083,903 4.472,945 Notional revenue foregone from posted discounts (if applicable)	Total distribution line charge revenue (ff av 51,807 9 527,8,07 9 520,907 527,116 541,858 9 5325,339 5325,339	ransmission Rate (eg, \$ per day, \$ pe rge revenue kWh, etc	108,770 114,347,558 Line charge revenut Fixed S/ICP/Day \$32,099 \$6,694 \$40,908	5/kVA of capacity	1,083,903,670 4,583,005,634 Naponent Variable \$/kWh \$364 \$178,067 \$7,350 \$470	5/kW of demand	Demand 5/kVA of demand	135,850 157,238 157,238 Power Factor S/kVArh of demand 		Add e for a comprise of n

										Company Name For Year Ended b-Network Name		Powerco 31 Mare Western	ch 2015	
ILE 8: REPORT ON BILLED QU e requires the billed quantities and associate			its pricing schedules. Informa	ation is also required on the n	umber of ICPs that are included in each consumer grou	o or price category code, and	the energy delivered	to these ICPs.						
B(i): Billed Quantities by Price C	Component													
							Billed quantities by	orice component						
						Price component	Fixed	Fixed	Variable	Demand	Demand	Power Factor	Fixed	
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)		eg, days, kW of demand, kVA apacity, etc.)	ICP days	kVA of capacity	kWh	kW of demand	kVA of demand	kVArh of demand	Fixture count	Add extra of for addition quantities compone
E1	Residential/Small Commercial	Standard	176,448	1,437,910			60,991,022		1,547,970,544	3,725,514		_		neces
E100	Commercial	Standard	233				83,283	-	95,799,711	3,725,514	395,821	-	-	
E300/E300R	Large Commercial/Industrial	Standard	241				-	2,964,496	569,649,100	-	1,817,495		-	
Special	Large Commercial/Industrial	Non-standard	21	133,994			9,125	-	133,994,321	-	-	6,819	-	
Add extra rows for additional cons	umer groups or price category codes a	s neressani												J
,,	5	Standard consumer totals	176,922				61,074,305	2,964,496	2,213,419,355	3,725,514	2,213,316	-	-]
		Non-standard consumer totals Total for all consumers	21 176,943			ı	9,125 61,083,430	2,964,496	133,994,321 2,347,413,676	3,725,514	2,213,316	6,819 6,819	-	
8(ii): Line Charge Revenues (\$00	00) by Price Component					Price component	Line charge revenue	s (\$000) by price com	ponent Variable	Demand	Demand	Power Factor	Fixed]
(ii): Line Charge Revenues (\$0)	00) by Price Component			Notional revenue	Total transmission		Fixed	Fixed	Variable					
(ii): Line Charge Revenues (\$00) Consumer group name or price category code	OO) by Price Component Consumer type or types (eg, residential, commercial etc.)	Standard or non-standard consumer group (specify)	Total line charge revenue in disclosure year		Total transmission Total distribution — line charge revenuu line charge revenue — (if available)	Price component Rate (eg, \$ per day, \$ per				Demand \$/kW of demand		Power Factor S/kVArh of demand	Fixed \$/streetlight/day	for addi charge re price con
Consumer group name or price	Consumer type or types (eg_residential, commercial etc.)	consumer group (specify) Standard	disclosure year \$152,636	foregone from posted discounts (if applicable)	Total distribution line charge revenue (if available)	Price component Rate (eg, \$ per day, \$ per	Fixed \$/ICP/Day	Fixed	Variable		\$/kVA of demand			for add charge r price cor
Consumer group name or price category code	Consumer type or types (eg, residential, commercial commercial Commercial	consumer group (specify) Standard Standard	disclosure year \$152,636 \$7,543	foregone from posted discounts (if applicable)	Total distribution line charge revenue (if available) \$152,636 \$7,543	Price component Rate (eg, \$ per day, \$ per	Fixed \$/ICP/Day	Fixed S/kVA of capacity	Variable \$/kWh	\$/kW of demand	\$/kVA of demand - \$6,747			for addi charge re price con
Consumer group name or price	Consumer type or types (eg_residential, commercial etc.)	consumer group (specify) Standard	\$152,636 \$7,543 \$26,361 \$4,823	foregone from posted discounts (if applicable)	Total distribution line charge revenue (if available)	Price component Rate (eg, \$ per day, \$ per	\$/ICP/Day \$4,401 \$796	Fixed	S/kWh	\$/kW of demand \$65,343	\$/kVA of demand	\$/kVArh of demand		for addi charge ri price con
Consumer group name or price category code E1 E100 E300/E300R	Consumer type or types (eg, residential, commercial etc.) Residential/Small Commercial Commercial Large Commercial/Industrial	Standard Standard Standard Standard	disclosure year \$152,636 \$7,543 \$26,361	foregone from posted discounts (if applicable)	Total distribution line charge revenue (if available) \$152,636 \$57,543 \$36,361	Price component Rate (eg, \$ per day, \$ per	\$/ICP/Day \$4,401 \$796	Fixed S/kVA of capacity	Variable \$/kWh \$82,893 	\$/kW of demand \$65,343	\$/kVA of demand - \$6,747	S/kVArh of demand		for addi charge re price con
Consumer group name or price category code [1] E100 E300/E300R	Consumer type or types (eg, residential, commercial etc.) Residential/Small Commercial Commercial Large Commercial/Industrial	Standard Standard Standard Standard	\$152,636 \$7,543 \$26,361 \$4,823 - -	foregone from posted discounts (if applicable)	Total distribution line charge revenue (if available) \$152,636 \$57,543 \$36,361	Price component Rate (eg, \$ per day, \$ per	\$/ICP/Day \$4,401 \$796	Fixed S/kVA of capacity	Variable \$/kWh \$82,893 	\$/kW of demand \$65,343	\$/kVA of demand - \$6,747	S/kVArh of demand		for addi charge re price com
Consumer group name or price category code [1] E100 E300/E300R	Consumer type or types (eg, residential, commercial etc.) Residential/Small Commercial Commercial Large Commercial/Industrial	Standard Standard Standard Standard	\$152,636 \$7,543 \$26,361 \$4,823	foregone from posted discounts (if applicable)	Total distribution line charge revenue (if available) \$152,636 \$57,543 \$36,361	Price component Rate (eg, \$ per day, \$ per	\$/ICP/Day \$4,401 \$796	Fixed S/kVA of capacity	Variable \$/kWh \$82,893 	\$/kW of demand \$65,343	\$/kVA of demand - \$6,747	S/kVArh of demand		for addi charge re price con
Consumer group name or price category code [1] E100 E300/E300R	Consumer type or types (eg, residential, commercial etc.) Residential/Small Commercial Commercial Large Commercial/Industrial	Standard Standard Standard Standard	\$152,636 \$7,543 \$26,361 \$4,823 - -	foregone from posted discounts (if applicable)	Total distribution line charge revenue (if available) \$152,636 \$57,543 \$36,361	Price component Rate (eg, \$ per day, \$ per	\$/ICP/Day \$4,401 \$796	Fixed S/kVA of capacity	Variable \$/kWh \$82,893 	\$/kW of demand \$65,343	\$/kVA of demand - \$6,747	S/kVArh of demand		for addi charge re price com
Consumer group name or price category code E1 E100 E300/E300R Special	Consumer type or types (eg, residential, commercial etc.) Residential/Small Commercial Commercial Large Commercial/Industrial	Standard Standard Standard Standard Non-standard Non-standard	disclosure year \$152,636 \$7,543 \$25,361 \$4,823	foregone from posted discounts (if applicable)	Total distribution line charge revenue (ff available) \$152,636 \$57,543 \$26,361 \$4,823	Price component Rate (eg, \$ per day, \$ per	\$/ICP/Day \$4,401 \$796 - \$4,775	Fixed S/kVA of capacity	\$/kWh \$7kWh \$82,893 ————————————————————————————————————	\$/kW of demand \$65,343 - -	5/kVA of demand 	S/kVArh of demand		Add extra for addit charge re price com nece
Consumer group name or price category code E1 E100 E300/E300R Special	Consumer type or types (eg, residential, commercial etc.) Residential/small Commercial Commercial Large Commercial/Industrial Large Commercial/Industrial	Standard Standard Standard Standard Standard Non-standard Non-standard Standard Non-standard Non-standard	disdosure year \$152,636 \$7,543 \$26,361 \$4,823	foregone from posted discounts (if applicable)	Total distribution line charge revenue (ff available) \$152,636 \$57,543 \$526,361 \$54,823 \$5186,541 \$54,823 \$54,823	Price component Rate (eg, \$ per day, \$ per	\$4,401 \$796 - \$4,775	Fixed \$/kVA of capacity	\$/kWh \$82,893	\$/kW of demand \$65,343 	\$/kVA of demand	S/kVArh of demand		for addi charge re price com
Consumer group name or price category code E1 E100 E300/E300R Special	Consumer type or types (eg, residential, commercial etc.) Residential/small Commercial Commercial Large Commercial/Industrial Large Commercial/Industrial	Standard Standard Standard Standard Non-standard Non-standard s necessory Standard consumer totals	disclosure year \$152,636 \$7,543 \$26,361 \$4,823	foregone from posted discounts (if applicable)	Total distribution Ine charge revenue Ine charge revenue (if available)	Price component Rate (eg, \$ per day, \$ per	\$/ICP/Day \$4,401 \$796 \$4,775	Fixed S/kVA of capacity	\$/kWh \$7kWh \$82,893 ————————————————————————————————————	\$/kW of demand \$65,343 - -	5/kVA of demand 	S/kVArh of demand		for addi charge re price com

										Company Name For Year Ended		Powerco 31 Mare		
									Network / Su	ib-Network Name			Region	
		*********	14 B OF BEVEAULES						Network / 3u	D-NELWOIK Nume		Lastern	Region	
	ULE 8: REPORT ON BILLED QU ule requires the billed quantities and associate			its pricing schedules. Informa	ation is also required on the n	mber of ICPs that are included in each consumer group or price category cod	, and the energy deliver	ed to these ICPs.						
	8(i): Billed Quantities by Price C	omponent												
							Billed quantities	y price component						_
						Price comp	onent Fixed	Fixed	Variable	Demand	Demand	Power Factor	Fixed	
	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)	Unit charging basis (eg, days, kW of deman of capacity, etc.)	, kVA	kVA of capacity	kWh	kW of demand	kVA of demand	kVArh of demand	Fixture count	Add extra columns for additional billed quantities by price component as
	V01, V02, T01, T02	Streetlights	Standard	446	3,294				3,293,944				8,784,559	necessary
	V01, V02, T01, T02 V05, V06, T05, T06	Residential/Small Commercial	Standard	148,674	1,135,923		52,811,56	i3 –	1,135,923,444	-	-	_	0,704,559	
	V24, V28, T22, T24, T41	Commercial	Standard	1,005	137,461		352,9		137,460,563	_	_	16,460	-	_
	T43	Large Commercial/Industrial	Standard	29	9,005			148,800	9,004,658	-	-	4,927	-	-
	V40, T50, V60, T60	Large Commercial/Industrial	Non-standard	290	949,909		99,64	-	949,909,349	-	_	129,031	-	-
														1
														1
														-
	A did	mer groups or price category codes a												J
	Add extla rows for duditional consu	mer groups or price category codes a	Standard consumer totals	150,153	1,285,683		53,164,48	148,800	1,285,682,609	-	_	21,388	8,784,559	1
			Non-standard consumer totals	290	949,909		99,64		949,909,349	-	-	129,031	-	1
;			Total for all consumers	150,443	2,235,592		53,264,12	148,800	2,235,591,958	-	-	150,419	8,784,559	1
2	8(ii): Line Charge Revenues (\$00	0) by Price Component				Price comp		rives (\$000) by price con	vponent Variable	Demand	Demand	Power Factor	Fixed	
	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 from posted discounts (if applicable)	Total transmission Rate (eg. 5 per day Total distribution line charge revenue (ff available)	\$ per , etc.) \$/ICP/Day	\$/kVA of capacity	\$/kWh	\$/kW of demand	\$/kVA of demand	\$/kVArh of demand	\$/streetlight/day	Add extra columns for additional line charge revenues by price component a
	V01, V02, T01, T02	Streetlights	Standard	\$1,807		\$1,807	_	_	\$364	_	_	_	\$1,444	necessary
	V05, V06, T05, T06	Residential/Small Commercial	Standard	\$122,873		\$122,873	\$27,69	-	\$95,174	-	-	-	-	
	V24, V28, T22, T24, T41	Commercial	Standard	\$13,363		\$13,363	\$5,89		\$7,350	-	-	\$115	-	-
	T43 V40, T50, V60, T60	Large Commercial/Industrial Large Commercial/Industrial	Standard Non-standard	\$755 \$37,036	 	\$755 \$37,036	\$36,13	\$250	\$470	-	-	\$34 \$903	-	-
	440, 130, 400, 100	an Be commercial/muusuldi	Non Standard	\$37,036		\$37,U30	\$36,1:	-			_	5903	_	
				-										
				-										-
				-				-		-				-
	Add extra rows for additional consu	mer groups or price category codes a	s necessary	_						·	<u> </u>			
	, , , , , , , , , , , , , , , , , , , ,		Standard consumer totals	\$138,798	-	\$138,798 -	\$33,59		\$103,358	-	-	\$150	\$1,444	
			Non-standard consumer totals	\$37,036	-	\$37,036 -	\$36,13		6103.050	-	-	\$903		-
,			Total for all consumers	\$175,834		\$175,834 -	\$69,72	9 \$250	\$103,358	-	-	\$1,053	\$1,444	1
2	8(iii): Number of ICPs directly bi Number of directly billed ICPs at ye					Check OK								

15 SCHEDULE 9A ASSET REGISTER

				Company Name For Year Ended		Powerco Limited 31 March 2015	
			Network / Su	b-network Name	F	owerco Limited	
EDULF	9a: ASSET REGISTER		network / Su		<u> </u>	co minec	·
		ets that make up the network, by asset category and asset class. All units relatin	g to cable and line as:	ets, that are express	ed in km, refer to cir	cuit lengths.	
Voltage	Asset category	Asset class	Units	Items at start of year (quantity)	Items at end of year (quantity)	Net change	Data accurac
All	Overhead Line	Concrete poles / steel structure	No.	218,746	220,472	1,726	4
All	Overhead Line	Wood poles	No.	41,611	40.138	(1,473)	3
All	Overhead Line	Other pole types	No.	5,945	5,400	(545)	2
HV	Subtransmission Line	Subtransmission OH up to 66kV conductor	km	1,506	1,506	0	4
HV	Subtransmission Line	Subtransmission OH 110kV+ conductor	km	-	_	-	4
HV	Subtransmission Cable	Subtransmission UG up to 66kV (XLPE)	km	124	121	(3)	3
HV	Subtransmission Cable	Subtransmission UG up to 66kV (Oil pressurised)	km	20	20	(0)	4
HV	Subtransmission Cable	Subtransmission UG up to 66kV (Gas pressurised)	km	-	_	-	4
HV	Subtransmission Cable	Subtransmission UG up to 66kV (PILC)	km	6	6	(0)	4
HV	Subtransmission Cable	Subtransmission UG 110kV+ (XLPE)	km	-	_	_	4
HV	Subtransmission Cable	Subtransmission UG 110kV+ (Oil pressurised)	km	-	_	-	4
HV	Subtransmission Cable	Subtransmission UG 110kV+ (Gas Pressurised)	km	-	_	-	4
HV	Subtransmission Cable	Subtransmission UG 110kV+ (PILC)	km	-	_	_	4
HV	Subtransmission Cable	Subtransmission submarine cable	km	-	_	_	4
HV	Zone substation Buildings	Zone substations up to 66kV	No.	141	136	(5)	2
HV	Zone substation Buildings	Zone substations 110kV+	No.	-	-	-	4
HV	Zone substation switchgear	50/66/110kV CB (Indoor)	No.	-	_	_	4
HV	Zone substation switchgear	50/66/110kV CB (Outdoor)	No.	15	14	(1)	4
HV	Zone substation switchgear	33kV Switch (Ground Mounted)	No.	16	20	4	3
HV	Zone substation switchgear	33kV Switch (Pole Mounted)	No.	890	870	(20)	3
HV	Zone substation switchgear	33kV RMU	No.	1	6	5	4
HV	Zone substation switchgear	22/33kV CB (Indoor)	No.	107	96	(11)	3
HV	Zone substation switchgear	22/33kV CB (Outdoor)	No.	195	190	(5)	3
HV	Zone substation switchgear	3.3/6.6/11/22kV CB (ground mounted)	No.	777	797	20	3
HV	Zone substation switchgear	3.3/6.6/11/22kV CB (pole mounted)	No.	58	54	(4)	3
HV	Zone Substation Transformer	Zone Substation Transformers	No.	180	197	17	3
HV	Distribution Line	Distribution OH Open Wire Conductor	km	14,761	14,764	4	4
HV	Distribution Line	Distribution OH Aerial Cable Conductor	km	-	- 86	- (0)	4
HV	Distribution Line	SWER conductor	km	86		(0)	3
HV HV	Distribution Cable Distribution Cable	Distribution UG XLPE or PVC Distribution UG PILC	km km	1,660 217	1,721 213	60 (4)	3
			*****	217	213	(4)	
HV HV	Distribution Cable	Distribution Submarine Cable	km No.	404	453	49	3
HV	Distribution switchgear Distribution switchgear	3.3/6.6/11/22kV CB (pole mounted) - reclosers and sectionalisers 3.3/6.6/11/22kV CB (Indoor)	No. No.	404 317	453 323	49	3
HV	Distribution switchgear Distribution switchgear	3.3/6.6/11/22kV CB (Indoor) 3.3/6.6/11/22kV Switches and fuses (pole mounted)	No.	37,465	37,832	367	3
HV	Distribution switchgear Distribution switchgear	3.3/6.6/11/22kV Switches and ruses (pole mounted) 3.3/6.6/11/22kV Switch (ground mounted) - except RMU	No.	4,300	2,367	(1,933)	3
HV	Distribution switchgear Distribution switchgear	3.3/6.6/11/22kV SWItch (ground mounted) - except kNiU 3.3/6.6/11/22kV RMU	No.	1,234	2,367	(1,933)	3
HV	Distribution Transformer	Pole Mounted Transformer	No.	27,550	27,873	323	3
HV	Distribution Transformer	Ground Mounted Transformer	No.	7,720	7,845	125	3
HV	Distribution Transformer	Voltage regulators	No.	169	105	(64)	4
HV	Distribution Substations	Ground Mounted Substation Housing	No.	4,863	5,407	544	2
LV	LV Line	LV OH Conductor	km	5,448	5,439	(8)	2
LV	LV Cable	LV UG Cable	km	3,892	3,945	53	2
LV	LV Street lighting	LV OH/UG Streetlight circuit	km	2,702	2,737	35	2
LV	Connections	OH/UG consumer service connections	No.	249,342	259,824	10,482	3
All	Protection	Protection relays (electromechanical, solid state and numeric)	No.	2,515	2,512	(3)	4
All	SCADA and communications	SCADA and communications equipment operating as a single system	Lot	2	1	(1)	4
All	Capacitor Banks	Capacitors including controls	No	49	49	-	4
All	Load Control	Centralised plant	Lot	42	37	(5)	3
All	Load Control	Relays	No	2,126	2,259	133	3
All	Civils	Cable Tunnels	km	,		_	4

				Company Name For Year Ended		owerco Limited 31 March 2015	
	Pa: ASSET REGISTER ires a summary of the quantity of ass	ets that make up the network, by asset category and asset class. All units rela		b-network Name		Vestern Region efer to circuit lengths	i.
				Items at start of	Items at end of		Data accuracy
Voltage	Asset category	Asset class	Units	year (quantity)	year (quantity)	Net change	(1-4)
All	Overhead Line	Concrete poles / steel structure	No.	139,688	140,942	1,254	4
All	Overhead Line	Wood poles	No.	35,726	34,569	(1,157)	3
All	Overhead Line	Other pole types	No.	2,320	2,280	(40)	2
HV	Subtransmission Line	Subtransmission OH up to 66kV conductor	km	961	961	(0)	4
HV	Subtransmission Line	Subtransmission OH 110kV+ conductor	km	39	41	-	3
	Subtransmission Cable	Subtransmission UG up to 66kV (XLPE)	km	39		1	4
HV HV	Subtransmission Cable Subtransmission Cable	Subtransmission UG up to 66kV (Oil pressurised) Subtransmission UG up to 66kV (Gas pressurised)	km km	20	20	(0)	4
HV	Subtransmission Cable Subtransmission Cable	Subtransmission UG up to 66kV (PILC)	km km	6	- 6	(0)	4
HV	Subtransmission Cable	Subtransmission UG 110kV+ (XLPE)	km	-	-	- (0)	4
HV	Subtransmission Cable	Subtransmission UG 110kV+ (Oil pressurised)	km		_	_	4
HV	Subtransmission Cable	Subtransmission UG 110kV+ (Gas Pressurised)	km	-	_	_	4
HV	Subtransmission Cable	Subtransmission UG 110kV+ (PILC)	km	-	_	-	4
HV	Subtransmission Cable	Subtransmission submarine cable	km	-	_	-	4
HV	Zone substation Buildings	Zone substations up to 66kV	No.	82	79	(3)	2
HV	Zone substation Buildings	Zone substations 110kV+	No.	-	_	_	4
HV	Zone substation switchgear	50/66/110kV CB (Indoor)	No.	-	_	-	4
HV	Zone substation switchgear	50/66/110kV CB (Outdoor)	No.	-	_	-	4
HV	Zone substation switchgear	33kV Switch (Ground Mounted)	No.	10	10	-	3
HV	Zone substation switchgear	33kV Switch (Pole Mounted)	No.	558	543	(15)	3
HV	Zone substation switchgear	33kV RMU	No.	1	5	4	4
HV	Zone substation switchgear	22/33kV CB (Indoor)	No.	77	63	(14)	3
HV	Zone substation switchgear	22/33kV CB (Outdoor)	No.	106	98	(8)	3
HV	Zone substation switchgear	3.3/6.6/11/22kV CB (ground mounted)	No.	445	460	15	3
HV	Zone substation switchgear	3.3/6.6/11/22kV CB (pole mounted)	No.	57	53	(4)	3
HV	Zone Substation Transformer	Zone Substation Transformers	No.	103	111	8	3
HV	Distribution Line	Distribution OH Open Wire Conductor	km	10,129	10,123	(6)	4
HV	Distribution Line	Distribution OH Aerial Cable Conductor	km	-	-	- (-)	4
HV HV	Distribution Line Distribution Cable	SWER conductor Distribution UG XIPE or PVC	km km	17 566	17 590	(0)	3
HV	Distribution Cable Distribution Cable	Distribution UG XLPE or PVC Distribution UG PILC	km km	107	104	(3)	3
HV	Distribution Cable Distribution Cable	Distribution GG PIEC Distribution Submarine Cable	km	107	104	(3)	4
HV	Distribution switchgear	3.3/6.6/11/22kV CB (pole mounted) - reclosers and sectionalisers	No.	243	266	23	3
HV	Distribution switchgear	3.3/6.6/11/22kV CB (Indoor)	No.	141	148	7	3
HV	Distribution switchgear	3.3/6.6/11/22kV Switches and fuses (pole mounted)	No.	23,025	23,286	261	3
HV	Distribution switchgear	3.3/6.6/11/22kV Switch (ground mounted) - except RMU	No.	2,286	1,114	(1,172)	3
HV	Distribution switchgear	3.3/6.6/11/22kV RMU	No.	280	774	494	3
HV	Distribution Transformer	Pole Mounted Transformer	No.	18,463	18,681	218	3
HV	Distribution Transformer	Ground Mounted Transformer	No.	3,011	3,084	73	3
HV	Distribution Transformer	Voltage regulators	No.	105	65	(40)	4
HV	Distribution Substations	Ground Mounted Substation Housing	No.	1,837	2,208	371	2
LV	LV Line	LV OH Conductor	km	3,468	3,469	2	2
LV	LV Cable	LV UG Cable	km	2,090	2,118	28	2
LV	LV Street lighting	LV OH/UG Streetlight circuit	km	1,337	1,343	6	2
LV	Connections	OH/UG consumer service connections	No.	142,412	147,900	5,488	3
All	Protection	Protection relays (electromechanical, solid state and numeric)	No.	1,444	1,437	(7)	4
All	SCADA and communications	SCADA and communications equipment operating as a single system	Lot	2	1	(1)	4
All	Capacitor Banks	Capacitors including controls	No	4 30	4 25	(5)	3
All	Load Control	Centralised plant	Lot	1,179	1,168	(5)	3
All All	Load Control Civils	Relays Cable Tunnels	No km	1,179	1,168	(11)	4

Company Name	Powerco Limited
For Year Ended	31 March 2015
Network / Sub-network Name	Eastern Region

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.

				Items at start of	Items at end of		Data accurac
Voltage	Asset category	Asset class	Units	year (quantity)	year (quantity)	Net change	(1-4)
All	Overhead Line	Concrete poles / steel structure	No.	79,058	79,530	472	4
All	Overhead Line	Wood poles	No.	5,885	5,569	(316)	3
All	Overhead Line	Other pole types	No.	3,625	3,120	(505)	2
HV	Subtransmission Line	Subtransmission OH up to 66kV conductor	km	545	545	0	4
HV	Subtransmission Line	Subtransmission OH 110kV+ conductor	km	-	-	-	4
HV	Subtransmission Cable	Subtransmission UG up to 66kV (XLPE)	km	84	80	(5)	3
HV	Subtransmission Cable	Subtransmission UG up to 66kV (Oil pressurised)	km	-	-	-	4
HV	Subtransmission Cable	Subtransmission UG up to 66kV (Gas pressurised)	km	-	_	-	4
HV	Subtransmission Cable	Subtransmission UG up to 66kV (PILC)	km	-	-	-	4
HV	Subtransmission Cable	Subtransmission UG 110kV+ (XLPE)	km	-	-	-	4
HV	Subtransmission Cable	Subtransmission UG 110kV+ (Oil pressurised)	km	-	-	-	4
HV	Subtransmission Cable	Subtransmission UG 110kV+ (Gas Pressurised)	km	-	-	-	4
HV	Subtransmission Cable	Subtransmission UG 110kV+ (PILC)	km	-	_	-	4
HV	Subtransmission Cable	Subtransmission submarine cable	km	-	_	-	4
HV	Zone substation Buildings	Zone substations up to 66kV	No.	59	57	(2)	2
HV	Zone substation Buildings	Zone substations 110kV+	No.	-	_	-	4
HV	Zone substation switchgear	50/66/110kV CB (Indoor)	No.	-	_	-	4
HV	Zone substation switchgear	50/66/110kV CB (Outdoor)	No.	15	14	(1)	4
HV	Zone substation switchgear	33kV Switch (Ground Mounted)	No.	6	10	4	3
HV	Zone substation switchgear	33kV Switch (Pole Mounted)	No.	332	327	(5)	3
HV	Zone substation switchgear	33kV RMU	No.		1	1	4
HV	Zone substation switchgear	22/33kV CB (Indoor)	No.	30	33	3	3
HV	Zone substation switchgear	22/33kV CB (Outdoor)	No.	89	92	3	3
HV	Zone substation switchgear	3.3/6.6/11/22kV CB (ground mounted)	No.	332	337	5	3
HV	Zone substation switchgear	3.3/6.6/11/22kV CB (pole mounted)	No.	1	1	_	3
HV	Zone Substation Transformer	Zone Substation Transformers	No.	77	86	9	3
HV	Distribution Line	Distribution OH Open Wire Conductor	km	4,632	4,641	9	4
HV	Distribution Line	Distribution OH Aerial Cable Conductor	km	4,032	-	_	4
HV	Distribution Line	SWER conductor	km	69	69	(0)	4
HV	Distribution Cable	Distribution UG XLPE or PVC	km	1.095	1,131	37	3
HV	Distribution Cable	Distribution OG XEPE of PVC Distribution UG PILC	km	1,095	1,131		3
						(1)	4
HV	Distribution Cable	Distribution Submarine Cable	km	11 161	11 187		3
HV	Distribution switchgear	3.3/6.6/11/22kV CB (pole mounted) - reclosers and sectionalisers	No.			26	3
HV	Distribution switchgear	3.3/6.6/11/22kV CB (Indoor)	No.	176	175	(1)	
HV	Distribution switchgear	3.3/6.6/11/22kV Switches and fuses (pole mounted)	No.	14,440	14,546	106	3
HV	Distribution switchgear	3.3/6.6/11/22kV Switch (ground mounted) - except RMU	No.	2,014	1,253	(761)	3
HV	Distribution switchgear	3.3/6.6/11/22kV RMU	No.	954	1,296	342	3
HV	Distribution Transformer	Pole Mounted Transformer	No.	9,087	9,192	105	3
HV	Distribution Transformer	Ground Mounted Transformer	No.	4,709	4,761	52	3
HV	Distribution Transformer	Voltage regulators	No.	64	40	(24)	4
HV	Distribution Substations	Ground Mounted Substation Housing	No.	3,026	3,199	173	2
LV	LV Line	LV OH Conductor	km	1,980	1,970	(10)	2
LV	LV Cable	LV UG Cable	km	1,802	1,827	25	2
LV	LV Street lighting	LV OH/UG Streetlight circuit	km	1,365	1,394	29	2
LV	Connections	OH/UG consumer service connections	No.	106,930	111,924	4,994	3
All	Protection	Protection relays (electromechanical, solid state and numeric)	No.	1,071	1,075	4	4
All	SCADA and communications	SCADA and communications equipment operating as a single system	Lot	1	1	-	4
All	Capacitor Banks	Capacitors including controls	No	45	45	-	4
All	Load Control	Centralised plant	Lot	12	12	_	3
All	Load Control	Relays	No	947	1,091	144	3
All	Civils	Cable Tunnels	km		_	_	4

16 SCHEDULE 9B ASSET AGE PROFILE

																									Company Name		owerco Limited
																									For Year Ended		31 March 2015
																								Network	/ Sub-network Name	P	owerco Limited
		Db: ASSET AGE PROFILE uires a summary of the age profile (bas	ted on year of installation) of the assets that make up the network, by asset categoral.	ary and asset	class. All units	s relating to	cable and	line assets,	, that are exp	pressed in k	m, refer to c			at disclosure year e	end by insta	llation date										No. with	Items at No. with
						1940	1950	1960	1970	1980	1990															age	end of year default Data a
9	Voltage	Asset category	Asset class	Units	pre-1940	-1949	-1959	-1969	-1979	-1989	-1999	2000	2001	2002 200					2008	2009	2010	2011	2012	2013 2014	2015	unknown	(quantity) dates (1-
0	All	Overhead Line	Concrete poles / steel structure	No.	19	1,007	5,801	34,232	59,070 10,595	52,445	27,857	3,448	3,200 265			992 1,8				2,794	2,614	2,261	2,460	3,336 3,35	0 1,603	_	220,472 7,070
2	All	Overhead Line	Wood poles	No.	35	55	1,130	8,459 26	4 709	8,511	8,580 73	434	265		_	317 2 52 1		54 198 74 33		75 25	90	31	4	4	5 12		40,138 1,331 5,400 4,624
3	HV	Overhead Line Subtransmission Line	Other pole types	No.		- 10	102	345	4,709 366	316	231	28	60	44	41	52 1	14	74 34	34	25	8	13	17	1 1			1,506 0
14	HV	Subtransmission Line	Subtransmission OH up to 66kV conductor Subtransmission OH 110kV+ conductor	km		19	102	343	300	310	231	9	- 0	3	- 2	- 2	14	2 3	4		3	34	- 1/	1 1	5 0		1,506
5	HV	Subtransmission Cable	Subtransmission UG up to 66kV (XLPE)	km				- 0	20	- 7	- 23			-	-	-	1	2 .	-			10		-	1 1		121
16	HV	Subtransmission Cable	Subtransmission UG up to 66kV (Oil pressurised)	km				17	20	1	0	ó			- 1		-	-	-		′	-	-		-		20 1
17	HV	Subtransmission Cable	Subtransmission UG up to 66kV (Gas pressurised)	km			_	-	_	-	-		_		-	_ _	_	_	_		_	_	_	_ _	_	_	
18	HV	Subtransmission Cable	Subtransmission UG up to 66kV (PILC)	km	-	-	-	1	1	4	0	-	-		-		-	-	-	_	_	_	_		_	_	6 -
19	HV	Subtransmission Cable	Subtransmission UG 110kV+ (XLPE)	km	-	-	-	- 1	- 1	-	-	-	-		-		-	-	-	_	-	_	_		_	_	
20	HV	Subtransmission Cable	Subtransmission UG 110kV+ (Oil pressurised)	km	-	-	-	-	-	-	-	- 1	-		-		- -	-	-	-	-	_	_		-	_	
21	HV	Subtransmission Cable	Subtransmission UG 110kV+ (Gas Pressurised)	km	-	-	-	-	-	-	-	-	_	-	-		-	-	-	_	-	_	_		-	_	
22	HV	Subtransmission Cable	Subtransmission UG 110kV+ (PILC)	km				_								- -	-		_		_		-		_		
23	HV	Subtransmission Cable	Subtransmission submarine cable	km			_	_		_	_				- 🗆				_		_	_	_		_		
24	HV	Zone substation Buildings	Zone substations up to 66kV	No.	-	-	1	5	48	13	13	-	_		- 🗆	2	32	2 6	1	1	1	3	2	3	3 -	_	136 39
25	HV	Zone substation Buildings	Zone substations 110kV+	No.		- 1	- 1	- 1			_	-		_	-		- 1	_	_	-	_	_			_		
6	HV	Zone substation switchgear	50/66/110kV CB (Indoor)	No.	T	T	T				_	- 1		_	- _	- -					_				-	_	
7	HV	Zone substation switchgear	50/66/110kV CB (Outdoor)	No.	-	-	-	-	2	4	1	-	-		-	1	1	1 4	-	-	-	-	-		-		14 -
8	HV	Zone substation switchgear	33kV Switch (Ground Mounted)	No.		-	-	-	-	2	-	-			-	-	1 -		2	1	-	4	6	4 -			20 –
29	HV	Zone substation switchgear	33kV Switch (Pole Mounted)	No.		-	-	181	176	207	127	10	6	3	4	6	13	3 11	. 9	16	15	14	31	26	9 3		870 23
30	HV	Zone substation switchgear	33kV RMU	No.	-	-	-	-	-	1	-	-	-		-		-	2 -	-	3	-	-	-		-		6 -
31	HV	Zone substation switchgear	22/33kV CB (Indoor)	No.		-	-	-	-	-	23				-	- -		5 6	6	5	23	13	-	9	6 -		96 -
32	HV	Zone substation switchgear	22/33kV CB (Outdoor)	No.		-	2	30	40	38	26	6	2	2	3	4	5	6 4	5	4	1		1	5	6 -		190 8
33	HV	Zone substation switchgear	3.3/6.6/11/22kV CB (ground mounted)	No.		-	-	111	213	119	108	4	9	-	7	20	10	18 36		27	16	20	20	29 1	1 1		797 61
54	HV	Zone substation switchgear	3.3/6.6/11/22kV CB (pole mounted)	No.			-	49	3	9	16 7			3	3	-	1 -	2 /	_	5	3	-	5		1 1		34 2
35	HV	Zone Substation Transformer	Zone Substation Transformers				6			28	-	2	2	2	2	-	5	-		3	1	1	2	4 -			
36	HV	Distribution Line	Distribution OH Open Wire Conductor	km	81	119	1,409	3,091	3,607	3,630	1,494	46	72	104	79	84	69	86 84	68	85	86	6/	99	136 11	7 50		14,764 21
38	HV	Distribution Line Distribution Line	Distribution OH Aerial Cable Conductor SWER conductor	km km		-	-				- 0				-					-	-	-			-		
30	HV	Distribution Cable	Distribution UG XLPE or PVC	km		- 0	- 0	35	226	429	305	- 49	43	- 26	29	41	40	57 59	60	53	48	41	- 39	41 4	0 47	_	1,721 52
40	HV	Distribution Cable	Distribution UG PILC	km			1	26	70	76	21	43	43	20	2 2	1	1	2 2	00	- 0	40	- 41	39	0	0 0		213 5
11	HV	Distribution Cable	Distribution Submarine Cable	km				- 20	- 70	70	8				_				_	1	_	_			_		11 -
12	HV	Distribution switchgear	3.3/6.6/11/22kV CB (pole mounted) - reclosers and sectionalisers	No.			_	- 1	36	33	42		٥	16	9	21	19	18 14	18	79	27	27	30	34 3	8 28		453 32
43	HV	Distribution switchgear	3.3/6.6/11/22kV CB (Indoor)	No.		_	9	53	115	29	58	6	1	1	3	2	3	7 1	1	3	8	10	4	7 -	2		323 36
44	HV	Distribution switchgear	3.3/6.6/11/22kV Switches and fuses (pole mounted)	No.	20	21	694	2,768	8,017	6,871	5,911	481	1,109	1,029	754	792 9	81 7	58 870	828	829	820	713	836	895 1,19		_	37,832 531
45	HV	Distribution switchgear	3.3/6.6/11/22kV Switch (ground mounted) - except RMU	No.	- 1	3	14	156	637	460	341	51	76			71		82 75		63	32	41	33	24 1		-	2,367 29
16	HV	Distribution switchgear	3.3/6.6/11/22kV RMU	No.	- 1	- 1	4	38	168	237	295	29	57	47	55	66	86 1	07 129	125	111	81	82	93	91 10	3 66	-	2,070 18
17	HV	Distribution Transformer	Pole Mounted Transformer	No.	35	43	878	3,110	4,531	4,415	4,954	502	500	550				23 609		688	574	525	565	584 71		-	27,873 33
8	HV	Distribution Transformer	Ground Mounted Transformer	No.	1	8	71	420	1,229	1,532	1,204	179	179	163			73 3	54 300	293	239	172	168	191	131 18			7,845 12
9	HV	Distribution Transformer	Voltage regulators	No.		1	1	2	8	3	10	1	1	7	2	3	4	7 :	16	4	5	3	6	4 1	0 5		105 6
0	HV	Distribution Substations	Ground Mounted Substation Housing	No.	3	-	5	147	1,077	1,498	960	111	112	83	149	159 1	137 1	02 115	117	112	78	73	69	59 11	3 128	_	5,407 5
1	LV	LV Line	LV OH Conductor	km	2	71	368	1,505	1,690	1,037	433	38	33			24		21 21		17	16	13	12	17 1		_	5,439 34
2	LV	LV Cable	LV UG Cable	km	0	0	8	146	1,031	900	708	57	60			33	107 1	14 131		113	58	44	41	37 4	3 21	_	3,945 270
3	LV	LV Street lighting	LV OH/UG Streetlight circuit	km	0	20	114	384	708	516	401	41	40	25		67	69	U1 U.	30	54	29	22	18	13 1		_	2,737 88
2	LV	Connections	OH/UG consumer service connections	No.	31	229	2,777	18,527	107,469	48,213	32,336	2,593	2,777	2,274 2,1		283 3,6				3,399	3,159	3,346	2,822	3,496 3,31		_	259,824 63,252
5	All	Protection	Protection relays (electromechanical, solid state and numeric)	No.	-	-	-	256	789	409	259	73	8	20	7	28	49	56 37	66	79	26	74	57	76 11	2 31	_	2,512 262
5	All	SCADA and communications	SCADA and communications equipment operating as a single system	Lot		-	-	-	-	-	-	-		-	-				-	-	-	1	-		-		1 -
1	All	Capacitor Banks	Capacitors including controls	No		-	-	-	1	-	34	2	-		-				-	2	1	-	6	1 -	2	_	49 1
8	All	Load Control	Centralised plant	Lot		-	-	-	6	5	9		1		-	-	1 -		-	3	2	1	6	1	2 -	_	37 3
9	All	Load Control	Relays	No		-	9	19	1,098	158	115	40	18	23	11	35	24	58 82	38	72	80	64	33	201 6	2 19		2,259 940
ю	All	Civils	Cable Tunnels	km	1 - 1	-	-	-	- 1	_	_		_	1	_ 1	_ 1 _	- 1 -	1 -	1 - 1	_	_	_	_	_	-	-	

Company Name Powerco Limited For Year Ended 31 March 2015 Western Region Network / Sub-network Name SCHEDULE 9b: ASSET AGE PROFILE 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. 31 March 2015 Number of assets at disclosure year end by installation date Disclosure Year (year ended) No. with Items at No. with end of year default Data accuracy Voltage Asset category Asset class -1959 -1969 -1979 -1989 -1999 (quantity) dates Concrete poles / steel structure Overhead Line 18,551 30,624 35,587 22,103 1,890 140,942 4,304 Wood poles 34,569 Overhead Line Other pole types HV Subtransmission Line Subtransmission OH up to 66kV conductor 961 HV Subtransmission Line Subtransmission OH 110kV+ conductor Subtransmission UG up to 66kV (XLPE) Subtransmission Cable Subtransmission UG up to 66kV (Oil pressurised) Subtransmission Cable Subtransmission UG up to 66kV (Gas pressurised) HV Subtransmission Cable Subtransmission UG up to 66kV (PILC) HV Subtransmission Cable Subtransmission UG 110kV+ (XLPE) Subtransmission Cable Subtransmission UG 110kV+ (Oil pressurised) Subtransmission UG 110kV+ (Gas Pressurised) Subtransmission Cable Subtransmission UG 110kV+ (PILC) HV Subtransmission Cable Subtransmission submarine cable HV Zone substation Buildings Zone substations up to 66kV HV Zone substation Buildings Zone substations 110kV+ Zone substation switchgear 50/66/110kV CB (Indoor) Zone substation switchgear 50/66/110kV CB (Outdoor) HV Zone substation switchgear 33kV Switch (Ground Mounted) HV Zone substation switchgear 33kV Switch (Pole Mounted) 543 33kV RMU Zone substation switchgear HV 22/33kV CB (Indoor) Zone substation switchgear 22/33kV CB (Outdoor) HV Zone substation switchgear 3.3/6.6/11/22kV CB (ground mounted) 460 HV Zone substation switchgear 3.3/6.6/11/22kV CB (pole mounted) Zone Substation Transformers Zone Substation Transformer 111 -20 10,123 Distribution Line Distribution OH Aerial Cable Conductor HV Distribution Line SWER conductor Distribution Cable Distribution UG XLPE or PVC 590 Distribution UG PILC Distribution Cable 104 0 Distribution switchgear 3.3/6.6/11/22kV CB (pole mounted) - reclosers and sectionalisers HV Distribution switchgear 3.3/6.6/11/22kV CB (Indoor) 148 3.3/6.6/11/22kV Switches and fuses (pole mounted) Distribution switchgear 2.936 367 23.286 Distribution switchgear 3.3/6.6/11/22kV Switch (ground mounted) - except RMU 1,114 -26 3.3/6.6/11/22kV RMU Distribution Transformer Pole Mounted Transformer HV Distribution Transformer Ground Mounted Transformer 429 71 3,084 HV Distribution Transformer Voltage regulators Distribution Substations Ground Mounted Substation Housing 71 4 2,208 3,469 LV Cable LV UG Cable LV Street lighting LV OH/UG Streetlight circuit 1,343 Connections OH/UG consumer service connections 1 219 147 900 Protection Protection relays (electromechanical, solid state and numeric) 1,437 17 SCADA and communications equipment operating as a single system Capacitor Banks Capacitors including controls All Load Control Centralised plant All Load Control Relays 1,168 All Civils Cable Tunnels

Company Name Powerco Limited For Year Ended 31 March 2015 Network / Sub-network Name Eastern Region SCHEDULE 9b: ASSET AGE PROFILE 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. 31 March 2015 Number of assets at disclosure year end by installation date Disclosure Year (year ended) No. with Items at No. with end of year default Data accuracy Voltage Asset category Asset class -1959 -1969 -1979 -1989 -1999 (quantity) dates Concrete poles / steel structure Overhead Line 15,681 28,446 16,858 672 79,530 2,766 Wood poles Overhead Line Other pole types HV Subtransmission Line Subtransmission OH up to 66kV conductor HV Subtransmission Line Subtransmission OH 110kV+ conductor Subtransmission Cable Subtransmission UG up to 66kV (XLPE) Subtransmission UG up to 66kV (Oil pressurised) Subtransmission Cable Subtransmission UG up to 66kV (Gas pressurised) HV Subtransmission Cable Subtransmission UG up to 66kV (PILC) HV Subtransmission Cable Subtransmission UG 110kV+ (XLPE) Subtransmission Cable Subtransmission UG 110kV+ (Oil pressurised) Subtransmission UG 110kV+ (Gas Pressurised) Subtransmission Cable Subtransmission UG 110kV+ (PILC) HV Subtransmission Cable Subtransmission submarine cable HV Zone substation Buildings Zone substations up to 66kV HV Zone substation Buildings Zone substations 110kV+ Zone substation switchgear 50/66/110kV CB (Indoor) Zone substation switchgear 50/66/110kV CB (Outdoor) HV Zone substation switchgear 33kV Switch (Ground Mounted) HV Zone substation switchgear 33kV Switch (Pole Mounted) 327 33kV RMU Zone substation switchgear 22/33kV CB (Indoor) Zone substation switchgear 22/33kV CB (Outdoor) HV Zone substation switchgear 3.3/6.6/11/22kV CB (ground mounted) 337 HV Zone substation switchgear 3.3/6.6/11/22kV CB (pole mounted) Zone Substation Transformers Zone Substation Transformer 86 30 4,641 Distribution Line Distribution OH Aerial Cable Conductor HV Distribution Line SWER conductor HV Distribution Cable Distribution UG XLPE or PVC 31 1.131 Distribution Cable Distribution UG PILC 109 Distribution switchgear 3.3/6.6/11/22kV CB (pole mounted) - reclosers and sectionalisers HV Distribution switchgear 3.3/6.6/11/22kV CB (Indoor) 3.3/6.6/11/22kV Switches and fuses (pole mounted) Distribution switchgear 274 14.546 Distribution switchgear 3.3/6.6/11/22kV Switch (ground mounted) - except RMU 1,253 1 40 3.3/6.6/11/22kV RMU 1,296 Distribution Transformer Pole Mounted Transformer HV Distribution Transformer Ground Mounted Transformer 687 47 4,761 HV Distribution Transformer Voltage regulators Distribution Substations Ground Mounted Substation Housing 57 2 3,199 1,970 LV Cable LV UG Cable LV Street lighting LV OH/UG Streetlight circuit 1,394 Connections OH/UG consumer service connections 1 167 111 924 Protection Protection relays (electromechanical, solid state and numeric) 1,075 14 SCADA and communications equipment operating as a single system Capacitor Banks Capacitors including controls All Load Control Centralised plant All Load Control Relays 1,091 All Civils Cable Tunnels

17 SCHEDULE 9C REPORT ON OVERHEAD LINES AND UNDERGROUND CABLES

	Company Name		Powerco Limited	
	For Year Ended		31 March 2015	
	Network / Sub-network Name		Powerco Limited	
SCHI	EDULE 9c: REPORT ON OVERHEAD LINES AND UNDERGROUND CABLES			
	hedule requires a summary of the key characteristics of the overhead line and underground cable network. All units relating lengths.	to cable and line as:	sets, that are express	ed in km, refer to
9				Total circuit length
10	Circuit length by operating voltage (at year end)	Overhead (km)	Underground (km)	(km)
1	>66kV	- 100		-
2	50kV & 66kV 33kV	163	142	169
!3 !4	SWER (all SWER voltages)	1,343	142	1,48-
15	22kV (other than SWER)	122	1	12
16	6.6kV to 11kV (inclusive—other than SWER)	14.643	1.944	16,58
17	Low voltage (< 1kV)	5,439	3,945	9,38
.8	Total circuit length (for supply)	21,795	6,037	27,83
9	or the property	,		***
20	Dedicated street lighting circuit length (km)	1,077	1,660	2,73
12	Circuit in sensitive areas (conservation areas, iwi territory etc) (km)			_
			(% of total	
23	Overhead circuit length by terrain (at year end)	Circuit length (km)	overhead length)	
4	Urban	2,484	11%	
5	Rural	7,802	36%	
6	Remote only	_	-	
7	Rugged only	11,192	51%	
28	Remote and rugged	318	1%	
29	Unallocated overhead lines	-	-	
10	Total overhead length	21,795	100%	
32		Circuit length (km)	(% of total circuit length)	
33	Length of circuit within 10km of coastline or geothermal areas (where known)	11,000	40%	
34		Circuit length (km)	(% of total overhead length)	
	Overhead circuit requiring vegetation management	21,795	100%	

	Company Name		Powerco Limited	ı
	For Year Ended		31 March 2015	
	Network / Sub-network Name		Western Region	
CCUE	DULE 9c: REPORT ON OVERHEAD LINES AND UNDERGROUND CABLES			
inis sch circuit l	edule requires a summary of the key characteristics of the overhead line and underground cable network. All units relating engths.	to cable and line as:	sets, that are express	ed in km, refer to
				
ch ref				
l				
9				
				Total circuit length
10	Circuit length by operating voltage (at year end)	Overhead (km)	Underground (km)	(km)
11	>66kV	_	_	-
12	50kV & 66kV	_	_	-
13	33kV	961	67	1,02
14	SWER (all SWER voltages)	17	_	1
15	22kV (other than SWER)	122	1	12
16	6.6kV to 11kV (inclusive—other than SWER)	10,002	692	10,69
17	Low voltage (< 1kV)	3,469	2,118	5,58
18	Total circuit length (for supply)	14,571	2,878	17,449
19				
20	Dedicated street lighting circuit length (km)	753	590	1,34
21	Circuit in sensitive areas (conservation areas, iwi territory etc) (km)			_
22			(% of total	
23	Overhead circuit length by terrain (at year end)	Circuit length (km)	overhead length)	
24	Urban	1,588	11%	
25	Rural	4,383	30%	
26	Remote only	,505	-	
27	Rugged only	8,282	57%	
28	Remote and rugged	318	2%	
29	Unallocated overhead lines	-	_	
30	Total overhead length	14,571	100%	
31	······································		20070	
			(% of total circuit	
32		Circuit length (km)	length)	
33	Length of circuit within 10km of coastline or geothermal areas (where known)	5,283	30%	
			(% of total	
34		Circuit length (km)	overhead length)	
34				

	Company Name		Powerco Limited	l
	For Year Ended		31 March 2015	
	Network / Sub-network Name		Eastern Region	
CULE	DULE 9c: REPORT ON OVERHEAD LINES AND UNDERGROUND CABLES			
inis sch circuit l	edule requires a summary of the key characteristics of the overhead line and underground cable network. All units relating engths.	to cable and line as:	sets, that are express	ed in km, reier to
				
ch ref				
9				
				Total circuit length
10	Circuit length by operating voltage (at year end)	Overhead (km)	Underground (km)	(km)
11	>66kV		_	-
12	50kV & 66kV	163	6	169
13	33kV	382	74	45
14	SWER (all SWER voltages)	69	_	6
15	22kV (other than SWER)	_	_	-
16	6.6kV to 11kV (inclusive—other than SWER)	4,641	1,252	5,89
17	Low voltage (< 1kV)	1,970	1,827	3,79
18	Total circuit length (for supply)	7,224	3,159	10,38
19				
20	Dedicated street lighting circuit length (km)	325	1,070	1,394
21	Circuit in sensitive areas (conservation areas, iwi territory etc) (km)			_
22			(% of total	
23	Overhead circuit length by terrain (at year end)	Circuit length (km)	overhead length)	
24	Urban	896	12%	
25	Rural	3,419	47%	
26	Remote only	_	-	
27	Rugged only	2,909	40%	
28	Remote and rugged	_	-	
29	Unallocated overhead lines	_	ı	
30	Total overhead length	7,224	100%	
31				
			(% of total circuit	
32		Circuit length (km)	length)	
33	Length of circuit within 10km of coastline or geothermal areas (where known)	5,716	55%	
			(% of total	
34		Circuit length (km)	overhead length)	

18 SCHEDULE 9D: EMBEDDED NETWORKS

			Company Name	Powerco	Limited
			For Year Ended	31 Marc	ch 2015
					,
		ORT ON EMBEDDED NETWORKS			
This	schedule requires informa	ation concerning embedded networks owned by an EDB that are embedded in another EDB's networ	k or in another embedd	ed network.	
sch re	f				
Janre					
8	Locati	ion*		Number of ICPs served	Line charge revenue (\$000)
9				Transcr or ici o screek	(\$000)
10					
11					
12					
13					
14					
15					
16					
17					
18					
19					
20					
21					
22 23					
24					
25					
23	* 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 ano	ther embedded
26	network				

Powerco has no networks embedded in another network

19 SCHEDULE 9E:

NETWORK DEMAND

	Company Name	Powerco Limited
	For Year Ended	31 March 2015
	Network / Sub-network Name	Powerco Limited
HEDUL	E 9e: REPORT ON NETWORK DEMAND	
schedule r	equires a summary of the key measures of network utilisation for the disclosure year (number of new co	onnections including
	eration, peak demand and electricity volumes conveyed).	
;		
9e(i	: Consumer Connections	
	Number of ICPs connected in year by consumer type	
	Consumer types defined by EDB*	Number of connections (ICPs)
	Residential & Small Commercial	3,813
	Commerical	41
	Industrial	21
	* include additional rows if needed	
	Connections total	3,875
	Distributed generation	
	Number of connections made in year	303 connections
	Capacity of distributed generation installed in year	2.20 MVA
9e(i	i): System Demand	
		Demand at time of
		maximum
		coincident demand (MW)
	Maximum coincident system demand	
	GXP demand	778
pl		82 860
le	Maximum coincident system demand ss Net transfers to (from) other EDBs at HV and above	800
70	Demand on system for supply to consumers' connection points	860
	The state of the s	
	Electricity volumes carried	Energy (GWh)
	Electricity supplied from GXPs	4,423
le	ss Electricity exports to GXPs	289
pl		581
le	Net electricity supplied to (from) other EDBs	4,715
la	Electricity entering system for supply to consumers' connection points State of the system for supply to consumers' connection points State of the system for supply to consumers' connection points	4,473
ie	Electricity losses (loss ratio)	242 5
	,	
	Load factor	0.63
o /:		
9e(i	ii): Transformer Capacity	(2000)
		(MVA)
	Distribution transformer capacity (EDB owned)	3,019
	Distribution transformer capacity (Non-EDB owned, estimated) Total distribution transformer capacity	3,133
	rotal distribution transionner capacity	3,133
	Zone substation transformer capacity	2,000
	Zone substitution transformer capacity	2,000

	Company Name	Powerco Limited
	For Year Ended	31 March 2015
	Network / Sub-network Name	Western Region
HEI	DULE 9e: REPORT ON NETWORK DEMAND	
sche	dule requires a summary of the key measures of network utilisation for the disclosure year (number of new co	onnections including
	ed generation, peak demand and electricity volumes conveyed).	ŭ.
_		
f		
	9e(i): Consumer Connections	
	Number of ICPs connected in year by consumer type	
		Number of
	Consumer types defined by EDB*	connections (ICPs)
	Residential & Small Commercial	1,456
	Commerical	4
	Industrial	9
	* include additional rows if needed	
	Connections total	1,469
	Connections total	1,405
	Distributed generation	
	Number of connections made in year	172 connections
	Capacity of distributed generation installed in year	1.67 MVA
	9e(ii): System Demand	
		Demand at time of
		maximum
		coincident demand
	Maximum coincident system demand	(MW)
	GXP demand	388
	plus Distributed generation output at HV and above	24
	Maximum coincident system demand	412
	less Net transfers to (from) other EDBs at HV and above	_
	Demand on system for supply to consumers' connection points	412
	Electricity volumes carried	Energy (GWh)
	Electricity supplied from GXPs	1,990
	less Electricity exports to GXPs	23
	plus Electricity supplied from distributed generation	416
	less Net electricity supplied to (from) other EDBs	_
	Electricity entering system for supply to consumers' connection points	2,383
	less Total energy delivered to ICPs	2,237
	Electricity losses (loss ratio)	146 6.
	Load factor	0.66
	Load factor	0.66
	9e(iii): Transformer Capacity	
	January Common Supurity	(MVA)
	Distribution transformer canasity (EDR owned)	
	Distribution transformer capacity (EDB owned) Distribution transformer capacity (Non-EDB owned, estimated)	1,553 73
	Total distribution transformer capacity	1,626
	Total distribution cransformer capacity	1,020
	Zona substation transformer canacity	1,051
	Zone substation transformer capacity	1,051

Company Name	Powerco Limited
For Year Ended	31 March 2015
Network / Sub-network Name	Eastern Region
DULE 9e: REPORT ON NETWORK DEMAND	
edule requires a summary of the key measures of network utilisation for the disclosure year (number of new co	nnections including
ted generation, peak demand and electricity volumes conveyed).	
Number of ICPs connected in year by consumer type	
Consumer times defined by EDD*	Number of connections (ICPs)
	2,357
	37
Industrial	12
* include additional rows if needed	
Connections total	2,406
Distributed generation	
	131 connections
	0.54 MVA
Capacity of distributed generation instance in year	0.34
9e(ii): System Demand	
	Demand at time of
	maximum
	coincident demand
Maximum coincident system demand	(MW)
GXP demand	408
plus Distributed generation output at HV and above	31
Maximum coincident system demand	440
Demand on system for supply to consumers' connection points	440
Electricity volumes carried	Energy (GWh)
	2,433
	266
, · ·	165
less Net electricity supplied to (from) other EDBs	
Electricity entering system for supply to consumers' connection points	2,332
less Total energy delivered to ICPs	2,236
Electricity losses (loss ratio)	97 4.
Load factor	0.61
9e(iii): Transformer Capacity	
Solini, management capacity	(MVA)
Distribution transformer canacity (FDR owned)	1,466
	41
	1,507
and the state of the stat	2,307
	DULE 9e: REPORT ON NETWORK DEMAND edule requires a summary of the key measures of network utilisation for the disclosure year (number of new coted generation, peak demand and electricity volumes conveyed). 9e(i): Consumer Connections Number of ICPs connected in year by consumer type Consumer types defined by EDB* Residential & Small Commercial Commerical Industrial Distributed generation Number of connections made in year Capacity of distributed generation installed in year 9e(ii): System Demand Maximum coincident system demand GXP demand plus Distributed generation output at HV and above Maximum coincident system demand less Net transfers to (from) ther EDBs at HV and above Demand on system for supply to consumers' connection points Electricity volumes carried Electricity supplied from GXPs less Electricity supplied from GXPs less Electricity supplied from GXPs less Net electricity supplied for Gisributed generation less Net electricity supplied to (from) other EDBs Electricity entering system for supply to consumers' connection points less Total energy delivered to ICPs

20 SCHEDULE 10:

RELIABILITY

		Company Name	Powerco Limited	
		For Year Ended	31 March 2015	
		Network / Sub-network Name	Powerco Limited	
HED	ULE 10: REPORT ON NETWORK RELIABILITY			
	ule 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 th
ork re	liability for the disclosure year in Schedule 14 (Explanatory notes to templates). The SAIFI and			
) dete	rmination), and so is subject to the assurance report required by section 2.8.			
	10(i): Interruptions			
	10(1). Interruptions	Number of		
	Interruptions by class	interruptions		
	Class A (planned interruptions by Transpower)	2		
	Class B (planned interruptions on the network)	1,319		
	Class C (unplanned interruptions on the network)	2,760		
	Class D (unplanned interruptions by Transpower)	14		
	Class E (unplanned interruptions of EDB owned generation)	1		
	Class F (unplanned interruptions of generation owned by others)	_		
	Class G (unplanned interruptions caused by another disclosing entity)	_		
	Class H (planned interruptions caused by another disclosing entity)	_		
	Class I (interruptions caused by parties not included above)	475		
	Total	4,571		
	Interruption restoration	≤3Hrs	>3hrs	
	Class Cinterruptions restored within	1,919	841 Tot	tal
	SAIFI and SAIDI by class	SAIFI	SAIDI	
	Class A (planned interruptions by Transpower)	0.02	7.17	
	Class B (planned interruptions on the network)	0.20	46.00	
	Class C (unplanned interruptions on the network)	2.10	231.80	
	Class D (unplanned interruptions by Transpower)	0.18	23.16	
	Class E (unplanned interruptions of EDB owned generation)	0.00	0.06	
	Class F (unplanned interruptions of generation owned by others)	_	_	
	Class G (unplanned interruptions caused by another disclosing entity)	_	_	
	Class H (planned interruptions caused by another disclosing entity)	_	_	
	Class I (interruptions caused by parties not included above)	0.06	13.92	
	Total	2.55	322.1	
	Normalised SAIFI and SAIDI	Normalised SAIFI Norm	nalised SAIDI	
	Classes B & C (interruptions on the network)	2.29	217.65	
		CAN	OI reliability	
	Quality path normalised reliability limit	SAIFI reliability limit	Di reliability limit	
	SAIFI and SAIDI limits applicable to disclosure year*	2.80	210.13	

42	10(ii): Class C Interruptions and Duration	ov Cause	
43	(,	.,	
44	Cause	SAIFI	SAIDI
45	Lightning	0.03	2.53
46	Vegetation	0.34	60.07
47	Adverse weather	0.18	37.40
48	Adverse environment	0.01	0.56
49	Third party interference	0.11	11.12
50	Wildlife	0.13	8.04
51	Human error	0.04	0.32
52	Defective equipment	0.67	81.79
53	Cause unknown	0.58	29.98
54			
	10(:::\- Class B late	h. Mada Fardana at Invalvad	
55	10(iii): Class B Interruptions and Duration	by Iviain Equipment involved	
56 57	Main equipment involved	SAIFI	SAIDI
58	Subtransmission lines	0.00	0.15
59	Subtransmission cables	- 0.00	0.13
60	Subtransmission other		
61		0.16	39.53
62	Distribution lines (excluding LV)	0.00	0.08
63	Distribution cables (excluding LV) Distribution other (excluding LV)	0.00	6.23
03	Distribution other (excluding LV)	0.03	0.23
64	10(iv): Class C Interruptions and Duration	by Main Equipment Involved	
65	, , , , , , , , , , , , , , , , , , , ,	7	
66	Main equipment involved	SAIFI	SAIDI
67	Subtransmission lines	0.61	49.90
68	Subtransmission cables	0.01	2.67
69	Subtransmission other	0.02	0.54
70	Distribution lines (excluding LV)	1.40	173.17
71	Distribution cables (excluding LV)	0.01	1.14
72	Distribution other (excluding LV)	0.05	4.37
	10(v): Fault Rate		
73			
73			
			Circuit length (km)
73	Main equipment involved		
	Main equipment involved Subtransmission lines	149	1,506
74			
74 75	Subtransmission lines	149	1,506
74 75 76 77 78	Subtransmission lines Subtransmission cables	149 2 11 3,349	1,506 147 14,850
74 75 76 77 78 79	Subtransmission lines Subtransmission cables Subtransmission other Distribution lines (excluding LV) Distribution cables (excluding LV)	149 2 11 3,349 18	1,506 147
74 75 76 77 78	Subtransmission lines Subtransmission cables Subtransmission other Distribution lines (excluding LV)	149 2 11 3,349	1,506 147 14,850

Company Name **Powerco Limited** 31 March 2015 For Year Ended Network / Sub-network Name **Western Region SCHEDULE 10: REPORT ON NETWORK RELIABILITY** This schedule requires a summary of the key measures of network reliability (interruptions, SAIDI, SAIFI and fault rate) for the disclosure year. EDBs must provide explanatory comment on their network reliability for the disclosure year in Schedule 14 (Explanatory notes to templates). The SAIFI and SAIDI information is part of audited disclosure information (as defined in section 1.4 of the ID determination), and so is subject to the assurance report required by section 2.8. 10(i): Interruptions Number of Interruptions by class interruptions Class A (planned interruptions by Transpower) 11 Class B (planned interruptions on the network) 12 Class C (unplanned interruptions on the network) 13 Class D (unplanned interruptions by Transpower) 14 Class E (unplanned interruptions of EDB owned generation) 15 Class F (unplanned interruptions of generation owned by others) 16 Class G (unplanned interruptions caused by another disclosing entity) 17 Class H (planned interruptions caused by another disclosing entity) 18 Class I (interruptions caused by parties not included above) 19 Total 20 21 Interruption restoration 22 Class C interruptions restored within 23 24 SAIFI and SAIDI by class SAIFI SAIDI 25 Class A (planned interruptions by Transpower) 0.01 2.37 26 Class B (planned interruptions on the network) 27 Class C (unplanned interruptions on the network) 2.14 210.64 28 Class D (unplanned interruptions by Transpower) 36.63 29 Class E (unplanned interruptions of EDB owned generation) 30 Class F (unplanned interruptions of generation owned by others) 31 Class G (unplanned interruptions caused by another disclosing entity) 32 Class H (planned interruptions caused by another disclosing entity) 33 Class I (interruptions caused by parties not included above) 18.96 34 Total 2.76 317.4 35 Normalised SAIFI and SAIDI Normalised SAIFI 36 Normalised SAIDI 37 Classes B & C (interruptions on the network) 38 39 Quality path normalised reliability limit SAIFI reliability limit limit 40 SAIFI and SAIDI limits applicable to disclosure year* * not applicable to exempt EDBs

42	10(ii): Class C Interruptions and Duration by	Cause	
43			
44	Cause	SAIFI	SAIDI
45	Lightning	0.05	3.90
46	Vegetation	0.23	34.40
47	Adverse weather	0.12	21.35
48	Adverse environment	0.01	1.02
49	Third party interference	0.13	9.25
50	Wildlife	0.16	10.83
51	Human error	0.07	0.23
52	Defective equipment	0.72	91.11
53 54	Cause unknown	0.67	38.54
54			
55	10(iii): Class B Interruptions and Duration by	Main Equipment Involved	
56 57	Main equipment involved	SAIFI	SAIDI
58	Subtransmission lines	0.00	0.13
59	Subtransmission cables	- 0.00	- 0.13
60	Subtransmission other	_	_
61	Distribution lines (excluding LV)	0.17	41.54
62	Distribution cables (excluding LV)	0.00	0.07
63	Distribution other (excluding LV)	0.04	6.95
64 65	10(iv): Class C Interruptions and Duration by		
66	Main equipment involved	SAIFI	SAIDI
67	Subtransmission lines	0.59	25.98
68	Subtransmission cables	0.01	3.58
69	Subtransmission other	0.03	1.00
70	Distribution lines (excluding LV)	1.46	175.87
71	Distribution cables (excluding LV)	0.00	0.55
72	Distribution other (excluding LV)	0.05	3.65
73	10(v): Fault Rate		
74	Main equipment involved	Number of Faults	Circuit length (km)
75	Subtransmission lines	91	961
76	Subtransmission cables	1	67
77	Subtransmission other	8	
78	Distribution lines (excluding LV)	2,330	10,140
79	Distribution cables (excluding LV)	4	693
80	Distribution other (excluding LV)	57	
81	Total	2,491	

Company Name **Powerco Limited** 31 March 2015 For Year Ended Network / Sub-network Name **Eastern Region SCHEDULE 10: REPORT ON NETWORK RELIABILITY** This schedule requires a summary of the key measures of network reliability (interruptions, SAIDI, SAIFI and fault rate) for the disclosure year. EDBs must provide explanatory comment on their network reliability for the disclosure year in Schedule 14 (Explanatory notes to templates). The SAIFI and SAIDI information is part of audited disclosure information (as defined in section 1.4 of the ID determination), and so is subject to the assurance report required by section 2.8. 10(i): Interruptions Number of Interruptions by class interruptions Class A (planned interruptions by Transpower) 11 Class B (planned interruptions on the network) 12 Class C (unplanned interruptions on the network) 13 Class D (unplanned interruptions by Transpower) 14 Class E (unplanned interruptions of EDB owned generation) 15 Class F (unplanned interruptions of generation owned by others) 16 Class G (unplanned interruptions caused by another disclosing entity) 17 Class H (planned interruptions caused by another disclosing entity) 18 Class I (interruptions caused by parties not included above) 19 Total 1,646 20 21 Interruption restoration 22 Class C interruptions restored within 23 24 SAIFI and SAIDI by class SAIFI SAIDI 25 Class A (planned interruptions by Transpower) 0.04 12.82 26 Class B (planned interruptions on the network) 27 Class C (unplanned interruptions on the network) 2.04 256.67 28 Class D (unplanned interruptions by Transpower) 29 Class E (unplanned interruptions of EDB owned generation) 30 Class F (unplanned interruptions of generation owned by others) 31 Class G (unplanned interruptions caused by another disclosing entity) 32 Class H (planned interruptions caused by another disclosing entity) 33 Class I (interruptions caused by parties not included above) 34 Total 2.30 327.6 35 Normalised SAIFI and SAIDI Normalised SAIFI 36 Normalised SAIDI 37 Classes B & C (interruptions on the network) 211.3 38 39 Quality path normalised reliability limit SAIFI reliability limit limit 40 SAIFI and SAIDI limits applicable to disclosure year* * not applicable to exempt EDBs

42	10(ii): Class C Interruptions and Duration by C	ause	
43			
44	Cause	SAIFI	SAIDI
45	Lightning	0.01	0.91
46	Vegetation	0.47	90.24
47	Adverse weather	0.26	56.27
48	Adverse environment	0.00	0.02
49	Third party interference	0.10	13.32
50	Wildlife	0.10	4.76
51	Human error	0.02	0.42
52	Defective equipment	0.61	70.83
53 54	Cause unknown	0.47	19.90
54			
55	10(iii): Class B Interruptions and Duration by	Main Equipment Involved	
56 57	Main equipment involved	SAIFI	SAIDI
58	Subtransmission lines	0.00	0.18
59	Subtransmission cables	-	-
60	Subtransmission other	_	_
61	Distribution lines (excluding LV)	0.15	37.17
62	Distribution cables (excluding LV)	0.00	0.10
63	Distribution other (excluding LV)	0.02	5.40
64 65	10(iv): Class C Interruptions and Duration by		
66	Main equipment involved	SAIFI	SAIDI
67	Subtransmission lines	0.63	78.03
68	Subtransmission cables	0.02	1.60
69	Subtransmission other	0.00	0.00
70	Distribution lines (excluding LV)	1.33	169.99
71	Distribution cables (excluding LV)	0.02	1.82
72	Distribution other (excluding LV)	0.05	5.23
73	10(v): Fault Rate		
74	Main equipment involved	Number of Faults	Circuit length (km)
75	Subtransmission lines	58	545
76	Subtransmission cables	1	80
77	Subtransmission other	3	
78	Distribution lines (excluding LV)	1,019	4,709
79	Distribution cables (excluding LV)	14	1,252
80	Distribution other (excluding LV)	51	
81	Total	1,146	

21 SCHEDULE 14 MANDATORY EXPLANATORY NOTES

Schedule 14 contains mandatory explanatory notes required by the IDD. All clause references refer to the IDD.

21.1 Return on investment (Schedule 2)

This comment must include information on reclassified items in accordance with clause 2.7.1(2).

Powerco has restated the return on investment results for prior years in Schedule 2 to reflect the requirements in the amended Information Disclosure Determination issued in 2015 and using the calculation workbook provided by the Commerce Commission.

Our disclosed ROI under both a Vanilla and Post tax approach for 2015 is lower than 2014 primarily as a result of lower CPI.

21.2 Regulatory profit (Schedule 3)

This comment includes—

- a) a description of material items included in other regulated income (other than gains / (losses) on asset disposals), as disclosed in 3(i) of Schedule 3
- b) information on reclassified items required by subclause 2.7.1(2).

Regulatory profit for the year to 31 March 2015 is in line with expectations.

Other regulated income is largely income received to reimburse Powerco's operational costs that arise from network damage caused by a third party (e.g. income received from insurers or directly from the third parties). This amount varies between years as Powerco has no control over the events that lead to this income.

There have been no reclassified items.

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

Information on merger and acquisitions expenditure during the disclosure year is provided below and includes—

- a) information on reclassified items required by subclause 2.7.1(2);
- b) any other commentary on the benefits of the merger and acquisition expenditure to the EDB.

No merger and acquisition expenditure has been incurred during the disclosure year.

21.4 Value of the regulatory asset base (Schedule 4)

The comments below refer to the value of the regulatory asset base (rolled forward) in Schedule 4 and include information on reclassified items required by subclause 2.7.1(2).

The Regulatory Asset Base (RAB) has increased by \$36.9m during the 2015 disclosure year. This increase was lower than 2014 primarily due to the lower revaluation rate in 2015 compared to 2014.

There have been no reclassified items in 2014.

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

This narrative provides descriptions and workings of the material items recorded in the following asterisked categories in 5a(i) of Schedule 5a—

- a) income not included in regulatory profit / (loss) before tax but taxable;
- b) expenditure or loss in regulatory profit / (loss) before tax but not deductible;
- c) income included in regulatory profit / (loss) before tax but not taxable;
- d) expenditure or loss deductible but not in regulatory profit / (loss) before tax.

\$0.151m of expenditure in regulatory profit but not deductible for tax related to entertainment expenditure.

\$1.198m of income in regulatory profit but not taxable was the revaluation of RAB

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

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

Temporary differences amount to \$793,000 (\$222,000 tax affected) and relate to—

- the provisions for employee entitlements \$939,000
- contractor provisions (\$131,000)
- ACC provisions (\$15,000)

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

Related party transactions beyond those disclosed on schedule 5b are described below. These include identification and descriptions of the nature of directly attributable costs disclosed under subclause 2.3.6(1)(b).

There are no further related party transactions, other than those disclosed in schedule 5b

21.8 Cost allocation (Schedule 5d)

Comments on cost allocation as disclosed in Schedule 5d are set out below, including information on any reclassified items in accordance with subclause 2.7.1(2).

Powerco has adopted a fully distributed cost approach to allocate shared costs and shared assets between Powerco's gas distribution business and electricity distribution business.

Costs have been allocated on the following basis:

- direct allocation of all components of financial statement items which are directly attributable to the specific business; and
- for any components of financial statement items that are not directly attributable to a
 specific business, costs have been allocated between the businesses using allocators
 that are based on key cost drivers such as directly allocated revenue, employee
 numbers and the carrying value of network fixed assets.

Powerco has refined the cost allocators applied to its disclosure accounts and, where possible, has allocated shared service costs at a greater level of disaggregation than in the 2014 disclosure year. This allows for the use of more causal allocators. Further information on the change in allocators and the effect of this change on the disclosure accounts is provided in schedule 5d.

21.9 Asset allocation (Schedule 5e)

Comments on asset allocation as disclosed in Schedule 5e are set out below, including information on any reclassified items required by subclause 2.7.1(2).

Non-network assets have been allocated to the regulatory asset base (RAB) based on the split of accounting net book value between the electricity and gas businesses.

There have been no reclassifications in the period reported.

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

The box below includes comment on expenditure on assets for the disclosure year, as disclosed in Schedule 6a. This comment includes—

- a) a description of the materiality threshold applied to identify material projects and programmes described in Schedule 6a;
- b) information on reclassified items required by subclause 2.7.1(2).
- a) In addition to the programmes outlined in previous AMPs, a material project is defined as any project where
 - Quality of Supply projects where the value of the project exceeds 5% of the expenditure category's total value;
 - Asset Relocations projects where the total value of the project exceeds \$100k;
 - Other Reliability, Safety and Environment projects or programmes where expenditure exceeds \$150k;and,
 - Non-network expenditure programmes exceeding \$300k.
- b) Powerco has reclassified one item of capital expenditure in FY15. As required under 2.7.2 of the 2012 information disclosure determination, we provide the following information.
 - The item of expenditure is the Taihape Substation installation and substation improvement works.
 - Taihape Substation transformer installation and substation improvement works were reclassified in FY15 as the primary driver of the substation work was growth capex. This reclassification moved \$532k of FY13 expenditure and \$6k of FY14 expenditure from Quality of Supply and \$80k of FY14 Other Reliability, Safety and Environment expenditure all to growth capex.
 - The value reported for the item in FY15 is \$669k in Growth capex. The
 expenditure reported in this category relates entirely to the transfer from
 Quality of Supply and Other Reliability, Safety and Environment cost
 categories in FY15.
 - This item was reclassified to align all costs to the network growth category as this is the primary driver of the substation work.

Further information is provided in section 21.12

21.11 Operational expenditure for the disclosure year (Schedule 6b)

The box below contains commentary on operational expenditure for the disclosure year, as disclosed in Schedule 6b. This includes—

- a) commentary on assets replaced or renewed by way of asset replacement and renewal operational expenditure, as reported in 6b(i) of Schedule 6b;
- b) information on reclassified items required by subclause 2.7.1(2);
- c) commentary on any material atypical expenditure included in operational expenditure disclosed in Schedule 6b, including the value of the expenditure, the purpose of the expenditure, and the operational expenditure categories the expenditure relates to.

Operational expenditure ("opex") in the disclosure year has decreased by 3% compared to that reported for the 2014 disclosure year. Most of the movement is attributable to decreases in network operating expenditure as Powerco has entered into a new service level agreement in this period achieving some cost savings.

Information on operational expenditure required by points a, b and c is provided below:

Asset replacement

Asset replacement and renewal opex is primarily driven by asset replacement following storms and correcting defects. For example, contributing to expenditure in this category for FY15 was—

- a large storm in May 2014 which affected areas around Masterton and Palmerston North, costing \$377k in asset replacement and renewal opex.
- a 33kV insulator replacement programme in Whanganui at a cost of \$188k.

Reclassified items

A prior period project was reclassified from asset replacement and renewal to asset replacement and renewal opex during FY15. This project entailed the replacement of subtransmission line component items in the Coromandel Valley area, with a cost of \$143k. It was reclassified to opex after detailed scoping revealed the cross-arms (a capital item) did not require replacement. This resulted in a change in scope for the project to insulator replacement. Replacement of a component item is considered a maintenance activity by Powerco.

Material atypical expenditure

There have been no items of atypical expenditure.

Further information regarding opex expenditure for the disclosure year is contained in section 21.12

21.12 Variance between forecast and actual expenditure (Schedule 7)

This section comments on the variance between actual and forecast expenditure for the disclosure year, as reported in Schedule 7. This comment includes information on reclassified items required by subclause 2.7.1(2).

Total reported "Expenditure on assets (7(ii))" and "Operational Expenditure (7(iii))" is in line with the forecasts provided in the Electricity 2014 Asset Management Plan ("AMP"). Some movement of expenditure between categories has occurred. The reasons for variances are noted briefly below:

7(ii) Expenditure on Assets

Powerco continues to manage its actual expenditure in line with total forecast expenditure in the AMP. Actual expenditure on assets was \$119.8m for FY15 compared to the 2014 AMP forecast of \$119.4m.

Commentary is provided for each category showing a forecast to actual variance greater than 5% (subject to being material in dollar terms).

The variances noted in this disclosure are considered routine, and in line with the level of variance to be expected given the scale of Powerco's operations and normal delivery uncertainties. In particular they relate to the following:

- Variances in the physical timing of works (between years) reflecting the uncertain timing associated with land and land access discussions;
- Variances in work volumes and final cost of projects as a result of detailed design and optimisation of delivery in the field;
- Variances in the volume of customer related works, based on in the year customer; and requirements; and
- Variations of expenditure between categories to align with Commission guidance based on detailed review of the focus and delivery mix for each project.

Consumer connection

Consumer connection expenditure exceeded the forecast by \$9.0m (53%). All consumer types (small, commercial and industrial) had higher than forecast customer demand for expenditure as follows:

- There were more residential consumer connections due to subdivision growth (in Tauranga in particular) than initially forecast.
- Commercial expenditure was somewhat higher than forecast due to small commercial upgrades such as those to dairy farms and cool stores.
- Industrial consumer connection expenditure was \$7m higher than forecast primarily due to higher than anticipated load growth in the dairy sector. .

Note this increase in expenditure is partially offset by the corresponding increase in Capital

contributions shown in "Expenditure on assets 6a(i)".

System growth

System growth expenditure is less than forecast by \$1.6m (6%). This is primarily due to the delayed purchase of the Hinuera Spur Line from Transpower. Transfer was originally anticipated to be in FY15, but is now forecast for FY17. Had the transfer occurred as previously forecast, system growth expenditure would have been in line with forecast.

Asset replacement and renewal

Capital expenditure on asset replacement and renewal exceeded the forecast by \$2.9m (7%). \$2.5m of this variance related to the reclassification of projects forecast to fall into the Reliability Safety and Environment category being determined as more appropriately being recorded as asset replacement and renewal based on detailed evaluation of project scope and drivers.

Powerco note that there is a degree of discretion involved in allocating the value of works where they have more than one driver (for example line condition upgrades targeted at improving reliability) and so a degree of project reallocation is to be expected based on detailed review of project scope and drivers as part of the project scoping stage.

Reliability, Safety and Environment

Total capital expenditure on Reliability, safety and environment was \$7.2m (35%) lower than forecast relating to the following key areas:

- Reclassification of \$2.5m of projects anticipated to fall within the RSE category, but confirmed as more appropriately falling into the asset replacement and renewal category to better align with disclosure requirements (see comments in the asset replacement and renewal section above).
- Delays to a number of quality of supply projects (to the value of \$1.1m) as a result of delays in progressing land access and consenting. These were the Paeroa to Kerepehi 33kV line, the Kopu to Kaueranga 110kV line and the Whangamata 33kV second line.
- Delays in the progression of the Putaruru GXP project, due to slower than anticipated progress with land access negotiations resulted in the deferment of \$3.6m in this period. Commissioning is now anticipated during FY18.
- There were also some reclassification of projects within Reliability Safety and the Environment categories. The changes were made to ensure accurate alignment of expenditures to information disclosure requirements.

Non-network Capex

Expenditure in this category was \$2.7m (38%) under that forecast for the period. The variance resulted primarily from:

- The upgrade of the network Operations Centre and Data Centre project forecast to incur \$1.66m of costs in FY15 has been deferred to FY16 and FY17;
- Several information systems projects undertaken in FY15 were more resource

intensive than originally forecast. This resulted in delays to other delays to other planned information services projects; and

 Costs associated with a customer works management system were originally forecast as capex, but eventuated as opex. Costs were transferred to opex in FY15.

7(iii) Operational Expenditure

Actual expenditure of \$65.5m was in line with the target for the year with some normal variances evident. The following commentary is provided for each category where the variance against target exceeds 5% (subject to the difference being material in dollar terms).

Asset replacement and renewal

Asset replacement and renewal opex expenditure was \$1.1m (13%) less than forecast, noting that this volume was more than offset by increased replacement and renewal capex expenditure. It is the nature of replacement and renewal that natural variances occur between opex and capex depending on the particular mix of work completed in any given year.

Non-network opex

Powerco's total non-network operational expenditure in this disclosure period is very close (within 1%) of our forecast in the 2014 AMP, noting some variances at a subcategory level. (System Operation and Network support category is \$2.5m below forecast, whilst expenditure in the business support category is \$2.0m above that forecast)

The new IDD reporting definitions, introduced for the first time as part of the 2014 disclosure had required two of Powerco's business units to change their regulatory classification in the 2014 disclosure statements. The forecast provided in the 2014 AMP recognised the changed classifications but over-estimated the effect on the movement of costs from Business Support to System operations and Network Support. This resulted in the forecast for Business Support expenditure being understated in the 2014 AMP and the expenditure expected in the System Operation and Network Support category being overstated.

21.13 Information relating to revenue and quantities for the disclosure year

Commentary should be provided that gives:

- a) a comparison of the target revenue disclosed before the start of the disclosure year, in accordance with clause 2.4.1 and subclause 2.4.3(3) against total billed line charge revenue for the disclosure year, as disclosed in Schedule 8; and
- b) explanatory comment on reasons for any material differences between target revenue and total billed line charge revenue.

Powerco's revenue for FY15 was \$367,197k compared to the targeted revenue of \$369,098k. This lower revenue than forecast reflects the lower than forecast electricity supplied to consumers for the period. In the FY14 AMP, Powerco estimated 4,596GW of energy would be delivered to consumers, this compared to the 4,473GW actually delivered in FY15.

While Powerco had strong growth on its network during FY15 as explained in the capital expenditure note above [refer to section 21.12] average household electricity demand has flattened and peak energy needs have risen. This is due to consumers investing more in energy efficient technologies and deciding how to better use energy in their homes.

21.14 Network reliability for the disclosure year (Schedule 10)

The box below contains commentary on network reliability for the disclosure year, as disclosed in Schedule 10.

In 2015 Powerco exceeded the regulatory SAIDI reliability limit by 7.51 minutes (3.5%). This is the first time Powerco has exceeded the SAIDI limit since 2011. Our 2015 Electricity Default Price-Quality Path Disclosure provides detailed commentary on the reasons for this outcome.

The final SAIDI result for the disclosure period was 277.79 minutes. The normalised SAIDI result, after adjusting for major event days, was 217.65 minutes. This is above the SAIDI limit under the DPP of 210.13 minutes.

The normalised results

Schedule 10 reports the reliability limits established under the DPP for Powerco Limited and the normalised SAIDI and SAIFI results for Powerco Limited and each of the company's subnetworks.

When calculating the normalised SAIDI and SAIFI for the sub-networks for the purposes of Information Disclosure, Powerco has derived normalised datasets for each sub-network using boundary values calculated using the reference dataset (2005-2009 disclosure years) for each sub-network. This approach follows one of the two options provided by the Commerce Commission in its Issues Register for Electricity and Gas Information Disclosure (refer #231). Powerco has chosen this option as we consider it provides a more meaningful analysis of the actual performance of each sub-network than the alternative option of applying a Powerco wide network boundary value to the sub-networks.

21.15 Insurance cover

Details of insurance cover for the assets used to provide electricity distribution services are given below, including—

- a) the EDB's approaches and practices in regard to the insurance of assets used to provide electricity distribution services, including the level of insurance;
- b) in respect of any self-insurance, the level of reserves, details of how reserves are managed and invested, and details of any reinsurance.

Powerco holds significant insurance cover relating to material damage and business interruption, targeted at key assets. This includes full cover for buildings and contents, substations and IS server equipment, and natural disaster cover for distribution transformers and SCADA equipment.

Powerco's insurance strategy strikes a balance between providing the benefit to its customers of accessing material damage insurance cover that is available, and the practical imperative of managing the associated cost burden to customers. Cover for poles, wires and pipes (commonly referred to as transmission and distribution cover) is for all practical purposes unavailable in NZ. Where it may be available in small amounts in our geographic region the cost is uneconomic to our customers, as there is a restricted retained limit and a premium cost of 10-15% of the sum insured.

To manage Powerco's exposure to a catastrophic event affecting its uninsured assets, the company maintains headroom in its debt facilities as explained below. The geographically diverse nature of Powerco's assets, and the resilience of those assets, also provides some practical mitigation of seismic risks.

Powerco maintains debt facilities, in excess of net (drawn) debt, that would be available for use should events occur which require extra funds to be made available quickly. This headroom amount is in excess of our day-to-day working capital requirements.

The value of this facility headroom, currently \$70 million, is partly based on an assessment of the uninsured damage to Powerco's network assets undertaken by Marsh Risk Consulting. This analysis reviewed the catastrophic risk and expected loss from a catastrophic event, and was last assessed at \$50-70 million.

The cost of maintaining this debt facility headroom equates to approximately \$260,000 per annum.

Powerco's regulatory framework under Part 4 of the Commerce Act also allows for the recovery, subject to Commission approval, of prudent, unforeseen costs associated with a catastrophic event, via the Customised Price Quality Path ("CPP") provisions contained within Part 4 of the Commerce Act.

Insurance costs are allocated to Powerco's separate businesses following Powerco's allocation policies discussed earlier in this document.

21.16 Amendments to previously disclosed information

This section provides information about amendments to previously disclosed information disclosed in accordance with clause 2.12.1 in the last 7 years, including:

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

There have been no amendments to previously disclosed information.

22 SCHEDULE 15 VOLUNTARY EXPLANATORY NOTES

This section includes notes, which supplement the mandatory notes set out in Schedule 14 and provide additional information to aid understanding of the required disclosure schedules.

22.1 Financial Schedules

Debt Issuance Costs

Debt issuance costs have been included when calculating the assumed cost of debt in Schedule 2.

Other recoverable costs excluding financial incentives and wash-up's

Other recoverable costs included in pricing in FY15 include—

- Transmission costs avoided as a result of Powerco having purchased transmission assets at Moturoa from Transpower; and
- Claw-back as prescribed in schedule 1E of the 2012 Default Price Quality Path and reflects an under-recovery of allowable revenue in prior years.

Weighted average remaining useful lives (Schedule 4)

The weighted average remaining useful life of assets has been calculated in accordance with Schedule 16 of the IDD which specifies the weighting be based on opening RAB values. Opening RAB is a depreciated value resulting on a skewing of the weighted average remaining useful life value towards the newer, and consequently, higher value longer remaining life assets. This measure is not a true reflection of the age of Powerco's assets.

Overhead to underground conversion (Schedule 6a)

Powerco does not collect information separately where the conversion from overhead line to underground cable forms part of a larger project. The capital expenditure for this metric reported in schedule 6a is for those projects that are only converting overhead distribution to underground.

22.2 Billed Quantities and Revenues (schedule 8)

Billed quantities

Powerco operates an ICP (individual connection point) pricing methodology for the Eastern network and a GXP (grid exit point) pricing methodology for the Western region. Schedule 8 requires the reporting of energy delivered to ICPs and also the billed quantities by price component.

Under the GXP pricing methodology, the actual energy delivered to ICPs differs from the chargeable kWh quantities detailed in the billed quantities section of Schedule 8, which are based on GXP quantities delivered.

Powerco's Western Region uses volumes reconciled at each GXP to determine billable charges. Consequently, Powerco does not hold information on the energy delivered to ICPs for the Western Region. Powerco has obtained retailer submission data from the Reconciliation Manager to complete this metric.

Consumer types

The IDD permits Powerco to define the appropriate consumer types that are typical of the consumers connected to our network.

Powerco has three major types of consumer groups:

- 1. residential/small commercial;
- 2. commercial; and
- 3. Industrial.

The Industrial consumer group is further separated into those on standard and non-standard contracts

Table Two illustrates the application of these consumer groups to our pricing groups for the 2015 disclosure.

Table 2: Price groups assigned to consumer types.

Consumer type	Eastern Region price categories	Western Region price categories
Residential/Small Commercial	0 – 69 kVA (V01, V02, V05, V06, T01, T02, T05 and T06)	0 – 100 kVA (E1)
Commercial	69 – 299 kVA (V24, V28, T22, T24, T41)	100 – 299 kVA (E100)
Large commercial / Industrial (standard)	≥300 kVA (T43)	≥300 kVA (E300)
Large commercial / Industrial (non-standard)	≥300 kVA (T50, T60, V40, V60)	≥300 kVA (SPECIAL)

ICP numbers

When reporting Powerco's ICPs, Powerco has included ready, inactive and active ICPs in the disclosed number.

22.3 Asset Information (Schedules 9a-9c)

Sources of information

Powerco's network is made up of fifteen discrete, legacy lines networks that have been amalgamated over time. This diversity of networks has created on-going data and systems integration and improvement challenges for Powerco.

Powerco has invested in both systems and data cleansing programmes over the past decade to help align and cleanse the data, resulting material improvements in the quality and completeness of our asset related data sets over time.

Whilst we believe that the quality of our data is now adequate for business purposes, and in line with the levels of quality available by other electricity distributors, there are some limitations to our current data set as set out in Schedule 9a; key points are noted as follows:

- The underlying GIS data comprises a comprehensive set of network information that is generally complete and consistently applied. However, a small proportion of the asset data is either internally conflicting or not wholly reliable and, for a small number of asset categories, there are also gaps in the attribute information.
- The asset age profile (Schedule 9b) includes some default ages in each asset class. For some asset classes (particularly poles and switches), an installation date estimate has been made at some time after the initial data capture. While based on the best information available, these estimates are bound to contain some inaccuracies.
- Ongoing programmes of work are underway to improve the quality of installation date information. In 2015, unknown conductor dates were reviewed and where necessary, the commissioning dates were inferred from associated poles or adjacent conductor

Network Asset Classification

The programmes we have put in place to ensure on-going improvement of asset data over time, as well as the process of clarification used by the Commission to ensure data is calculated on a consistent basis between companies, means that from time to time we recategorise small numbers of assets to reflect the latest guidance and latest available data.

The key refinements for 2015 are set out below:

Table Two: changes in asset classification

Asset Category	Asset Class	Reason for change
Zone substation switchgear	33kV Switch (Ground Mounted)	
Zone substation switchgear	33kV RMU	Some assets previously classified as individual ground mounted switches have been reclassified
Distribution switchgear	3.3/6.6/11/22kV Switch (ground mounted) - except RMU	as ring main units as rules defining RMU composition have been refined in the AMT.
Distribution switchgear	3.3/6.6/11/22kV RMU	
Distribution Transformer	Voltage regulators	Powerco asset information systems record voltage regulator tanks as separate assets, and this is how voltage regulators have previously been reported. The approach has changed this year in response to the Commission's issues register item #357 published in April 2014, which suggests that for the purposes of completing schedules 9a, 9b and 12a EDBs should disclose one voltage regulator asset regardless of the tanks associated with that regulator. Spare tanks not installed on the network are reported individually.

Asset Categorisation

Powerco operates network assets that are not specifically noted for inclusion within disclosure asset categories age profile schedules. These assets have been included in the category that most closely relates to the asset type and function. Table three indicates the assets which do not clearly fit in to a specified category and the category to which they have been assigned.

Table Three: asset categorisation

Asset type	Included in	
, '	Asset category	Asset class
Ground mounted 33/66kV fuses	Zone substation switchgear	33kV switch (ground mounted)
Pole mounted 33/66kV fuses	Zone substation switchgear	33kV switch (pole mounted)
33kV reclosers	Zone substation switchgear	22/33kV CB(outdoor)
Reclosers in zone substations	Zone substation switchgear	3.3/6.6/11/22kV CB (pole mounted)
Ground mounted 3.3/6.6/11/22kV fuses	Distribution switchgear	3.3/6.6/11/22kV switch(ground mounted) except RMU
Distribution conversion and SWER isolation transformers	Distribution transformer	Pole mounted transformer
Distribution conversion and SWER isolation transformers	Distribution transformer	Ground mounted transformer
Ground mounted subtransmission switchgear (not in zone substations)	Zone substation switchgear	33kV switch (ground Mounted)
Pole mounted subtransmission switchgear (not in zone substations)	Zone substation switchgear	33kV switch (pole Mounted)
Protection system pilots	Not included ¹	Not included

¹ Refer to the information disclosure determination issues register published by the Commerce Commission

Service Connections

Service connections are calculated for Schedules 9a and 9b based on the guidance provided by the Commerce Commission in their issues register for electricity and gas businesses. Clarifications provided have enabled our analysis to be refined, resulting in inclusion of a higher number of assets than previously accounted for.

For completeness we note that streetlight connections are not considered a service connection.

SCADA and Communications equipment operating as a single system

During 2015, migration of Western network SCADA to the OSI system was completed. The entire Powerco network now operates from a single SCADA and communications system.

An average installation date has been calculated in response to Commission's issues register item #443.

Circuit length by voltage

The use of more sophisticated calculation tools in support of this disclosure has enabled improved granularity and accuracy of the underlying calculations of circuit length. In particular, it has been possible to define more accurately service lines and service line lengths on Powerco's networks, and exclude them from the calculation of total circuit length as required by the disclosure definition.

Powerco notes that total circuit length has been calculated in accordance with updated disclosure information provided by the Commission. This definition requires low voltage service lines in transport corridors (other than road crossings) to be excluded from the calculation. For completeness Powerco considers that this definition understates the practical circuit length under management by Powerco.

Circuits in sensitive areas

Powerco does not record sensitive area geography. Therefore no circuit length is reported for this criterion.

Circuit length under vegetation management

Powerco's vegetation management policy covers the full overhead electricity network. This strategy involves an intensive trimming period in high criticality areas within existing budgets until the areas are under control and then a reduction to a sustainable level of vegetation management to maintain clearance from the lines.

22.4 Transformer capacity (Schedule 9e)

Distribution transformer capacity

The disclosed Powerco owned distribution transformer capacity includes transformers that are recorded in the GIS as network connected. In accordance with Powerco's operational approach to ownership, transformers with no clear owner (where the GIS ownership field is null or unknown) are included as Powerco owned for disclosure purposes.

Zone substation transformer capacity

Powerco owns transformers provided by various suppliers with ratings calculated at varying temperatures. The capacity reported in the information disclosure uses a standardised rating for continuous operation at 20°C.

22.5 Amendments to formulae in the schedules

There have been no amendments to the templates provided by the Commerce Commission for the 2015 Information Disclosure.

CERTIFICATE FOR YEAR END DISCLOSURES

CERTIFICATE FOR YEAR-END DISCLOSURES

Pursuant to clause 2.9.2 of Section 2.9

We, JOHN LOUGHLIN	
directors of Powerco Limited certify the our knowledge-	at, having made all reasonable enquiry, to the best of
The state of the s	irposes of clauses 2.3.1, 2.3.2, 2.4.21, 2.4.22, 2.5.1, istribution Information Disclosure Determination 2012 ith that determination; and
and 14 has been properly extracted	ne preparation of Schedules 8, 9a, 9b, 9c, 9d, 9e, 10, d from Powerco's accounting and other records financial systems, and that sufficient appropriate
	Mai.
Director	Director
2,103.07	Billostei
26/8/2015.	26/8/15.
Date	Date



INDEPENDENT AUDITOR'S REPORT TO THE DIRECTORS OF POWERCO LIMITED AND THE COMMERCE COMMISSION

Report on the Disclosure Information

We have been engaged by the Board of Directors of Powerco Limited ('the Company') to conduct a reasonable assurance engagement to provide an opinion on whether Schedules 1 to 4, 5a to 5g, 6a and 6b, 7, Schedule 10 sub-schedules (i) to (iv), the explanatory notes disclosed in boxes 1 to 12 of Schedule 14 ('the audited Disclosure Information') of the Company for the disclosure year ended 31 March 2015 have been prepared, in all material respects, in accordance with the Electricity Distribution Information Disclosure Determination 2012 ('the Determination').

Responsibilities of the Board of Directors for the Disclosure Report

The Board of Directors is responsible for the preparation of the Disclosure Information in accordance with the Determination, and for such internal control as the Board of Directors determine is necessary to enable the preparation of the Disclosure information that is free from material misstatement, whether due to fraud or error.

Auditor's responsibility

Our responsibility is to express an opinion on whether the Disclosure Information has been prepared, in all material respects, in accordance with the Determination.

We conducted our engagement in accordance with the International Standard on Assurance Engagements (New Zealand) 3000: Assurance Engagements Other Than Audits or Reviews of Historical Financial Information and the Standard on Assurance Engagements 3100: Compliance Engagements issued by the External Reporting Board.

These standards require that we comply with ethical requirements and plan and perform our audit to provide reasonable assurance about whether the Disclosure Information has been prepared in all material respects in accordance with the Determination.

An audit involves performing procedures to obtain evidence about the amounts and disclosures in the Disclosure Information. The procedures selected depend on the auditor's judgement, including the assessment of the risks of material misstatement of the Disclosure Information, whether due to fraud or error or non-compliance with the Determination. In making those risk assessments, the auditor considers internal control relevant to the Company's preparation of the Disclosure Information in order to design audit procedures that are appropriate in the circumstances, but not for the purpose of expressing an opinion on the effectiveness of the company's internal control.

We believe that the audit evidence we have obtained is sufficient and appropriate to provide a basis for our audit opinion.

Inherent limitations

Because of the inherent limitations in evidence gathering procedures, it is possible that fraud, error or non-compliance may occur and not be detected. As the procedures performed for this engagement are not performed continuously throughout the year and the procedures performed in respect of the Company's compliance with the Determination are undertaken on a test basis, our engagement cannot be relied on to detect all instances where the Company may not have complied with the Determination.

Our opinion has been formed on the above basis.

Independence

Other than in our capacity as auditor, we have no relationship with or interests in the Company. We have complied with the Independent Auditor provisions specified in clause 1.4.3 of the Determination.



Opinion

We have obtained all the information and explanations we have required.

In our opinion;

- As far as appears from an examination of them, proper records to enable the complete and accurate compilation of the audited Disclosure Information for the year ended 31 March 2015 have been kept by the Company;
- The information used in the preparation of the audited Disclosure Information for the year ended 31 March 2015 has been properly extracted from the Company's accounting and other records and has been sourced, where appropriate, from the Company's financial and non-financial systems; and
- The Company has complied with the Determination, in all material respects, in preparing the audited Disclosure Information for the year ended 31 March 2015.

Restriction on Distribution and Use

This report has been prepared for the Directors of the Company and the Commerce Commission in accordance with the reporting requirements of clause 2.8 of the Determination. We accept or assume no duty, responsibility or liability to any other party, other than you, in connection with the report or this engagement including without limitation, liability for negligence in relation to the opinion expressed in our report.

Chartered Accountants

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26 August 2015

Wellington, New Zealand

This audit report relates to the Disclosure Information of Powerco Limited for the disclosure year ended 31 Match 2015 included on Powerco Limited's website. The Board of Directors is responsible for the maintenance and integrity of Powerco Limited's website. We have not been engaged to report on the integrity of the entity's website. We accept no responsibility for any changes that may have occurred to the Disclosure Information since it was initially presented on the website. The audit report refers only to the Disclosure Information named above. It does not provide an opinion on any other information which may have been hyperlinked to/from the Disclosure Information. If readers of this report are concerned with the inherent risks arising from electronic data communication they should refer to the published hard copy of the Disclosure Information and related audit report dated 26 August 2015 to confirm the information included in the audited Disclosure Information presented on this website. Legislation in New Zealand governing the preparation and dissemination of Disclosure Information may differ from legislation in other jurisdictions.

