## **Gas Information Disclosure 2017**

15 MARCH 2018

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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 Gas 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 gas pipeline 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 "gas pipeline services", as defined by section 55A 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 2017 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	Pipeline data
9d	Network demand
10a	Network reliability and interruptions
10b	Network integrity and customer service

The IDD requires that network and billed quantity information be provided separately for each subnetwork of a supplier's network. Powerco has two sub-networks in the North Island; the Central Network and Lower Network. These sub-networks are shown in Map 1.

The following schedules are provided for Powerco Limited, Powerco's Central Network and Powerco's Lower Network:

• Schedule 8 Billed quantities and line charge revenue

Schedule 9a
 Asset register

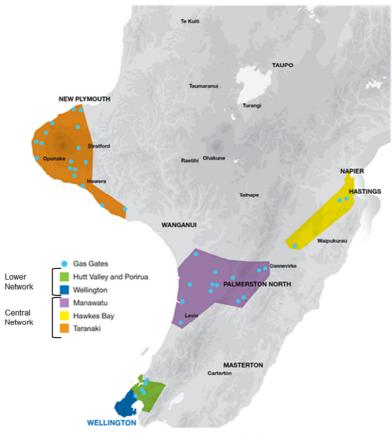
Schedule 9b Asset age profile

Schedule 9c
 Pipeline data

Schedule 9d Network demand

Schedule 10a Network reliability and interruptions

Schedule 10b Network integrity and customer service



Map 1: Powerco's sub-networks

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

Directors' certification of the 2017 information disclosure is provided in section 23 at the end of this document.

## 2. Schedule 1: Analytical Ratios

				Company Name	Pow	erco Limited
				For Year Ended	30 Se	ptember 201
n	HEDULE 1: ANALYTICAL RATIOS schedule calculates expenditure, revenue and service ratios from the information disclosed. The discinerce Commission will publish a summary and analysis of information disclosed in accordance with mation disclosed under the other requirements of the determination. information is part of audited disclosure information (as defined in section 1.4 of the ID determination.	the ID determination	. This will include inf	ormation disclosed	in accordance with this	
2	f					
1	1(i): Expenditure Metrics					
١		Expenditure per TJ		Ratio of expenditure to	Expenditure per km	
۱		energy delivered to	Expenditure per	maximum monthly	of pipeline for	
ĺ		ICPs	average no. of ICPs	load	supply	
		(\$/TJ)	(\$/ICP)	(\$ per GJ/month)	(\$/km)	
	Operational expenditure	1,770	146	15	2,599	
١	Network	654	54	6	960	
	Non-network	1,116	92	10	1,638	
	Expenditure on assets	1,867	154	16	2,742	
	Network	1,568	129	13	2,302	
ĺ	Non-network	300	25	3	440	
	1/ii) Povenue Metrice					
	1(ii): Revenue Metrics					
		Revenue per TJ				
		energy delivered to	Revenue per			
		ICPs	average no. of ICPs			
	Total line charge revenue	(\$/TJ) 6,148	(\$/ICP) 506			
	Standard consumer line charge revenue	9,979	456			
ĺ	Non-standard consumer line charge revenue	1,396	24,212			
ĺ	non standard consumer time charge revenue	1,350	24,212			
	1(iii): Service Intensity Measures					
١	Demand density	172		oad (GJ per month) p		
l	Volume density  Connection point density	18		vered per km of syster ICPs in disclosure year		
ĺ	Energy intensity	82			r per system lengtn nber of ICPs in disclosur	e vear
	Energy intensity	82	. Star Graenvered to	.c. s per average nur	inco of ici s in disclosur	c yeur
	1(iv): Composition of Revenue Requirement					
		(\$000)	% of revenue			
	Operational expenditure	15,438	28.83%			
	Pass-through and recoverable costs excluding financial incentives and wash-ups	2,312	4.32%			
	Total depreciation	10,086	18.83%			
	Total revaluations	6,689	12.49%			
	Regulatory tax allowance	6,276	11.72%			
	Regulatory profit/(loss) including financial incentives and wash-ups	26,134	48.80%			
	Total regulatory income	53,558				
	1(v): Reliability					
	Interruption rate	16.58	Interruptions per 10	Okm of system length		

### 3. Schedule 2: Return on Investment

		Commence	D.	worse Limits d	
		Company Name		September 201	7
		For Year Ended	30	September 201	/
	IEDULE 2: REPORT ON RETURN ON INVESTMENT				
	chedule requires information on the Return on Investment (ROI) for the GDB relative to the Comr ROI based on a monthly basis if required by clause 2.3.3 of the ID Determination or if they elect				
in 2(ii	ii).		,		
	must provide explanatory comment on their ROI in Schedule 14 (Mandatory Explanatory Notes). nformation is part of audited disclosure information (as defined in section 1.4 of the ID determi		the accurance report rec	uired by section 2.9	
	mormation is part of addited discressive mormation (as defined in section 1.4 of the 1D determi	nation, and so is subject to	tile assurance report rec	jurred by section 2.6	•
sch ref					
7	2(i): Return on Investment		CY-2	CY-1	Current Year CY
8		for year ended	30 Sep 15	30 Sep 16	30 Sep 17
9	ROI – comparable to a post tax WACC		%	%	%
10	Reflecting all revenue earned		5.53%	5.13%	7.58%
11 12	Excluding revenue earned from financial incentives  Excluding revenue earned from financial incentives and wash-ups		5.53% 5.53%	5.13% 5.13%	7.58% 7.58%
13	excluding revenue earned from manicial incentives and wash-ups		3.55%	5.15%	7.38%
14	Mid-point estimate of post tax WACC		6.66%	5.69%	5.18%
15	25th percentile estimate		5.85%	4.88%	4.37%
16	75th percentile estimate		7.47%	6.50%	5.99%
17					
18 19	ROI – comparable to a vanilla WACC				
20	Reflecting all revenue earned		6.28%	5.71%	8.07%
21	Excluding revenue earned from financial incentives		6.28%	5.71%	8.07%
22	Excluding revenue earned from financial incentives and wash-ups		6.28%	5.71%	8.07%
23					
24	WACC rate used to set regulatory price path		7.44%	7.44%	7.44%
25					
26	Mid-point estimate of vanilla WACC		7.41%	6.26%	5.67%
27 28	25th percentile estimate 75th percentile estimate		6.60% 8.22%	5.45% 7.07%	4.86%
29	7 Juli percentine estimate		8.22/6	7.07%	0.4876
	2/**) . (			(\$000)	
30	2(ii): Information Supporting the ROI				
31 32	Total opening RAB value		351,954		
33	plus Opening deferred tax		(25,212)		
34	Opening RIV			326,742	
35			_		
36	Line charge revenue		L	53,635	
37					
38 39	Expenses cash outflow  plus Assets commissioned		17,751 16,198		
40	less Asset disposals		316		
41	plus Tax payments		4,084		
42	less Other regulated income		(77)		
43	Mid-year net cash flows		L	37,793	
44					
45	Term credit spread differential allowance		L	-	
46 47	Total closing RAB value		364,155		
48	less Adjustment resulting from asset allocation		(284)		
49	less Lost and found assets adjustment				
50	plus Closing deferred tax		(27,404)		
51	Closing RIV		L	337,035	
52	POL comparable to a vanille WACC			Г	0.079/
53 54	ROI – comparable to a vanilla WACC			L	8.07%
54 55	Leverage (%)			Г	44%
56	Cost of debt assumption (%)				3.99%
57	Corporate tax rate (%)				28%
58					
59	ROI – comparable to a post tax WACC			L	7.58%
60					

61	2(iii): Information Supporting t	he Monthly ROI					
62							
63 64	Opening RIV						N/A
65		<b>r</b>		(\$000)			
66		Line charge revenue	Expenses cash outflow	Assets commissioned	Asset disposals	Other regulated income	Monthly net cash outflows
67	Month 1						-
68	Month 2						-
69	Month 3						
70	Month 4						
71	Month 5						
72	Month 6						
73	Month 7						
74	Month 8						
75	Month 9						
76	Month 10						
77	Month 11						
78	Month 12						
79	Total	-	-	_			
80							
81	Tax Payments						N/A
82							
83	Term credit spread differential all	owance					N/A
84							
85	Closing RIV						N/A
86							
87							
88	Monthly ROI – comparable to a va	nilla WACC					N/A
89							
90	Monthly ROI – comparable to a po	st tax WACC					N/A
91	2/5-1- V F BOLD-t f C						
92	2(iv): Year-End ROI Rates for Co	omparison Purposes					
93							
94	Year-end ROI – comparable to a va	anilla WACC					7.81%
95	V						
96	Year-end ROI – comparable to a p	ost tax WACC					7.31%
97	* these year-end ROI values are comp	arable to the POI reported in are 3	012 disclosums by CDB	and do not roprosent	the Commission's	rent view on POI	
98	tilese yeur-ena noi values are comp	arable to the NOT reported in pre 2	012 disclusures by GDB.	ana ao not represent	are commission s cur	ient view on noi.	
99 100	2(v): Financial Incentives and V	Vash-I Ins					
100	=1.7. i maneiai meentives and v	-us.i Ops					
102	Net recoverable costs allowed un	der incremental rolling incentive	scheme				1
102	Other financial incentives	act merementar ronning incentive	Jerrettie				
103	Financial incentives						
105	i ilialiciai ilicelitives						
106	Impact of financial incentives on ROI						
107	impact of infancial incentives off Not						
107	Input methodology claw-back						]
109	Recoverable customised price-qua	ality nath costs					
110	Other wash-ups	2					
111	Wash-up costs						
112	wasii-up costs						
113	Impact of wash-up costs on ROIs						

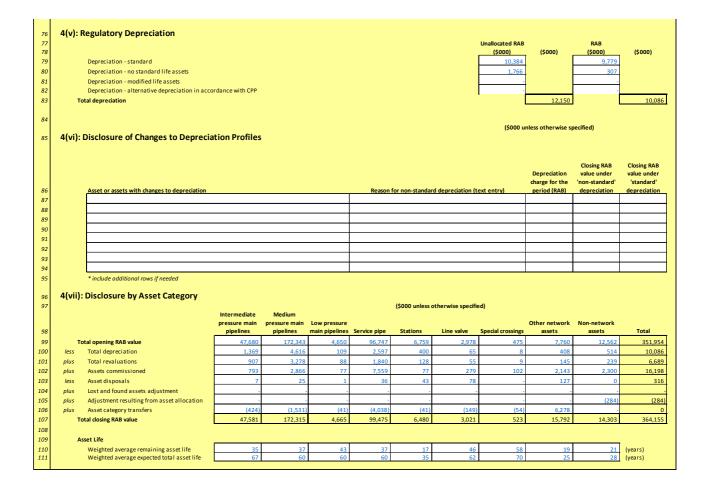
A monthly ROI must only be calculated if during the first three months or last three months of the 2017 disclosure year, the value of assets commissioned by Powerco had exceeded 10% of the total opening regulatory asset base values. These criteria are not met and Powerco has elected to report the ROI for the full disclosure year only.

## 4. Schedule 3: Regulatory Profit

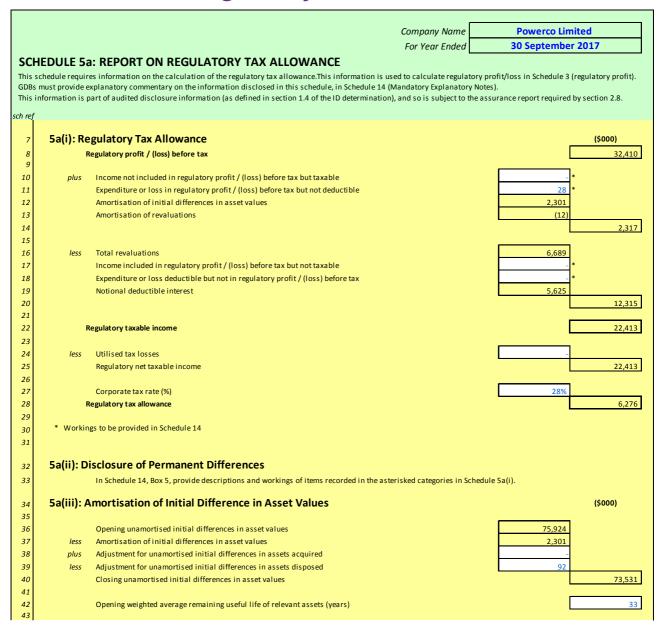
	Company Name	Powerco Limited
	For Year Ended	30 September 2017
	HEDULE 3: REPORT ON REGULATORY PROFIT	d must provide evalanatory comment on
eir r	chedule requires information on the calculation of regulatory profit for the GDB for the disclosure year. GDBs must complete all sections and regulatory profit in Schedule 14 (Mandatory Explanatory Notes).	
	nformation is part of audited disclosure information (as defined in section 1.4 of the ID determination), and so is subject to the assurance re	port required by section 2.8.
ref		
7	3(i): Regulatory Profit	(\$000)
	Income	
	Line charge revenue	53,635
!	plus Gains / (losses) on asset disposals  plus Other regulated income (other than gains / (losses) on asset disposals)	(316)
	,	
	Total regulatory income	53,558
	Expenses	
	less Operational expenditure	15,438
	less Pass-through and recoverable costs excluding financial incentives and wash-ups	2,312
	, , , , , , , , , , , , , , , , , , ,	
	Operating surplus / (deficit)	35,807
ĺ	loss Total depreciation	10,086
	less Total depreciation	10,088
	plus Total revaluations	6,689
	Regulatory profit / (loss) before tax	32,410
	less Term credit spread differential allowance	
	less Regulatory tax allowance	6,276
	Described and the state of the	26.124
	Regulatory profit/(loss) including financial incentives and wash-ups	26,134
	3(ii): Pass-through and recoverable costs excluding financial incentives and wash-ups	(\$000)
	Pass through costs	
	Rates	1,428
	Commerce Act levies Industry Levies	828 56
	CPP specified pass through costs	-
	Recoverable costs excluding financial incentives and wash-ups	
	Other recoverable costs excluding financial incentives and wash-ups	
	Pass-through and recoverable costs excluding financial incentives and wash-ups	2,312
	3(iii): Incremental Rolling Incentive Scheme	(\$000)
		CY-1 CY
	Allowed controllable opex	30 Sep 16 30 Sep 17
	Actual controllable opex	
	Incremental change in year	
		Previous years'
		incremental change Previous years' adjusted for
		incremental change inflation
	CY-5 30 Sep 12	-
	CY-4 30 Sep 13	
	CY-3 30 Sep 14 CY-2 30 Sep 15	-
	CY-1 30 Sep 16	
	Net incremental rolling incentive scheme	
	Net recoverable costs allowed under incremental rolling incentive scheme	
	3(iv): Merger and Acquisition Expenditure	
	-1. 1 On any radiation or mile and any	(\$000)
	Merger and acquisition expenditure	
	Provide commentary on the benefits of merger and acquisition expenditure to the gas distribution business, including required discle	osures in accordance with section 2.7 in
	Schedule 14 (Mandatory Explanatory Notes)	Journal in accordance with section 2.7, iff
		(\$000)
	3(v): Other Disclosures	
		(\$000)
	Self-insurance allowance	

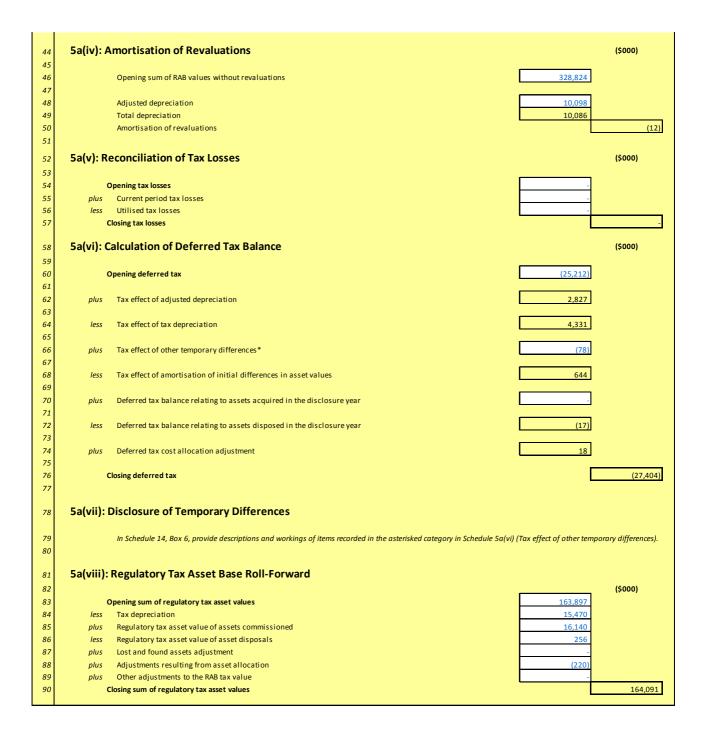
## **5. Schedule 4: Value of Regulatory Asset Base**

			mpany Name or Year Ended		werco Limited eptember 201	.7
This of th 2.8.	HEDULE 4: REPORT ON VALUE OF THE REGULATORY ASSET BASE (ROLLED FORWARD) schedule requires information on the calculation of the Regulatory Asset Base (RAB) value to the end of this disclosure year. This informs the Feir RAB in Schedule 14 (Mandatory Explanatory Notes). This information is part of audited disclosure information (as defined in section 1.4 of increase).					
sch ref 7 8	4(i): Regulatory Asset Base Value (Rolled Forward)  for year ended	RAB 30 Sep 13	RAB 30 Sep 14	RAB 30 Sep 15	RAB 30 Sep 16	RAB 30 Sep 17
9 10	Total opening RAB value	(\$000) 337,842	(\$000) 339,835	(\$000) 340,539	(\$000) 348,395	(\$000) 351,954
11 12	less Total depreciation	9,077	9,454	9,458	9,959	10,086
13						
14 15	plus Total revaluations	4,614	3,435	1,417	1,445	6,689
16 17	plus Assets commissioned	6,633	6,931	16,706	12,910	16,198
18	less Asset disposals	135	33	309	376	316
19 20	plus Lost and found assets adjustment	-	-	-	-	-
21 22	plus Adjustment resulting from asset allocation	(43)	(175)	(500)	(461)	(284)
23		339,835	340,539	348,395	351,954	364,155
24 25	Total closing RAB value	339,833	340,539	348,393	351,954	304,133
	4(ii): Unallocated Regulatory Asset Base					
26 27	4(II). Orlanocated Regulatory Asset Base		Unallocate		RAB	
28 29	Total opening RAB value		(\$000)	(\$000) 395,568	(\$000)	(\$000) 351,954
30 31	less Total depreciation		Г	12,150	_	10,086
32	plus				_	
33 34	Total revaluations plus			7,519		6,689
35 36	Assets commissioned (other than below) Assets acquired from a regulated supplier	-	26,194	-	16,198	
37	Assets acquired from a related party	į	-		-	
38 39	Assets commissioned less		L	26,194		16,198
40 41	Asset disposals (other than below) Asset disposals to a regulated supplier	-	316	-	316	
42	Asset disposals to a related party	l				
43 44	Asset disposals		L	316	L	316
45 46	plus Lost and found assets adjustment		L	-	L	-
47 48	plus Adjustment resulting from asset allocation					(284)
49	Total closing RAB value			416,815		364,155
50 51	* The 'unallocated RAB' is the total value of those assets used wholly or partially to provide gas distribution services without any allowance bein distribution services. The RAB value represents the value of these assets after applying this cost allocation. Neither value includes works under continuous con		ocation of costs to	services provided b	by the supplier that	are not gas
52	4(iii): Calculation of Revaluation Rate and Revaluation of Assets					
53 54	$CPI_4$					1,232
55	CP14 <sup>-4</sup>					1,209
56 57	Revaluation rate (%)					1.90%
58 59			Unallocate (\$000)	d RAB * (\$000) _	(\$000)	(\$000)
60 61	Total opening RAB value    less		395,568 330		351,954 327	
62		L				
63 64	Total opening RAB value subject to revaluation  Total revaluations	l	395,238	7,519	351,627	6,689
65			_			
66	4(iv): Roll Forward of Works Under Construction		Unallocated w	orks under	Allocated wo	
67 68	Works under construction—preceding disclosure year		constru		construe	3,687
69	plus Capital expenditure	[	27,770	,,410	16,154	5,007
70 71	less Assets commissioned plus Adjustment resulting from asset allocation	l l	26,194		16,198 (25)	
72 73	Works under construction - current disclosure year			8,985		3,619
74	Highest rate of capitalised finance applied					5.99%
75						



#### 6. Schedule 5a: Regulatory Tax Allowance





# 7. Schedule 5b: Related Party Transactions

		Company Nan	ne P	Powerco Limited
		For Year Ende	2d 30	September 2017
SC	HEDULE 5b: REPORT ON RELATED PAR			
		party transactions, in accordance with section 2.3.6 and 2.3.7	of the ID determination.	
		efined in section 1.4 of the ID determination), and so is subject		ection 2.8.
sch ref	f			
7	5b(i): Summary—Related Party Transa	ctions	(\$000)	
8	Total regulatory income			
9	Operational expenditure			
10	Capital expenditure			
11	Market value of asset disposals		-	
12	Other related party transactions			
13	5b(ii): Entities Involved in Related Par	ty Transactions		
		,		
14 15	Name of related party		Related party relationsh	пр
16				
17				
18				
19				
20	* include additional rows if needed			
20	* include additional rows if needed  5b(iii): Related Party Transactions			
			Value of	
21	5b(iii): Related Party Transactions	Related party	transaction	
21		Related party transaction type Description of transa	transaction	Basis for determining value
21 22 23	5b(iii): Related Party Transactions		transaction	Basis for determining value
21 22 23 24	5b(iii): Related Party Transactions		transaction	Basis for determining value
22 23 24 25	5b(iii): Related Party Transactions		transaction	Basis for determining value
21 22 23 24	5b(iii): Related Party Transactions		transaction	Basis for determining value
22 23 24 25 26	5b(iii): Related Party Transactions		transaction	Basis for determining value
22 23 24 25 26 27	5b(iii): Related Party Transactions		transaction	Basis for determining value
22 23 24 25 26 27 28	5b(iii): Related Party Transactions		transaction	Basis for determining value
22 23 24 25 26 27 28 29	5b(iii): Related Party Transactions		transaction	Basis for determining value
22 23 24 25 26 27 28 29 30 31 32	5b(iii): Related Party Transactions		transaction	Basis for determining value
22 23 24 25 26 27 28 29 30 31 32 33	5b(iii): Related Party Transactions		transaction	Basis for determining value
22 23 24 25 26 27 28 29 30 31 32 33 34	5b(iii): Related Party Transactions		transaction	Basis for determining value
22 23 24 25 26 27 28 29 30 31 32 33 34 35	5b(iii): Related Party Transactions		transaction	Basis for determining value
22 23 24 25 26 27 28 29 30 31 32 33 34 35 36	5b(iii): Related Party Transactions		transaction	Basis for determining value
22 23 24 25 26 27 28 29 30 31 32 33 34 35	5b(iii): Related Party Transactions		transaction	Basis for determining value

### 8. Schedule 5c: Term Credit Spread Differential

							Company Name	p	owerco Limited	
									September 201	
	REPORT ON TERM CREDIT SPREAD DIFFEREN		\_				For Year Ended	30	September 201	.,
rmation (as defined	be completed if, as at the date of the most recently published financial in section 1.4 of the ID determination), and so is subject to the assurar fying Debt (may be Commission only)			or of the debt portfo	olio (both qualifying det	ot and non-qualifying	g debt) is greater than	n five years. This infor	mation is part of au	dited disclosure
	Issuing party	Issue date	Pricing date	Original tenor (in years)	Coupon rate (%)	Book value at issue date (NZD)	Book value at date of financial statements (NZD)	Term Credit Spread Difference	Cost of executing an interest rate swap	Debt issue cost
2005	Guaranteed Bonds - 2	28/09/2005	26/09/2005	12.0	6.74%	50,000,000	49,977,925	75,000	9,610	(102,08
	(2011) U\$\$72m/NZ\$91.4m	7/06/2011	7/06/2011	9.0		91,370,558	106,889,750	137,056	-	(142,13
	(2011) US\$90m/NZ\$114.2m	7/06/2011	7/06/2011	12.0		114,213,198	136,756,987	171,320	_	(233,1
	(2011) U\$\$83m/NZ\$105.3m	7/06/2011	7/06/2011	15.0		105,329,949	128,074,912	157,995	-	(245,7
	Wholesale Bond - Fixed rate	20/12/2011	20/12/2011	7.0	6.3%	65,000,000	65,734,529	97,500	13,134	(65,0
2011	Wholesale Bond - Floating rate	20/12/2011	20/12/2011	7.0	BKBM + 2.60%	35,000,000	35,395,516	52,500	7,072	(35,0
USPP	(2013) US\$25m/NZ\$30.4m	23/01/2013	1/11/2012	12.0	BKBM + 2.20%	30,439,547	35,304,599	45,659	-	(62,1
USPP	(2013) US\$80m/NZ\$97.4m	23/01/2013	1/11/2012	15.0	BKBM + 2.21%	97,406,551	111,137,399	146,110	-	(227,2
NZD U	USPP(2014) NZ\$135m	15/10/2014	3/07/2014	12.5	6.62%	135,000,000	136,053,079	202,500	20,408	(283,5
2015	Wholesale Bond - Fixed rate	28/09/2015	16/09/2015	7.0	4.76%	150,000,000	149,751,117	225,000	22,463	(150,0
2016	Wholesale Bond - Fixed rate	15/11/2016	4/11/2016	8.0	4.67%	100,000,000	100,465,780	150,000	20,093	(131,2
* inclu	ude additional rows if needed						1,055,541,593	1,460,640	92,781	(1,677,3
*inclu		15/11/2016	4/11/2016	(123,929)	4.57%	100,000,000				
Leve Ave	al book value of interest bearing debt erage rage opening and closing RAB values		1,322,074,000 44% 358,054,363							
	ion Rate (%) redit spread differential allowance		[	12%						

#### 9. Schedule 5d: Cost Allocations

			Company Name	F	Powerco Limited	
			For Year Ended	30	September 201	L7
SCI	HEDULE 5d: REPORT ON COST ALLOCATIONS					
	schedule provides information on the allocation of operational costs. GDBs must provide	e explanatory comment o	n their cost allocation	in Schedule 14 (Mand	atory Explanatory No	otes), including on
	mpact of any reclassifications.					
This	information is part of audited disclosure information (as defined in section 1.4 of the ID o	determination), and so is	subject to the assurar	nce report required by	section 2.8.	
ch ref						
7 8	5d(i): Operating Cost Allocations		Malus allass	-+		
8				ated (\$000s)		
9		Arm's length deduction	Gas distribution services	Non-gas distribution services	Total	OVABAA allocation increase (\$000s)
10	Service interruptions, incidents and emergencies	deduction	services	services	IOLAI	increase (5000s)
11	Directly attributable		367	1		
12	Not directly attributable		-		_	
13	Total attributable to regulated service		367	'		
14	Routine and corrective maintenance and inspection			_		
15	Directly attributable		2,448			
16	Not directly attributable		-		-	
17	Total attributable to regulated service		2,448	1		
18	Asset replacement and renewal			1		
19	Directly attributable		2,890			
20	Not directly attributable		2,000		-	
21	Total attributable to regulated service  System operations and network support		2,890	J		
22			3,688	1		
24	Directly attributable  Not directly attributable		3,688	887	1,069	
25	Total attributable to regulated service		3,871	557	1,003	
26	Business support			_		
27	Directly attributable		882	]		
28	Not directly attributable		4,991	24,150	29,141	
29	Total attributable to regulated service		5,873			
30				1		
31	Operating costs and directly attributable		10,274	25.027	20.210	
32 33	Operating costs not directly attributable Operational expenditure		- 5,173 15,448	25,037	30,210	-
34	орегилона ехренитите		15,440	ı		
35	5d(ii): Other Cost Allocations		Value alloca	ated (\$000s)		
				(4000)		
		Arm's length				OVARAA allocation
36	Pass through and recoverable costs	Arm's length deduction	Gas distribution services	Non-gas distribution services	Total	OVABAA allocation increase (\$000s)
36 37	Pass through and recoverable costs  Pass through costs		Gas distribution	Non-gas distribution	Total	
36 37 38	Pass through and recoverable costs  Pass through costs  Directly attributable		Gas distribution	Non-gas distribution	Total	
37	Pass through costs		Gas distribution services	Non-gas distribution	Total 245	
37 38	Pass through costs  Directly attributable		Gas distribution services	Non-gas distribution services		
37 38 39	Pass through costs  Directly attributable  Not directly attributable		Gas distribution services  2,256 56	Non-gas distribution services		
37 38 39 40 41 42	Pass through costs  Directly attributable  Not directly attributable  Total attributable to regulated service  Recoverable costs  Directly attributable		Gas distribution services  2,256 56	Non-gas distribution services		
37 38 39 40 41 42 43	Pass through costs  Directly attributable  Not directly attributable  Total attributable to regulated service  Recoverable costs  Directly attributable  Not directly attributable		Gas distribution services  2,256 56	Non-gas distribution services		
37 38 39 40 41 42	Pass through costs  Directly attributable  Not directly attributable  Total attributable to regulated service  Recoverable costs  Directly attributable		Gas distribution services  2,256 56	Non-gas distribution services		
37 38 39 40 41 42 43	Pass through costs  Directly attributable  Not directly attributable  Total attributable to regulated service  Recoverable costs  Directly attributable  Not directly attributable  Total attributable to regulated service		Gas distribution services  2,256 56	Non-gas distribution services		
37 38 39 40 41 42 43	Pass through costs  Directly attributable  Not directly attributable  Total attributable to regulated service  Recoverable costs  Directly attributable  Not directly attributable		Gas distribution services  2,256 56	Non-gas distribution services	245	
37 38 39 40 41 42 43 44 45 46	Pass through costs  Directly attributable  Not directly attributable  Total attributable to regulated service  Recoverable costs  Directly attributable  Not directly attributable  Total attributable to regulated service  5d(iii): Changes in Cost Allocations* †		Gas distribution services  2,256 56 2,312	Non-gas distribution services	245	
37 38 39 40 41 42 43 44 45 46 47 48	Pass through costs  Directly attributable  Not directly attributable  Total attributable to regulated service  Recoverable costs  Directly attributable  Not directly attributable  Total attributable to regulated service  5d(iii): Changes in Cost Allocations* †  Change in cost allocation 1  Cost category		Gas distribution services  2,256 56 2,312  Original allocation	Non-gas distribution services	245	
37 38 39 40 41 42 43 44 45 46 47 48 49	Pass through costs  Directly attributable  Not directly attributable  Total attributable to regulated service  Recoverable costs  Directly attributable  Not directly attributable  Total attributable to regulated service  5d(iii): Changes in Cost Allocations* †  Change in cost allocation 1  Cost category  Original allocator or line items		Gas distribution services  2,256 56 2,312  Original allocation New allocation	Non-gas distribution services	245	
37 38 39 40 41 42 43 44 45 46 47 48 49 50	Pass through costs  Directly attributable  Not directly attributable  Total attributable to regulated service  Recoverable costs  Directly attributable  Not directly attributable  Total attributable to regulated service  5d(iii): Changes in Cost Allocations* †  Change in cost allocation 1  Cost category		Gas distribution services  2,256 56 2,312  Original allocation	Non-gas distribution services	245	
37 38 39 40 41 42 43 44 45 46 47 48 49 50 51	Pass through costs  Directly attributable Not directly attributable Total attributable to regulated service Recoverable costs Directly attributable Not directly attributable Total attributable to regulated service  5d(iii): Changes in Cost Allocations* †  Change in cost allocation 1 Cost category Original allocator or line items New allocator or line items		Gas distribution services  2,256 56 2,312  Original allocation New allocation	Non-gas distribution services	245	
37 38 39 40 41 42 43 44 45 46 47 48 49 50 51 52 53	Pass through costs  Directly attributable  Not directly attributable  Total attributable to regulated service  Recoverable costs  Directly attributable  Not directly attributable  Total attributable to regulated service  5d(iii): Changes in Cost Allocations* †  Change in cost allocation 1  Cost category  Original allocator or line items		Gas distribution services  2,256 56 2,312  Original allocation New allocation	Non-gas distribution services	245	
37 38 39 40 41 42 43 44 45 46 47 48 49 50 51 52 53 55	Pass through costs  Directly attributable  Not directly attributable  Total attributable to regulated service  Recoverable costs  Directly attributable  Not directly attributable  Total attributable to regulated service  Sd(iii): Changes in Cost Allocations* †  Change in cost allocation 1  Cost category  Original allocator or line items  New allocator or line items  Rationale for change		Gas distribution services  2,256 56 2,312  Original allocation New allocation	Non-gas distribution services  189  (\$00 CY-1	245 	
37 38 39 40 41 42 43 44 45 46 47 48 49 50 51 52 53 55 56	Pass through costs  Directly attributable  Not directly attributable  Total attributable to regulated service  Recoverable costs  Directly attributable  Not directly attributable  Total attributable to regulated service  Sd(iii): Changes in Cost Allocations* †  Change in cost allocation 1  Cost category  Original allocator or line items  New allocator or line items  Rationale for change  Change in cost allocation 2		Gas distribution services  2,256 56 2,312  Original allocation New allocation Difference	Non-gas distribution services  189  (\$00 CY-1	245 	
37 38 39 40 41 42 43 44 45 46 47 48 49 50 51 52 53 55 56 57	Pass through costs  Directly attributable  Not directly attributable  Total attributable to regulated service  Recoverable costs  Directly attributable  Not directly attributable  Total attributable to regulated service  5d(iii): Changes in Cost Allocations* †  Change in cost allocation 1  Cost category  Original allocator or line items  New allocator or line items  Rationale for change  Change in cost allocation 2  Cost category		Gas distribution services  2,256 56 2,312  Original allocation Difference  Original allocation	Non-gas distribution services  189  (\$00 CY-1	245 	
37 38 39 40 41 42 43 44 45 46 47 48 49 50 51 52 53 55 56 57 58	Pass through costs  Directly attributable  Not directly attributable  Total attributable to regulated service  Recoverable costs  Directly attributable  Not directly attributable  Total attributable to regulated service  5d(iii): Changes in Cost Allocations* †  Change in cost allocation 1  Cost category  Original allocator or line items  New allocator or line items  Rationale for change  Change in cost allocation 2  Cost category  Original allocator or line items		Gas distribution services  2,256 56 2,312  Original allocation New allocation Difference  Original allocation New allocation New allocation Difference	Non-gas distribution services  189  (\$00 CY-1	245 	
37 38 39 40 41 42 43 44 45 46 47 48 49 50 51 52 53 55 56 57 58 59	Pass through costs  Directly attributable  Not directly attributable  Total attributable to regulated service  Recoverable costs  Directly attributable  Not directly attributable  Total attributable to regulated service  5d(iii): Changes in Cost Allocations* †  Change in cost allocation 1  Cost category  Original allocator or line items  New allocator or line items  Rationale for change  Change in cost allocation 2  Cost category		Gas distribution services  2,256 56 2,312  Original allocation Difference  Original allocation	Non-gas distribution services  189  (\$00 CY-1	245 	
37 38 39 40 41 42 43 44 45 46 47 48 49 50 51 52 53 55 56 57 58 59 60	Pass through costs  Directly attributable  Not directly attributable  Total attributable to regulated service  Recoverable costs  Directly attributable  Not directly attributable  Total attributable to regulated service  5d(iii): Changes in Cost Allocations* †  Change in cost allocation 1  Cost category  Original allocator or line items  New allocator or line items  Rationale for change  Change in cost allocation 2  Cost category  Original allocator or line items		Gas distribution services  2,256 56 2,312  Original allocation New allocation Difference  Original allocation New allocation New allocation Difference	Non-gas distribution services  189  (\$00 CY-1	245 	
37 38 39 40 41 42 43 44 45 46 47 48 49 50 51 52 53 55 56 57 58 59 60 61 62	Pass through costs  Directly attributable  Not directly attributable  Total attributable to regulated service  Recoverable costs  Directly attributable  Not directly attributable  Total attributable to regulated service  Sd(iii): Changes in Cost Allocations* †  Change in cost allocation 1  Cost category  Original allocator or line items  New allocator or line items  Rationale for change  Change in cost allocation 2  Cost category  Original allocator or line items  New allocator or line items  New allocator or line items		Gas distribution services  2,256 56 2,312  Original allocation New allocation Difference  Original allocation New allocation New allocation Difference	Non-gas distribution services  189  (\$00 CY-1	245 	
37 38 39 40 41 42 43 44 45 46 47 48 49 50 51 52 53 55 56 57 58 59 60 61 62 63	Pass through costs  Directly attributable  Not directly attributable  Total attributable to regulated service  Recoverable costs  Directly attributable  Not directly attributable  Total attributable to regulated service  Sd(iii): Changes in Cost Allocations* †  Change in cost allocation 1  Cost category  Original allocator or line items  New allocator or line items  Rationale for change  Change in cost allocation 2  Cost category  Original allocator or line items  New allocator or line items  New allocator or line items		Gas distribution services  2,256 56 2,312  Original allocation New allocation Difference  Original allocation New allocation New allocation Difference	Non-gas distribution services  189  (\$00 CY-1	245  Current Year (CY)  Current Year (CY)	
37 38 39 40 41 42 43 44 45 46 47 48 49 50 51 52 53 55 56 57 58 59 60 61 62	Pass through costs  Directly attributable  Not directly attributable  Total attributable to regulated service  Recoverable costs  Directly attributable  Not directly attributable  Total attributable to regulated service  Sd(iii): Changes in Cost Allocations* †  Change in cost allocation 1  Cost category  Original allocator or line items  New allocator or line items  Rationale for change  Change in cost allocation 2  Cost category  Original allocator or line items  New allocator or line items  New allocator or line items		Gas distribution services  2,256 56 2,312  Original allocation New allocation Difference  Original allocation New allocation New allocation Difference	Non-gas distribution services  189  (\$00 CY-1	245  Current Year (CY)  Current Year (CY)	
37 38 39 40 41 42 43 44 45 46 47 48 49 50 51 52 55 55 56 57 58 59 60 61 62 63 64	Pass through costs  Directly attributable  Not directly attributable  Total attributable to regulated service  Recoverable costs  Directly attributable  Not directly attributable  Total attributable to regulated service  5d(iii): Changes in Cost Allocations* †  Change in cost allocation 1  Cost category  Original allocator or line items  New allocator or line items  Rationale for change  Change in cost allocation 2  Cost category  Original allocator or line items  New allocator or line items  New allocator or line items  Rationale for change		Gas distribution services  2,256 56 2,312  Original allocation New allocation Difference  Original allocation New allocation New allocation Difference	Non-gas distribution services  189  (\$00  CY-1  (\$00  CY-1	245  Current Year (CY)  Current Year (CY)	
37 38 39 40 41 42 43 44 45 46 47 48 49 50 51 52 53 55 55 56 67 58 59 60 61 62 63 64 64 65	Pass through costs  Directly attributable  Not directly attributable  Total attributable to regulated service  Recoverable costs  Directly attributable  Not directly attributable  Total attributable to regulated service  5d(iii): Changes in Cost Allocations* †  Change in cost allocation 1  Cost category  Original allocator or line items  New allocator or line items  Rationale for change  Change in cost allocation 2  Cost category  Original allocator or line items  New allocator or line items  New allocator or line items  Rationale for change  Change in cost allocation 2  Cost category  Original allocator or line items  New allocator or line items  Rationale for change		Cas distribution services  2,256 56 2,312  Original allocation New allocation Difference  Original allocation New allocation Difference	Non-gas distribution services  189  (\$00  CY-1  (\$00  CY-1	245  Current Year (CY)  Current Year (CY)	
37 38 39 40 41 42 43 44 45 46 47 48 49 50 51 52 53 55 55 56 67 62 63 64 64 65 66 66 67 68	Pass through costs  Directly attributable  Not directly attributable  Total attributable to regulated service  Recoverable costs  Directly attributable  Not directly attributable  Total attributable to regulated service  5d(iii): Changes in Cost Allocations* †  Change in cost allocation 1  Cost category  Original allocator or line items  New allocator or line items  Rationale for change  Change in cost allocation 2  Cost category  Original allocator or line items  New allocator or line items  Change in cost allocation 3  Cost category		Gas distribution services  2,256 56 2,312  Original allocation New allocation Difference  Original allocation New allocation Difference  Original allocation Original allocation Original allocation	Non-gas distribution services  189  (\$00  CY-1  (\$00  CY-1	245  Current Year (CY)  Current Year (CY)	
37 38 39 40 41 42 43 44 45 46 47 48 49 50 51 55 56 57 58 59 60 61 62 63 64 65 66 66 67 68 69 69	Pass through costs  Directly attributable  Not directly attributable  Total attributable to regulated service  Recoverable costs  Directly attributable  Not directly attributable  Total attributable to regulated service  5d(iii): Changes in Cost Allocations* †  Change in cost allocation 1  Cost category  Original allocator or line items  New allocator or line items  Rationale for change  Change in cost allocation 2  Cost category  Original allocator or line items  New allocator or line items  Rationale for change  Change in cost allocation 3  Cost category  Original allocator or line items  New allocator or line items  Rationale for change		Criginal allocation New allocation Difference  Original allocation New allocation Difference	Non-gas distribution services  189  (\$00  CY-1  (\$00  CY-1	245  Current Year (CY)  Current Year (CY)	
37 38 39 40 41 42 43 44 45 46 47 48 49 50 51 52 53 55 55 56 67 62 63 64 64 65 66 66 67 68	Pass through costs  Directly attributable Not directly attributable Total attributable to regulated service Recoverable costs  Directly attributable Not directly attributable Total attributable to regulated service  5d(iii): Changes in Cost Allocations* †  Change in cost allocation 1 Cost category Original allocator or line items New allocator or line items  Rationale for change  Change in cost allocation 2 Cost category Original allocator or line items New allocator or line items New allocator or line items Rationale for change  Change in cost allocation 2 Cost category Original allocator or line items Rationale for change		Criginal allocation New allocation Difference  Original allocation New allocation Difference	Non-gas distribution services  189  (\$00  CY-1  (\$00  CY-1	245  Current Year (CY)  Current Year (CY)	
37 38 39 40 41 42 43 44 45 50 51 55 56 57 58 59 60 61 62 63 64 65 66 67 68 69 70 70 70 70 70 70 70 70 70 70	Pass through costs  Directly attributable Not directly attributable Total attributable to regulated service Recoverable costs  Directly attributable Not directly attributable Total attributable to regulated service  5d(iii): Changes in Cost Allocations* †  Change in cost allocation 1  Cost category Original allocator or line items New allocator or line items  Rationale for change  Change in cost allocation 2  Cost category Original allocator or line items New allocator or line items  Rationale for change  Change in cost allocation 3  Cost category Original allocator or line items New allocator or line items Rationale for change  * a change in cost allocation must be completed for each cost allocator change that has a change in cost allocation must be completed for each cost allocator change that has a change in cost allocation must be completed for each cost allocator change that has a change in cost allocation must be completed for each cost allocator change that has a change in cost allocation must be completed for each cost allocator change that has a change in cost allocation must be completed for each cost allocator change that has a change in cost allocation must be completed for each cost allocator change that has a change in cost allocation must be completed for each cost allocator change that has a change in cost allocation must be completed for each cost allocator change that has a change in cost allocation must be completed for each cost allocator change that has a change in cost allocation must be completed for each cost allocator change that has a change in cost allocation must be completed for each cost allocator change that has a change in cost allocator chan	deduction	Cas distribution services  2,256 56 2,312  Original allocation New allocation Difference  Original allocation New allocation Difference	Non-gas distribution services  189  (\$00 CY-1  (\$00 CY-1  (\$00 CY-1	245  Current Year (CY)  Current Year (CY)  OO)  Current Year (CY)	increase (\$000s)
37 38 39 40 41 42 43 44 45 46 47 48 49 50 51 52 53 55 56 60 61 62 63 64 65 66 67 68 69 69 70 70 70 70 70 70 70 70 70 70	Pass through costs  Directly attributable Not directly attributable Total attributable to regulated service Recoverable costs Directly attributable Not directly attributable Total attributable to regulated service  Sd(iii): Changes in Cost Allocations*†  Change in cost allocation 1 Cost category Original allocator or line items New allocator or line items  Rationale for change  Change in cost allocation 2 Cost category Original allocator or line items New allocator or line items  Rationale for change  Change in cost allocation 3 Cost category Original allocator or line items New allocator or line items Rationale for change	deduction	Cas distribution services  2,256 56 2,312  Original allocation New allocation Difference  Original allocation New allocation Difference	Non-gas distribution services  189  (\$00 CY-1  (\$00 CY-1  (\$00 CY-1	245  Current Year (CY)  Current Year (CY)  OO)  Current Year (CY)	increase (\$000s)

### 10. Schedule 5e: Asset Allocations

		Company Name		Powerco Limit	ted
		For Year Ended	3	0 September	2017
This :	HEDULE 5e: REPORT ON ASSET ALLOCAT schedule requires information on the allocation of asset values ment on their cost allocation in Schedule 14 (Mandatory Explansosure information (as defined in section 1.4 of the ID determination)	This information supports the calculation atory Notes), including on the impact of any	changes in asset allocat	ions. This informa	
ch ref	Fo(i): Descripted Service Asset Values				
<i>7</i>	5e(i): Regulated Service Asset Values		Value allocated (\$000s)		
			Gas distribution		
9 10	Main pipe		services		
11	Directly attributable		224,560		
12	Not directly attributable		-		
13	Total attributable to regulated service		224,560		
14	Service pipe				
15	Directly attributable		99,475		
16	Not directly attributable		-		
17	Total attributable to regulated service		99,475		
18	Stations				
19	Directly attributable		6,480		
20	Not directly attributable		C 480		
21	Total attributable to regulated service  Line valve		6,480		
22	Directly attributable		3,021		
24	Not directly attributable		- 5,021		
25	Total attributable to regulated service		3,021		
26	Special crossings				
27	Directly attributable		523		
28	Not directly attributable		-		
29	Total attributable to regulated service		523		
30	Other network assets				
31	Directly attributable		15,792		
32	Not directly attributable		45.702		
33	Total attributable to regulated service  Non-network assets		15,792		
34 35	Directly attributable		3,437		
36	Not directly attributable		10,866		
37	Total attributable to regulated service		14,303		
38					
39	Regulated service asset value directly attributable		353,289		
40 41	Regulated service asset value not directly attributabl Total closing RAB value	le	10,866 364,155		
42	Total closing KAB value		304,133		
	- 400 -				
43	5e(ii): Changes in Asset Allocations* †				
45	Change in asset value allocation 1				(\$000)
46	Accet cotorony		Original allocation	CY-1	Current Year (CY)
47 48	Asset category Original allocator or line items		New allocation		
49	New allocator or line items		Difference		-
50					
5 <u>1</u>	Rationale for change				
54					(\$000)
55	Change in asset value allocation 2			CY-1	Current Year (CY)
56	Asset category		Original allocation	1	
57	Original allocator or line items  New allocator or line items		New allocation Difference		
58 59	New affocator of fine items		Difference		-
60 62	Rationale for change				
63					(\$000)
64	Change in asset value allocation 3		Original allocation	CY-1	Current Year (CY)
65 66	Asset category Original allocator or line items		New allocation		+
66 67	New allocator or line items		Difference		
סט					
69 70	Rationale for change				
71	*		d to the disale		W
72	<ul> <li>* a change in asset allocation must be completed for each allo change in allocator or component.</li> </ul>	nculor or component change that has occurred	u III tne aisciosure year. A	movement in an ai	iocutor metric is not a
73	† include additional rows if needed				

## 11. Schedule 6a: Capital Expenditure

		Company Name	Powerco Lim	ited
		For Year Ended	30 September	2017
CHEDL	ULE 6	a: REPORT ON CAPITAL EXPENDITURE FOR THE DISCLOSURE YEAR		
		ires a breakdown of capital expenditure on assets incurred in the disclosure year, including any assets in respect of which		re received, but
		lat are vested assets. Information on expenditure on assets must be provided on an accounting accruals basis and must ex explanatory comment on their expenditure on assets in Schedule 14 (Explanatory notes to templates).	clude finance costs.	
		: part of audited disclosure information (as defined in section 1.4 of the ID determination), and so is subject to the assuran	ce report required by se	ction 2.8.
ef .				
6a	√i)· F	xpenditure on Assets	(\$000)	(\$000)
"		Consumer connection	(,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,	6,6
		System growth		1,1
		Asset replacement and renewal		1,5
		Asset relocations		
		Reliability, safety and environment:		1
		Quality of supply	2,200	-
		Legislative and regulatory  Other reliability, safety and environment	1,734	
		Total reliability, safety and environment	1,731	3,9
		penditure on network assets		13,6
		Expenditure on non-network assets		2,6
	E-	penditure on assets		16,2
,		Cost of financing		10,2
		Value of capital contributions		1
		Value of vested assets		
		2.1		
	Ca	pital expenditure		16,1
6a	ı(ii): 9	Subcomponents of Expenditure on Assets (where known)		(\$000)
		Research and development		
6a	ı(iii):	Consumer Connection		
		Consumer types defined by GDB*	(\$000)	(\$000) ]
		Residental/Small Commercial  Commercial	5,790 821	
		Industrial	39	
		* include additional rows if needed		
		Consumer connection expenditure		6,6
1	less	Capital contributions funding consumer connection expenditure	93	
		Consumer connection less capital contributions		6,5
6a	(iv):	System Growth and Asset Replacement and Renewal		
			System Growth	Asset Replacement and Renewal
			(\$000)	(\$000)
		Intermediate pressure		ı
		Main pipe	59	
		Service pipe Stations		2
		Line valve		<u> </u>
		Special crossings		
		Intermediate pressure -total	59	2
		Medium pressure		
		Main pipe	1,130	1,2
		Service pipe	-	
		Stations		
		Line valve Special crossings		
		Medium pressure - total	1,130	1,2
		Low pressure	, , , , , , , , , , , , , , , , , , , ,	
		Main pipe		
		Service pipe	-	
		Line valve	-	
		Special crossings		
		Low pressure - total		
		Other network assets		
		Monitoring and control systems		
		Cathodic protection systems  Other assets (other than above)		
		Other assess founds than above)		
		Other network assets - total		
		Other network assets - total		
		Other network assets - total System growth and asset replacement and renewal expenditure	1,189	1,5
			1,189 75 1,113	1,5

73	6a(v): Asset Relocations		
		(\$222)	(4000)
74	Project or programme*	(\$000)	(\$000)
75		165	
76			
77			
78			
79		_	
80	* include additional rows if needed		
81	All other projects or programmes - asset relocations	235	
82	Asset relocations expenditure		400
		20	400
83	less Capital contributions funding asset relocations	26	
84	Asset relocations less capital contributions	L	375
	6 / 1) 0 /1: 60 /		
85	6a(vi): Quality of Supply		
86	Project or programme*	(\$000)	(\$000)
87	Wellington CBD	1,387	
88	Palmerston North Eastern Reinforcement	686	
89			
90			
91			
	* include additional rows if needed		
92		100	
93	All other projects or programmes - quality of supply	127	
94	Quality of supply expenditure		2,200
95	less Capital contributions funding quality of supply	-	
96	Quality of supply less capital contributions		2,200
97			
98	6a(vii): Legislative and Regulatory		
		(\$000)	(¢000)
99	Project or programme*	(\$000)	(\$000)
100		-	
101			
102			
103			
104		_	
105	* include additional rows if needed		
106	All other projects or programmes - legislative and regulatory		
107	Legislative and regulatory expenditure		
108	less Capital contributions funding legislative and regulatory		
109			
	Legislative and regulatory less capital contributions	L	
110			
	- /		
111	6a(viii): Other Reliability, Safety and Environment		
111 112	6a(viii): Other Reliability, Satety and Environment <u>Project or programme*</u>	(\$000)	(\$000)
		<b>(\$000)</b> 835	(\$000)
112 113	Project or programme*		(\$000)
112 113 114	Project or programme*  DRS protection programme  Riddlers Crescent DRS Rationalisation	835 230	(\$000)
112 113 114 115	Project or programme*  DRS protection programme  Riddlers Crescent DRS Rationalisation  Newlands disconnection	835 230 206	(\$000)
112 113 114 115 116	Project or programme*  DRS protection programme  Riddlers Crescent DRS Rationalisation	835 230	(\$000)
112 113 114 115 116 117	Project or programme*  DRS protection programme Riddlers Crescent DRS Rationalisation Newlands disconnection HAB IP Valve Safety Improvement	835 230 206	(\$000)
112 113 114 115 116 117 118	Project or programme*  DRS protection programme Riddlers Crescent DRS Rationalisation Newlands disconnection HAB IP Valve Safety Improvement  * include additional rows if needed	835 230 206 107	(\$000)
112 113 114 115 116 117 118 119	Project or programme*  DRS protection programme Riddlers Crescent DRS Rationalisation Newlands disconnection HAB IP Valve Safety Improvement  * include additional rows if needed All other projects or programmes - other reliability, safety and environment	835 230 206	
112 113 114 115 116 117 118 119	Project or programme*  DRS protection programme  Riddlers Crescent DRS Rationalisation  Newlands disconnection  HAB IP Valve Safety Improvement  * include additional rows if needed  All other projects or programmes - other reliability, safety and environment  Other reliability, safety and environment expenditure	835 230 206 107	(\$ <b>000)</b>
112 113 114 115 116 117 118 119	Project or programme*  DRS protection programme Riddlers Crescent DRS Rationalisation Newlands disconnection HAB IP Valve Safety Improvement  * include additional rows if needed All other projects or programmes - other reliability, safety and environment	835 230 206 107	1,734
112 113 114 115 116 117 118 119	Project or programme*  DRS protection programme  Riddlers Crescent DRS Rationalisation  Newlands disconnection  HAB IP Valve Safety Improvement  * include additional rows if needed  All other projects or programmes - other reliability, safety and environment  Other reliability, safety and environment expenditure	835 230 206 107	
112 113 114 115 116 117 118 119 120	Project or programme*  DRS protection programme Riddlers Crescent DRS Rationalisation  Newlands disconnection  HAB IP Valve Safety Improvement  * include additional rows if needed  All other projects or programmes - other reliability, safety and environment  Other reliability, safety and environment expenditure  less Capital contributions funding other reliability, safety and environment  Other reliability, safety and environment less capital contributions	835 230 206 107	1,734
112 113 114 115 116 117 118 119 120	Project or programme*  DRS protection programme  Riddlers Crescent DRS Rationalisation  Newlands disconnection  HAB IP Valve Safety Improvement  * include additional rows if needed  All other projects or programmes - other reliability, safety and environment  Other reliability, safety and environment expenditure  less Capital contributions funding other reliability, safety and environment	835 230 206 107	1,734
112 113 114 115 116 117 118 119 120 121 122	Project or programme*  DRS protection programme Riddlers Crescent DRS Rationalisation  Newlands disconnection  HAB IP Valve Safety Improvement  * include additional rows if needed  All other projects or programmes - other reliability, safety and environment  Other reliability, safety and environment expenditure  less Capital contributions funding other reliability, safety and environment  Other reliability, safety and environment less capital contributions	835 230 206 107	1,734
112 113 114 115 116 117 118 119 120 121 122	Project or programme*  DRS protection programme Riddlers Crescent DRS Rationalisation Newlands disconnection HAB IP Valve Safety Improvement  * include additional rows if needed All other projects or programmes - other reliability, safety and environment Other reliability, safety and environment expenditure less Capital contributions funding other reliability, safety and environment Other reliability, safety and environment less capital contributions  6a(ix): Non-Network Assets Routine expenditure	835 230 206 107	1,734
112 113 114 115 116 117 118 119 120 121 122 123 124 125	Project or programme*  DRS protection programme Riddlers Crescent DRS Rationalisation Newlands disconnection HAB IP Valve Safety Improvement  * include additional rows if needed All other projects or programmes - other reliability, safety and environment Other reliability, safety and environment expenditure less Capital contributions funding other reliability, safety and environment Other reliability, safety and environment less capital contributions  6a(ix): Non-Network Assets Routine expenditure Project or programme*	835 230 206 107	1,734
112 113 114 115 116 117 118 119 120 121 122 123 124 125 126	Project or programme*  DRS protection programme  Riddlers Crescent DRS Rationalisation  Newlands disconnection  HAB IP Valve Safety Improvement  * include additional rows if needed  All other projects or programmes - other reliability, safety and environment  Other reliability, safety and environment expenditure  less Capital contributions funding other reliability, safety and environment  Other reliability, safety and environment less capital contributions  6a(ix): Non-Network Assets  Routine expenditure  Project or programme*  IT Renewal	\$35 230 206 107 356 (\$000)	1,734
112 113 114 115 116 117 118 119 120 121 122 123 124 125 126 127	Project or programme*  DRS protection programme Riddlers Crescent DRS Rationalisation Newlands disconnection HAB IP Valve Safety Improvement  * include additional rows if needed All other projects or programmes - other reliability, safety and environment Other reliability, safety and environment expenditure less Capital contributions funding other reliability, safety and environment Other reliability, safety and environment less capital contributions  6a(ix): Non-Network Assets Routine expenditure Project or programme*	835 230 206 107	1,734
112 113 114 115 116 117 118 119 120 121 122 123 124 125 126 127 128	Project or programme*  DRS protection programme  Riddlers Crescent DRS Rationalisation  Newlands disconnection  HAB IP Valve Safety Improvement  * include additional rows if needed  All other projects or programmes - other reliability, safety and environment  Other reliability, safety and environment expenditure  less Capital contributions funding other reliability, safety and environment  Other reliability, safety and environment less capital contributions  6a(ix): Non-Network Assets  Routine expenditure  Project or programme*  IT Renewal	\$35 230 206 107 356 (\$000)	1,734
112 113 114 115 116 117 118 119 120 121 122 123 124 125 126 127 128 129	Project or programme*  DRS protection programme  Riddlers Crescent DRS Rationalisation  Newlands disconnection  HAB IP Valve Safety Improvement  * include additional rows if needed  All other projects or programmes - other reliability, safety and environment  Other reliability, safety and environment expenditure  less Capital contributions funding other reliability, safety and environment  Other reliability, safety and environment less capital contributions  6a(ix): Non-Network Assets  Routine expenditure  Project or programme*  IT Renewal	\$35 230 206 107 356 (\$000)	1,734
112 113 114 115 116 117 118 119 120 121 122 123 124 125 126 127 128 129 130	Project or programme*  DRS protection programme Riddlers Crescent DRS Rationalisation Newlands disconnection HAB IP Valve Safety Improvement  * include additional rows if needed All other projects or programmes - other reliability, safety and environment Other reliability, safety and environment expenditure less Capital contributions funding other reliability, safety and environment Other reliability, safety and environment less capital contributions  6a(ix): Non-Network Assets Routine expenditure  Project or programme*  IT Renewal Lease Assets	\$35 230 206 107 356 (\$000)	1,734
112 113 114 115 116 117 118 119 120 121 122 123 124 125 126 127 128 129	Project or programme*  DRS protection programme  Riddlers Crescent DRS Rationalisation  Newlands disconnection  HAB IP Valve Safety Improvement  * include additional rows if needed  All other projects or programmes - other reliability, safety and environment  Other reliability, safety and environment expenditure  less Capital contributions funding other reliability, safety and environment  Other reliability, safety and environment less capital contributions  6a(ix): Non-Network Assets  Routine expenditure  Project or programme*  IT Renewal	\$35 230 206 107 356 (\$000)	1,734
112 113 114 115 116 117 118 119 120 121 122 123 124 125 126 127 128 129 130	Project or programme*  DRS protection programme Riddlers Crescent DRS Rationalisation Newlands disconnection HAB IP Valve Safety Improvement  * include additional rows if needed All other projects or programmes - other reliability, safety and environment Other reliability, safety and environment expenditure less Capital contributions funding other reliability, safety and environment Other reliability, safety and environment less capital contributions  6a(ix): Non-Network Assets Routine expenditure  Project or programme*  IT Renewal Lease Assets	\$35 230 206 107 356 (\$000)	1,734
112 113 114 115 116 117 118 119 120 121 122 123 124 125 126 127 128 129 130 131	Project or programme*  DRS protection programme Riddlers Crescent DRS Rationalisation Newlands disconnection HAB IP Valve Safety Improvement  * include additional rows if needed All other projects or programmes - other reliability, safety and environment Other reliability, safety and environment expenditure less Capital contributions funding other reliability, safety and environment Other reliability, safety and environment less capital contributions  6a(ix): Non-Network Assets Routine expenditure  Project or programme*  IT Renewal Lease Assets  * include additional rows if needed	\$35 230 206 107 356 (\$000)	1,734
112 113 114 115 116 117 118 119 120 121 122 123 124 125 126 127 128 129 130 131 132	Project or programme*  DRS protection programme Riddlers Crescent DRS Rationalisation Newlands disconnection HAB IP Valve Safety Improvement  * include additional rows if needed All other projects or programmes - other reliability, safety and environment Other reliability, safety and environment expenditure less Capital contributions funding other reliability, safety and environment Other reliability, safety and environment less capital contributions  6a(ix): Non-Network Assets Routine expenditure  Project or programme*  IT Renewal Lease Assets  * include additional rows if needed All other projects or programmes - routine expenditure Routine expenditure	\$35 230 206 107 356 (\$000)	1,734 1,734 (\$000)
112 113 114 115 116 117 118 119 120 121 122 123 124 125 126 127 128 129 130 131 132 133	Project or programme*  DRS protection programme Riddlers Crescent DRS Rationalisation Newlands disconnection HAB IP Valve Safety Improvement  * include additional rows if needed All other projects or programmes - other reliability, safety and environment Other reliability, safety and environment expenditure less Capital contributions funding other reliability, safety and environment Other reliability, safety and environment less capital contributions  6a(ix): Non-Network Assets Routine expenditure  Project or programme*  IT Renewal Lease Assets  * include additional rows if needed All other projects or programmes - routine expenditure Routine expenditure Atypical expenditure	(\$000)  (\$000)  172 1,226	1,734 1,734 (\$000)
112 113 114 115 116 117 118 119 120 121 122 123 124 125 126 127 128 129 130 131 132	Project or programme*  DRS protection programme Riddlers Crescent DRS Rationalisation Newlands disconnection HAB IP Valve Safety Improvement  * include additional rows if needed All other projects or programmes - other reliability, safety and environment Other reliability, safety and environment expenditure less Capital contributions funding other reliability, safety and environment Other reliability, safety and environment less capital contributions  6a(ix): Non-Network Assets Routine expenditure  Project or programme*  IT Renewal Lease Assets  * include additional rows if needed All other projects or programmes - routine expenditure Routine expenditure	\$35 230 206 107 356 (\$000)	1,734 1,734 (\$000)
112 113 114 115 116 117 118 119 120 121 122 123 124 125 126 127 128 129 130 131 132 133	Project or programme*  DRS protection programme Riddlers Crescent DRS Rationalisation Newlands disconnection HAB IP Valve Safety Improvement  * include additional rows if needed All other projects or programmes - other reliability, safety and environment Other reliability, safety and environment expenditure less Capital contributions funding other reliability, safety and environment Other reliability, safety and environment less capital contributions  6a(ix): Non-Network Assets Routine expenditure  Project or programme*  IT Renewal Lease Assets  * include additional rows if needed All other projects or programmes - routine expenditure Routine expenditure Atypical expenditure	(\$000)  (\$000)  172 1,226	1,734 1,734 (\$000)
112 113 114 115 116 117 118 119 120 121 122 123 124 125 126 127 128 129 130 131 132 133 134 135	Project or programme*  DRS protection programme Riddlers Crescent DRS Rationalisation  Newlands disconnection  HAB IP Valve Safety Improvement  * include additional rows if needed  All other projects or programmes - other reliability, safety and environment  Other reliability, safety and environment expenditure  less Capital contributions funding other reliability, safety and environment  Other reliability, safety and environment less capital contributions  6a(ix): Non-Network Assets  Routine expenditure  Project or programme*  IT Renewal  Lease Assets  * include additional rows if needed  All other projects or programmes - routine expenditure  Routine expenditure  Atypical expenditure  Project or programme*	(\$000)  (\$000)  (\$000)	1,734 1,734 (\$000)
112 113 114 115 116 117 118 119 120 121 122 123 124 125 126 127 128 130 131 131 132 133 134 135 136	Project or programme*  DRS protection programme Riddlers Crescent DRS Rationalisation  Newlands disconnection  HAB IP Valve Safety Improvement  * include additional rows if needed  All other projects or programmes - other reliability, safety and environment  Other reliability, safety and environment expenditure  less Capital contributions funding other reliability, safety and environment  Other reliability, safety and environment less capital contributions  6a(ix): Non-Network Assets  Routine expenditure  Project or programme*  IT Renewal  Lease Assets  * include additional rows if needed  All other projects or programmes - routine expenditure  Routine expenditure  Atypical expenditure  Project or programme*	(\$000)  (\$000)  (\$000)	1,734 1,734 (\$000)
112 113 114 115 116 117 118 119 120 121 122 123 124 125 126 127 128 129 130 131 132 133 134 135 136 137 137	Project or programme*  DRS protection programme Riddlers Crescent DRS Rationalisation  Newlands disconnection  HAB IP Valve Safety Improvement  * include additional rows if needed  All other projects or programmes - other reliability, safety and environment  Other reliability, safety and environment expenditure  less Capital contributions funding other reliability, safety and environment  Other reliability, safety and environment less capital contributions  6a(ix): Non-Network Assets  Routine expenditure  Project or programme*  IT Renewal  Lease Assets  * include additional rows if needed  All other projects or programmes - routine expenditure  Routine expenditure  Atypical expenditure  Project or programme*	(\$000)  (\$000)  (\$000)	1,734 1,734 (\$000)
112 113 114 115 116 117 118 119 120 121 122 123 124 125 126 127 128 129 130 131 132 133 134 135 136 137	Project or programme*  DRS protection programme Riddlers Crescent DRS Rationalisation  Newlands disconnection  HAB IP Valve Safety Improvement  * include additional rows if needed  All other projects or programmes - other reliability, safety and environment  Other reliability, safety and environment expenditure  less Capital contributions funding other reliability, safety and environment  Other reliability, safety and environment less capital contributions  6a(ix): Non-Network Assets  Routine expenditure  Project or programme*  IT Renewal  Lease Assets  * include additional rows if needed  All other projects or programmes - routine expenditure  Routine expenditure  Atypical expenditure  Project or programme*	(\$000)  (\$000)  (\$000)	1,734 1,734 (\$000)
112 113 114 115 116 117 118 119 120 121 122 124 125 126 127 128 129 130 131 132 133 134 135 136 137 137	Project or programme*  DRS protection programme Riddlers Crescent DRS Rationalisation Newlands disconnection HAB IP Valve Safety Improvement  * include additional rows if needed All other projects or programmes - other reliability, safety and environment Other reliability, safety and environment expenditure less Capital contributions funding other reliability, safety and environment Other reliability, safety and environment less capital contributions  6a(ix): Non-Network Assets Routine expenditure  Project or programme*  IT Renewal Lease Assets  * include additional rows if needed All other projects or programmes - routine expenditure Routine expenditure  Atypical expenditure  Project or programme*  Enterprise Asset Management System	(\$000)  (\$000)  (\$000)	1,734 1,734 (\$000)
112 113 114 115 116 117 118 119 120 121 122 123 124 125 126 127 128 130 131 132 133 134 135 136 137 138 139 140 141	Project or programme*  DRS protection programme Riddlers Crescent DRS Rationalisation Newlands disconnection HAB IP Valve Safety Improvement  * include additional rows if needed All other projects or programmes - other reliability, safety and environment Other reliability, safety and environment expenditure less Capital contributions funding other reliability, safety and environment Other reliability, safety and environment less capital contributions  6a(ix): Non-Network Assets Routine expenditure  Project or programme*  IT Renewal Lease Assets  * include additional rows if needed All other projects or programmes - routine expenditure Routine expenditure  Atypical expenditure  Project or programme*  Enterprise Asset Management System  * include additional rows if needed  * include additional rows if needed	(\$000)  (\$000)  (\$000)  172  1,226  (\$000)  (\$000)	1,734 1,734 (\$000)
112 113 114 115 116 117 118 119 120 121 122 123 124 125 126 127 128 130 131 132 133 134 135 136 137 138 139 140 141	Project or programme*  DRS protection programme Riddlers Crescent DRS Rationalisation  Newlands disconnection  HAB IP Valve Safety Improvement  * include additional rows if needed  All other projects or programmes - other reliability, safety and environment  Other reliability, safety and environment expenditure  less Capital contributions funding other reliability, safety and environment  Other reliability, safety and environment less capital contributions  6a(ix): Non-Network Assets  Routine expenditure  Project or programme*  IT Renewal  Lease Assets  * include additional rows if needed  All other projects or programmes - routine expenditure  Routine expenditure  Project or programme*  Enterprise Asset Management System  * include additional rows if needed  All other projects or programmes - atypical expenditure	(\$000)  (\$000)  (\$000)	1,734 1,734 (\$000)
112 113 114 115 116 117 118 119 120 121 122 123 124 125 126 127 128 130 131 132 133 134 135 136 137 138 139 140 141	Project or programme*  DRS protection programme Riddlers Crescent DRS Rationalisation Newlands disconnection HAB IP Valve Safety Improvement  * include additional rows if needed All other projects or programmes - other reliability, safety and environment Other reliability, safety and environment expenditure less Capital contributions funding other reliability, safety and environment Other reliability, safety and environment less capital contributions  6a(ix): Non-Network Assets Routine expenditure  Project or programme*  IT Renewal Lease Assets  * include additional rows if needed All other projects or programmes - routine expenditure Routine expenditure  Atypical expenditure  Project or programme*  Enterprise Asset Management System  * include additional rows if needed  * include additional rows if needed	(\$000)  (\$000)  (\$000)  172  1,226  (\$000)  (\$000)	1,734 1,734 (\$000)
112 113 114 115 116 117 118 119 120 121 122 123 124 125 126 127 128 130 131 132 133 134 135 136 137 138 139 140 141	Project or programme*  DRS protection programme Riddlers Crescent DRS Rationalisation  Newlands disconnection  HAB IP Valve Safety Improvement  * include additional rows if needed  All other projects or programmes - other reliability, safety and environment  Other reliability, safety and environment expenditure  less Capital contributions funding other reliability, safety and environment  Other reliability, safety and environment less capital contributions  6a(ix): Non-Network Assets  Routine expenditure  Project or programme*  IT Renewal  Lease Assets  * include additional rows if needed  All other projects or programmes - routine expenditure  Routine expenditure  Project or programme*  Enterprise Asset Management System  * include additional rows if needed  All other projects or programmes - atypical expenditure	(\$000)  (\$000)  (\$000)  172  1,226  (\$000)  (\$000)	1,734 1,734 (\$000)
112 113 114 115 116 117 118 119 120 121 122 123 124 125 126 127 128 130 131 131 132 133 134 135 136 137 138 139 140 141 141	Project or programme*  DRS protection programme Riddlers Crescent DRS Rationalisation  Newlands disconnection  HAB IP Valve Safety Improvement  * include additional rows if needed  All other projects or programmes - other reliability, safety and environment  Other reliability, safety and environment expenditure  less Capital contributions funding other reliability, safety and environment  Other reliability, safety and environment less capital contributions  6a(ix): Non-Network Assets  Routine expenditure  Project or programme*  IT Renewal  Lease Assets  * include additional rows if needed  All other projects or programmes - routine expenditure  Routine expenditure  Project or programme*  Enterprise Asset Management System  * include additional rows if needed  All other projects or programmes - atypical expenditure	(\$000)  (\$000)  (\$000)  172  1,226  (\$000)  (\$000)	1,734 1,734 (\$000)

## 12. Schedule 6b: Operational Expenditure

Company Name	Powerco Limited
For Year Ended	30 September 2017
is schedule requires a breakdown of operational expenditure incurred in the current disclosure year. GDBs must provide explanator planatory notes to templates). This includes explanatory comment on any atypical operational expenditure and assets replaced or retainnal expenditure, and additional information on insurance. Is information is part of audited disclosure information (as defined in section 1.4 of the ID determination), and so is subject to the a	renewed as part of asset replacement and renewal
ef	
6b(i): Operational Expenditure	(\$000) (\$000)
Service interruptions, incidents and emergencies	367
Routine and corrective maintenance and inspection	2,448
Asset replacement and renewal	2,890
Network opex	5,704
System operations and network support	3,871
Business support	5,863
Non-network opex	9,734
Operational expenditure	15,438
6b(ii): Subcomponents of Operational Expenditure (where known)	
Research and development	
Insurance	92
i	CHEDULE 6b: REPORT ON OPERATIONAL EXPENDITURE FOR THE DISCLOSURE YEAR s schedule requires a breakdown of operational expenditure incurred in the current disclosure year. GDBs must provide explanatory planatory notes to templates). This includes explanatory comment on any atypical operational expenditure and assets replaced or reational expenditure, and additional information on insurance. s information is part of audited disclosure information (as defined in section 1.4 of the ID determination), and so is subject to the a  eff  6b(i): Operational Expenditure  Service interruptions, incidents and emergencies Routine and corrective maintenance and inspection Asset replacement and renewal  Network opex  System operations and network support Business support Non-network opex  Operational expenditure  6b(ii): Subcomponents of Operational Expenditure (where known) Research and development

#### 13. Schedule 7: Forecast v Actual Expenditure

Company Name **Powerco Limited** 30 September 2017 For Year Ended SCHEDULE 7: COMPARISON OF FORECASTS TO ACTUAL EXPENDITURE This schedule compares actual revenue and expenditure to the previous forecasts that were made for the disclosure year. Accordingly, this schedule requires the forecast revenue and expenditure information from previous disclosures to be inserted. GDBs must provide explanatory comment on the variance between actual and target revenue and forecast expenditure in Schedule 14 (Mandatory Explanatory Notes). This information is part of the audited disclosure information (as defined in section 1.4 of the ID determination), and so is subject to the assurance report required by section 2.8. For the purpose of this audit, target revenue and forecast expenditures only need to be verified back to previous disclosures. 7(i): Revenue Target (\$000) Actual (\$000) 8 2% Line charge revenue 7(ii): Expenditure on Assets Forecast (\$000) <sup>2</sup> Actual (\$000) 10 Consumer connection 11 56% 12 System growth (14%) 13 Asset replacement and renewal 1.502 (27%)14 292 400 37% Asset relocations 15 Reliability, safety and environment: 16 Quality of supply 3,503 2,200 (37%) 17 Legislative and regulatory 18 Other reliability, safety and environment (30% 5.977 3.934 (34% 19 Total reliability, safety and environment (2%) Expenditure on network assets 13.972 13.675 21 Expenditure on non-network assets 2,155 2,616 21% 22 **Expenditure on assets** 16,127 16,291 1% 7(iii): Operational Expenditure 23 (12%) 24 Service interruptions, incidents and emergencies 367 25 Routine and corrective maintenance and inspection 18% 3,076 26 Asset replacement and renewal 2,890 (6%) Network opex 5,562 5,704 3% 28 System operations and network support 4,283 3,871 (10%) 29 Business support 5,863 (14%)30 Non-network opex 9,734 (12% 31 Operational expenditure 16,648 15,438 (7%) 7(iv): Subcomponents of Expenditure on Assets (where known) 32 33 7(v): Subcomponents of Operational Expenditure (where known) 34 35 Research and development 36 37 1 From the nominal dollar target revenue for the pricing 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 38 disclosure year (the second to last disclosure of Schedules 11a and 11b)

#### 14. Schedule 8: Billed Quantities and Line Charge Revenue

Company Name **Powerco Limited** 30 September 2017 For Year Ended **Powerco Limited** Network / Sub-Network Name SCHEDULE 8: REPORT ON BILLED QUANTITIES AND LINE CHARGE REVENUES This schedule requires the billed quantities and associated line charge revenues for the disclosure year for each consumer group or price category code used by the GDB in its pricing schedules. Information is also required on the number of ICPs that are included in each consumer group or price category code, and the energy delivered to these ICPs. sch ref 8(i): Billed quantities by price component Add extra columns Billed quantities by price component for additional billed quantities by price component as Variable Price component Fixed necessary 10 Unit charging basis (eg, Standard or non-GI Days days, GJ, etc.) Consumer group name or price category Consumer type or types (eg, residential, standard consumer Average no. of ICPs Quantity of gas commercial, etc.) group (specify) in disclosure year delivered (TJ) 12 13 esidential tandard 26,183 316 315,589 14 esidential / Small Commercial andard 76 931 2.853 28 079 633 2 853 481 15 tandard 1,788 445 16 541 445 197,465 444,720 tandard ommercial 17 ommercial tandard 577.696 18 tandard 194 20.075 193.648 19 on-standard 458.784 ommercial 20 3,435 30,837 3,434,589 ndustrial on-standard 21 22 23 24 25 Add extra rows for additional consumer groups or price category codes as necessary 26 Standard consumer totals 105,781 4,830 4,829,911 27 225 3,893 63,692 3,893,374 Non-standard consumer totals 28 29 106,006 Total for all consumers 8,723 29,117,145 8,723,285

51

\$20,769

\$32,866

Company Name **Powerco Limited** 30 September 2017 For Year Ended Network / Sub-Network Name **Powerco Limited** SCHEDULE 8: REPORT ON BILLED QUANTITIES AND LINE CHARGE REVENUES This schedule requires the billed quantities and associated line charge revenues for the disclosure year for each consumer group or price category code used by the GDB in its pricing schedules. Information is also required on the number of ICPs that are included in each consumer group or price category code, and the energy delivered to these ICPs. 30 8(ii): Line charge revenues (\$000) by price component 31 32 Add extra columns Line charge revenues (\$000) by price component for additional line charge revenues by Variable Price component Fixed price component as 33 necessary Notional revenue Standard or non-Total line charge foregone from Rate (eg, \$ per day, \$ per \$/day \$/GJ Consumer group name or price category Consumer type or types (eg, residential, standard consumer revenue in posted discounts (if GJ, etc.) 34 code commercial, etc.) group (specify) disclosure year applicable) 35 36 esidential tandard \$6,045 \$6,045 37 esidential / Small Commercial \$32,538 \$16,250 \$16,288 Standard 38 ommercial tandard \$2,990 \$750 \$2,240 39 G14 ommercial tandard \$2,826 \$967 \$1,859 G16 \$2,956 \$2,257 40 ommercial tandard \$699 41 G18 ommercial tandard \$845 \$219 \$626 42 ommercial lon-standard \$1,217 \$393 \$824 43 \$1,492 \$2,727 G40 ndustrial lon-standard \$4,219 44 45 46 47 48 Add extra rows for additional consumer groups or price category codes as necessary 49 \$18,884 Standard consumer totals \$48,199 \$29,315 50 \$5,436 \$1.885 \$3.551 Non-standard consumer totals

\$53,635

Total for all consumers

POWERCO LIMITED **GAS INFORMATION DISCLOSURE 2017** 

> Company Name For Year Ended Network / Sub-Network Name

Powerco Limited 30 September 2017 **Central Region** 

		uantities and associated line charge s that are included in each consume		•			the GDB in its pri	cing schedules. Ir	nformati	ion is	
f											
	8(i): Billed quanti	ties by price component									
	O(1)1 Dilliou qualiti	tics by price component					Rilled quantities	by price compone	ont		Add extra colu
							Dilled qualitities	by price compone	CIIC		for additional b
						Price component	Fixed	Variable			quantities by p
											necessary
			Standard or non-	Average no. of		Unit charging basis					
	Consumer group name	Consumer type or types (eg,	standard consumer	ICPs in disclosure	Quantity of gas	(eg, days, GJ, etc.)	Days	GJ			
	or price category code	residential, commercial, etc.)	group (specify)	year	delivered (TJ)	(10)					
		1	I							П	_
	G06 G11	Residential Residential / Small Commercial	Standard Standard	12,167 31,008	980		11,317,738	143,513 979,976			_
	G11 G12	Commercial	Standard	700	193		255,318	192,655			
	G12 G14	Commercial	Standard	281	246		102,383	245,785			
	G16	Commercial	Standard	166	333		60,408	332,536			
	G18	Commercial	Standard	35	145		12,593	144,557			
	G30	Commercial	Non-standard	22	137		5,840	137,189			
	G40	Industrial	Non-standard	70	2,776		23,599	2,776,262			
	Add extra rows for add	itional consumer groups or price cate									
			andard consumer totals	44,354	2,039		11,748,438	2,039,022	-	-	
			andard consumer totals  Total for all consumers	92 44,446	2,913 4,952		29,439 11,777,877	2,913,450 4,952,473		-	-
			iotal for all consumers	44,446	4,952		11,///,8//	4,952,473		-	

Company Name **Powerco Limited** 30 September 2017 For Year Ended **Central Region** Network / Sub-Network Name **SCHEDULE 8: REPORT ON BILLED QUANTITIES AND LINE CHARGE REVENUES** This schedule requires the billed quantities and associated line charge revenues for the disclosure year for each consumer group or price category code used by the GDB in its pricing schedules. Information is also required on the number of ICPs that are included in each consumer group or price category code, and the energy delivered to these ICPs. 30 8(ii): Line charge revenues (\$000) by price component 31 Add extra columns 32 Line charge revenues (\$000) by price component for additional line charge revenues by Variable Price component Fixed price component as 33 necessary Notional Standard or non-Total line charge revenue Rate (eg, \$ per day, \$ \$/day \$/GJ Consumer group name Consumer type or types (eg, standard consumer revenue in per GJ, etc.) foregone from 34 or price category code residential, commercial, etc.) group (specify) disclosure year posted discounts 35 Residential 36 G06 Standard 2,637 2,637 G11 37 Residential / Small Commercial Standard 11,214 6.494 4.720 G12 38 Commercial Standard 1.130 379 751 G14 417 39 Commercial Standard 1,120 703 G16 314 1,046 40 Commercial Standard 1,359 41 G18 Commercial Standard 501 118 383 G30 414 114 299 42 Commercial Non-standard **G40** 1.273 1.986 43 ndustrial Non-standard 44 45 46 47 48 Add extra rows for additional consumer groups or price category codes as necessary \$10.240 49 Standard consumer totals \$17.961 \$7,722 50 \$3,673 \$1,387 \$2,286 Non-standard consumer totals \$21,634 51 \$9,109 \$12,526 Total for all consumers

Company Name
Powerco Limited

For Year Ended
So September 2017
Lower Network

								For Year Ended	30 Septe	ember 2017
							Network / Sub-	Network Name	Lower	Network
sc	hedule requires the bille	RT ON BILLED QUANT and quantities and associated line of that are included in each consum	charge revenues for th	ne disclosure year for	each consumer grou	p or price category code used by the G	GDB in its pricing s	schedules. Information	is also	
	8(i): Billed qua	ntities by price compon	ent							
		,, ,					Billed quantities I	by price component		Add extra columns
						Price component	Fixed	Variable		for additional billed quantities by price component as necessary
	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	Quantity of gas delivered (TJ)	Unit charging basis (eg, days, GJ, etc.)	Days	GJ		
	G06	Residential	Standard	14,016	172		-	172,077		
	G11	Residential / Small Commercial	Standard	45,923	1,874		16,761,895	1,873,504		
	G12	Commercial	Standard	1,088	252		397,120	252,122		
	G14	Commercial	Standard	261	199		95,083	198,934		
	G16	Commercial	Standard	119	245		43,435	245,160		
	G18	Commercial	Standard	21	49		7,483	49,091		
	G30	Commercial	Non-standard	102	322		27,015	321,596		
	G40	Industrial	Non-standard	31	658		7,238	658,328		
			-						+	
	Add outen rows for	additional concurrence are used as a second	a contact of the cont							
	Ada extra rows for	additional consumer groups or price	e category codes as no ard consumer totals	61,427	2,791		17,305,015	2,790,889		7
			ard consumer totals	133	980		34,253	979,923		
			al for all consumers	61,560	3,771		17,339,268	3,770,812		
		Tota	a ioi an consumers	01,300	5,771		17,333,200	3,770,012		

Company Name **Powerco Limited** 30 September 2017 For Year Ended **Lower Network** Network / Sub-Network Name SCHEDULE 8: REPORT ON BILLED QUANTITIES AND LINE CHARGE REVENUES This schedule requires the billed quantities and associated line charge revenues for the disclosure year for each consumer group or price category code used by the GDB in its pricing schedules. Information is also required on the number of ICPs that are included in each consumer group or price category code, and the energy delivered to these ICPs. sch ref 30 8(ii): Line charge revenues (\$000) by price component 31 32 Add extra columns Line charge revenues (\$000) by price component for additional line charge revenues by Variable Price component Fixed price component as 33 necessary Notional revenue Consumer group Standard or non-Total line charge foregone from Rate (eg, \$ per day, \$ \$/day \$/GJ name or price Consumer type or types (eg, standard consumer posted discounts (if revenue in per GJ, etc.) residential, commercial, etc.) 34 category code group (specify) disclosure year applicable) 35 36 Residential Standard 3 409 3 409 37 G11 Residential / Small Commercial Standard 21,317 9.756 11.561 G12 38 Commercial Standard 1,860 371 1,489 39 G14 Commercial Standard 1,706 550 1,156 G16 Commercial 385 40 tandard 1,597 1,212 G18 101 244 41 tandard 345 Commercial G30 278 524 42 Commercial Non-standard 803 G40 219 43 ndustrial Non-standard 964 745 44 45 46 47 48 Add extra rows for additional consumer groups or price category codes as necessary 49 Standard consumer totals \$30,234 \$11,163 \$19,071 50 \$1,767 \$498 \$1,269 Non-standard consumer totals 51 \$32,000 \$11,660 \$20,340 Total for all consumers

### 15. Schedule 9a: Asset Register

			Cor	npany Name		Powerco I	Limited	
			Fo	r Year Ended		30 Septem	ber 2017	
			Network / Sub-ne	1		Powerco I	Limited	
٠.	HEDULE 9a: ASSET F	COURTED .	Network / Sub-ne	twork rearrie				
nis s	schedule requires a summary	of the quantity of assets that make up th	ie network, by asset category and asse	t class.				
ref								
ı								
					Items at start of	Items at end of		
8	Operating Pressure	Asset Category	Asset Class	Units	year (quantity)	year (quantity)	Net change	Data accuracy (1–4
9	Intermediate Pressure	Main pipe	IP PE main pipe	km	1	1	(0)	
,	Intermediate Pressure	Main pipe	IP steel main pipe	km	264	264	0	
1	Intermediate Pressure	Main pipe	IP other main pipe	km	-	-		
2	Intermediate Pressure	Service pipe	IP PE service pipe	km	0	0	0	
3	Intermediate Pressure	Service pipe	IP steel service pipe	km	11	11	(0)	
ı	Intermediate Pressure	Service pipe	IP other service pipe	km	1	1	0	
ı	Intermediate Pressure	Stations	Intermediate pressure DRS	No.	130	130	-	
	Intermediate Pressure	Line valve	IP line valves	No.	812	808	(4)	)
l	Intermediate Pressure	Special crossings	IP crossings	No.	111	104	(7)	)
	Medium Pressure	Main pipe	MP PE main pipe	km	3,433	3,469	36	
1	Medium Pressure	Main pipe	MP steel main pipe	km	153	152	(2)	)
1	Medium Pressure	Main pipe	MP other main pipe	km	33	31	(2)	)
l	Medium Pressure	Service pipe	MP PE service pipe	km	1,824	1,859	35	
	Medium Pressure	Service pipe	MP steel service pipe	km	52	51	(1)	)
3	Medium Pressure	Service pipe	MP other service pipe	km	54	54	(0)	)
	Medium Pressure	Stations	Medium pressure DRS	No.	68	67	(1)	)
	Medium Pressure	Line valve	MP line valves	No.	1,471	1,492	21	
	Medium Pressure	Special crossings	MP special crossings	No.	259	236	(23)	
1	Low Pressure	Main pipe	LP PE main pipe	km	34	30	(4)	
	Low Pressure	Main pipe	LP steel main pipe	km	4	4	(0)	
	Low Pressure	Main pipe	LP other main pipe	km	1	1	(0)	
	Low Pressure	Service pipe	LP PE service pipe	km	15	11	(3)	
	Low Pressure	Service pipe	LP steel service pipe	km	1	1	(0)	
	Low Pressure	Service pipe	LP other service pipe	km	1	1	0	
1	Low Pressure	Line valve	LP line valves	No.	219	220	1	
1	Low Pressure	Special crossings	LP special crossings	No.	5	2	(3)	
5	All	Monitoring and control systems	Remote terminal units	No.	75	159	84	

<b>ULE 9a: ASSET</b> ule requires a summary		For	Voss Foded				
			Year Ended		30 Septem	ber 2017	
		Network / Sub-ne	twork Name		Central N	etwork	
uie requires a summary							
	for the quantity of assets that make up to	ie network, by asset category and asse	cciass.				
erating Pressure	Asset Category	Asset Class	Units	Items at start of year (quantity)	Items at end of year (quantity)	Net change	Data accuracy (1-
termediate Pressure	Main pipe	IP PE main pipe	km	1	1	0	
termediate Pressure	Main pipe	IP steel main pipe	km	105	105	0	
termediate Pressure	Main pipe	IP other main pipe	km	-	-		
termediate Pressure	Service pipe	IP PE service pipe	km	0	0	0	
termediate Pressure	Service pipe	IP steel service pipe	km	3	3	0	
termediate Pressure	Service pipe	IP other service pipe	km	0	0	0	
termediate Pressure	Stations	Intermediate pressure DRS	No.	52	52		
termediate Pressure	Line valve	IP line valves	No.	161	156	(5	)
termediate Pressure	Special crossings	IP crossings	No.	57	55	(2	)
ledium Pressure	Main pipe	MP PE main pipe	km	1,805	1,818	14	
ledium Pressure	Main pipe	MP steel main pipe	km	140	138	(2	)
ledium Pressure	Main pipe	MP other main pipe	km	20	18	(2	)
ledium Pressure	Service pipe	MP PE service pipe	km	976	991	15	
ledium Pressure	Service pipe	MP steel service pipe	km	41	40	(1	)
ledium Pressure	Service pipe	MP other service pipe	km	29	29	(0	)
ledium Pressure	Stations	Medium pressure DRS	No.	45	44	(1	)
ledium Pressure	Li ne valve	MP line valves	No.	885	874	(11	)
ledium Pressure	Special crossings	MP special crossings	No.	163	147	(16	)
w Pressure	Main pipe	LP PE main pipe	km	3	3	0	
w Pressure	Main pipe	LP steel main pipe	km	3	3	(0	)
w Pressure	Main pipe	LP other main pipe	km	0	0	0	
w Pressure	Service pipe	LP PE service pipe	km	3	3	0	
w Pressure	Service pipe	LP steel service pipe	km	0	0	(0	
w Pressure	Service pipe	LP other service pipe	km	1	1	(0	)
w Pressure	Li ne valve	LP line valves	No.	13	13		
	Special crossings	LP special crossings	No.	-	-		
ow Pressure	Monitoring and control systems	Remote terminal units	No.	36	54	18	
w P	ressure	ressure Line valve ressure Special crossings	ressure Line valve LP line valves ressure Special crossings LP special crossings	ressure Line valve LP line valves No. ressure Special crossings LP special crossings No.	ressure Line valve LP line valves No. 13 ressure Special crossings LP special crossings No.	ressure Une valve LP line valves No. 13 13 ressure Special crossings LP special crossings No.	ressure Une valve LP line valves No. 13 13 ressure Special crossings LP special crossings No

			Con	pany Name		Powerco	Limited	
			Fo	Year Ended		30 Septem	ber 2017	
						Lower N		
			Network / Sub-ne	twork Name (		Lower N	etwork	
SC	HEDULE 9a: ASSET F	REGISTER						
Γhis	schedule requires a summary	of the quantity of assets that make up th	e network, by asset category and asse	t class.				
h ret	f							
1,0								
8	Operating Pressure	Asset Category	Asset Class	Units	Items at start of year (quantity)	Items at end of year (quantity)	Net change D	ata accuracy (1–4
9	Intermediate Pressure	Main pipe	IP PE main pipe	km	year (quantity)	year (quantity)	(0)	3
10	Intermediate Pressure	Main pipe	IP steel main pipe	km	159	159	(0)	
11	Intermediate Pressure	Main pipe	IP other main pipe	km	159	159	(0)	3
12	Intermediate Pressure	Service pipe	IP PE service pipe	km	0	0	0	3
13	Intermediate Pressure	Service pipe	IP steel service pipe	km	8	8	(0)	3
14	Intermediate Pressure	Service pipe	IP other service pipe	km	1	1	0	3
15	Intermediate Pressure	Stations	Intermediate pressure DRS	No.	78	78	_	3
16	Intermediate Pressure	Line valve	IP line valves	No.	651	652	1	
17	Intermediate Pressure	Special crossings	IP crossings	No.	54	49	(5)	
8	Medium Pressure	Main pipe	MP PE main pipe	km	1,628	1,650	22	
19	Medium Pressure	Main pipe	MP steel main pipe	km	13	13	(0)	
20	Medium Pressure	Main pipe	MP other main pipe	km	13	13	(0)	3
21	Medium Pressure	Service pipe	MP PE service pipe	km	848	868	20	3
22	Medium Pressure	Service pipe	MP steel service pipe	km	11	11	(0)	
23	Medium Pressure	Service pipe	MP other service pipe	km	25	25	(0)	3
24	Medium Pressure	Stations	Medium pressure DRS	No.	23	23	-	3
25	Medium Pressure	Li ne valve	MP line valves	No.	586	618	32	
26	Medium Pressure	Special crossings	MP special crossings	No.	96	89	(7)	
27	Low Pressure	Main pipe	LP PE main pipe	km	31	27	(4)	
28	Low Pressure	Main pipe	LP steel main pipe	km	1	1	(0)	
9	Low Pressure	Main pipe	LP other main pipe	km	1	1	(0)	
80	Low Pressure	Service pipe	LP PE service pipe	km	12	9	(3)	
31	Low Pressure	Service pipe	LP steel service pipe	km	1	1	(0)	
32	Low Pressure	Service pipe	LP other service pipe	km	0	0	(0)	
33	Low Pressure	Li ne valve	LP line valves	No.	206	207	1	
34	Low Pressure	Special crossings	LP special crossings	No.	5	2	(3)	
35	All	Monitoring and control systems	Remote terminal units	No.	39	105	66	4
36	All	Cathodic protection systems	Cathodic protection	No.	9	15	6	

### 16. Schedule 9b: Asset Age Profile

																									Co	mpany	/ Name	P	owerco Limited	
																									F	or Year	r Ended	30	September 2017	
																							٨	etwork	/ Sub-r	etwork	k Name	P	owerco Limited	
SCF	EDULE 9b: ASSE	T AGE PROFILE																												
		nary of the age profile (based on ye	ar of installation) of the accets	that make up	the network	by accet	atogory a	ad accet o	lace																					
11115 5	chedule requires a summ	iary of the age profile (based off ye	ar or mistariation) or the assets	ulat make up	tile lietwork,	by asset (	a tegoi y a	iu asset t	.1055.																					
sch ref																														
8		Disclosure Year (year ended)	30 September 2017							Numbe	r of asse	ets at disc	osure v	ear end b	v installa	tion date														
													,		,															
/ //																													Items at end No. with	
q	Operating Pressure	Asset Category	Asset Class	Units pre-1	1970 1970 –1974		1980 -1984	1985-	1990 -1994	1995 -1999	2000	2001	2002	2003	2004	2005	2006	2007 2	2008	2009	2010	2011	2012	2013	2014	2015	2016	age 2017 unknowr	of year default (quantity) dates	
10	Intermediate Pressure		IP PE main pipe	km Pre 1	-	-	-	-	-	-				-		_		-	-		-		1	-		0	0	_	1	-
11	Intermediate Pressure	* * * * * * * * * * * * * * * * * * * *	IP steel main pipe	km	6 6	57 3	1 93	44	12	4	4	0	0	0	0	0	0	0	0	0	0	0	0	-	0	0	0	0	264	-
12	Intermediate Pressure		IP other main pipe	km	-	-	-	-	-	-	-		-	-	-		-	-	_		-	-	-	-	-			-	-	1
13	Intermediate Pressure	Service pipe	IP PE service pipe	km	-	0	0 0	0	0	0	-	-	-	-		-	-	0	0	0	0	-	0	-	-	0	_		0	-
14	Intermediate Pressure	Service pipe	IP steel service pipe	km	0	1	2 3	3	1	0	0	0	-	0	0	0	0	0	0	0	0	0	0	0	-	0	_	0	11	-
15	Intermediate Pressure	Service pipe	IP other service pipe	km	_	0	) 1	0	_	_	0	-	-	-	_	0	_	-	_	0	-	_	-	_	-	0	_		1	-
16	Intermediate Pressure	Stations	Intermediate pressure DRS	No.	1	2	2 35	29	26	1	-	_	-	1	2	2	2	1	2	-	2	3	3	_	2	8	3	3	130	-
17	Intermediate Pressure	Line valve	IP line valves	No.	3 5	3 4	123	393	73	16	3	1	-	3	3	9	6	6	9	8	11	14	14	5	2	5	3	3 -	808	-
18	Intermediate Pressure	Special crossings	IP crossings	No.	1	9	61	16	4	5	2	-	-	-	-	-	-	-	-	-	-	-	-	-	-		1		104	-
19	Medium Pressure	Main pipe	MP PE main pipe	km	2 4	10 18	590	634	700	670	62	51	40	29	53	49	46	48	47	26	21	24	29	19	27	26	27	25	3,469	-
20	Medium Pressure	Main pipe	MP steel main pipe	km	6 5	8 2	5 24	24	7	6	1	0	0	0	0	0	-	0	0	0	0	0	0	-	0	0	0	0	152	-
21	Medium Pressure	Main pipe	MP other main pipe	km	1	1	5 8	9	3	3	0	0	0	0	0	0	0	0	0	0	0		-	_	-		_	0	31	-
22	Medium Pressure	Service pipe	MP PE service pipe	km	5 1	16 8	326	312	372	307	35	29	28	25	26	23	22	25	21	18	21	21	23	20	21	25	27	22	1,859	
23	Medium Pressure	Service pipe	MP steel service pipe	km	1 1	10 1	_	6	5	5	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	-	0	51	-
24	Medium Pressure	Service pipe	MP other service pipe	km	1	1	2 24	14	8	2	0	0	0	0	1	0	0	0	0	0	0	0	0	0	0	0	0	0	54	
25	Medium Pressure	Stations	Medium pressure DRS	No.	-	-	- 7	34		1		-	1	-	-	2	-	-	-	1	-	2	2	-	2	2		-	67	+
26	Medium Pressure	Line valve	MP line valves	No.	4 1			604	254	27	1	2	11	11	22	17	26	21	33	36	46	52	57	28	42	44	17	25	1,492	+
27	Medium Pressure	Special crossings	MP special crossings	No.	2 1	0	7 87	51	31 15	21	3	6	2		1	0	-	-	1	3	0	-	-	0		_	-	-	236	+
28 29	Low Pressure	Main pipe	LP PE main pipe  LP steel main pipe	km km	0	U	2	5	15	3	0	0	-	1	0	0	0	0	1	U	0	0	0	0	2	0	0	U ·	30	+
30	Low Pressure Low Pressure	Main pipe Main pipe	LP other main pipe	km	U	1	- 0	-	3 n	1		$\vdash$					-				-		0		0		$\vdash$	0	1	+-
31	Low Pressure	Service pipe	LP PE service pipe	km	0	0	1	2	1	2	0	0	0	0	n	0	0	0	0	0	0	n	n	n	0	0	0	0	11	+
32	Low Pressure	Service pipe	LP steel service pipe	km	0	0	) 0	0	0	0	n	0	n	0	n	0		-	0	0		-	n	-	n	-	ا ا	0	1	_
33	Low Pressure	Service pipe	LP other service pipe	km	0	-	) 0	n	n	n	n	-	n	n	-	_	0		0		0	n	n		n	n	0	0	1	
34	Low Pressure	Line valve	LP line valves	No.	-		- 3	4	137	6	-		2	2	3	2	4	6	5	5	7	2	4	2	12	4	ال	10	220	1
35	Low Pressure	Special crossings	LP special crossings	No.	-	-		-	1	1	-	-		-	-	-	-	-	-	-	-	-	-	-	-				2	-
36	All	Monitoring and control system		No.	-	-		-	_	1		_	-	1	-	9	-	1	1	50	14	20	19	_	21	5	1	16	159	-
37	All	Cathodic protection systems	Cathodic protection		1 1		1					_		_		-							_				<del></del>		52	$\overline{}$

POWERCO LIMITED

Company Name Powerco Limited 30 September 2017 For Year Ended Network / Sub-network Name Central Network

#### SCHEDULE 9b: ASSET AGE PROFILE

Thi	schedule requires a sumn	nary of the age profile (based on ye	ar of installation) of the asset	ts that m	ake up th	e network,	, by asset	category	and ass	et class.																							
sch re	f																																
8		Disclosure Year (year ended)	30 September 2017									lumber of	assets at	disclosure	e year en	d by insta	llation dat	e															
																														No. with	Items at end	No. with	Data
					pre-			1980																						age	of year	default	accuracy
9	Operating Pressure	Asset Category	Asset Class	Units	1970	-1974	-1979	-1984	1989	-1994	-1999	2000	2001	2002	2003	2004	2005	2006	2007	2008	2009	2010	2011	2012	2013	2014	2015	2016	2017	unknown	(quantity)	dates	(1-4)
10	Intermediate Pressure		IP PE main pipe	km	-	-	-	-	-	-		-	-	-	-	-	-	-	-	-	-	-	-	1	-	-		-	-		1		3
11	Intermediate Pressure		IP steel main pipe	km	2	12	7	57	19	7	0	0	0	0	-	0	0	0	0	0	0	0	-	0	-	0	0	0		-	105		3
12	Intermediate Pressure		IP other main pipe	km	-	-	-	-	-	-		-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-		3
13	Intermediate Pressure	Service pipe	IP PE service pipe	km	-	-	-	0	0	-	0	-	-	-	-	-	-	-	-	-	0	-	-	-	-	-	-	-	-	-	0		3
14	Intermediate Pressure	Service pipe	IP steel service pipe	km	0	0	1	1	1	0	0	0	-	-	-	0	0	-	0	0	-	-	0	-	0	-	-	-	-	-	3		3
15	Intermediate Pressure	Service pipe	IP other service pipe	km	-	-	-	-	0	-		-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	0		3
16	Intermediate Pressure	Stations	Intermediate pressure DRS	No.	-	-	-	3	28	12		-	-	-	-	1	2	-	1	-	-	1	-	1	-	-	2	1	-	-	52	_	3
17	Intermediate Pressure	Line valve	IP line valves	No.	-	-	-	10	91	29		-	-	-	-	1	3	1	-	1	3	5	2	6	4	-	-	-	-	-	156	_	3
18	Intermediate Pressure	Special crossings	IP crossings	No.	-	5	3	30	16	-	1	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	55	-	3
19	Medium Pressure	Main pipe	MP PE main pipe	km	2	15	61	371	441	305	280	32	30	23	13	21	27	32	29	27	14	10	16	16	8	12	11	13	8	-	1,818	-	3
20	Medium Pressure	Main pipe	MP steel main pipe	km	6	55	23	20	22	5	4	1	0	0	0	0	0	-	0	0	0	0	-	0	-	0	0	0	-	-	138	-	3
21	Medium Pressure	Main pipe	MP other main pipe	km	1	1	3	4	7	1	1	0	0	0	-	0	-	0	0	0	0	-	-	-	-	-	-	-	-	-	18	_	3
22	Medium Pressure	Service pipe	MP PE service pipe	km	2	12	67	164	217	194	134	17	12	10	11	11	11	12	12	10	9	10	10	11	10	9	11	13	11	-	991	_	3
23	Medium Pressure	Service pipe	MP steel service pipe	km	1	9	13	7	6	3	1	0	0	0	0	0	0	0	0	0	-	0	0	-	0	0	-	-	-		40	-	] 3
24	Medium Pressure	Service pipe	MP other service pipe	km	1	1	1	6	12	7	0	0	0	0	0	1	0	0	0	0	0	0	0	0	-	-	-	0			29	-	] 3
25	Medium Pressure	Stations	Medium pressure DRS	No.	-	-	-	-	34	6	1	-	-	-	-	-	2	-	-	_	-	-	-	-	-	-	1	-			44	_	] 3
26	Medium Pressure	Line valve	MP line valves	No.	3	7	12	31	466	123	16	1	1	6	8	9	8	14	11	11	18	14	28	30	20	10	13	6	8	-	874		3
27	Medium Pressure	Special crossings	MP special crossings	No.	1	17	-	43	50	18	5	3	3	2	-	1	1	_	-	_	2	-	-	-	1	_		-			147		3
28	Low Pressure	Main pipe	LP PE main pipe	km	-	0	-	0	0	0	0	0	-	_	1	-	-	-	-	1	0	-	-	-	-	1		-			3		3
29	Low Pressure	Main pipe	LP steel main pipe	km	-	-	0	0	0	3	0	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-		3	-	3
30	Low Pressure	Main pipe	LP other main pipe	km	-	-	-	0	-	0		-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	0	-	3
31	Low Pressure	Service pipe	LP PE service pipe	km	0	0	0	0	1	1	1	0	0	0	0	0	0	0	-	0	0	0	0	0	0	0	-	0	0	-	3		3
32	Low Pressure	Service pipe	LP steel service pipe	km	0	-	0	0	0	0	0	-	0	-	-	-	-	-	-	0	-	-	-	-	-	-	-	-	-	-	0	-	3
33	Low Pressure	Service pipe	LP other service pipe	km	0	-	0	0	0	0	0	0	-	0	0	-	-	-	-	0	-	0	-	-	-	-	-	-	-	-	1	-	3
34	Low Pressure	Line valve	LP line valves	No.	-	-	-	-	2	2	2	-	-	-	-	-	-	-	-	-	-	1	-	-	-	6	-	-	-	-	13	-	3
35	Low Pressure	Special crossings	LP special crossings	No.	-	-	-	-	-	-		-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-			-	3
36	All	Monitoring and control system		No.	-	-	-	-	-	-		-	-	-	-	-	3	-	-	-	8	-	15	18	-	8	1	1			54	-	4
37	All	Cathodic protection systems	Cathodic protection	No.	1	9	3	7	4	3	3	3	1	1	-	1	1	-	-	-	-	-	-	-	-	-	-	-	-	-	37	_	3
						· ·				•	•	•	•			•				•	•		•	•	•	•							

POWERCO LIMITED GAS INFORMATION DISCLOSURE 2017

 Company Name
 Powerco Limited

 For Year Ended
 30 September 2017

 Network / Sub-network Name
 Lower Network

#### SCHEDULE 9b: ASSET AGE PROFILE

his schedule requires a summary of the age profile (based on year of installation) of the assets that make up the network, by asset category and asset clas

	IIS SCI	nedure requires a summi	ary of the age profile (based on yea	ar of installation) of the asset	s tnat m	ake up tn	enetwork	, by asset	category	and asse	et class.																						
sch	ref																																
	8		Disclosure Year (year ended)	30 September 2017								N	umber of	assets at d	isclosure yea	end by insta	llation da	te															
																														No. with	Items at end	No. with	Data
								1975				1995																		age	of year	default	accuracy
			Asset Category	Asset Class	Units	1970	-1974	-1979	-1984	1989	-1994	-1999	2000	2001	2002 200	3 2004	2005	2006	2007	2008	2009	2010	2011	2012	2013	2014	2015	2016	2017	unknown	(quantity)	dates	(1-4)
1	0	Intermediate Pressure		IP PE main pipe	km	-	-	-	-	-	-	-	-	-	-	-		-	-	-	-	-	-	-	-	-	0	0	-	-	0	-	3
1	1	Intermediate Pressure	Main pipe	IP steel main pipe	km	4	55	26	36	25	5	4	3	0	0	0 -	0	0	0	0	0	0	0	0	-	0	0	0	0	-	159	-	3
1	2	Intermediate Pressure	Main pipe	IP other main pipe	km	-	-	-	-	-	-	-	-	-	-			-	-	-	-	-	-	-	-	-		-	-	-	-	-	3
1	3	Intermediate Pressure	Service pipe	IP PE service pipe	km	-	0	0	0	-	0	0	-	-	-			-	0	0	-	0	-	0	-	-	0	-	-	-	0	-	3
1	4	Intermediate Pressure	Service pipe	IP steel service pipe	km	0	1	1	3	2	0	0	0	0	-	0 0		0	0	0	0	0	0	0	0	-	0	-	0	-	8	-	3
1	5	Intermediate Pressure	Service pipe	IP other service pipe	km	-	0	0	1	0	-	-	0	-	-		0	-	-	-	0	-	-	-	-	-	0	-	-	-	1	-	3
1	6	Intermediate Pressure	Stations	Intermediate pressure DRS	No.	1	2	2	32	1	14	1	-	-	-	1 1		2	-	2	-	1	3	2	-	2	6	2	3	-	78	-	3
1	7	Intermediate Pressure	Line valve	IP line valves	No.	3	53	42	113	302	44	16	3	1	-	3 2	6	5	6	8	5	6	12	8	1	2	5	3	3	-	652	-	3
1	8	Intermediate Pressure	Special crossings	IP crossings	No.	1	4	2	31	-	4	4	2	-	-			_	-	-	-	-	-	-	-	-		1	-	-	49	_	3
1	9	Medium Pressure	Main pipe	MP PE main pipe	km	0	24	123	219	193	396	390	30	21	16	16 32	22	14	19	20	12	11	8	13	11	15	15	14	16		1,650	-	3
2	0	Medium Pressure	Main pipe	MP steel main pipe	km	-	2	3	3	1	2	2	0	0	-	- 0	0	-	-	0	-	0	0	0	-	0	0	0	0		13	-	3
2	1	Medium Pressure	Main pipe	MP other main pipe	km	-	0	2	5	2	2	2	0	0	0	0 0	0	0	-	0	0	0	-	-	-	-		-	0	-	13	-	3
2	2	Medium Pressure	Service pipe	MP PE service pipe	km	3	5	19	163	95	178	173	17	18	17	13 15	13	11	13	11	9	10	11	12	11	12	14	15	11		868	-	3
2	3	Medium Pressure	Service pipe	MP steel service pipe	km	0	0	1	2	0	3	4	0	0	0	0 0	0	0	0	0	0	-	-	0	-	0	0	-	0	-	11	-	3
2	4	Medium Pressure	Service pipe	MP other service pipe	km	0	0	1	18	1	1	1	0	0	0	0 0	0	0	0	0	0	0	0	0	0	0	0	0	0		25	-	3
2	5	Medium Pressure	Stations	Medium pressure DRS	No.	-	-	-	7	-	7	-	-	_	1	-		-	-	-	1	-	2	2	-	2	1	-	-	-	23	-	3
2	6	Medium Pressure	Line valve	MP line valves	No.	1	6	25	31	138	131	11	-	1	5	3 13	9	12	10	22	18	32	24	27	8	32	31	11	17	-	618	-	3
2	7	Medium Pressure	Special crossings	MP special crossings	No.	1	-	7	44	1	13	16	-	3	-		2		-	1	1		-	-		-		-	-		89	-	3
2	8	Low Pressure	Main pipe	LP PE main pipe	km	-	0	0	2	5	14	3	0	0	-	0 0	0	0	0	0	0	0	0	0	0	0	0	0	0		27		3
2	9	Low Pressure	Main pipe	LP steel main pipe	km	0	-	0	0	0	0	0	-	-	-			-	-	-	-	-	-	0	-	0			-		1	-	3
3	0	Low Pressure	Main pipe	LP other main pipe	km	-	-	_	-	-	0	0	-	-	-				_	-	-		-	-	-	0			0	-	1	_	3
3	1	Low Pressure	Service pipe	LP PE service pipe	km	0	0	0	1	1	3	1	0	0	0	0 0	0	0	0	0	0	0	0	0	0	0	0	0	0		9	-	3
3	2	Low Pressure	Service pipe	LP steel service pipe	km	0	0	0	0	0	0	0	0	0	0	0 0	0	-	-	0	0		-	0	-	0			0		1	-	3
3	3	Low Pressure	Service pipe	LP other service pipe	km			0	0	0	0	0		-	-	-		0		0	-	-	0	0	-	0	0	0	0		0		3
3	4	Low Pressure	Line valve	LP line valves	No.	-			3	2	135	4		_	2	2 3	2	4	6	5	5	6	2	4	2	6	4		10	-	207		3
1 3	5	Low Pressure	Special crossings	LP special crossings	No.			-			1	1												-					-		2		3
3	6	All	Monitoring and control systems		No.	-	-		-	-	-	1	-	_	-	1 .	6	-	1	1	42	14	5	1	-	13	4	-	16	-	105	-	4
3	7	All	Cathodic protection systems	Cathodic protection	No.		- 1	2	1	1	2	1	_				ı .						-	-	-		1	2	4		15		3
			and the second systems	22 2.12 2.12 p. 30000011			-																								13		

## 17. Schedule 9c: Report on Pipeline Data

		Company Name		Powerco Limited	
		For Year Ended	30	September 20:	17
	Netwoi	rk / Sub-network Name		Powerco Limited	
SCF	HEDULE 9c: REPORT ON PIPELINE DATA	,			
<b>-</b>	schedule requires a summary of the key characteristics of the p	ipeline network.			
		.,,			
ch ref					
8	Network Information (end of year)				
9	System length by material (defined by GDB)	Length (km)	%		
10	PE	5,370	90.40%		
11	Steel	483	8.13%		
12	Other	88	1.47%		
13					
14					
15					
16	System length	5,941	100.00%		
17					
					Gas conveyed for
			Weighted average		Persons not
		System length (km)	pipe diameter	Number of ICPs (at	involved in the GDB
18	By operating pressure:	(at year end)	(mm)	year end)	(TJ)
19	Intermediate pressure	277	134	292	1,684
20	Medium pressure	5,615	40	105,288	6,723
21	Low pressure	49	79	1,196	341
22	Total	5,941	45	106,776	8,748

		Company Name		Powerco Limited	
		For Year Ended		September 20:	
	Natural 16			Central Network	
		Sub-network Name		Central Network	`
	CHEDULE 9c: REPORT ON PIPELINE DATA				
Thi	is schedule requires a summary of the key characteristics of the p	pipeline network.			
sch re	ef				
8	Network Information (end of year)				
9	System length by material (defined by GDB)	Length (km)	%		
10		2,816	89.28%		
11	Steel	290	9.20%		
12	Other	48	1.52%		
13					
14					
15					
16	7	3,154	100.00%	_	
17					
					Gas conveyed for
			Weighted average		Persons not
		System length (km)	pipe diameter		involved in the GDB
18	7 17 27 37 27	(at year end)	(mm)	year end)	(TJ)
19	11 11 p 11 11 1	109	132	76	1,314
20 21	·	3,035	37	44,327	3,625
22	Low pressure Total	3,154	49	331 44,734	4,960
22	TOTAL	3,154	40	44,/34	4,960

	Company Name Powerco Limited				
		30 September 2017			
	Network / Sub-network Name		Lower Network		
C	CHEDULE 9c: REPORT ON PIPELINE DATA				
		alina naturark			
11	is schedule requires a summary of the key characteristics of the pip	enne network.			
sch	ref				
٤	Network Information (end of year)				
9		Length (km)	%		
10		2,554	91.66%	]	
11		193	6.91%		
12		40	1.43%		
13					
14	1				
15	;				
16	System length	2,787	100.00%		
17	7				
			Weighted average		Gas conveyed for Persons not
		System length (km)	pipe diameter	Number of ICPs (at	involved in the GDB
18	By operating pressure:	(at year end)	(mm)	year end)	(TJ)
19	Intermediate pressure	168	135	216	370
20	Medium pressure	2,580	44	60,961	3,098
21	Low pressure	38	87	865	320
22	? Total	2,787	50	62,042	3,789

### 18. Schedule 9d: Network Demand

	Company Name		owerco Limited			
	For Year Ended 30		September 2017			
	Network / Sub-network Name	P	owerco Limited			
SC	HEDULE 9d: REPORT ON DEMAND					
This	s schedule requires a summary of the key measures of network demand nections including, maximum monthly loads and total gas conveyed)	for the disclosure ye	ar (number of new			
sch re	f					
8						
	Odli). Consumor Connections					
9 10	9d(i): Consumer Connections  Number of ICPs connected in year by consumer type					
11	Number of iers connected in year by consumer type					
			Number of			
12	Consumer types defined by GDB		connections (ICPs)			
13	Residential / Small Commerical		1,936			
14	Commercial	138				
15	Industrial		2			
16						
17		Total	2,076			
18		iotaij	2,076			
19	9d(ii): Gas Delivered					
20						
21	Number of ICPs at year end	106,775	connections			
22	Maximum daily load	44,998	(GJ per day)			
23	Maximum monthly load	1,020,800	(GJ per month)			
24	Number of directly billed ICPs	0.705.006	(at year end)			
25	Total gas conveyed	8,785,886	(GJ per annum)			
26 27	Average daily delivery	24,071	(GJ per day)			
28	Load factor	71.72%				
		, _,				

	Company Name		Powerco Limited	
	For Year Ended	30 September 201		
	Network / Sub-network Name		Central Network	
cc				
	HEDULE 9d: REPORT ON DEMAND		, .	
	s schedule requires a summary of the key measures of network ew connections including, maximum monthly loads and total		osure year (number	
	, , , , , , , , , , , , , , , , , , ,	gas conveyed)		
sch re	f			
8				
9	9d(i): Consumer Connections			
10	Number of ICPs connected in year by consumer typ	e		
11			Number of	
12	Consumer types defined by GDB		connections (ICPs)	
13	Residential / Small Commerical		792	
14	Commercial		72	
15	Industrial		2	
16				
17				
18		Total	866	
19	9d(ii): Gas Delivered			
20	. ,			
21	Number of ICPs at year end	44,734	connections	
22	Maximum daily load	21,859	(GJ per day)	
23	Maximum monthly load	517,723	(GJ per month)	
24	Number of directly billed ICPs	_	(at year end)	
25	Total gas conveyed	4,992,573	(GJ per annum)	
26	Average daily delivery	13,678	(GJ per day)	
27	Load factor	90.36%		
28	LOAG TACTOR	80.36%		

Company Name **Powerco Limited** 30 September 2017 For Year Ended Network / Sub-network Name **Lower Network SCHEDULE 9d: REPORT ON DEMAND** This schedule requires a summary of the key measures of network demand for the disclosure year (number of new connections including, maximum monthly loads and total gas conveyed) 8 9d(i): Consumer Connections 9 10 Number of ICPs connected in year by consumer type 11 Number of Consumer types defined by GDB 12 connections (ICPs) 13 Residential / Small Commerical 14 Commercial 66 Industrial 15 16 17 18 Total 1,210 9d(ii): Gas Delivered 19 20 21 Number of ICPs at year end 62,041 connections 23,139 22 Maximum daily load (GJ per day) 23 Maximum monthly load 503,076 (GJ per month) 24 Number of directly billed ICPs (at year end) 25 Total gas conveyed 3,793,312 (GJ per annum) 26 Average daily delivery 10,393 (GJ per day) 27 28 Load factor 62.84%

### 19. Schedule 10a: Network Reliability and Interruptions

	Company Name	Por	werco Limited	
	For Year Ended		eptember 2017	
			werco Limited	
	Network / Sub-network Name		Wereo Emmeed	
	HEDULE 10a: REPORT ON NETWORK RELIABILITY AND INTERRUP			
	schedule requires a summary of the key measures of network reliability (interruptions, SAIDI, SAIFI an s must provide explanatory comment on their network reliability for the disclosure year in Schedule 14			IDI and CAIEI
	rmation is part of audited disclosure information (as defined in section 1.4 of the ID determination), a			
	on 2.8.			
sch ref				
8	10a(i): Interruptions			
9	Interruptions by class	Actual		
10	Class A (planned interruptions by GTB)	_		
11	Class B (planned interruptions on the network)	344		
12	Class C (unplanned interruptions on the network)	458		
13	Class D (unplanned interruptions by GTB)	_		
14	Class I (unplanned interruptions caused by third party damage)	183		
15	Total	985		
4.0	Number of contract of the cont			
16 17	Number of unplanned outage events (interruptions that affect more than 5 ICPs)  Wellington	Actual 1		
18	Hutt Valley and Porirua	6		
19	Taranaki	2		
20	Manawatu & Horowhenua	-		
21	Hawke's Bay	-		
	Number of male and a state of the state of t			
22	Number of unplanned outage events caused by third party damage (interruptions that affect more than 5 ICPs)	Actual		
23	Wellington	- Actual		
24	Hutt Valley and Porirua	3		
25	Taranaki	-		
26	Manawatu & Horowhenua	-		
27	Hawke's Bay	-		
28	10a(ii): Reliability			
29	Overall reliability	SAIDI	SAIFI	CAIDI
30	Based on the total number of interruptions	2,077.98	14.12	147.17
31	Class I (unplanned interruptions caused by third party damage)	970.03	4.59	211.34
	_			
32	Class B (planned interruptions on the network)	SAIDI	SAIFI	CAIDI
33 34	Wellington Hutt Valley and Porirua	557.73 1,516.08	7.21 6.62	77.36 229.02
35	Taranaki	52.38	0.90	58.20
36	Manawatu & Horowhenua	55.27	0.34	162.56
37	Hawke's Bay	-	-	-
		<u> </u>	<u> </u>	
38	Class C (unplanned interruptions on the network)	SAIDI	SAIFI	CAIDI
39	Wellington	491.16	5.79	84.83
40	Hutt Valley and Porirua	971.31	9.35	103.88
41 42	Taranaki Manayatu & Harayibanya	240.20 109.80	3.01	79.80
	Manawatu & Horowhenua	109.80	1.76	62.39
43	Hawke's Bay	8.96	0.20	44.80

	Company Name	Po	werco Limited	
	For Year Ended		eptember 2017	
	Network / Sub-network Name		ntral Network	
50	HEDULE 10a: REPORT ON NETWORK RELIABILITY AND INTERRUP	TIONS		
This	schedule requires a summary of the key measures of network reliability (interruptions, SAIDI, SAIFI and is must provide explanatory comment on their network reliability for the disclosure year in Schedule 14 rmation is part of audited disclosure information (as defined in section 1.4 of the ID determination), and	CAIDI) for the disclo (Explanatory Notes t	o Templates). The SA	
9	Interruptions by class	Actual		
10	Class A (planned interruptions by GTB)	_		
11	Class B (planned interruptions on the network)	27		
12	Class C (unplanned interruptions on the network)	76		
13	Class D (unplanned interruptions by GTB)	-		
14	Class I (unplanned interruptions caused by third party damage)	101		
15	Total	204		
16	Number of unplanned outage events (interruptions that affect more than 5 ICPs)	Actual		
17	Taranaki	2		
18	Manawatu & Horowhenua			
19	Hawke's Bay	_		
20				
21				
	Number of unplanned outage events caused by third party damage (interruptions that			
22	affect more than 5 ICPs)	Actual		
23 24	Taranaki Manawatu & Horowhenua			
25	Hawke's Bay			
26	TOWNES DOY	-		
27				
28 29	10a(ii): Reliability  Overall reliability	SAIDI	SAIFI	CAIDI
30	Based on the total number of interruptions	420.22	5.51	76.23
31	Class I (unplanned interruptions caused by third party damage)	217.46	2.83	76.71
32	Class B (planned interruptions on the network)	SAIDI	SAIFI	CAIDI
33	Taranaki	52.38	0.90	58.35
34	Manawatu & Horowhenua	55.27	0.34	161.71
35	Hawke's Bay	-	-	-
36				
37				
38	Class C (unplanned interruptions on the network)	SAIDI	SAIFI	CAIDI
39	Taranaki	240.20	3.01	79.81
40	Manawatu & Horowhenua	109.80	1.76	62.47
41	Hawke's Bay	8.96	0.20	45.00
42 43				
43			<u> </u>	

	Company Name	Pov	werco Limited		
	For Year Ended		30 September 2017		
	Network / Sub-network Name	Lo	Lower Network		
SCHE	- DULE 10a: REPORT ON NETWORK RELIABILITY AND INTERRUPTI	ONS			
	nedule requires a summary of the key measures of network reliability (interruptions, SAIDI, SAIFI and C.		e year		
GDBs m	ust provide explanatory comment on their network reliability for the disclosure year in Schedule 14 (E	xplanatory Notes to Te	mplates). The SAIDI a		
informa	tion is part of audited disclosure information (as defined in section 1.4 of the ID determination), and s	so is subject to the ass	urance report require	ed by section 2.8.	
ch ref					
	40 (1)				
8	10a(i): Interruptions				
9	Interruptions by class	Actual			
10	Class A (planned interruptions by GTB)	-			
11	Class B (planned interruptions on the network)	317			
12	Class C (unplanned interruptions on the network)	382			
13	Class D (unplanned interruptions by GTB)				
14	Class I (unplanned interruptions caused by third party damage)	82			
15	Total	781			
1.0	Number of conformal authors are to be a first and the total acceptance of the conformal acceptance of the conforma	Antoni			
16 17	Number of unplanned outage events (interruptions that affect more than 5 ICPs)  Wellington	Actual 1			
18	Hutt Valley and Porirua	6			
19	Titul variey and Formula	0			
20					
21					
21					
	Number of unplanned outage events caused by third party damage (interruptions that				
22	affect more than 5 ICPs)	Actual			
23	Wellington				
24	Hutt Valley and Porirua	3			
25					
26					
27	40-(ii). Polishilit				
28	10a(ii): Reliability				
29	Overall reliability	SAIDI	SAIFI	CAIDI	
30	Based on the total number of interruptions	3,274.85	20.34	161.01	
31	Class I (unplanned interruptions caused by third party damage)	1,513.37	5.86	258.25	
32	Class B (planned interruptions on the network)	SAIDI	SAIFI	CAIDI	
33	Wellington	557.73	7.21	77.36	
34	Hutt Valley and Porirua	1,516.08	6.62	229.02	
35	That variety and Formad	1,510.00	0.02	223.02	
36					
37					
		<u> </u>	<u> </u>		
38	Class C (unplanned interruptions on the network)	SAIDI	SAIFI	CAIDI	
39	Wellington	491.16	5.79	84.83	
40	Hutt Valley and Porirua	971.31	9.35	103.88	
40					
41					

# 20. Schedule 10b: Network Integrity and Consumer Service

		Company Name	Pa	owerco Limited	
		For Year Ended		September 2017	,
	Network / Sub	-network Name		owerco Limited	
SC	HEDULE 10b: REPORT ON NETWORK INTEGRIT	l.			
	s schedule requires a summary of the key measures of network Integrity (g				
sch re	f				
8	10b(i): System Condition and Integrity				
	Number of confirmed public reported gas				
	escapes per system length				
9	(escapes/1000 km)	Actual			
10	Wellington	110			
11 12	Hutt Valley and Porirua  Taranaki	90			
13	Mana watu & Horowhenua	67			
14	Hawke's Bay	18			
	Number of leaks detected by routine survey per				
	system length				
15	(leaks/1000 km)	Actual			
16	Wellington Hutt Valley and Parisus	3 14			
17 18	Hutt Valley and Porirua  Taranaki	6			
19	Manawatu & Horowhenua	1			
20	Hawke's Bay	-			
	Number of third party damage events per system				
	length				
21	(events/1000 km)	Actual			
22 23	Wellington Hutt Valley and Porirua	37 51			
24	Taranaki	40			
25	Manawatu & Horowhenua	88			
26	Hawke's Bay	14			
27	Number of poor pressure events due to network	Actual			
27	Number of poor pressure events due to network causes	Actual			
27 28 29	Number of poor pressure events due to network causes  Wellington	Actual -			
28	Number of poor pressure events due to network causes	-			
28 29 30 31	Number of poor pressure events due to network causes  Wellington Hutt Valley and Porirua Taranaki Manawatu & Horowhenua	1			
28 29 30 31 32	Number of poor pressure events due to network causes  Wellington Hutt Valley and Porirua Taranaki	1			
28 29 30 31	Number of poor pressure events due to network causes  Wellington Hutt Valley and Porirua Taranaki Manawatu & Horowhenua	1			
28 29 30 31 32	Number of poor pressure events due to network causes  Wellington Hutt Valley and Porirua Taranaki Manawatu & Horowhenua Hawke's Bay	1			
28 29 30 31 32 33	Number of poor pressure events due to network causes  Wellington Hutt Valley and Porirua Taranaki Manawatu & Horowhenua Hawke's Bay  Number of telephone calls to emergency numbers answered within 30 seconds per total number of calls	1 1 1 -			
28 29 30 31 32 33 34 35	Number of poor pressure events due to network causes  Wellington Hutt Valley and Porirua Taranaki Manawatu & Horowhenua Hawke's Bay  Number of telephone calls to emergency numbers answered within 30 seconds per total		The Commerce Commi		werco an exemption
28 29 30 31 32 33 34 35 36	Number of poor pressure events due to network causes  Wellington Hutt Valley and Porirua Taranaki Manawatu & Horowhenua Hawke's Bay  Number of telephone calls to emergency numbers answered within 30 seconds per total number of calls		The Commerce Commi from reporting this in		werco an exemption
28 29 30 31 32 33 34 35	Number of poor pressure events due to network causes  Wellington Hutt Valley and Porirua Taranaki Manawatu & Horowhenua Hawke's Bay  Number of telephone calls to emergency numbers answered within 30 seconds per total number of calls				werco an exemption
28 29 30 31 32 33 34 35 36 37	Number of poor pressure events due to network causes  Wellington Hutt Valley and Porirua Taranaki Manawatu & Horowhenua Hawke's Bay  Number of telephone calls to emergency numbers answered within 30 seconds per total number of calls				werco an exemption
28 29 30 31 32 33 34 35 36 37 38	Number of poor pressure events due to network causes  Wellington Hutt Valley and Porirua Taranaki Manawatu & Horowhenua Hawke's Bay  Number of telephone calls to emergency numbers answered within 30 seconds per total number of calls				werco an exemption
28 29 30 31 32 33 34 35 36 37 38 39	Number of poor pressure events due to network causes  Wellington Hutt Valley and Porirua Taranaki Manawatu & Horowhenua Hawke's Bay  Number of telephone calls to emergency numbers answered within 30 seconds per total number of calls  All regions				werco an exemption
28 29 30 31 32 33 34 35 36 37 38 39	Number of poor pressure events due to network causes  Wellington Hutt Valley and Porirua Taranaki Manawatu & Horowhenua Hawke's Bay  Number of telephone calls to emergency numbers answered within 30 seconds per total number of calls  All regions  Product control—safety of distribution gas				werco an exemption
28 29 30 31 32 33 34 35 36 37 38 39	Number of poor pressure events due to network causes  Wellington Hutt Valley and Porirua Taranaki Manawatu & Horowhenua Hawke's Bay  Number of telephone calls to emergency numbers answered within 30 seconds per total number of calls  All regions				werco an exemption
28 29 30 31 32 33 34 35 36 37 38 39	Number of poor pressure events due to network causes  Wellington Hutt Valley and Porirua Taranaki Manawatu & Horowhenua Hawke's Bay  Number of telephone calls to emergency numbers answered within 30 seconds per total number of calls  All regions  Product control—safety of distribution gas Number of non-compliant odour tests				werco an exemption
28 29 30 31 32 33 34 35 36 37 38 39	Number of poor pressure events due to network causes  Wellington Hutt Valley and Porirua Taranaki Manawatu & Horowhenua Hawke's Bay  Number of telephone calls to emergency numbers answered within 30 seconds per total number of calls  All regions  Product control—safety of distribution gas		from reporting this in		werco an exemption
28 29 30 31 32 33 34 35 36 37 38 39	Number of poor pressure events due to network causes  Wellington Hutt Valley and Porirua Taranaki Manawatu & Horowhenua Hawke's Bay  Number of telephone calls to emergency numbers answered within 30 seconds per total number of calls  All regions  Product control—safety of distribution gas Number of non-compliant odour tests	Actual  Proportion of emergencies			werco an exemption
28 29 30 31 32 33 34 35 36 37 38 39	Number of poor pressure events due to network causes  Wellington Hutt Valley and Porirua Taranaki Manawatu & Horowhenua Hawke's Bay  Number of telephone calls to emergency numbers answered within 30 seconds per total number of calls  All regions  Product control—safety of distribution gas Number of non-compliant odour tests  10b(ii): Consumer Service	Actual  Proportion of emergencies responded to	from reporting this in  Proportion of  emergencies responded to	formation by region.  Average call  response time	Number of
28 29 30 31 32 33 34 35 36 37 38 39 40 41	Number of poor pressure events due to network causes  Wellington Hutt Valley and Porirua Taranaki Manawatu & Horowhenua Hawke's Bay  Number of telephone calls to emergency numbers answered within 30 seconds per total number of calls  All regions  Product control—safety of distribution gas Number of non-compliant odour tests  10b(ii): Consumer Service  Response time to emergencies (RTE)	Actual  Proportion of emergencies responded to within 1 hour (%)	From reporting this in  Proportion of  emergencies  responded to  within 3 hours (%)	Average call response time (hours)	
28 29 30 31 32 33 34 35 36 37 38 39	Number of poor pressure events due to network causes  Wellington Hutt Valley and Porirua Taranaki Manawatu & Horowhenua Hawke's Bay  Number of telephone calls to emergency numbers answered within 30 seconds per total number of calls  All regions  Product control—safety of distribution gas Number of non-compliant odour tests  10b(ii): Consumer Service	Actual  Proportion of emergencies responded to	from reporting this in  Proportion of  emergencies responded to	formation by region.  Average call  response time	Number of
28 29 30 31 32 33 34 35 36 37 38 39 40 41 42	Number of poor pressure events due to network causes  Wellington Hutt Valley and Porirua Taranaki Manawatu & Horowhenua Hawke's Bay  Number of telephone calls to emergency numbers answered within 30 seconds per total number of calls  All regions  Product control—safety of distribution gas Number of non-compliant odour tests  10b(ii): Consumer Service  Response time to emergencies (RTE)  Wellington	Actual  Proportion of emergencies responded to within 1 hour (%)	Proportion of emergencies responded to within 3 hours (%)	Average call response time (hours)	Number of emergencies
28 29 30 31 32 33 34 35 36 37 38 39 40 41 42	Number of poor pressure events due to network causes  Wellington Hutt Valley and Porirua Taranaki Manawatu & Horowhenua Hawke's Bay  Number of telephone calls to emergency numbers answered within 30 seconds per total number of calls  All regions  Product control—safety of distribution gas Number of non-compliant odour tests  10b(ii): Consumer Service  Response time to emergencies (RTE)  Wellington Hutt Valley and Porirua Taranaki Manawatu & Horowhenua	Actual  94.99%  Actual  Proportion of emergencies responded to within 1 hour (%)  100.00% 100.00% 100.00%	Proportion of emergencies responded to within 3 hours (%)  100.00%  100.00%  100.00%	Average call response time (hours)  0.38 0.28 0.20 0.27	Number of emergencies
28 29 30 31 32 33 34 35 36 37 38 39 40 41 42 43 44 45 46	Number of poor pressure events due to network causes  Wellington Hutt Valley and Porirua Taranaki Manawatu & Horowhenua Hawke's Bay  Number of telephone calls to emergency numbers answered within 30 seconds per total number of calls  All regions  Product control—safety of distribution gas Number of non-compliant odour tests  10b(ii): Consumer Service  Response time to emergencies (RTE)  Wellington Hutt Valley and Porirua Taranaki	Actual  Proportion of emergencies responded to within 1 hour (%)  100.00% 100.00%	Proportion of emergencies responded to within 3 hours (%)  100.00%  100.00%	Average call response time (hours)  0.38  0.28  0.20	Number of emergencies 7 9 7
28 29 30 31 32 33 34 35 36 37 38 39 40 41 42 43 44 45 46 47	Number of poor pressure events due to network causes  Wellington Hutt Valley and Porirua Taranaki Manawatu & Horowhenua Hawke's Bay  Number of telephone calls to emergency numbers answered within 30 seconds per total number of calls  All regions  Product control—safety of distribution gas Number of non-compliant odour tests  10b(ii): Consumer Service  Response time to emergencies (RTE)  Wellington Hutt Valley and Porirua Taranaki Manawatu & Horowhenua	Actual  94.99%  Actual  Proportion of emergencies responded to within 1 hour (%)  100.00% 100.00% 100.00%	Proportion of emergencies responded to within 3 hours (%)  100.00%  100.00%  100.00%	Average call response time (hours)  0.38 0.28 0.20 0.27	Number of emergencies  7 9 7 8
28 29 30 31 32 33 34 35 36 37 38 39 40 41 42 43 44 45 46 47 48	Number of poor pressure events due to network causes  Wellington Hutt Valley and Porirua Taranaki Manawatu & Horowhenua Hawke's Bay  Number of telephone calls to emergency numbers answered within 30 seconds per total number of calls  All regions  Product control—safety of distribution gas Number of non-compliant odour tests  10b(ii): Consumer Service  Response time to emergencies (RTE)  Wellington Hutt Valley and Porirua Taranaki Manawatu & Horowhenua Hawke's Bay	Actual  Proportion of emergencies responded to within 1 hour (%)  100.00%  100.00%	Proportion of emergencies responded to within 3 hours (%)  100.00%  100.00%  100.00%	Average call response time (hours)  0.38 0.28 0.20 0.27	Number of emergencies  7 9 7 8

		Company Name	P	Powerco Limited	
		For Year Ended		September 201	
	Network / Sub	-network Name		Central Network	
SC	CHEDULE 10b: REPORT ON NETWORK INTEGRITY A		IER SERVICE		
Thi	s schedule requires a summary of the key measures of network Integrity (gas es	capes, response time	e to emergencies etc)		
sch re	ef				
8	10b(i): System Condition and Integrity				
	Number of confirmed public reported gas escapes				
	per system length				
9	(escapes/1000 km)	Actual			
10	Taranaki	64			
11 12	Manawatu & Horowhenua Hawke's Bay	67 18			
13	Hawke's bay	10			
14					
	Number of leaks detected by routine survey per				
	system length				
15	(leaks/1000 km)	Actual			
16 17	Taranaki Manawatu & Horowhenua	6			
18	Hawke's Bay				
19					
20					
	Number of third party damage events per system				
	length	A -4			
21 22	(events/1000 km)	Actual 40			
23	Manawatu & Horowhenua	88			
24	Hawke's Bay	14			
25					
26					
	Number of noor pressure events due to network				
27	Number of poor pressure events due to network causes	Actual			
27 28		Actual 1			
28 29	Causes  Taranaki  Manawatu & Horowhenua	Actual 1			
28 29 30	Causes Taranaki	Actual 1			
28 29 30 31	Causes  Taranaki  Manawatu & Horowhenua	Actual  1 -			
28 29 30	Causes  Taranaki  Manawatu & Horowhenua	Actual  1  -			
28 29 30 31 32	Causes  Taranaki  Manawatu & Horowhenua  Hawke's Bay	Actual  1			
28 29 30 31 32 33	Causes  Taranaki Manawatu & Horowhenua Hawke's Bay  Number of telephone calls to emergency numbers	1 -			
28 29 30 31 32 33	Causes  Taranaki Manawatu & Horowhenua Hawke's Bay  Number of telephone calls to emergency numbers answered within 30 seconds per total number of calls	1 - - - Actual	The Commerce Comp	nission has granted 0	Vowerco an exemption
28 29 30 31 32 33	Causes  Taranaki Manawatu & Horowhenua Hawke's Bay  Number of telephone calls to emergency numbers	1 - - - Actual 94.99%		nission has granted P nformation by region	Powerco an exemption and subnetwork.
28 29 30 31 32 33 34 35	Causes  Taranaki Manawatu & Horowhenua Hawke's Bay  Number of telephone calls to emergency numbers answered within 30 seconds per total number of calls	1 - - - Actual 94.99%			
28 29 30 31 32 33 34 35 36 37 38	Causes  Taranaki Manawatu & Horowhenua Hawke's Bay  Number of telephone calls to emergency numbers answered within 30 seconds per total number of calls	1 - - - Actual 94.99%			
28 29 30 31 32 33 34 35 36 37	Causes  Taranaki Manawatu & Horowhenua Hawke's Bay  Number of telephone calls to emergency numbers answered within 30 seconds per total number of calls	1 - - - Actual 94.99%			
28 29 30 31 32 33 34 35 36 37 38	Causes  Taranaki Manawatu & Horowhenua Hawke's Bay  Number of telephone calls to emergency numbers answered within 30 seconds per total number of calls	1 - - - Actual 94.99%			
28 29 30 31 32 33 34 35 36 37 38 39	Causes  Taranaki Manawatu & Horowhenua Hawke's Bay  Number of telephone calls to emergency numbers answered within 30 seconds per total number of calls  All regions	Actual 94.99%			
28 29 30 31 32 33 34 35 36 37 38 39	Causes  Taranaki Manawatu & Horowhenua Hawke's Bay  Number of telephone calls to emergency numbers answered within 30 seconds per total number of calls  All regions  Product control—safety of distribution gas	1 - - - Actual 94.99%			
28 29 30 31 32 33 34 35 36 37 38 39	Causes  Taranaki Manawatu & Horowhenua Hawke's Bay  Number of telephone calls to emergency numbers answered within 30 seconds per total number of calls  All regions	Actual 94.99%			
28 29 30 31 32 33 34 35 36 37 38 39	Causes  Taranaki Manawatu & Horowhenua Hawke's Bay  Number of telephone calls to emergency numbers answered within 30 seconds per total number of calls  All regions  Product control—safety of distribution gas Number of non-compliant odour tests	Actual 94.99%			
28 29 30 31 32 33 34 35 36 37 38 39	Causes  Taranaki Manawatu & Horowhenua Hawke's Bay  Number of telephone calls to emergency numbers answered within 30 seconds per total number of calls  All regions  Product control—safety of distribution gas	Actual 94.99%  Actual -	from reporting this i	nformation by region	
28 29 30 31 32 33 34 35 36 37 38 39	Causes  Taranaki Manawatu & Horowhenua Hawke's Bay  Number of telephone calls to emergency numbers answered within 30 seconds per total number of calls  All regions  Product control—safety of distribution gas Number of non-compliant odour tests	Actual  Actual  Proportion of emergencies	from reporting this in the first in the firs	nformation by region	and subnetwork.
28 29 30 31 32 33 34 35 36 37 38 39	Causes  Taranaki Manawatu & Horowhenua Hawke's Bay  Number of telephone calls to emergency numbers answered within 30 seconds per total number of calls  All regions  Product control—safety of distribution gas Number of non-compliant odour tests	Actual 94.99%  Actual -	from reporting this i	nformation by region	
28 29 30 31 32 33 34 35 36 37 38 39 40 41	Causes  Taranaki Manawatu & Horowhenua Hawke's Bay  Number of telephone calls to emergency numbers answered within 30 seconds per total number of calls  All regions  Product control—safety of distribution gas Number of non-compliant odour tests  10b(ii): Consumer Service	Actual  94.99%  Actual  Proportion of emergencies responded to	From reporting this in Proportion of emergencies responded to	nformation by region Average call response time	and subnetwork.
28 29 30 31 32 33 34 35 36 37 38 39 40 41	Causes  Taranaki Manawatu & Horowhenua Hawke's Bay  Number of telephone calls to emergency numbers answered within 30 seconds per total number of calls  All regions  Product control—safety of distribution gas Number of non-compliant odour tests  10b(ii): Consumer Service  Response time to emergencies (RTE)  Taranaki Manawatu & Horowhenua	Actual  94.99%  Actual  Proportion of emergencies responded to within 1 hour (%)  100.00%	Proportion of emergencies responded to within 3 hours (%)	Average call response time (hours)	Number of emergencies
28 29 30 31 32 33 34 35 36 37 38 39 40 41 42 43 44 45 46	Causes  Taranaki Manawatu & Horowhenua Hawke's Bay  Number of telephone calls to emergency numbers answered within 30 seconds per total number of calls  All regions  Product control—safety of distribution gas Number of non-compliant odour tests  10b(ii): Consumer Service  Response time to emergencies (RTE)  Taranaki	Actual  94.99%  Actual  Proportion of emergencies responded to within 1 hour (%)	Proportion of emergencies responded to within 3 hours (%)	Average call response time (hours)	Number of emergencies
28 29 30 31 32 33 34 35 36 37 38 39 40 41 42 43 44 45 46 47	Causes  Taranaki Manawatu & Horowhenua Hawke's Bay  Number of telephone calls to emergency numbers answered within 30 seconds per total number of calls  All regions  Product control—safety of distribution gas Number of non-compliant odour tests  10b(ii): Consumer Service  Response time to emergencies (RTE)  Taranaki Manawatu & Horowhenua	Actual  94.99%  Actual  Proportion of emergencies responded to within 1 hour (%)  100.00%	Proportion of emergencies responded to within 3 hours (%)	Average call response time (hours)	Number of emergencies
28 29 30 31 32 33 34 35 36 37 38 39 40 41 42 43 44 45 46	Causes  Taranaki Manawatu & Horowhenua Hawke's Bay  Number of telephone calls to emergency numbers answered within 30 seconds per total number of calls  All regions  Product control—safety of distribution gas Number of non-compliant odour tests  10b(ii): Consumer Service  Response time to emergencies (RTE)  Taranaki Manawatu & Horowhenua Hawke's Bay	Actual  94.99%  Actual  Proportion of emergencies responded to within 1 hour (%)  100.00%	Proportion of emergencies responded to within 3 hours (%)	Average call response time (hours)	Number of emergencies
28 29 30 31 32 33 34 35 36 37 38 39 40 41 42 43 44 45 46 47	Causes  Taranaki Manawatu & Horowhenua Hawke's Bay  Number of telephone calls to emergency numbers answered within 30 seconds per total number of calls  All regions  Product control—safety of distribution gas Number of non-compliant odour tests  10b(ii): Consumer Service  Response time to emergencies (RTE)  Taranaki Manawatu & Horowhenua	Actual  94.99%  Actual  Proportion of emergencies responded to within 1 hour (%)  100.00%	Proportion of emergencies responded to within 3 hours (%)	Average call response time (hours)	Number of emergencies

		Company Name		Powerco Limited	
		For Year Ended		September 201	
	Network / Sul	b-network Name		Lower Network	
SC	HEDULE 10b: REPORT ON NETWORK INTEGRITY A		IER SERVICE		
This	schedule requires a summary of the key measures of network Integrity (gas es	capes, response tim	e to emergencies etc)	1	
sch re					
ľ					
8	10b(i): System Condition and Integrity				
	Number of confirmed public reported gas escapes				
	per system length				
9	(escapes/1000 km)	Actual			
10	Wellington	110			
11	Hutt Valley and Porirua	90			
12					
13 14					
14	Number of leaks detected by routine survey per		_		
	system length				
15	(leaks/1000 km)	Actual			
16	Wellington	3			
17	Hutt Valley and Porirua	14			
18					
19					
20	Number of third party damage events per system				
	length				
21	(events/1000 km)	Actual			
22	Wellington	37			
23	Hutt Valley and Porirua	51			
24					
25					
26					
	Number of poor pressure events due to network				
27	causes	Actual			
28	Wellington	-			
29	Hutt Valley and Porirua	1			
30					
31 32					
33					
	Number of telephone calls to emergency numbers				
34	answered within 30 seconds per total number of calls	Actual	1		
35	All regions	94.99%			Powerco an exemption
36 37			from reporting this i	nformation by region	and sub-network.
38					
39					
40	Product control—safety of distribution gas	Actual	1		
41	Number of non-compliant odour tests	<u> </u>			
42	10b(ii): Consumer Service				
		Proportion of emergencies	Proportion of emergencies	Average call	
		responded to	responded to	response time	Number of
43	Response time to emergencies (RTE)	within 1 hour (%)	within 3 hours (%)	(hours)	emergencies
44	Wellington	100.00%	100.00%	0.38	7
45 46	Hutt Valley and Porirua	100.00%	100.00%	0.28	9
46					
48					
49	Number of complaints	Actual	 		
50	Number of complaints per average total consumer numbers	0.0005			

### 21. Schedule 14: Mandatory Explanatory Notes

Schedule 14 contains mandatory explanatory notes required by the IDD. All clause references refer to the Gas Distribution Information Disclosure Determination 2012

#### 21.1 Return on Investment (Schedule 2)

This box comments on return on investment as disclosed in Schedule 2. It includes information on reclassified items in accordance with clause 2.7.1(2).

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

Our disclosed ROI under both a Vanilla and Post tax approach for 2017 is higher than 2016 primarily as a result of an increase in revaluations and an increase in operating surplus.

#### 21.2 Regulatory Profit (Schedule 3)

This box comments on regulatory profit for the disclosure year and 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 in accordance with clause 2.7.1(2).

#### Box 2: Explanatory comment on regulatory profit

Other regulatory income includes recoveries from consumers for operational activities and the recovery of bad debts.

There have been no reclassified items.

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

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

- a. information on reclassified items in accordance with clause 2.7.1(2)
- any other commentary on the benefits of the merger and acquisition expenditure to the GDB.

#### Box 3: Explanatory comment on merger and acquisition expenditure

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

#### 21.3 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 in accordance with clause 2.7.1(2).

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

The Regulatory Asset Base (RAB) has increased by \$12.201m during the 2017 disclosure year. This increase was higher than 2016 primarily due to a higher revaluation rate in 2017.

Due to ongoing data quality checks and updates to asset category mapping there are reclassifications in the Asset category transfer line in Schedule 4 (vii).

he movements are detailed below.										
	Intermediate	Medium			(\$000 unless o	therwise specifie	ed)			
	pressure main	•						Other network	Non-network	
	pipelines	pipelines	main pipelines	Service pipe	Stations	Line valve	Special crossings	assets	assets	Total
Asset category transfers	(424)	(1,531)	(41)	(4,038)	(41)	(149)	(54)	6,278	-	0
Total closing RAB value	47,581	172,315	4,665	99,475	6,480	3,021	523	15,792	14,303	364,155

# 21.4 Regulatory tax allowance: disclosure of permanent differences (schedule 5a(i) of schedule 5a)

This narrative provides descriptions and workings of the material item recorded in the asterisked categories in of 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

#### Box 5: Regulatory tax allowance: permanent differences

Permanent differences are comprised of entertainment totalling \$0.028m.

A revaluation gain on RAB of \$6.689m included in Regulatory Profit is not taxable.

## 21.5 Regulatory tax allowance: disclosure of temporary differences (schedule 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.

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

Temporary differences relate to the movement in provision for ACC (\$0.007m) and employee entitlements of (\$0.071m).

# 21.6 Related party transactions: disclosure of related party transactions (schedule 5b)

Related party transactions beyond those disclosed in Schedule 5b are described below. This includes identification and descriptions as to the nature of directly attributable costs disclosed under clause 2.3.6(2)(b).

#### **Box 7: Related party transactions**

There were no related party transactions in the 2017 disclosure year.

#### 21.7 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 clause 2.7.1(2).

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

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

All operating costs except some specified systems operations and network support (SONS) costs and some specified business supports costs are directly attributable to the specific regulatory businesses.

Directly attributable costs are primarily incurred in the functional areas of:

- SONS
- Network management and administration
- Customer related costs

Powerco has opted to use cost allocators that have been calculated under the ABAA (accounting based allocation approach) methodology type as defined in the IM determination, to allocate those operating costs that are not directly attributable costs.

The use of causal relationships has been utilised where the cost driver has led to the cost being incurred.

The use of proxy relationships has been utilised to allocate operating costs for which a causal relationship cannot be established. The rationale behind the use of each proxy allocator is based on an analysis of each financial statement item that are not directly attributable and the key cost driver as determined by management. This is based on a combination of management's experience and knowledge, an analysis of the costs and the comparative sizes of the regulated businesses.

The main reason why a causal relationship cannot be established is where their isn't one key causal cost driver in a functional area and the use of one causal allocator would unfairly reflect on the allocation of costs in line with management expectations of the relevant cost split.

SONS costs that are not directly attributable relate to network IS management costs and have been allocated based on a proxy fixed asset allocator (which is based on the carrying value of network fixed assets). The not directly attributable costs include the significant cost categories below:

- Personnel costs
- Professional services

Business support costs that are not directly attributable primarily arise in the functional areas of:

- Corporate services which has a proxy cost allocator of distribution line charge revenue
- Human resources which has a proxy cost allocator of employee numbers
- Regulatory management which has a causal allocation of managements estimate of staff time working on regulated and unregulated services and legal has a proxy fixed asset allocator
- Insurance which has causal allocators of indemnity values, vehicle allocations and

#### employee numbers

- Facility costs which has a causal allocator of employee numbers and a proxy fixed assets allocator
- Information systems and projects which have a proxy fixed asset allocator.

The not directly attributable costs included in business support include the significant cost categories below:

- Personnel costs
- Professional services
- Information technology related expenses
- Building & insurance related costs
- Administration costs
- Communication & marketing costs.

Within each functional area across Powerco only one allocation methodology type has been used.

There have been no changes to the cost allocators applied in the current disclosure year.

#### 21.8 Asset allocation (Schedule 5e)

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

#### Box 9: Commentary on asset allocation

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

During the 2017 disclosure year there have been no reclassified items affecting asset allocation. Powerco has re-categorised \$6.278m of assets. The details of this reclassification required by clause 2.7.1 (s) are provided in box 4.

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

The box below includes comment on capital expenditure 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 in accordance with clause 2.7.1(2).

#### Box 10: Explanation of capital expenditure for the disclosure year

#### 1. Materiality threshold

A materiality threshold of \$0.1m has been applied to identify material projects and programmes listed in schedule 6a. Network projects or programmes of work have also been considered material if their costs make up 40% or more of the total costs in the expenditure category or 10% or more of the total costs in the other reliability, safety and environment category.

Expenditure Category	Threshold
Asset relocations	Projects exceed 40% of the total costs for that category in the disclosure year
Quality of supply	Project costs exceed \$0.1m in the disclosure year
Other Network capex	
Other reliability, safety and environment	Projects greater than 10% of total costs for that category in the disclosure year

#### 2. Items reclassified

Some items of operating expenditure have been reclassified in the 2017 disclosure period. The details are as follows:

- a) The items reclassified relate to operating lease costs. Powerco has elected to early adopt the Financial Reporting Standard NZIFRS 15 (Revenue from contracts with customers) and NZIFRS 16 (Leases), and as a result expenditure relating to some operating leases has been removed from operating expenditure.
- b) The value of the items reclassified in the current year are (\$000s):
  - Capital expenditure related to Leased assets: \$1,226

In previous years these items were not classified as capital expenditure. There has been no restatement of prior years' expenditure, consistent with the accounting based approach.

- c) In 2016 the underlying costs were classified as operating expenditure
- d) NZIFRS 16 outlines that qualifying operating lease costs are no longer classified as operating expenditure. The entire lease cost is recognised as an asset, with an offsetting lease liability, with an appropriate depreciation and interest cost each year. This has led to the recognition of capital expenditure and commissioned assets in the current year, that will result in increased depreciation in future years. There is no depreciation on these assets in the current year, as there was no opening RAB value.
- e) This item has been reclassified as a result of the changes in Financial Reporting Standards.

#### 21.10 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 comment includes—

- a. Commentary on assets replaced or renewed with asset replacement and renewal operating expenditure, as reported in 6b(i) of Schedule 6b:
- b. Information on reclassified items in accordance with clause 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.

#### Box 11: Explanation of operation expenditure for the disclosure year

#### 1. Asset Replacement and Renewal

Powerco had asset replacement and renewal expenditure of \$2.9m for the 2017 disclosure period.

Powerco considers replacement and renewal maintenance to be operating expenditure where the primary driver is the maintenance of asset integrity to address the progressive deterioration or obsolescence of particular assets, or the need to maintain physical security.

Powerco interprets asset replacement and renewal maintenance to include defect remedy of a non-routine nature which require the replacement of assets or asset subcomponents in order to maintain the asset in its current state, but do not meet the thresholds of our capitalisation policy.

#### 2. Reclassified Items

Some items of operating expenditure have been reclassified in the 2017 disclosure period. The details are as follows:

- f) The items reclassified relate to operating lease costs. Powerco has elected to early adopt the Financial Reporting Standard NZIFRS 15 (Revenue from contracts with customers) and NZIFRS 16 (Leases), and as a result expenditure relating to some operating leases has been removed from operating expenditure.
- g) The value of the items reclassified in the current year are (\$000s):
  - System operations and network support \$73
  - Business Support \$147

In previous years these items were classified as operating expenditure. There has been no restatement of prior years' expenditure, consistent with the accounting based approach.

- h) In 2016 these costs remained in System operations and network support and Business support
- i) NZIFRS 16 outlines that qualifying operating lease costs are no longer classified as operating expenditure. The entire lease cost is recognised as an asset, with an offsetting lease liability, with an appropriate depreciation and interest cost each year. This has led to the recognition of a commissioned asset in the current year, that will result in increased depreciation in future years. There is no depreciation on these assets in the current year, as there was no opening RAB value.
- j) This item has been reclassified as a result of the changes in Financial Reporting Standards.

#### 3. Atypical Expenditure

There have been no material items of atypical expenditure.

#### 21.11 Variance between forecast and actual expenditure (Schedule 7)

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

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

#### **CAPEX**

Overall expenditure is 1% above our 2016 AMP forecasts. Whilst overall network expenditure is well aligned, non-network expenditure is above forecast.

#### **Non-network CAPEX**

There was an increase in non-network capex that resulted from the adoption of Financial Reporting Standard NZIFRS 16 (Leases) (as described in box 10 above). Adoption of this standard resulted in an increase to non-network capex of \$1.2m.

The increase that resulted from the adoption of Financial Reporting Standard NZIFRS 16 was partially offset by the deferral of the ERP project. The 2016 AMP included provision for the replacement of our enterprise resource planning system (ERP) due to start in RY17. The commencement of this complex project was delayed by nine months to accommodate further planning, analysis and commercial negotiations. The project started mid-September 2017, and the deferred expenditure will be included in the next disclosure year.

### Customer-driven activities: Customer connections, Asset Relocations, System Growth

Disclosure year 2017 has been marked by a strong activity in customer-driven activities. This includes customer connections and asset relocations.

We connected a total of 2,074 customers, 26% above our initial forecast. This increase in connections, coupled with a growth in more costly commercial and industrial connections, resulted in the Customer connection expenditure category being \$2.4m (56%) above forecast.

Asset relocations are over forecast by \$108k (37%). Large, customer-driven relocation projects are happening in the Wellington and Hutt Valley and Porirua project alongside the Transmission Gully roading project. These projects are still ongoing in disclosure year 2018, and we will recover most of the costs incurred at their completion.

The last customer-driven expenditure category, System Growth, is under forecast by \$189k (14%). In our forecasting process, we make an allowance for extending the pipelines connecting new customers to the network, and reticulating new subdivisions. While subdivision-related expenditure is broadly in line with our expectations, many new connections were main-fronted and did not require the additional expenditure.

#### **Asset Replacement and Renewal**

Expenditure in the asset replacement and renewal category is under forecast by \$569k (27%). Our pre-85 mains renewal programme signalled in the AMP has been tracking to schedule. The renewal of the Waitangarua station supplying Porirua has, however, been delayed and accounts for most of the difference. The construction will now start in disclosure year 2018 as the equipment sourced from overseas has arrived late 2017.

#### Quality of supply

Quality of supply expenditure is \$1,303k (37%) under forecast, due to the delay of the

completion of the Palmerston North Eastern Reinforcement project, and a delay in starting the next stage of Wellington CBD pressure upgrade project.

In Palmerston North, the mains extension required to support the performance of the network and growth in the area, has been put on hold half way through construction by Palmerston North City Council's decision to realign the road along the route chosen for the pipeline.

In Wellington, we had to entered commercial negotiations with our tenderers to obtain a more efficient price, pushing the start date by 3 months.

#### Other reliability, safety and environment

Other reliability, safety and environment expenditure category is under forecast by \$740k (30%) because of field resource availability and cost-efficiency. We have not been able to complete the Porirua DRS rationalisation project as no service provider responded to the tender issued at the time. The Hawkes Bay IP valve safety improvement project has not started due to contractor resourcing delays. The SCADA and flow measurement project has also been put on hold, while equipment performance issues are resolved.

#### **OPEX**

Overall operational expenditure is 7% under our forecast, driven by savings in non-network opex.

#### **Non-network OPEX**

Non-network OPEX is \$1,351k (12%) under forecast. The variation has occurred with changes in overall company overhead and the allocation of the costs between Powerco's different business units.

The adoption of the Financial Reporting Standard NZIFRS 16 (Leases) (as described in box 11 above) also contributed to the variation from forecast. Adoption of this standard resulted in \$220k of expenditure relating to some operating leases being removed from operating expenditure.

#### **Network OPEX**

Network OPEX is broadly in line with our forecast, being over by \$142k (3%). Both service interruption, incidents and emergencies, and asset replacement and renewal are under forecast by \$48k (12%) and \$186k (6%) respectively, whilst routine and corrective maintenance and inspection is \$377k (18%) over forecast.

#### 21.12 Information relating to revenues and quantities for the disclosure year

Commentary in the box below explains the reasons for any material differences between target revenue disclosed before the start of the pricing year in accordance with clauses 2.4.1 and 2.4.3(3), and total billed line charge revenue for the disclosure year as disclosed in Schedule 8.

#### Box 13: explanatory comment relating to revenue for the disclosure year

Target revenue for the disclosure period was 1.15% lower than actual total billed line charges. The higher than forecasted revenue in the disclosure year was driven by higher than anticipated customer connections, particularly in the residential segment. While increased consumption from the commercial segments further contributed to the overall increase in energy conveyed for the period and a resulting increase in revenue from that forecasted for the period.

Commentary in the box below explains the effect of any change in price category codes, or consumer groups (as applicable) in the disclosure year, on the allocation of ICPs, quantities and revenues between consumer groups disclosed in Schedule 8.

#### Box 14: Explanatory comment relating to changed price category codes or consumer groups

Other than the CPI adjustment to distribution prices effective 1 October 2016, as permitted under the DPP, there have been no changes to price or price category codes in this disclosure year.

#### 21.13 Network Reliability for the disclosure year (Schedule 10a)

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

#### Box 15: Commentary on network reliability for the disclosure year

The amount of unplanned interruptions on the network remains in line with our previous disclosure year.

We have had more planned interruptions in the Lower Network region, as the preparation work for the Wellington pressure upgrade project required us to interrupt supply to individual customers.

In September, a third-party damage event in the Hutt Valley and Porirua region saw the supply to 258 customers interrupted for more than 5 hours until the repair to the pipeline was complete and the network pressurised to its nominal operating pressure. This increased the total SAIDI value by 820.2, without it, SAIDI would be similar to our 2016 disclosure year.

As discussed in our 2016 information disclosure, and previous Asset Management Plans, SAIDI remains a volatile measure which does not reflect the actual performance of the overall gas distribution network. In the event mentioned above, the duration of the interruption was necessary to purge and re-pressurise the entire affected area, ensuring the safety of end-consumers, public, and network operatives.

#### 21.14 Insurance Cover

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

- a. The GDB's approaches and practices in regard to the insurance of assets used to provide gas 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.

#### **Box 16: Explanation of insurance cover**

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.

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

#### 21.15 Amendments to previously disclosed information

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, a reference to the web address where the disclosure made in accordance with clause 2.12.1 is publicly disclosed.

#### Box 17: Disclosure of amendment to previously disclosed information

There have been no amendments to previously disclosed information made in accordance with clause 2.12.1.

### 22. Schedule 15: Voluntary Explanatory Notes

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

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

#### 22.1 Financial Schedules

#### **Monthly ROI**

The calculation of monthly ROI in schedule 2 is not required in 2017. The IDD specifies that a monthly ROI calculation must only be disclosed if, during the first three months or last three months of the disclosure year, the value of assets commissioned exceeded 10% of total opening regulatory asset values or the notional net cash flows exceed 40% of the annual notional net cash flows.

Neither of these criteria were met in 2017 and Powerco has elected not to calculate a monthly ROI.

#### Weighted Average Remaining Useful Life

Opening RAB values are used to weight the average remaining useful life. Powerco does not currently have systems to maintain our RAB at an individual asset level. We have made an assumption to determine individual opening RAB values by applying each asset's financial asset register Net Book Value to generate the Weighted Average Remaining Useful Life as disclosed in Schedule 4(vii).

#### Regulatory depreciation

Depreciation in Schedule 4 includes depreciation on assets with no standard life. Non-network assets commissioned after 30 September 2009 are considered to be assets with no standard life. Depreciation on these assets is reported as "depreciation – no standard life" in segment 4(v) of Schedule 4.

#### 22.2 Billed Quantities and Revenues (Schedule 8)

#### Consumer types

Powerco has identified four consumer types that are typical of the consumers connected to our network and described in table one below.

Table 1: Typical consumers in the different consumer categories

Consumer type	Price category	Typical characteristics
Residential	G06	Low-volume residential customers.
Residential/Small Commercial	G11	Standard residential customers and small commercial customers such as small cafes, fish and chip stores and pizza stores.
Commercial	G12 to G18	Commercial consumers are diverse in nature and include restaurants, office buildings and small industries.

Consumer type	Price category	Typical characteristics
	G30	Individually priced customers who do not have a time of use (TOU) meter, e.g. large commercial customers and large hotels.
Industrial	G40	Individually priced customers with a TOU meter and with an annual volume generally greater than 10TJ. Included in this group tend to be small manufacturing and industrial businesses such as dairy, meat or food processing plants.

For the purposes of schedule 9d, new connections for the G06 and G11 groups are reported together under the consumer type "residential/small commercial".

#### 22.3 Asset Information (Schedule 9a-9c)

#### Sources of information

Powerco's network is made up of several discrete, legacy gas distribution networks that have been amalgamated over time. This diversity of networks has created ongoing data and systems integration and improvement challenges for Powerco.

Schedules 9a and 9b require Powerco to estimate a level of accuracy around the presented results, which are drawn from the GIS. 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. These data inconsistencies and data gaps are not material for disclosure purposes. However, for completeness, Powerco has noted these issues in the data accuracy column in schedule 9a.

Powerco initiated a programme of work focused on incremental improvements to data quality and depth. Further information on this programme of work is available in section 8.8 of Powerco's Gas Asset Management Plan 2015 available on our website or by request.

In preparation for the ODV calculation in 2005 and 2006, Powerco reviewed asset dates and verified dates where previously there were default dates. Therefore no assets with default dates are recorded on the gas network. Further investigation into line valves operating pressure has increased asset knowledge and resulted in a transfer of line valves between pressure categories.

#### **Network Asset Categorisation**

The programmes we have put in place to ensure on-going improvement of asset data over time, means that from time to time we re-categorise small numbers of assets to reflect the latest available data.

#### **Network Asset Classification**

The programmes we have put in place to ensure on-going improvement of asset data over time, means that from time to time we re-classify small numbers of assets to reflect the latest available data.

#### 22.4 Network Demand (Schedule 9d)

#### **ICP numbers**

There has been a net increase of 1,539 billable ICPs during 2017. While 2,076 new connections have been added to the network, 537 ICPs have either become inactive or have disconnected from the network in 2017.

#### **Network demand**

Section 9d(ii) – gas delivered measures the amount of gas entering the network (i.e. as measured at the respective gas gates) during the disclosure year. The gas delivered to ICPs in schedule 8 is the billed quantity of gas in the disclosure year which includes a loss adjustment calculated from the UFG recorded in the prior year.

#### 22.5 Network reliability, integrity and customer service (Schedule 10a and 10b)

#### **Customer service – telephone calls**

The IDD requires the disclosure of the number of phone calls to the emergency line answered within 30 seconds as a percentage of total calls to the emergency line.

Powerco is unable to disclose this result by region or sub-network. Operationally, all calls to Powerco's emergency number are answered at a single location and all calls are treated equally regardless of the originating region. In most cases the network region for an incoming call cannot be determined from the call log. Determining the location of the incoming call is made especially difficult when calls are received from cell phones.

As a result, Powerco has reported this metric on a whole of business basis for all regions and subnetworks as permitted by the Commerce Commission's exemption issued under clause 2.11.1(1) of the IDD on 18 August 2016.

#### Customer service – response time to emergencies (RTE)

Response Time to Emergency (RTE) forms the quality measures under which our Default Quality Price Path apply. Powerco has consistently been meeting our regulatory target of responding to at least 80% of emergencies within one hour, and 100% within three hours.

### **Certificate for year-end disclosures**

#### CERTIFICATE FOR YEAR-END DISCLOSURES

Pursuant to clause 2.9.3 of Section 2.9

Date

direct	ors of Powerco Limited certify that, having nowledge:		
a)	the information prepared for the purpose 2.5.1, 2.5.2 and 2.7.1 of the Gas Distribu 2012 in all material respects complies w	ition Information Disclosure	
b)	the historical information used in the pre 10b and 14 has been properly extracted records sourced from its financial and no appropriate records have been retained.	from Powerco Limited's acon-financial systems, and th	counting and other
Direct	Sor -	Michael Be	W
	15/03/18	15/03/18	

Date



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

Report on the Disclosure Information prepared in accordance with the Gas Distribution Disclosure Determination 2012 (consolidated in 2015)

We have been engaged by Board of Directors of Powerco Limited (the "Company") to conduct a reasonable assurance engagement to provide an opinion on whether schedules 1, 2, 3, 4, 5a-5g, 6a, 6b, 7, the system average interruption duration index ('SAIDI') and system average interruption frequency index ('SAIFI') information disclosed in Schedule 10a and the explanatory notes disclosed in boxes 1 to 12 of Schedule 14 of the Company for the disclosure year ended 30 September 2017 ('the Disclosure Information') have been prepared, in all material respects, in accordance with the Gas Distribution Information Disclosure Determination 2012 (consolidated in 2015) ('the Determination').

#### Responsibilities of the Board of Directors for the Disclosure Information

The Board of Directors is responsible for the preparation of the Disclosure Information in accordance with the Determination. The responsibility includes the design, implementation and maintenance of internal control relevant to the Company's compliance with the Determination.

#### **Auditor's Responsibility**

Our responsibility is to express an opinion whether, in our opinion, 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 issued by the New Zealand Auditing and Assurance Standards Board and the Standard on Assurance Engagements 3100: Compliance Engagements issued by the External Reporting Board, to provide reasonable assurance that the Company has complied with the Determination. Our procedures included:

- reviewing the methodologies used in preparing the Disclosure Information and confirming that they are in accordance with the requirements set out in the Determination.
- identifying key inputs to the information;
- ensuring the information used in preparing the Disclosure Information has been properly extracted from the Company's accounting and other records, sourced from its financial and non-financial systems; and
- ensuring the calculations are mathematically correct.

These procedures have been undertaken to form an opinion as to whether the Disclosure Information has been prepared, in all material respects, in accordance with the Determination for the period 1 October 2016 to 30 September 2017. We believe that the audit evidence we have obtained is sufficient and appropriate to provide a basis for our 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 period 1 October 2016 to 30 September 2017 and the procedures performed in respect of the Company's compliance with the Determination in preparing the Disclosure Information are undertaken on a test basis, our assurance 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.



#### **Our Independence and Quality Control**

We have complied with the independence and other ethical requirements of the Professional and Ethical Standard 1 (Revised): *Code of Ethics for Assurance Practitioners* issued by the New Zealand Auditing and Assurance Standards Board, which is founded on fundamental principles of integrity, objectivity, professional competence and due care, confidentiality and professional behaviour.

Other than in our capacity as independent auditor and the provision of other assurance services including the audit of regulatory disclosure statements and trustee reporting, we have no relationship with or interests in the Company or any of its subsidiaries. These services have not impaired our independence as auditor of Powerco Limited.

The firm applies Professional and Ethical Standard 3 (Amended): *Quality Control for Firms that Perform Audits and Reviews of Financial Statements, and Other Assurance Engagements* issued by the New Zealand Auditing and Assurance Standards Board, and accordingly maintains a comprehensive system of quality control including documented policies and procedures regarding compliance with ethical requirements, professional standards and applicable legal and regulatory requirements.

#### **Use of Report**

This report is provided solely for your exclusive use and solely for the purpose of providing you with independent audit assurance whether the Disclosure Information has been prepared, in all material respects, in accordance with the Determination. Our report is not to be used for any other purpose, recited or referred to in any document, copied or made available (in whole or in part) to any other person without our prior written express consent. We accept or assume no duty, responsibility or liability to any other party in connection with the report or this engagement, including without limitation, liability for negligence in relation to the opinion expressed in this report.

#### Opinion

This opinion has been formed on the basis of, and is subject to, the inherent limitations outlined elsewhere in this independent assurance report.

In our opinion:

- As far as appears from an examination of them, proper records to enable the complete and accurate compilation of the Disclosure Information have been kept by the Company;
- As far as appears from an examination of the records, the information used in the
  preparation of the Disclosure Information 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 Disclosure Information

In forming our opinion we have obtained sufficient recorded evidence and all the explanations we have required.

**Chartered Accountants** 

Deloitte Limited

15 March 2018 Wellington, New Zealand