

GAS DISTRIBUTION SERVICES

Annual Information Disclosure Statement

Assessment period: 01 October 2018 – 30 September 2019

Published: 31 March 2020

Contents



1.	Directors' certificate	. 3
2.	Introduction	. 4
3.	Schedules 1-10	. 6
4.	Schedules 14-15	41
5.	Auditor's report	56



Gas Distribution Services Annual Information Disclosures

For the period 1 October 2018 – 30 September 2019

Directors' Certificate for year-end disclosures

Pursuant to clause 2.9.3 of Section 2.9

We, John Loughlin, and Paul Callow, being directors of Powerco Limited certify that, having made all reasonable enquiry, to the best of our knowledge:

- a) the information prepared for the purposes of clauses 2.3.1, 2.3.2, 2.4.21, 2.4.22, 2.5.1, 2.5.2 and 2.7.1 of the Gas Distribution Information Disclosure Determination 2012 in all material respects complies with that determination; and
- b) the historical information used in the preparation of Schedules 8, 9a, 9b, 9c, 9d,10a, 10b and 14 has been properly extracted from Powerco Limited's accounting and other records sourced from its financial and non-financial systems, and that sufficient appropriate records have been retained.
- In respect of information concerning assets, costs and revenues valued or disclosed in accordance with clause 2.3.6 of the Gas Distribution Information Disclosure Determination 2012 and clauses 2.2.11(1)(g) and 2.2.11(5) of the Gas Distribution Services Input Methodologies Determination 2012, we are satisfied that
 - i. the costs and values of assets or goods or services acquired from a related party comply, in all material respects, with clauses 2.3.6(1) and 2.3.6(3) of the Gas Distribution Information Disclosure Determination 2012 and clauses 2.2.11(1)(g) and 2.2.11(5)(a)-2.2.11(5)(b) of the Gas Distribution Services Input Methodologies Determination 2012; and
 - ii. the value of assets or goods or services sold or supplied to a related party comply, in all material respects, with clause 2.3.6(2) of the Gas Distribution Information Disclosure Determination 2012.



MI MIL

Director	Director
25 March 2020	25 March 2020
Date	Date

2. 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.

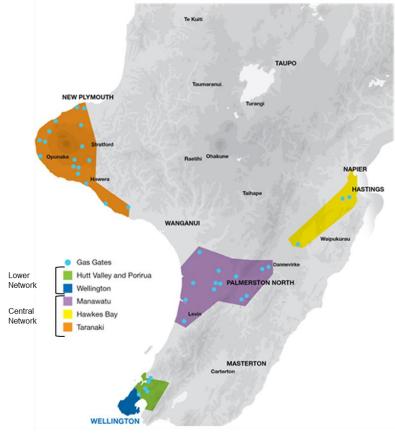
The IDD requires disclosure of the following information for the 2019 disclosure year:

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 sub-network 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 2019 information disclosure is provided in section 1 of this document.

3. Schedules 1-10



				Company Name	Pow	erco Limited
					-	ptember 2019
				For Year Ended	50 36	ptember 2015
s	CHEDULE 1: ANALYTICAL RATIOS					
	is schedule calculates expenditure, revenue and service ratios from the information disclosed. The discl	losed ratios may vary	for reasons that are o	ompany specific and	l, as a result, must be in	terpreted with care. The
Co	mmerce Commission will publish a summary and analysis of information disclosed in accordance with					
	formation disclosed under the other requirements of the determination.					
	is information is part of audited disclosure information (as defined in section 1.4 of the ID determination	on), and so is subject t	o the assurance repo	rt required by section	1 2.8.	
sch	ef					
7	1(i): Expenditure Metrics					
Ĺ				Ratio of		
		Expenditure per TJ		expenditure to	Expenditure per km	
		energy delivered to	Expenditure per	maximum monthly		
8		ICPs (\$/TJ)	average no. of ICPs (\$/ICP)	load (\$ per GJ/month)	supply (\$/km)	
9		1,814	147	16		
10		677	55	6		
11		1,137	92	10		
12						
13	Expenditure on assets	2,114	171	19	3,092	
14	Network	1,745	141	15	2,552	
15		369	30	3	540	
16						
17	1(ii): Revenue Metrics					
		Revenue per TJ				
		energy delivered to ICPs	Revenue per			
18		(\$/TJ)	average no. of ICPs (\$/ICP)			
19		5,954	482			
20	Standard consumer line charge revenue	9,701	430			
21	Non-standard consumer line charge revenue	1,452	26,432			
22						
23						
24 25		166	• • • • • • • • • • • • • • • • • • • •			
25		100		load (GJ per month) p vered per km of systei		
27		18		ICPs in disclosure yea		
28		81			mber of ICPs in disclosure	e year
29						
30	1(iv): Composition of Revenue Requirement					
31		(\$000)	% of revenue			
32		16,061	30.06%			
33		1,684	3.15%			
34		14,051	26.30%			
35 36		5,364 6,123	10.04%			
37		20,440	38.26%			
38		53,425	56.20%			
39	• ,					
40	1(v): Reliability					
41						
42	Interruption rate	10.92	Interruptions per 10	0km of system length		
1						

		Company Name		owerco Limited	
		For Year Ended	30 9	September 2019	9
Cŀ	EDULE 2: REPORT ON RETURN ON INVESTMENT				
is s	chedule requires information on the Return on Investment (ROI) for the GDB relative to the Cor	mmerce Commission's estimates	of post tax WACC and v	anilla WACC. GDBs	must calculate
	ROI based on a monthly basis if required by clause 2.3.3 of the ID Determination or if they elec				
2(ii					
	must provide explanatory comment on their ROI in Schedule 14 (Mandatory Explanatory Notes			vised by costion 2.0	
ISI	nformation is part of audited disclosure information (as defined in section 1.4 of the ID detern	nination), and so is subject to the	e assurance report req	uired by section 2.8.	
ref					
7	2(i): Return on Investment		CY-2	CY-1	Current Year CY
8		for year ended	30 Sep 17	30 Sep 18	30 Sep 19
9	ROI – comparable to a post tax WACC	-	%	%	%
0	Reflecting all revenue earned	Ļ	7.58%	6.00%	5.50
1	Excluding revenue earned from financial incentives	_	7.58%	6.00%	5.50
2	Excluding revenue earned from financial incentives and wash-ups	L	7.58%	6.00%	5.50
3		_			
4	Mid-point estimate of post tax WACC	Ļ	5.18%	5.18%	4.88
5	25th percentile estimate		4.37%	4.47%	4.17
6	75th percentile estimate		5.99%	5.89%	5.58
7					
8	BOL comparable to a vanille WACC				
9	ROI – comparable to a vanilla WACC				
0	Reflecting all revenue earned		8.07%	6.55%	5.97
21	Excluding revenue earned from financial incentives	_	8.07%	6.55%	5.97
22	Excluding revenue earned from financial incentives and wash-ups	L	8.07%	6.55%	5.97
3		_			
4	WACC rate used to set regulatory price path	L	7.44%	6.41%	6.41
5		-			
26	Mid-point estimate of vanilla WACC	Ļ	5.67%	5.71%	5.34
27	25th percentile estimate		4.86%	5.00%	4.64
28 29	75th percentile estimate		6.48%	6.41%	6.05
10	2(ii): Information Supporting the ROI			(\$000)	
31					
32	Total opening RAB value	Г	369,556		
3	plus Opening deferred tax	Γ	(27,986)		
4	Opening RIV			341,570	
5					
6	Line charge revenue			52,709	
37					
8	Expenses cash outflow		17,745		
9	plus Assets commissioned		23,350		
0	less Asset disposals		437		
1	plus Tax payments		4,774		
2	less Other regulated income		716		
13	Mid-year net cash flows			44,716	
14					
15	Term credit spread differential allowance			430	
6					
17	Total closing RAB value		383,407		
18	less Adjustment resulting from asset allocation		(375)		
	less Lost and found assets adjustment		-		
9	plus Closing deferred tax		(29,335)		
				354,446	
0	Closing RIV				
0 1	Closing RIV				
0 1 2					5.97
19 50 51 52 53	Closing RIV ROI – comparable to a vanilla WACC			L	5.97
0 1 2 3	ROI – comparable to a vanilla WACC			L	
50 51 52 53 54 55	ROI – comparable to a vanilla WACC Leverage (%)			L	42
50 51 52 53 54 55 56	ROI – comparable to a vanilla WACC Leverage (%) Cost of debt assumption (%)			-	42 3.96
50 51 52 53 54 55 56 57	ROI – comparable to a vanilla WACC Leverage (%)				42 3.96 28
0 1 2 3 4 5	ROI – comparable to a vanilla WACC Leverage (%) Cost of debt assumption (%)				42 3.96

				с Г		Description () and (
				Company Name	2	Powerco Limited	
50				For Year Ended	3	0 September 20:	19
This their in 2(GDB	HEDULE 2: REPORT ON RETURN C schedule requires information on the Return on Inve ROI based on a monthly basis if required by clause iii). s must provide explanatory comment on their ROI in information is part of audited disclosure informatic	estment (ROI) for the GDB relat 2.3.3 of the ID Determination Schedule 14 (Mandatory Expla	or if they elect to. If a or anatory Notes).	GDB makes this electio	n, information supp	orting this calculation	n must be provided
sch rej 61	2(iii): Information Supporting the						-
62 63	Opening RIV						N/A
64	o por magnetic						
65		Line charge revenue	Expenses cash	(\$000) Assets	Asset disposals	Other regulated	Monthly net cash
66	Marsh 1		outflow	commissioned		income	outflows
67 68	Month 1 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 78	Month 11 Month 12						-
78	Total						
80	Iotai						
81	Tax Payments						N/A
82	· · · · · · · · · · · · · · · · · · ·						
83	Term credit spread differential allows	ance					N/A
84							
85	Closing RIV						N/A
86							
87							
88	Monthly ROI – comparable to a vanilla	a WACC					N/A
89 90	Monthly ROI – comparable to a post t	ax WACC					N/A
91 92 93	2(iv): Year-End ROI Rates for Com	nparison Purposes					
94 95	Year-end ROI – comparable to a vanil	la WACC					5.79%
96	Year-end ROI – comparable to a post	tax WACC					5.32%
97 98	* these year-end ROI values are comparal	ble to the ROI reported in pre 2	012 disclosures by GDB	and do not represent t	the Commission's cur	rent view on ROI.	
99 100 101	2(v): Financial Incentives and Wa	sh-Ups					
101 102	Financial incentives						
103 104	Impact of financial incentives on ROI						·
105	Input methodology claw back						1
106 107	Input methodology claw-back CPP application recoverable costs						
107	Catastrophic event allowance						
109	Capex wash-up adjustment						
110	Other wash-ups						
111	Wash-up costs						-
112							
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 2019 disclosure year, the value of assets commissioned by Powerco has 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.

		Company Nan	пе	Powerco Limite	d
		For Year Ende	ed 🔅	30 September 20	19
SC	HEDULE	3: REPORT ON REGULATORY PROFIT			
their	r regulatory	uires information on the calculation of regulatory profit for the GDB for the disclosure year. GDBs must cor rofit in Schedule 14 (Mandatory Explanatory Notes). is part of audited disclosure information (as defined in section 1.4 of the ID determination), and so is subje			
sch ref	f				
7	3(i): R	egulatory Profit			(\$000)
8		Income			
9		Line charge revenue			52,709
10	plus	Gains / (losses) on asset disposals			139
11	plus	Other regulated income (other than gains / (losses) on asset disposals)			577
12 13		Total regulatory income			53,425
14		Expenses			
15	less	Operational expenditure			16,061
16					·
17 18	less	Pass-through and recoverable costs excluding financial incentives and wash-ups			1,684
19		Operating surplus / (deficit)			35,680
20					
21	less	Total depreciation			14,051
22					
23 24	plus	Total revaluations			5,364
24		Regulatory profit / (loss) before tax			26,993
26					
27 28	less	Term credit spread differential allowance			430
20	less	Regulatory tax allowance			6,123
30	1000				0,125
31 32		Regulatory profit/(loss) including financial incentives and wash-ups			20,440
33	3(ii): F	ass-through and recoverable costs excluding financial incentives and wash	-ups	(\$0	000)
34		Pass through costs			-
35		Rates		1,432	-
36		Commerce Act levies		191	-
37		Industry Levies		61	-
38 39		CPP specified pass through costs Recoverable costs excluding financial incentives and wash-ups			
39 40		Urgent project allowance			1
41		Other recoverable costs excluding financial incentives and wash-ups			
42		Pass-through and recoverable costs excluding financial incentives and wash-ups			1,684
43					
44 45					
46	3(iv):	Merger and Acquisition Expenditure			
47	-(,	· · · · · · · · · · · · · · · · · · ·			(\$000)
48 49		Merger and acquisition expenditure			
		Provide commentary on the benefits of merger and acquisition expenditure to the gas distribution business, in Schedule 14 (Mandatory Explanatory Notes)	ncluding required disclo	sures in accordance wi	ith section 2.7, in
50 51					(\$000)
52	3(v): C)ther Disclosures			
53					(\$000)
54		Self-insurance allowance			

	EDULE 4: REPORT ON VALUE OF THE REGULATORY ASSET BASE (ROLLED FORWARD) hedule requires information on the calculation of the Regulatory Asset Base (RAB) value to the end of this disclosure year. This informs th	e ROI calculation in Schedul		Company Name	30	September 201	
ana f	atory Notes). This information is part of audited disclosure information (as defined in section 1.4 of the ID determination), and so is subj	ect to the assurance report r	equired by section 2.8.	RAB	RAB	RAB	RAB
		for year ended	30 Sep 15	30 Sep 16	30 Sep 17	30 Sep 18	30 Sep 19
	Total opening RAB value		(\$000) 340,539	(\$000) 348,395	(\$000) 351,954	(\$000) 364,155	(\$000) 369,5
	less Tabl desse debin		9,458	9,959	10,086	13,662	14.0
	less Total depreciation		9,458	3,323	10,086	13,662	14,0
	plus Total revaluations		1,417	1,445	6,689	6,831	5,3
	plus Assets commissioned		16,706	12,910	16,198	12,763	23,3
	less Asset disposals		309	376	316	160	4
	iess asset usposais		509	370	510	100	4
	plus Lost and found assets adjustment		-	-	-	-	
	plus Adjustment resulting from asset allocation		(500)	(461)	(284)	(371)	(3
	Total closing RAB value		348,395	351,954	364,155	369,556	383,4
	Iotal closing KAB value		348,395	351,954	364,155	369,556	383,4
	4(ii): Unallocated Regulatory Asset Base						
				Unallocated (\$000)	(\$000)	RAI (\$000)	3 (\$000)
	Total opening RAB value				417,579		369,
	less Total depreciation			Г	23,495	Г	14,0
	plus					-	
	Total revaluations plus			L	6,019	L	5,3
	Assets commissioned (other than below)		F	60,825	F	23,350	
	Assets acquired from a regulated supplier Assets acquired from a related party		-		-		
	Assets commissioned			Ľ	60,825		23,
	less		Г	461	F	437	
	Asset disposals (other than below) Asset disposals to a regulated supplier		-	461	-	437	
	Asset disposals to a related party			-		-	
	Asset disposals			L	461	L	
	plus Lost and found assets adjustment					[
	plus Adjustment resulting from asset allocation					Г	(
				_			
	Total closing RAB value				460,467		383,
	* The 'unallocated RAB's the total value of those assets used wholly or partially to provide gas distribution services without any allowance represents the value of these assets after applying this cast allocation. Neither value includes works under construction.	being made for the allocatio	n of costs to services pro	vided by the supplier t	that are not gas distri	bution services. The	RAB value
	4(iii): Calculation of Revaluation Rate and Revaluation of Assets						
	CPI4						1,0
	CPI4 ⁻⁴						1,0
	Revaluation rate (%)					L	1.4
				Unallocated		RAL	
	Total opening RAB value			(\$000) 417,579	(\$000)	(\$000) 369,556	(\$000)
	less Opening value of fully depreciated, disposed and lost assets			6,702	E	3,399	
	Total opening RAB value subject to revaluation			410,877	Г	366,157	

							Company Name	F	Powerco Limited	t t
							For Year Ended		September 20	
EDULE 4: REPORT ON VALUE OF TH nedule requires information on the calculation of the R itory Notes). This information is part of audited disclos	legulatory Asset Base (RAB) v	alue to the end of thi	s disclosure year. Thi	s informs the ROI calo				ment on the value of t	heir RAB in Schedule	14 (Mandatory
4(iv): Roll Forward of Works Under C	Construction									
Works under construction—preceding disclo							Unallocated works	under construction 31,976	Allocated works u	nder constructio
plus Capital expenditure	sure year					ſ	33,940	51,570	18,031	5
less Assets commissioned						[60,825		23,350	
plus Adjustment resulting from asset allocat							r		(159)	
Works under construction - current disclosu	re year						L	5,091		4
Highest rate of capitalised finance appli	ied									6
4(v): Regulatory Depreciation							Unallocated RAB *		RAB	
							(\$000)	(\$000)	(\$000)	(\$000)
Depreciation - standard							12,621 10.874		12,199 1.852	
Depreciation - no standard life assets Depreciation - modified life assets							10,874		1,852	
Depreciation - alternative depreciation	in accordance with CPP						-		-	
Total depreciation								23,495		14,
4(vi): Disclosure of Changes to Depre	eciation Profiles						(\$000	unless otherwise spe		
4(vi): Disclosure of Changes to Depro				Reason	ı for non-standard de	preciation (text en		unless otherwise spe Depreciation charge for the period (RAB)	cified) Closing RAB value under 'non- standard' depreciation	under 'standa
				Reason	i for non-standard de	preciation (text en		Depreciation charge for the	Closing RAB value under 'non- standard'	Closing RAB va under 'standa depreciation
				Reason	ı for non-standard de	preciation (text en		Depreciation charge for the	Closing RAB value under 'non- standard'	under 'standa
				Reason	: for non-standard de	preciation (text en		Depreciation charge for the	Closing RAB value under 'non- standard'	under 'standa
				Reason	t for non-standard de	preciation (text en		Depreciation charge for the	Closing RAB value under 'non- standard'	under 'standa
				Reason	for non-standard de	preciation (text en		Depreciation charge for the	Closing RAB value under 'non- standard'	under 'standa
				Reason	s for non-standard de	preciation (text en		Depreciation charge for the	Closing RAB value under 'non- standard'	under 'standa
Asset or assets with changes to depreda				Reason	for non-standard de	preciation (text en		Depreciation charge for the	Closing RAB value under 'non- standard'	under 'standa
Asset or assets with changes to deprecia				Reason	for non-standard de			Depreciation charge for the	Closing RAB value under 'non- standard'	under 'standa
Asset or assets with changes to depreda	ition		Low pressure main		(\$000 unless other	wise specified)	try)	Depreciation charge for the period (RA8)	Closing RAB value under 'non- standard' depreciation	under 'standa depreciatio
Asset or assets with changes to deprecia 	intermediate pressure main pipelines	main pipelines	pipelines	Service pipe	(\$000 unless other Stations	wise specified) Line valve	try)	Depreciation charge for the period (RAB)	Closing RAB value under 'non- standard' depreciation	under 'standa depreciation
Asset or assets with changes to depreciate the second seco	ition				(\$000 unless other	wise specified)	try)	Depreciation charge for the period (RA8)	Closing RAB value under 'non- standard' depreciation	under 'standa depreciation
Asset or assets with changes to deprecia 	Intermediate pressure main pipelines 48,031 1.432 703	main pipelines 172,791 6,347 2,529	pipelines 4,706 132 69	Service pipe 102,752 3,061 1,505	(\$000 unless other Stations 6,308 306 91	wise specified) Line valve 3,256 69 47	try)	Depreciation charge for the period (RAB)	Closing RAB value under 'non- standard' depreciation Non-network assets 12,941 1,965 146	under 'standa depreciation Total 369, 144,
Asset or assets with changes to deprecia Asset or assets with changes to deprecia include additional rows if needed 4(vii): Disclosure by Asset Category Total opening RA9 value less Total depreciation plus Total revuluations plus Assets commissioned	Intermediate pressure main pipelines (48,031 1,432 7013 1,738	main pipelines 172,791 6,347 2,529 6,251	pipelines 4,706 132	Service pipe 102,752 3,061 1,505 4,742	(\$000 unless other Stations 6,308 306 91 98	wise specified) Line valve 3,256 69 477 449	try) Special crossings 602 11 9 304	Depreciation charge for the period (RA8) Other network assets 18,168 729 265 2,234	Closing RAB value under 'non- standard' depreciation	under standa depreciation Total 369, 14, 5, 2, 2, 3,
Asset or assets with changes to deprecia Asset or assets with changes to deprecia include additional rows if needed 4(vii): Disclosure by Asset Category Total opening RAB value less Total depreciation plus Total revaluations plus Assets commissioned less Asset disposals	Intermediate pressure main pipelines 48,031 1.432 703	main pipelines 172,791 6,347 2,529	pipelines 4,706 132 69	Service pipe 102,752 3,061 1,505	(\$000 unless other Stations 6,308 306 91	wise specified) Line valve 3,256 69 47	try)	Depreciation charge for the period (RAB)	Closing RAB value under 'non- standard' depreciation Non-network assets 12,941 1,965 146	under 'standa depreciation Total 369 14 5, 233
Asset or assets with changes to deprecia Asset or assets with changes to deprecia induce additional rows if needed attribute additional rows if needed attr	tion Intermediate pressure main pipelines 48,031 1,432 2,703 1,738 45	main pipelines 172,791 6,347 2,529 6,251	pipelines 4,706 132 69	Service pipe 102,752 3,061 1,505 4,742	(\$000 unless other Stations 6,308 306 91 98	wise specified) Line valve 3,256 69 477 449	try) Special crossings 602 11 9 304	Depreciation charge for the period (RA8) Other network assets 18,168 729 265 2,234	Closing RAB value under 'non- standard' depreciation Non-network assets 12,941 1,965 146 7,363 33	under 'standt depreciatio
Asset or assets with changes to deprecia Asset or assets with changes to deprecia include additional rows if needed 4(vii): Disclosure by Asset Category Total opening RAB value less Total depreciation plus Total revaluations plus Assets commissioned less Asset disposals	tion Intermediate pressure main pipelines 48,031 1,432 2,703 1,738 45	main pipelines 172,791 6,347 2,529 6,251	pipelines 4,706 132 69	Service pipe 102,752 3,061 1,505 4,742	(\$000 unless other Stations 6,308 306 91 98	wise specified) Line valve 3,256 69 477 449	try) Special crossings 602 11 9 304	Depreciation charge for the period (RA8) Other network assets 18,168 729 265 2,234	Closing RAB value under 'non- standard' depreciation	under 'standt depreciatio
Asset or assets with changes to deprecia Asset or assets with changes to deprecia include additional rows if needed *include additional rows if needed 4(vii): Disclosure by Asset Category Total opening RA9 value less Total revaluations plus Asset commissioned less Asset disposals plus Lost and found assets adjustment plus Asset disposals	tion Intermediate pressure main pipelines 48,031 1,432 703 1,728 45 100	main pipelines 172,791 6,347 2,529 6,251 161	pipelines 4,706 132 69 170 4 - -	Service pipe 102,752 3,061 1,505 4,742 13 -	(\$000 unless other Stations 6,308 306 91 98 88 88 - -	wise spedified) Line valve 3,256 69 47 449 20 -	try) Special crossings 602 11 9 304 5	Depredation charge for the period (RAB)	Closing RAB value under 'non- standard' depreciation Non-network assets 12,941 1,965 146 7,363 33	under 'standt depreciatio Total 369 14 5 223
Asset or assets with changes to depreciate the second seco	tion Intermediate pressure main pipelines 48,031 1,432 703 1,728 4,621 1,723 1,728 4,521 1,721	main pipelines 172,791 6,347 2,529 6,251 161	pipelines 4,706 132 69 170 4 4 - - (17)	Service pipe 102,752 3,061 1,505 4,742 13 13 (484)	(\$000 unless other Stations 6.308 306 91 98 88 - - (10)	wise specified) Line valve 3,2256 69 47 449 20 	try) Special crossings 602 11 9 304 5 (31)	Depreciation charge for the period (RAB)	Closing RAB value under 'non- standard' depreciation	under 'standt depreciatio Total 369 14 5 223
Asset or assets with changes to deprecid Asset or assets with changes to deprecid include additional rows if needed 4{vii}: Disclosure by Asset Category Total opening RAB value less Total depreciation plus Total revaluations plus Asset commissioned less Asset disposals plus Lost and found assets adjustment plus Adjustment resulting from asset adjustment resulting from asset adjustment plus Adjustment resulting from	tion Intermediate pressure main pipelines 48,031 1,432 703 1,728 4,621 1,723 1,728 4,521 1,721	main pipelines 172,791 6,347 2,529 6,251 161	pipelines 4,706 132 69 170 4 4 - - (17)	Service pipe 102,752 3,061 1,505 4,742 13 13 (484)	(\$000 unless other Stations 6.308 306 91 98 88 - - (10)	wise specified) Line valve 3,2256 69 47 449 20 	try) Special crossings 602 11 9 304 5 (31)	Depreciation charge for the period (RAB)	Closing RAB value under 'non- standard' depreciation	under 'standa depreciation Total

	Company Name	Powerco Limited
	For Year Ended	30 September 2019
CHEDULE 5	a: REPORT ON REGULATORY TAX ALLOWANCE	
Bs must provide	ires information on the calculation of the regulatory tax allowance. This information is used to calculate regulatory p explanatory commentary on the information disclosed in this schedule, in Schedule 14 (Mandatory Explanatory Note part of audited disclosure information (as defined in section 1.4 of the ID determination), and so is subject to the as	es).
ef		
7 5a(i): R	egulatory Tax Allowance	(\$000)
8	Regulatory profit / (loss) before tax	26,99
) plus	Income not included in regulatory profit / (loss) before tax but taxable	484 *
1	Expenditure or loss in regulatory profit / (loss) before tax but not deductible	160 *
2	Amortisation of initial differences in asset values	2,372
3	Amortisation of revaluations	3,246
4		6,26
5		
6 less	Total revaluations	5,364
7 8	Income included in regulatory profit / (loss) before tax but not taxable Expenditure or loss deductible but not in regulatory profit / (loss) before tax	30 *
9	Notional deductible interest	5,993
2		11,38
1		
2	Regulatory taxable income	21,86
3		
4 less	Utilised tax losses	-
5	Regulatory net taxable income	21,86
5		2011
7 8	Corporate tax rate (%) Regulatory tax allowance	28%
9		0,12
0 * Work	ings to be provided in Schedule 14	
-	ings to be provided in Schedule 14	
1	ings to be provided in Schedule 14 Disclosure of Permanent Differences	
¹ 2 5a(ii): I		le 5a(i).
5a(ii): 1 5a(ii): 1 3 4 5a(iii):	Disclosure of Permanent Differences	le 5a(i). (\$000)
5 5a(ii): 1	Disclosure of Permanent Differences In Schedule 14, Box 5, provide descriptions and workings of items recorded in the asterisked categories in Schedu Amortisation of Initial Difference in Asset Values	(\$000)
5 5a(ii): 1	Disclosure of Permanent Differences In Schedule 14, Box 5, provide descriptions and workings of items recorded in the asterisked categories in Schedu Amortisation of Initial Difference in Asset Values Opening unamortised initial differences in asset values	(\$000) 73,531
t 2 5a(ii): 3 4 5a(iii): 5 5 7 <i>less</i>	Disclosure of Permanent Differences In Schedule 14, Box 5, provide descriptions and workings of items recorded in the asterisked categories in Schedu Amortisation of Initial Difference in Asset Values Opening unamortised initial differences in asset values Amortisation of initial differences in asset values	(\$000)
2 5a(ii): 1 3 4 5a(iii): 5 5 7 <i>less</i> 8 <i>plus</i>	Disclosure of Permanent Differences In Schedule 14, Box 5, provide descriptions and workings of items recorded in the asterisked categories in Schedu Amortisation of Initial Difference in Asset Values Opening unamortised initial differences in asset values	(\$000) 73,531
1 2 3 4 5 5 6 7 7 8 8 9 1 1 8 9 1 1 8 9 1 1 8 9	Disclosure of Permanent Differences In Schedule 14, Box 5, provide descriptions and workings of items recorded in the asterisked categories in Schedu Amortisation of Initial Difference in Asset Values Opening unamortised initial differences in asset values Amortisation of initial differences in asset values Adjustment for unamortised initial differences in assets acquired	(\$000) 73,531 2,372 - 118
2 5a(ii): 1 3 4 5a(iii): 5 6 7 less 8 plus 9 less 0	Disclosure of Permanent Differences In Schedule 14, Box 5, provide descriptions and workings of items recorded in the asterisked categories in Schedu Amortisation of Initial Difference in Asset Values Opening unamortised initial differences in asset values Amortisation of initial differences in asset values Adjustment for unamortised initial differences in assets acquired Adjustment for unamortised initial differences in assets disposed	(\$000) 73,531 2,372 - 118
2 5a(ii): 1 3 5 5 5 7 less 9 less 9 less 1 2	Disclosure of Permanent Differences In Schedule 14, Box 5, provide descriptions and workings of items recorded in the asterisked categories in Schedu Amortisation of Initial Difference in Asset Values Opening unamortised initial differences in asset values Amortisation of initial differences in asset values Adjustment for unamortised initial differences in assets acquired Adjustment for unamortised initial differences in assets disposed	(\$000) 73,531 2,372 118 71,04
1 2 3 4 5 5 6 7 1 9 1 2 3	Disclosure of Permanent Differences In Schedule 14, Box 5, provide descriptions and workings of items recorded in the asterisked categories in Schedu Amortisation of Initial Difference in Asset Values Opening unamortised initial differences in asset values Amortisation of initial differences in asset values Adjustment for unamortised initial differences in assets acquired Adjustment for unamortised initial differences in assets disposed Closing unamortised initial differences in asset values Opening weighted average remaining useful life of relevant assets (years)	(\$000) 73,531 2,372 118 71,04 3
2 5a(ii): 1 3 4 5a(iii): 1 4 5 5 6 7 less 8 plus 9 less 9 less 1 2 2 3 4 5a(iv):	Disclosure of Permanent Differences In Schedule 14, Box 5, provide descriptions and workings of items recorded in the asterisked categories in Schedu Amortisation of Initial Difference in Asset Values Opening unamortised initial differences in asset values Amortisation of initial differences in asset values Adjustment for unamortised initial differences in assets acquired Adjustment for unamortised initial differences in assets disposed Closing unamortised initial differences in asset values	(\$000) 73,531 2,372 118 71,04
2 5a(ii): 1 3 4 5a(iii): 1 4 5a(iii): 1 5 6 7 less 8 plus 9 less 9 less 1 2 3 4 5a(iv):	Disclosure of Permanent Differences In Schedule 14, Box 5, provide descriptions and workings of items recorded in the asterisked categories in Schedu Amortisation of Initial Difference in Asset Values Opening unamortised initial differences in asset values Adjustment for unamortised initial differences in assets acquired Adjustment for unamortised initial differences in asset values Closing unamortised initial differences in asset values Opening weighted average remaining useful life of relevant assets (years) Amortisation of Revaluations	(\$000) 73,531 2,372 118 71,04 3 (\$000)
2 5a(ii): 1 3 5 4 5a(iii): 1 4 5a(iii): 1 5 6 7 less 8 plus 9 less 9 less 1 2 3 4 5a(iv): 5 6	Disclosure of Permanent Differences In Schedule 14, Box 5, provide descriptions and workings of items recorded in the asterisked categories in Schedu Amortisation of Initial Difference in Asset Values Opening unamortised initial differences in asset values Amortisation of initial differences in asset values Adjustment for unamortised initial differences in assets acquired Adjustment for unamortised initial differences in assets disposed Closing unamortised initial differences in asset values Opening weighted average remaining useful life of relevant assets (years)	(\$000) 73,531 2,372
5 5 5 5 5 5 5 5	Disclosure of Permanent Differences In Schedule 14, Box 5, provide descriptions and workings of items recorded in the asterisked categories in Schedu Amortisation of Initial Difference in Asset Values Amortisation of initial differences in asset values Adjustment for unamortised initial differences in assets acquired Adjustment for unamortised initial differences in asset values Closing unamortised initial differences in asset values Opening weighted average remaining useful life of relevant assets (years) Mmortisation of Revaluations Opening sum of RAB values without revaluations	(\$000) 73,531 2,372 118 71,04 33 (\$000) 334,011
5 5 5 5 5 5 5 5	Disclosure of Permanent Differences In Schedule 14, Box 5, provide descriptions and workings of items recorded in the asterisked categories in Schedul Amortisation of Initial Difference in Asset Values Amortisation of initial differences in asset values Adjustment for unamortised initial differences in assets acquired Adjustment for unamortised initial differences in asset values Closing unamortised initial differences in asset values Opening weighted average remaining useful life of relevant assets (years) Amortisation of Revaluations Opening sum of RAB values without revaluations Adjusted depreciation	(\$000) 73,531 2,372 118 71,04 33 (\$000) 334,011 10,805
2 5a(ii): 1 3 5 5 7 less 9 lus 9 lus 1 2 3 4 5 5 7 1 8 9 9 1 5 5 7 1 8 9 9 1 1 2 3 4 5 5 7 1 8 9 9 1 8 9 8 9 8 9 8 9 8 9 8 9 8 9 8 9	Disclosure of Permanent Differences In Schedule 14, Box 5, provide descriptions and workings of items recorded in the asterisked categories in Schedul Amortisation of Initial Difference in Asset Values Opening unamortised initial differences in asset values Adjustment for unamortised initial differences in assets acquired Adjustment for unamortised initial differences in asset values Opening weighted average remaining useful life of relevant assets (years) Copening sum of RAB values without revaluations Adjusted depreciation Total depreciation	(\$000) 73,531 2,372
2 5a(ii): 1 3 4 5a(iii): 1 4 5 5 5 7 less 9 less 9 less 1 2 3 4 5a(iv): 5 5 7 8 9 2	Disclosure of Permanent Differences In Schedule 14, Box 5, provide descriptions and workings of items recorded in the asterisked categories in Schedul Amortisation of Initial Difference in Asset Values Amortisation of initial differences in asset values Adjustment for unamortised initial differences in assets acquired Adjustment for unamortised initial differences in asset values Closing unamortised initial differences in asset values Opening weighted average remaining useful life of relevant assets (years) Amortisation of Revaluations Opening sum of RAB values without revaluations Adjusted depreciation	(\$000) 73,531 2,372
1 2 5a(ii): 3 4 5a(iii): 5 6 7 less 9 less 1 2 3 5a(iv): 4 5a(iv): 5 5 6 7 7 5a(iv): 5 6 7 5a(iv): 5 6 7 5a(iv):	Disclosure of Permanent Differences In Schedule 14, Box 5, provide descriptions and workings of items recorded in the asterisked categories in Schedul Amortisation of Initial Difference in Asset Values Opening unamortised initial differences in asset values Adjustment for unamortised initial differences in assets acquired Adjustment for unamortised initial differences in asset values Opening weighted average remaining useful life of relevant assets (years) Copening sum of RAB values without revaluations Adjusted depreciation Total depreciation	(\$000) 73,531 2,372
2 5a(ii): 1 3 5 4 5a(iii): 1 4 5a(iii): 1 5 6 7 less 8 plus 9 less 9 less 1 2 3 4 5 5a(iv): 1 8 9 9 1 2 5a(v): 1	Disclosure of Permanent Differences In Schedule 14, Box 5, provide descriptions and workings of items recorded in the asterisked categories in Schedul Amortisation of Initial Difference in Asset Values Amortisation of initial differences in asset values Adjustment for unamortised initial differences in assets disposed Closing unamortised initial differences in asset values Opening weighted average remaining useful life of relevant assets (years) Amortisation of Revaluations Opening sum of RAB values without revaluations Adjusted depreciation Total depreciation Amortisation of revaluations	(\$000) 73,531 2,372 118 71,04 33 (\$000) (\$000) 334,011 10,805 14,051 3,24
5 5 7 8 9 1 2 3 4 5 5 7 1 2 3 4 5 5 7 1 1 5 5 7 1 1 5 5 7 1 1 5 5 7 1 1 1 1 1 1 1 1 1 1 1 1 1	Disclosure of Permanent Differences In Schedule 14, Box 5, provide descriptions and workings of items recorded in the asterisked categories in Schedul Amortisation of Initial Difference in Asset Values Amortisation of initial differences in asset values Adjustment for unamortised initial differences in assets disposed Closing unamortised initial differences in asset values Opening weighted average remaining useful life of relevant assets (years) Amortisation of Revaluations Opening sum of RAB values without revaluations Adjusted depreciation Total depreciation Amortisation of revaluations	(\$000) 73,531 2,372 118 71,04
5 5 5 5 5 5 5 5	Disclosure of Permanent Differences In Schedule 14, Box 5, provide descriptions and workings of items recorded in the asterisked categories in Schedul Amortisation of Initial Difference in Asset Values Opening unamortised initial differences in asset values Adjustment for unamortised initial differences in assets acquired Adjustment for unamortised initial differences in asset values Opening weighted average remaining useful life of relevant assets (years) Amortisation of Revaluations Opening sum of RAB values without revaluations Adjusted depreciation Total depreciation Amortisation of revaluations Acconciliation of Tax Losses	(\$000)

		Company Name	Powerco Limited
		For Year Ended	30 September 2019
sc		a: REPORT ON REGULATORY TAX ALLOWANCE	
		res information on the calculation of the regulatory tax allowance. This information is used to calculate regulatory p	rofit/loss in Schedule 3 (regulatory profit)
		explanatory commentary on the information disclosed in this schedule, in Schedule 14 (Mandatory Explanatory Note	
This	information is	part of audited disclosure information (as defined in section 1.4 of the ID determination), and so is subject to the as	surance report required by section 2.8.
sch rej			
58	5a(vi): (Calculation of Deferred Tax Balance	(\$000)
59			
60		Opening deferred tax	(27,986)
61			
62 63	plus	Tax effect of adjusted depreciation	3,026
64	less	Tax effect of tax depreciation	4,008
65			
66	plus	Tax effect of other temporary differences*	206
67			
68	less	Tax effect of amortisation of initial differences in asset values	664
69			
70 71	plus	Deferred tax balance relating to assets acquired in the disclosure year	-
72	less	Deferred tax balance relating to assets disposed in the disclosure year	(62)
73			(
74	plus	Deferred tax cost allocation adjustment	31
75			
76		Closing deferred tax	(29,335)
77			
78	5a(vii):	Disclosure of Temporary Differences	
79		In Schedule 14, Box 6, provide descriptions and workings of items recorded in the asterisked category in Schedule 5a(v	i) (Tax effect of other temporary differences).
80			
0.5	E a (viiii)	Regulatory Tax Asset Base Roll-Forward	
81 82	Sa(viii)	Regulatory lax Asset base Roll-rol wald	(\$000)
82 83		Opening sum of regulatory tax asset values	(\$000) 167,589
84	less	Tax depreciation	14,316
85	plus	Regulatory tax asset value of assets commissioned	22,932
86	less	Regulatory tax asset value of asset disposals	217
87	plus	Lost and found assets adjustment	-
88	plus	Adjustments resulting from asset allocation	(265)
89 90	plus	Other adjustments to the RAB tax value	(129)
90		Closing sum of regulatory tax asset values	175,594

	Company Name	Powerco Limited
	For Year Ended	30 September 2019
CH	HEDULE 5b: REPORT ON RELATED PARTY TRANSACTIONS	
is s	schedule provides information on the valuation of related party transactions, in accordance with clause 2.3.6 of the ID de	termination.
is ir	information is part of audited disclosure information (as defined in clause 1.4 of the ID determination), and so is subject to	to the assurance report required by clause 2.8.
ref		
	5b(i): Summary—Related Party Transactions	(\$000) (\$000)
	Total regulatory income	17
	iotai regulatoi y income	
	Market value of asset disposals	
	Service interruptions, incidents and emergencies	
	Routine and corrective maintenance and inspection	
	Asset replacement and renewal (opex)	
	Network opex	
	Business support System operations and network support	
	Operational expenditure	
	Consumer connection	
	System growth	_
	Asset replacement and renewal (capex)	-
	Asset relocations	-
	Quality of supply	
	Legislative and regulatory	
	Other reliability, safety and environment	
	Expenditure on non-network assets	
	Expenditure on assets	
	Cost of financing Value of capital contributions	
	Value of vested assets	
	Capital expenditure	
	Total expenditure	
	Other related party transactions	
	5b(iii): Total Opex and Capex Related Party Transactions	
	5b(iii): Total Opex and Capex Related Party Transactions	Total value of
	5b(iii): Total Opex and Capex Related Party Transactions Nature of opex or capex service	Total value of transactions
	Nature of opex or capex service Name of related party provided	
	Nature of opex or capex service Name of related party provided [Select one]	transactions
	Nature of opex or capex service Name of related party provided [Select one] [Select one]	transactions
	Nature of opex or capex service Name of related party provided [Select one] [Select one] [Select one] [Select one]	transactions
	Nature of opex or capex service Name of related party provided [Select one] [Select one] [Select one] [Select one] [Select one]	transactions
	Nature of opex or capex service Name of related party provided [Select one] [Select one] [Select one] [Select one] [Select one] [Select one] [Select one] [Select one]	transactions
	Nature of opex or capex service Name of related party provided [Select one] [Select one]	transactions
	Nature of opex or capex service Name of related party provided [Select one] [Select one]	transactions
	Nature of opex or capex service Name of related party provided [Select one] [Select one]	transactions
	Nature of opex or capex service Name of related party provided [Select one] [Select one]	transactions
	Nature of opex or capex service Name of related party provided [Select one] [Select one]	transactions
	Name of related party provided [Select one] [Select one]	transactions
	Name of related party provided Name of related party provided [Select one] [Select one]	transactions
	Name of related party provided Name of related party provided [Select one] [Select one] [Select one] [Se	transactions
	Name of related party provided Name of related party provided [Select one] [Select one]	transactions

Company Name	Powerco Limited
For Year Ended	30 September 2019

SCHEDULE 5c: REPORT ON TERM CREDIT SPREAD DIFFERENTIAL ALLOWANCE

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

7	
8	5c(i): Qualifying Debt (may be Commission only)
9	

sch ref

10	Issuing party	lssue 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	Debt issue cost readjustment
10	USPP (2011) US\$72m/NZ\$91.4m	7/06/2011	7/06/2011		BKBM+1.945%	91,371	107,577	274	(81)
12	USPP (2011) US\$90m/NZ\$114.2m	7/06/2011	7/06/2011		BKBM+1.835%	114,213	137,998	600	(133)
13	USPP (2011) US\$83m/NZ\$105.3m	7/06/2011	7/06/2011	-	BKBM+1.980%	105,330	129,548	790	(133)
14	2011 Wholesale Bond - Fixed rate	20/12/2011	20/12/2011	7.0	6.31%	30,440	36,553	160	(36)
	2011 Wholesale Bond - Floating rate	20/12/2011	20/12/2011		BKBM + 2.60%	97,407	115,299	731	(130)
	USPP(2013) US\$25m/NZ\$30.4m	23/01/2013	1/11/2012		BKBM + 2.20%	135,000	136,165	759	(162)
	USPP(2013) US\$80m/NZ\$97.4m	23/01/2013	1/11/2012		BKBM + 2.21%	125,000	124,877	656	(146)
	NZD USPP(2014) NZ\$135m	15/10/2014	3/07/2014	12.5	6.62%	100,000	99,633	150	(57)
	2015 Wholesale Bond - Fixed rate	28/09/2015	16/09/2015	7.0	4.76%	150,000	149,434	788	(175)
	2016 Wholesale Bond - Fixed rate	15/11/2016	4/11/2016	8.0	4.67%	150,000	149,883	225	(86)
15	NZD USPP(2017) NZ\$125m	16/11/2017	9/08/2017	12.0	BKBM + 1.84%	100,000	100,627	225	(75)
16	* include additional rows if needed						1,287,595	5,357	(1,221)
17 18 19	5c(ii): Attribution of Term Credit Spread Differential								
20 21	Gross term credit spread differential	r		4,136					
22	Total book value of interest bearing debt	-	1,521,563						
23	Leverage		42%						
24	Average opening and closing RAB values	L	376,481		1				
25	Attribution Rate (%)			10%					
26 27	Term credit spread differential allowance		I	430	l				

		Company Name Powerco Limited
	HEDULE 5d: REPORT ON COST ALLOCATIONS	For Year Ended 30 September 2019
This	schedule provides information on the allocation of operational costs. GDBs must provide explanatory comment on their	
This	information is part of audited disclosure information (as defined in section 1.4 of the ID determination), and so is subjec	ect to the assurance report required by section 2.8.
ich ref	,	
7	5d(i): Operating Cost Allocations	
8		Value allocated (\$000s)
9		Arm's length Gas distribution Non-gas distribution OVABAA allocation deduction services services Total increase (\$000s)
10	Service interruptions, incidents and emergencies	
11 12	Directly attributable Not directly attributable	543
13	Total attributable to regulated service	543
14 15	Routine and corrective maintenance and inspection Directly attributable	3,053
16	Not directly attributable	
17 18	Total attributable to regulated service Asset replacement and renewal	3,053
19	Directly attributable	2,402
20 21	Not directly attributable Total attributable to regulated service	2,402
22	System operations and network support	
23 24	Directly attributable Not directly attributable	3,880 206 1,004 1,211
25	Total attributable to regulated service	4,086
26 27	Business support Directly attributable	962
28	Not directly attributable	5,015 28,707 33,722
29 30	Total attributable to regulated service	5,977
31 32	Operating costs directly attributable Operating costs not directly attributable	10,839 - 5,221 29,711 34,933 -
33	Operational expenditure	16,061
34		
35	5d(ii): Other Cost Allocations	Value allocated (\$000s)
	Development and accounted a cost.	Arm's length Gas distribution Non-gas distribution OVABAA allocation deduction services Services Total increase (\$000s)
36 37	Pass through and recoverable costs Pass through costs	
38	Directly attributable	1,624
39 40	Not directly attributable Total attributable to regulated service	61 195 255 1,684
41	Recoverable costs	
42 43	Directly attributable Not directly attributable	
44	Total attributable to regulated service	
45	5d(iii): Changes in Cost Allocations* †	
46 47	Change in cost allocation 1	(\$000) CY-1 Current Year (CY)
48	Cost category	Original allocation
49 50	Original allocator or line items New allocator or line items	New allocation Difference
51 52	Rationale for change	
52 53		
54 55		(\$000)
56	Change in cost allocation 2	CY-1 Current Year (CY)
57 58	Cost category Original allocator or line items	Original allocation New allocation
59	New allocator or line items	Difference
60 61	Rationale for change	
62 63		
64	Change is seet allocation 2	(\$000)
65 66	Change in cost allocation 3 Cost category	CY-1 Current Year (CY) Original allocation
67 68	Original allocator or line items New allocator or line items	New allocation Difference
69		
70 71	Rationale for change	
72 73	* a change in cost allocation must be completed for each cost allocator change that has occurred in the disclosure year. A	

		Company Name	Powerco Limited
		For Year Ended	30 September 2019
SC	HEDULE 5e: REPORT ON ASSET ALLOCATIO	DNS	
This	schedule requires information on the allocation of asset values. T	his information supports the calculation of the RAB value in Schedule 4. GDBs m	ust provide explanatory comment on their cost allocation in Schedule
	Mandatory Explanatory Notes), including on the impact of any cha ect to the assurance report required by section 2.8.	nges in asset allocations. This information is part of audited disclosure informa	tion (as defined in section 1.4 of the ID determination), and so is
300)	certo die assurance reportrequired by section 2.6.		
sch rej			
7	5e(i): Regulated Service Asset Values		
<i>′</i>	Jelly. Regulated Service Asset Values		
			Value all control (COOD)
8			Value allocated (\$000s) Gas distribution
9			services
10	Main pipe	r	
11 12	Directly attributable	-	228,034
12	Not directly attributable Total attributable to regulated service		228,034
14	Service pipe	· · · · · · · · · · · · · · · · · · ·	
15	Directly attributable	[105,442
16	Not directly attributable		-
17	Total attributable to regulated service	l	105,442
18 10	Stations	Г	6.004
19 20	Directly attributable Not directly attributable		6,094
21	Total attributable to regulated service		6,094
22	Line valve		
23	Directly attributable	-	3,617
24 25	Not directly attributable Total attributable to regulated service		3,617
25 26	Special crossings	L	5,017
27	Directly attributable]	869
28	Not directly attributable		
29	Total attributable to regulated service	l	869
30	Other network assets	r	
31 32	Directly attributable		21,273
32 33	Not directly attributable Total attributable to regulated service		21,273
34	Non-network assets	· · · · · · · · · · · · · · · · · · ·	
35	Directly attributable	[3,456
36	Not directly attributable		14,622
37 38	Total attributable to regulated service	l	18,077
39	Regulated service asset value directly attributable	Γ	368,785
40	Regulated service asset value not directly attributable		14,622
41	Total closing RAB value	l	383,407
42			
43	5e(ii): Changes in Asset Allocations* †		
44			(4)
45	Change in asset value allocation 1		(\$000)
46 47	Asset category		CY-1 Current Year (CY) Original allocation
48	Original allocator or line items		New allocation
49	New allocator or line items		Difference
50 51	Rationale for change		
52	Rationale for change		
53			
54 55	Change is seent uptor all sectors 2		(\$000) CY 1 Current Year (CY)
55 56	Change in asset value allocation 2 Asset category		CY-1 Current Year (CY) Original allocation
57	Original allocator or line items		New allocation
58	New allocator or line items		Difference
59			
60 61	Rationale for change		
62			
63			(\$000)
64 65	Change in asset value allocation 3		CY-1 Current Year (CY) Original allocation
65 66	Asset category Original allocator or line items		New allocation
67	New allocator or line items		Difference
68			
69 70	Rationale for change		
70 71			
72	* a change in asset allocation must be completed for each alloca	tor or component change that has occurred in the disclosure year. A movement in a	an allocator metric is not a change in allocator or component.
73	† include additional rows if needed		

	Company Name	Powerco Limited	
	For Year Ended	30 September 201	9
sc	HEDULE 6a: REPORT ON CAPITAL EXPENDITURE FOR THE DISCLOSURE YEAR		
This excl GDE	is schedule requires a breakdown of capital expenditure on assets incurred in the disclosure year, including any assets in respect of which c uding assets that are vested assets. Information on expenditure on assets must be provided on an accounting accruals basis and must excl smust provide explanatory comment on their expenditure on assets in Schedule 14 (Explanatory notes to templates). information is part of audited disclosure information (as defined in section 1.4 of the ID determination), and so is subject to the assurance	ude finance costs.	
sch re	f		
Serre			
7	6a(i): Expenditure on Assets	(\$000)	(\$000)
8	Consumer connection		7,700
9	System growth		1,632
10	Asset replacement and renewal		1,640
11	Asset relocations		133
12	Reliability, safety and environment:		
13	Quality of supply	2,596	
14 15	Legislative and regulatory Other reliability, safety and environment	1,744	
16	Total reliability, safety and environment	1,744	4,340
17	Expenditure on network assets		15,445
18	Expenditure on non-network assets		3,270
19			
20	Expenditure on assets		18,715
21	plus Cost of financing		58
22	less Value of capital contributions		742
23 24	plus Value of vested assets		-
25	Capital expenditure		18,031
26	6a(ii): Subcomponents of Expenditure on Assets (where known)		(\$000)
27	Research and development		-
28	6a(iii): Consumer Connection		
29	Consumer types defined by GDB*	(\$000)	(\$000)
30	Residental/Small Commercial	6,992	
31 32	Commercial Industrial	648	
33		00	
34			
35	* include additional rows if needed		
36	Consumer connection expenditure		7,700
37	less Canital contributions funding consumer connection superditure	218	
38 39	less Capital contributions funding consumer connection expenditure Consumer connection less capital contributions	218	7,482
40			7,402
41	6a(iv): System Growth and Asset Replacement and Renewal		
			t Replacement Ind Renewal
42 43		System Growth ^a (\$000)	(\$000)
44	Intermediate pressure	(****)	,,
45	Main pipe		-
46	Service pipe	·	-
47	Stations	152	26
48	Line valve		
49	Special crossings		-
50	Intermediate pressure -total	152	26
51	Medium pressure	· · · · · · · · · · · · · · · · · · ·	
52	Main pipe	1,440	1,360
53	Service pipe Stations	·	7
54 55	Stations		-
	linevalve		_
56	Line valve Special crossings		
56 57	Special crossings		- - 1.367
57	Special crossings Medium pressure - total	- - 1,440	- - 1,367
57 58	Special crossings Medium pressure - total Low pressure	1,440	- - 1,367
57 58 59	Special crossings Medium pressure - total Low pressure Main pipe	-	- - 1,367 -
57 58 59 60	Special crossings Medium pressure - total Low pressure Main pipe Service pipe	- 3	- 1,367 - - -
57 58 59	Special crossings Medium pressure - total Low pressure Main pipe	-	

			Company Name	Powerco Limited
			For Year Ended	30 September 2019
СНЕ	EDULE 6a	a: REPORT ON CAPITAL EXPENDITURE FOR THE DISC	LOSURE YEAR	
ludir Bs m	ng assets tha nust provide e	res a breakdown of capital expenditure on assets incurred in the disclosure year, i it are vested assets. Information on expenditure on assets must be provided on an explanatory comment on their expenditure on assets in Schedule 14 (Explanatory n part of audited disclosure information (as defined in section 1.4 of the ID determir	accounting accruals basis and must otes to templates).	exclude finance costs.
ef				
	Ot	ther network assets		
		Monitoring and control systems		-
,		Cathodic protection systems Other assets (other than above)		- 24
	Ot	ther network assets - total		- 24
'				
2	Sy less	ystem growth and asset replacement and renewal expenditure Capital contributions funding system growth and asset replacement and renewa		1,632 1,64 162
		stem growth and asset replacement and renewal less capital contributions		1,470 1,64
	6a(v): As	sset Relocations		(\$200) (\$200)
		Project or programme* Kenepuru IP Realignment		(\$000) (\$000) 86
'				
		* include additional rows if needed		
		All other projects or programmes - asset relocations		47
		sset relocations expenditure		13
		apital contributions funding asset relocations et relocations less capital contributions		362 (22
				<u></u>
	6a(vi): Q	Quality of Supply		(*****
,		Project or programme* Wellington CBD Pressure Upgrade - Phase 2		(\$000) (\$000) 1,173
3		Wellington CBD Pressure Upgrade - Phase 3		404
'		Westown Capacity Reinforcement - Ferndale (Taranaki)		498
		Milson Line Rationalisation		383
2		* include additional rows if needed		
3		All other projects or programmes - quality of supply		138
:	Q less	uality of supply expenditure Capital contributions funding quality of supply		2,59
		uality of supply less capital contributions		2,59
,				
	6a(vii): L	Legislative and Regulatory		
,	(,-	Project or programme*		(\$000) (\$000)
)		[Description of material project or programme]		-
		[Description of material project or programme]		
		[Description of material project or programme] [Description of material project or programme]		
		[Description of material project or programme]		
		* include additional rows if needed		
,	Le.	All other projects or programmes - legislative and regulatory egislative and regulatory expenditure		-
	less	Capital contributions funding legislative and regulatory		
	Le	egislative and regulatory less capital contributions		
	6a(viii):	Other Reliability, Safety and Environment		
		Project or programme*		(\$000) (\$000)
		DRS Protection Programme		891
		DRS Renewals		317
5		AC Stray Current Mitigation HB Valves Safety Improvement		224
		Isolation Plans and Resilience		115
3		* include additional rows if needed		
2		All other projects or programmes - other reliability, safety and environment		37
2	less	ther reliability, safety and environment expenditure Capital contributions funding other reliability, safety and environment		1,74
2011 C		ther reliability, safety and environment less capital contributions		1,74

		Company Name	Powerco Limit	ed
		For Year Ended	30 September 2	019
SC	HEDULE 6a: REPORT ON CAPITAL EXPENDITURE FOR THE DISCLOSUR			
This	s schedule requires a breakdown of capital expenditure on assets incurred in the disclosure year, including a	ny assets in respect of wh	ich capital contributions are	received, but
	luding assets that are vested assets. Information on expenditure on assets must be provided on an accountin		t exclude finance costs.	
	3s must provide explanatory comment on their expenditure on assets in Schedule 14 (Explanatory notes to ter s information is part of audited disclosure information (as defined in section 1.4 of the ID determination), an		rance report required by secti	ion 2.8
11113	s mornadon is part of addited disclosure mornadon (as denied in section 1.4 of the D determination), an	a so is subject to the assu	rance report required by sect	011 2.8.
sch re	f			
123	6a(ix): Non-Network Assets			
124	Routine expenditure			
125	Project or programme*		(\$000)	(\$000)
126				
127				
128				
129				
130	* include additional rows if needed			
131 132	All other projects or programmes - routine expenditure		446	
132	Routine expenditure		440	446
			L	
134	Atypical expenditure		(4000)	(4000)
135	Project or programme*		(\$000)	(\$000)
136	Enterprise Asset Management System Facilities Capex		2,045	
137 138	Cybersecurity		180	
130	End User Experience		117	
140				
141	* include additional rows if needed			
142	All other projects or programmes - atypical expenditure		128	
143	Atypical expenditure			2,825
144				
145	Expenditure on non-network assets			3,270

	Company Name	Powerco Limited	t i
	For Year Ended	30 September 20	19
so	CHEDULE 6b: REPORT ON OPERATIONAL EXPENDITURE FOR THE DISCLOSURE YEAR		
Thi (Ex	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 r erational 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	ssurance report required by section 2.8.	
sch r	ef		
	Ch (i) On anti-onel Environditume	(*****	(1000)
7	6b(i): Operational Expenditure	(\$000)	(\$000)
8	Service interruptions, incidents and emergencies	543	
9	Routine and corrective maintenance and inspection	3,053	
10	Asset replacement and renewal	2,402	
11	Network opex		5,998
12	System operations and network support	4,086	
13	Business support	5,977	
14	Non-network opex		10,063
15			
16	Operational expenditure		16,061
17	6b(ii): Subcomponents of Operational Expenditure (where known)		
18	Research and development		-
19	Insurance		90

	Company Name		owerco Limited	
	For Year Ended	30	September 201	9
CH	IEDULE 7: COMPARISON OF FORECASTS TO ACTUAL EXPENDI	TURE		
	schedule compares actual revenue and expenditure to the previous forecasts that were made for th	e disclosure year. Ac	cordingly, this sched	ule requires the
	ast revenue and expenditure information from previous disclosures to be inserted.			
	must provide explanatory comment on the variance between actual and target revenue and foreca). This information is part of the audited disclosure information (as defined in section 1.4 of the I			
	red by section 2.8. For the purpose of this audit, target revenue and forecast expenditures only nee			
ref				
	7/i), Povonuo	Target (\$000) ¹	Actual (\$000)	% variance
	7(i): Revenue			
'	Line charge revenue	51,439	52,709	2%
,	7(ii): Expenditure on Assets	Forecast (\$000) ²	Actual (\$000)	% variance
	Consumer connection	6,242	7,700	23%
	System growth	1,624	1,632	1%
	Asset replacement and renewal	2,261	1,640	(27%
	Asset relocations	115	133	16%
	Reliability, safety and environment:			
	Quality of supply	3,514	2,596	(26%
	Legislative and regulatory	-	-	
	Other reliability, safety and environment	2,076	1,744	(16%
	Total reliability, safety and environment	5,590	4,340	(22%
	Expenditure on network assets	15,831	15,445	(2%
	Expenditure on non-network assets	3,255	3,270	0%
	Expenditure on assets	19,086	18,715	(2%
	7(iii): Operational Expenditure			
	Service interruptions, incidents and emergencies	410	543	32%
	Routine and corrective maintenance and inspection	2,707	3,053	13%
	Asset replacement and renewal	2,673	2,402	(10%
	Network opex	5,790	5,998	4%
	System operations and network support	4,746	4,086	(14%
	Business support	6,587	5,977	(9%
1	Non-network opex	11,333	10,063	(11%
	Operational expenditure	17,124	16,061	(6%
	7(iv): Subcomponents of Expenditure on Assets (where known)			
	Research and development	_		
		<u> </u>		
	7(v): Subcomponents of Operational Expenditure (where known)	· · · · · ·	r	
	Research and development	-	-	
	Insurance	93	90	(4%
	1 From the nominal dollar target revenue for the pricing year disclosed under clause 2.4.3(3) of thi	s determination		

							Company Name		Powerco Limit 30 September 2	019
						Network / Sub	b-Network Name		Powerco Limit	ed
	QUANTITIES AND LINE CHARC		category code used by the	GDB in its pricing schedules.	Information is also required on	the number of ICPs th	nat are included in each	n consumer group or pric	ce category	
. Billed qualitities by price c	omponent					Billed quantities by p	vice component			Add extra columns
						billed quantities by p	ince component			for additional billed
					Price component	Fixed	Variable			quantities by price component as necessary
onsumer group name or price category code	Consumer type or types (eg, residential,				Unit charging basis (eg, days, GJ, etc.)	Days	GJ			
code	commercial, etc.)	group (specify)	disclosure year	(LT)		LI			I	
06	Residential	Standard	25,298	321		-	321,445			
11	Residential / Small Commercial	Standard	81,032	2,812		29,576,680	2,812,199			
12 14	Commercial Commercial	Standard Standard	1,838	455		670,870	455,024			
14	Commercial	Standard	566 282	454		206,408	454,098 612,144			
18	Commercial	Standard	53	176		19,345	176,387			
30	Commercial	Non-standard	121	454		33,415	453,548			
40	Industrial	Non-standard	100	3,569		30,442	3,568,602			
		[Select one] [Select one]								
		[Select one]								
		[Select one]								
dd extra rows for additional consumer gro	uns or price category codes as peressan									
	aps of price category codes as necessary	n								
	aps of pince category coues as necessary	Standard consumer totals	109,069	4,831		30,576,233	4,831,298	-	-	-
		Standard consumer totals Non-standard consumer totals Total for all consumers	109,069 221 109,290	4,831 4,022 8,853		30,576,233 63,857 30,640,090	4,831,298 4,022,150 8,853,448	-	-	
): Line charge revenues (\$00		Non-standard consumer totals	221	4,022		63,857 30,640,090	4,022,150		-	Add extra columns
		Non-standard consumer totals	221	<u>4,022</u> 8,853	Price component	63,857 30,640,090	4,022,150 8,853,448		-	
): Line charge revenues (\$00		Non-standard consumer totals Total for all consumers	221 109,290	4,022 8,853 Notional revenue		63,857 30,640,090 Line charge revenue:	4,022,150 8,853,448 s (\$000) by price compc	onent		for additional line charge revenues by price component as
): Line charge revenues (\$00 onsumer group name or price category code	DO) by price component Consumer type or types (eg, residential, commercial, etc.) Residential	Non-standard consumer totals Total for all consumers Standard or non-standard consumer group (specify) Standard	221 109,290 Total line charge revenue	4,022 8,853 Notional revenue foregone from posted	Price component Rate (eg, \$ per day, \$	63,857 30,640,090 Line charge revenue: Fixed \$/day	4,022,150 8,853,448 s (\$000) by price compo Variable \$/GJ \$6,154	nent		for additional line charge revenues by price component as
): Line charge revenues (\$00 onsumer group name or price category code	00) by price component Consumer type or types (eg, residential, commercial, etc.) Residential Residential / Small Commercial	Non-standard consumer totals Total for all consumers Standard or non-standard consumer group (specify) Standard Standard	221 109,290 Total line charge revenue in disclosure year 56,154 \$31,112	4,022 8,853 Notional revenue foregone from posted	Price component Rate (eg, \$ per day, \$	63,857 30,640,090	4,022,150 8,853,448 s (\$000) by price compo Variable \$/GJ \$6,154 \$13,723	xnent		for additional line charge revenues by price component as
): Line charge revenues (\$00 onsumer group name or price category code	20) by price component Consumer type or types (eg, residential, commercial, etc.) Residential Residential / Small Commercial Commercial	Non-standard consumer totals Total for all consumers Standard or non-standard consumer group (specify) Standard Standard Standard	221 109,290 Total line charge revenue in disclosure year \$6,154 \$31,112 \$3,003	4,022 8,853 Notional revenue foregone from posted	Price component Rate (eg, \$ per day, \$	63,857 30,640,090 Line charge revenue Fixed 5/day 	4,022,150 8,853,448 s (\$000) by price compe Variable \$/GJ \$5,154 \$13,723 \$2,215	snent		for additional line charge revenues by price component as
): Line charge revenues (\$00 onsumer group name or price category code	D0) by price component Consumer type or types (eg, residential, commercial, etc.) Residential Residential / Small Commercial Commercial Commercial	Non-standard consumer totals Total for all consumers Standard or non-standard consumer group (specify) Standard Standard	221 109,290 Total line charge revenue in disclosure year \$6,154 \$31,112 \$3,003 \$2,862	4,022 8,853 Notional revenue foregone from posted	Price component Rate (eg, \$ per day, \$	63,857 30,640,090 Line charge revenue: Fixed \$/day \$17,389 \$788 \$1,026	4,022,150 8,853,448 s (\$000) by price compo Variable \$/GJ \$13,723 \$2,215 \$1,835			for additional line charge revenues by price component as
): Line charge revenues (\$00 onsumer group name or price category code	20) by price component Consumer type or types (eg, residential, commercial, etc.) Residential Residential / Small Commercial Commercial	Non-standard consumer totals Total for all consumers Standard or non-standard consumer group (specify) Standard Standard Standard Standard Standard Standard Standard	221 109,290 Total line charge revenue in disclosure year \$6,154 \$31,112 \$3,003	4,022 8,853 Notional revenue foregone from posted	Price component Rate (eg, \$ per day, \$	63,857 30,640,090 Line charge revenue Fixed 5/day 	4,022,150 8,853,448 s (\$000) by price compe Variable \$/GJ \$5,154 \$13,723 \$2,215			for additional line charge revenues by price component as
): Line charge revenues (\$00 onsumer group name or price category code 06 11 12 12 14 16 18 30	D0) by price component Consumer type or types (eg, residential, commercial, etc.) Residential Residential / Small Commercial Commercial Commercial Commercial Commercial Commercial Commercial	Non-standard consumer totals Total for all consumers Standard or non-standard consumer group (specify) Standard Standard Standard Standard Standard Standard Standard Non-standard	221 109,290 Total line charge revenue in disclosure year \$6,154 \$31,112 \$3,003 \$2,862 \$2,942 \$795 \$1,311	4,022 8,853 Notional revenue foregone from posted	Price component Rate (eg, \$ per day, \$	63,857 30,640,090 Line charge revenue: Fixed \$/day \$17,389 \$788 \$1,026 \$720 \$225 \$410	4,022,150 8,853,448 s(\$000) by price compo Variable \$/GJ \$13,723 \$2,215 \$1,835 \$2,222 \$580 \$580			for additional line charge revenues by price component as
): Line charge revenues (\$00 onsumer group name or price category code	20) by price component Consumer type or types (eg, residential, commercial, etc.) Residential Residential / Small Commercial Commercial Commercial Commercial	Non-standard consumer totals Total for all consumers Standard or non-standard consumer group (specify) Standard Standard Standard Standard Standard Standard Non-standard Non-standard	221 109,290 Total line charge revenue in disclosure year \$6,154 \$31,112 \$3,003 \$2,862 \$2,942 \$795	4,022 8,853 Notional revenue foregone from posted	Price component Rate (eg, \$ per day, \$	63,857 30,640,090 Line charge revenue Fixed \$/day \$17,389 \$788 \$1,026 \$720 \$720 \$12,578	4,022,150 8,853,448 s (\$000) by price compe Variable \$/(6J \$13,723 \$2,215 \$1,835 \$2,225 \$1,835 \$2,222 \$580	xnent		for additional line charge revenues by price component as
): Line charge revenues (\$00 onsumer group name or price category code 06 11 12 12 14 16 18 30	D0) by price component Consumer type or types (eg, residential, commercial, etc.) Residential Residential / Small Commercial Commercial Commercial Commercial Commercial Commercial Commercial	Non-standard consumer totals Total for all consumers Standard or non-standard consumer group (specify) Standard	221 109,290 Total line charge revenue in disclosure year \$6,154 \$31,112 \$3,003 \$2,862 \$2,942 \$795 \$1,311	4,022 8,853 Notional revenue foregone from posted	Price component Rate (eg, \$ per day, \$	63,857 30,640,090 Line charge revenue: Fixed \$/day \$17,389 \$788 \$1,026 \$720 \$225 \$410	4,022,150 8,853,448 s(\$000) by price compo Variable \$/GJ \$13,723 \$2,215 \$1,835 \$2,222 \$580 \$580	xnent		for additional line charge revenues by price component as
): Line charge revenues (\$00 onsumer group name or price category code 06 11 12 12 14 16 18 30	D0) by price component Consumer type or types (eg, residential, commercial, etc.) Residential Residential / Small Commercial Commercial Commercial Commercial Commercial Commercial Commercial	Non-standard consumer totals Total for all consumers Standard or non-standard consumer group (specify) Standard Standard Standard Standard Standard Standard Non-standard Non-standard	221 109,290 Total line charge revenue in disclosure year \$6,154 \$31,112 \$3,003 \$2,862 \$2,942 \$795 \$1,311	4,022 8,853 Notional revenue foregone from posted	Price component Rate (eg, \$ per day, \$	63,857 30,640,090 Line charge revenue: Fixed \$/day \$17,389 \$788 \$1,026 \$720 \$225 \$410	4,022,150 8,853,448 s(\$000) by price compo Variable \$/GJ \$13,723 \$2,215 \$1,835 \$2,222 \$580 \$580	xnent		for additional line charge revenues by price component as
): Line charge revenues (\$00 onsumer group name or price category code	20) by price component Consumer type or types (eg, residential, commercial, etc.) Residential Residential Residential Commercial Commercial Commercial Commercial Industrial Ind	Non-standard consumer totals Total for all consumers Standard or non-standard consumer group (specify) Standard Standard Standard Standard Standard Standard Standard Non-standard Non-standard Non-standard Stand	221 109,290 Total line charge revenue in disclosure year \$6,154 \$31,112 \$3,003 \$2,862 \$2,942 \$795 \$1,311	4,022 8,853 Notional revenue foregone from posted	Price component Rate (eg, \$ per day, \$	63,857 30,640,090 Line charge revenue: Fixed \$/day \$17,389 \$788 \$1,026 \$720 \$225 \$410	4,022,150 8,853,448 s(\$000) by price compo Variable \$/GJ \$13,723 \$2,215 \$1,835 \$2,222 \$580 \$580			for additional line charge revenues by price component as
): Line charge revenues (\$00 onsumer group name or price category code 06 11 12 12 14 16 18 30	20) by price component Consumer type or types (eg, residential, commercial, etc.) Residential Residential Residential Commercial Commercial Commercial Commercial Industrial Ind	Non-standard consumer totals Total for all consumers Standard or non-standard consumer group (specify) Standard	221 109,290 Total line charge revenue in disclosure year \$6,154 \$31,112 \$3,003 \$2,862 \$2,942 \$795 \$1,311 \$4,530 - - - - -	4,022 8,853 Notional revenue foregone from posted	Price component Rate (eg, \$ per day, \$	63,857 30,640,090	4,022,150 8,853,448 s (\$000) by price compo Variable \$/GJ \$13,723 \$2,215 \$1,835 \$2,222 \$580 \$2,222 \$580 \$2,928 \$2,928			for additional line charge revenues by price component as
): Line charge revenues (\$00 onsumer group name or price category code	20) by price component Consumer type or types (eg, residential, commercial, etc.) Residential Residential Residential Commercial Commercial Commercial Commercial Industrial Ind	Non-standard consumer totals Total for all consumers Standard or non-standard consumer group (specify) Standard Standard Standard Standard Standard Standard Standard Non-standard Non-standard Non-standard Select one] Select one]	221 109,290 Total line charge revenue in disclosure year \$6,154 \$31,112 \$3,003 \$2,862 \$2,942 \$795 \$1,311	4,022 8,853 Notional revenue foregone from posted	Price component Rate (eg, \$ per day, \$	63,857 30,640,090 Line charge revenue: Fixed \$/day \$17,389 \$788 \$1,026 \$720 \$225 \$410	4,022,150 8,853,448 s(\$000) by price compo Variable \$/GJ \$13,723 \$2,215 \$1,835 \$2,222 \$580 \$580	. . . <td></td> <td>for additional line charge revenues by price component as</td>		for additional line charge revenues by price component as

							Company Name For Year Ended		30 Septe	co Limited ember 2019	
						Network / Sub	-Network Name		Ce	entral	
	QUANTITIES AND LINE CHARC		category code used by the	GDB in its pricing schedules.	Information is also required on	n the number of ICPs th	at are included in ea	ich consumer grou	p or price category		
						Billed quantities by p	rice component				Add extra columns
											for additional billed quantities by price
					Price component	Fixed	Variable				component as necessary
onsumer 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				
06	Residential	Standard	11,738	147			147,265				7
11	Residential / Small Commercial	Standard	32,585	980		11,893,525	979,507				
12	Commercial	Standard	729	201		266,085	201,244				
14	Commercial	Standard	290	253		105,850	252,691				_
16 18	Commercial Commercial	Standard Standard	161	358		58,765 12,045	357,663 125,489				-
30	Commercial	Non-standard	22			5,663	125,489				-
10	Industrial	Non-standard	69	2,920		23,362	2,919,735				
		[Select one]									_
		[Select one]									_
		[Select one] [Select one]									-
dd extra rows for additional consumer gro	ups or price category codes as necessary	[berear one]				LI					
		Standard consumer totals	45,536	2,064		12,336,270	2,063,858		-	-	-
		Non-standard consumer totals Total for all consumers	91 45.626	3,061 5,125		29,025 12,365,295	3,060,775 5,124,632		-	-	-
). Line above verse (ć00											
): Line charge revenues (\$00	00) by price component					Line charge revenues	s (\$000) by price com	ponent			Add extra columns
): Line charge revenues (\$00	00) by price component				Price component	Line charge revenues	<mark>s (\$000) by price com</mark> Variable	ponent			for additional line charge revenues by price component as
): Line charge revenues (\$00 onsumer group name or price category code		Standard or non-standard consumer group (specfly)	Total line charge revenue in disclosure year	Notional revenue foregone from posted discounts (if applicable)	Price component Rate (eg, S per day, S per Gl, etc.)			ponent			for additional line charge revenues by
onsumer group name or price category code	Consumer type or types (eg, residential, commercial, etc.)	group (specify)	in disclosure year	foregone from posted	Rate (eg, \$ per day, \$	Fixed	Variable \$/GJ	ponent			for additional line charge revenues by price component as
onsumer group name or price category code	Consumer type or types (eg, residential, commercial, etc.) Residential	group (specify) Standard	in disclosure year \$2,678	foregone from posted	Rate (eg, \$ per day, \$	Fixed \$/day	Variable \$/GJ \$2,678	ponent			for additional line charge revenues by price component as
onsumer group name or price category code	Consumer type or types (eg, residential, commercial, etc.)	group (specify)	in disclosure year	foregone from posted	Rate (eg, \$ per day, \$	Fixed	Variable \$/GJ	ponent			for additional line charge revenues by price component as
onsumer group name or price category code	Consumer type or types (eg, residential, commercial, etc.) Residential Residential / Small Commercial Commercial Commercial	group (spedfy) Standard Standard Standard Standard Standard	in disclosure year \$2,678 \$11,202 \$1,158 \$1,128	foregone from posted	Rate (eg, \$ per day, \$	Fixed \$/day \$6,942 \$438	Variable \$/GJ \$2,678 \$4,260 \$755 \$690	ponent			for additional line charge revenues by price component as
onsumer group name or price category code	Consumer type or types (eg, residential, commercial, etc.) Residential Residential / Small Commercial Commercial Commercial Commercial	group (spedfy) Standard Standard Standard Standard Standard Standard	in disclosure year \$2,678 \$11,202 \$1,158 \$1,128 \$1,128 \$1,332	foregone from posted	Rate (eg, \$ per day, \$	Fixed \$/day \$6,942 \$403 \$438 \$317	Variable \$/GJ \$2,678 \$4,260 \$755 \$590 \$1,014	ponent			for additional line charge revenues by price component as
onsumer group name or price category code	Consumer type or types (eg, residential, commercial, etc.) Residential Residential / small Commercial Commercial Commercial Commercial Commercial	group (specify) Standard Standard Standard Standard Standard Standard	in disclosure year \$2,678 \$11,202 \$1,158 \$1,128 \$1,228 \$1,332 \$461	foregone from posted	Rate (eg, \$ per day, \$	Fixed \$/day \$6,942 \$403 \$433 \$337 \$114	Variable \$/GJ \$2,678 \$4,260 \$755 \$690 \$1,014 \$346	ponent			for additional line charge revenues by price component as
onsumer group name or price category code	Consumer type or types (eg, residential, commercial, etc.) Residential Residential / Small Commercial Commercial Commercial Commercial	group (spedfy) Standard Standard Standard Standard Standard Standard	in disclosure year \$2,678 \$11,202 \$1,158 \$1,128 \$1,332 \$461 \$459	foregone from posted	Rate (eg, \$ per day, \$	Fixed \$/day \$6,942 \$403 \$438 \$337 \$114 \$117	Variable \$/GJ \$2,678 \$4,260 \$755 \$690 \$1,014 \$346 \$342	ponent			for additional line charge revenues by price component as
onsumer group name or price category code	Consumer type or types (eg, residential, commercial, etc.) Residential Residential / Small Commercial Commercial Commercial Commercial Commercial Commercial	group (specify) Standard Standard Standard Standard Standard Standard Non-standard	in disclosure year \$2,678 \$11,202 \$1,158 \$1,128 \$1,228 \$1,332 \$461	foregone from posted	Rate (eg, \$ per day, \$	Fixed \$/day \$6,942 \$403 \$433 \$337 \$114	Variable \$/GJ \$2,678 \$4,260 \$755 \$690 \$1,014 \$346	ponent			for additional line charge revenues by price component as
onsumer group name or price category code	Consumer type or types (eg, residential, commercial, etc.) Residential Residential / Small Commercial Commercial Commercial Commercial Commercial Commercial	group (specify) Standard Standard Standard Standard Standard Non-standard Non-standard Select one] Select one]	in disclosure year \$2,678 \$11,202 \$1,158 \$1,128 \$1,332 \$461 \$459	foregone from posted	Rate (eg, \$ per day, \$	Fixed \$/day \$6,942 \$403 \$438 \$337 \$114 \$117	Variable \$/GJ \$2,678 \$4,260 \$755 \$690 \$1,014 \$346 \$342	ponent			for additional line charge revenues by price component as
onsumer group name or price category code	Consumer type or types (eg, residential, commercial, etc.) Residential Residential / Small Commercial Commercial Commercial Commercial Commercial Commercial	group (specify) Standard Standard Standard Standard Standard Standard Non-standard Non-standard [Select one] [Select one] [Select one]	in disclosure year \$2,678 \$11,202 \$1,158 \$1,128 \$1,332 \$461 \$459	foregone from posted	Rate (eg, \$ per day, \$	Fixed \$/day \$6,942 \$403 \$438 \$337 \$114 \$117	Variable \$/GJ \$2,678 \$4,260 \$755 \$690 \$1,014 \$346 \$342	ponent			for additional line charge revenues by price component as
onsumer group name or price category code	Consumer type or types (eg, residential, commercial, etc.) Residential / Small Commercial Commercial Commercial Commercial Commercial Commercial Commercial	group (specify) Standard Standard Standard Standard Standard Non-standard Non-standard Select one] Select one]	in disclosure year \$2,678 \$11,202 \$1,158 \$1,128 \$1,332 \$461 \$459	foregone from posted	Rate (eg, \$ per day, \$	Fixed \$/day \$6,942 \$403 \$438 \$337 \$114 \$117	Variable \$/GJ \$2,678 \$4,260 \$755 \$690 \$1,014 \$346 \$342	ponent			for additional line charge revenues by price component as
onsumer group name or price category code	Consumer type or types (eg, residential, commercial, etc.) Residential / Small Commercial Commercial Commercial Commercial Commercial Commercial Commercial	group (specify) Standard Standard Standard Standard Standard Standard Non-standard Non-standard [Select one] [Select one] [Select one]	in disclosure year \$2,678 \$11,202 \$1,158 \$1,128 \$1,332 \$461 \$459	foregone from posted	Rate (eg, \$ per day, \$	Fixed \$/day \$6,942 \$403 \$438 \$337 \$114 \$117	Variable \$/GJ \$2,678 \$4,260 \$755 \$690 \$1,014 \$346 \$342	ponent			for additional line charge revenues by price component as
onsumer group name or price category code	Consumer type or types (eg, residential, commercial, etc.) Residential / Small Commercial Commercial Commercial Commercial Commercial Commercial Commercial	group (specify) Standard Standard Standard Standard Standard Standard Non-standard Non-standard Select one] [Select one] [Select one] [Select one]	In disclosure year \$2,678 \$11,20 \$1,158 \$1,128 \$1,328 \$461 \$459 \$3,552	foregone from posted	Rate (eg, \$ per day, \$	Fixed \$/day \$6,942 \$403 \$438 \$317 \$114 \$117 \$1,384 	Variable \$/GJ \$2,678 \$4,260 \$755 \$690 \$1,014 \$346 \$342 \$2,169	ponent			for additional line charge revenues by price component as

Page 24 of 60

							Company Name		Limited
							For Year Ended	30 Septem	
						Network / Sul	b-Network Name	Low	/er
	QUANTITIES AND LINE CHAR(category code used by the	e GDB in its pricing schedules.	Information is also required on	n the number of ICPs th	hat are included in each consum	er group or price category	
J. Billed quantities by price	component					Billed quantities by p	vice component		Add extra column
						billed quantities by p	rice component		for additional bille
					Price component	Fixed	Variable		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		
06	Residential	Standard	13.561	174		[]	174.181	1 1	
i11	Residential / Small Commercial	Standard	48,447			17,683,155	1,832,692		
12	Commercial	Standard	1,109			404,785	253,781		
i14	Commercial	Standard	276			100,558	201,407		
16 18	Commercial Commercial	Standard Standard	121			44,165	254,481		
30	Commercial	Non-standard	100			7,300	50,899 312,508		
40	Industrial	Non-standard	31			7,080	648,867		
		[Select one]							
		[Select one]							
		[Select one] [Select one]							
dd extra rows for additional consumer gr	roups or price category codes as necessary	[Select one]		I		LI			
		Standard consumer totals	63,533			18,239,963	2,767,440		-
		Non-standard consumer totals Total for all consumers	131 63,664			34,832 18,274,795	961,375 3,728,815	· ·	-
i): Line charge revenues (\$0	100) by price component					34,832			; ;
i): Line charge revenues (\$0	00) by price component					34,832 18,274,795			Add extra column
i): Line charge revenues (\$0	00) by price component				Price component	34,832 18,274,795	3,728,815		- -
i): Line charge revenues (\$0 Consumer group name or price category code		Total for all consumers	63,664	3,729 Notional revenue		34,832 18,274,795 Line charge revenue	3,728,815		for additional line charge revenues b price component a
Consumer group name or price category code	r Consumer type or types (eg. residential, commercial, etc.)	Total for all consumers Standard or non-standard consumer group (specify)	63,664 Total line charge revenue in disclosure year	3,729 Notional revenue foregone from posted discounts (if applicable)	Price component Rate (eg, \$ per day, \$	34,832 18,274,795	3,728,815 s (\$000) by price component Variable \$/GJ		for additional line charge revenues b price component a
Consumer group name or price category	Consumer type or types (eg, residential,	Total for all consumers	63,664 Total line charge revenue	3,729 Notional revenue foregone from posted discounts (if applicable)	Price component Rate (eg, \$ per day, \$	34,832 18,274,795	3,728,815 s (\$000) by price component Variable		for additional line charge revenues b price component a
Consumer group name or price category code	Consumer type or types (eg, residential, commercial, etc.) Residential Residential / Small Commercial Commercial	Standard or non-standard consumer group (specify) Standard Standard Standard Standard	63,664 Total line charge revenue in disclosure year \$3,477 \$19,908 \$18,866	3,729 Notional revenue foregone from posted discounts (if applicable)	Price component Rate (eg, \$ per day, \$	34,832 18,274,795 Line charge revenue Fixed \$/day	3,728,815 s (\$000) by price component Variable \$/GJ \$3,477 \$9,460 \$1,460		for additional line charge revenues b price component a
Consumer group name or price category code	Consumer type or types (eg, residential, commercial, etc.) Residential / Residential / Small Commercial Commercial	Standard or non-standard consumer group (specify) Standard Standard Standard Standard Standard Standard Standard	63,664 Total line charge revenue in disclosure year \$3,477 \$19,908 \$1,846 \$1,734	3,729 Notional revenue foregone from posted discounts (if applicable)	Price component Rate (eg, \$ per day, \$	34,832 18,274,795 Line charge revenue Fixed \$/day	3,728,815 s (\$000) by price component Variable \$/GJ \$3,477 \$9,460 \$1,460 \$1,145		for additional line charge revenues b price component a
Consumer group name or price category code	Consumer type or types (eg. residential, commercial, etc.) Residential Residential / Small Commercial Commercial Commercial Commercial	Standard or non-standard consumer group (specify) Standard	63,664 Total line charge revenue in disclosure year \$3,477 \$19,908 \$1,846 \$1,734 \$1,734	3,729 Notional revenue foregone from posted discounts (if applicable)	Price component Rate (eg, \$ per day, \$	34,832 18,274,795 Line charge revenue Fixed \$/day \$/day	3,728,815 s (\$000) by price component Variable \$/GJ \$3,477 \$9,460 \$1,445 \$1,208		for additional line charge revenues b price component a
Consumer group name or price category code	Consumer type or types (eg, residential, commercial, etc.) Residential / Residential / Small Commercial Commercial	Standard or non-standard consumer group (specify) Standard Standard Standard Standard Standard Standard Standard	63,664 Total line charge revenue in disclosure year \$3,477 \$19,908 \$1,846 \$1,734 \$1,611 \$334	3,729 Notional revenue foregone from posted discounts (if applicable)	Price component Rate (eg, \$ per day, \$	34,832 18,274,795 Line charge revenue Fixed \$/day	3,728,815 s (\$000) by price component Variable \$/GJ \$J,460 \$1,460 \$1,460 \$1,465 \$1,208 \$2,234		for additional line charge revenues b price component a
Consumer group name or price category code 111 112 114 116 118	Consumer type or types (eg. residential, commercial, etc.) Residential Residential / Small Commercial Commercial Commercial Commercial	Standard or non-standard consumer group (specify) Standard	63,664 Total line charge revenue in disclosure year \$3,477 \$19,908 \$1,846 \$1,734 \$1,734	Notional revenue foregone from posted discounts (if applicable)	Price component Rate (eg, \$ per day, \$	34,832 18,274,795 Line charge revenue Fixed \$/day \$/day	3,728,815 s (\$000) by price component Variable \$/GJ \$3,477 \$9,460 \$1,445 \$1,208		for additional line charge revenues b price component a
Consumer group name or price category code 111 112 114 116 118 30	Consumer type or types (eg, residential, commercial, etc.) Residential Residential / Small Commercial Commercial Commercial Commercial Commercial Commercial	Standard or non-standard consumer group (specify) Standard	63,664 Total line charge revenue in disclosure year \$3,477 \$19,908 \$3,846 \$1,734 \$1,614 \$3,845 \$1,734 \$3,654	Notional revenue foregone from posted discounts (if applicable)	Price component Rate (eg, \$ per day, \$	34,832 18,274,795	3,728,815 s (\$000) by price component Variable \$/GJ \$/GJ \$3,477 \$9,460 \$1,460 \$1,460 \$1,45 \$1,208 \$234 \$559		for additional line charge revenues b price component a
Consumer group name or price category code 111 112 114 116 118 30	Consumer type or types (eg, residential, commercial, etc.) Residential Residential / Small Commercial Commercial Commercial Commercial Commercial Commercial	Total for all consumers Standard or non-standard consumer group (specify) Standard Standard	63,664 Total line charge revenue in disclosure year \$3,477 \$19,908 \$3,846 \$1,734 \$1,614 \$3,845 \$1,734 \$3,654	Notional revenue foregone from posted discounts (if applicable)	Price component Rate (eg, \$ per day, \$	34,832 18,274,795	3,728,815 s (\$000) by price component Variable \$/GJ \$/GJ \$3,477 \$9,460 \$1,460 \$1,460 \$1,45 \$1,208 \$234 \$559		for additional line charge revenues b price component a
Consumer group name or price category code 111 112 114 116 118 30	Consumer type or types (eg, residential, commercial, etc.) Residential Residential / Small Commercial Commercial Commercial Commercial Commercial Commercial	Standard or non-standard consumer group (specify) Standard Standard Standard Standard Standard Standard Nan-standard Non-standard Non-standard Standard	63,664 Total line charge revenue in disclosure year \$3,477 \$19,908 \$3,846 \$1,734 \$1,614 \$3,845 \$1,734 \$3,654	Notional revenue foregone from posted discounts (if applicable)	Price component Rate (eg, \$ per day, \$	34,832 18,274,795	3,728,815 s (\$000) by price component Variable \$/GJ \$/GJ \$3,477 \$9,460 \$1,460 \$1,460 \$1,45 \$1,208 \$234 \$559		for additional line charge revenues b price component a
Consumer group name or price category code	Consumer type or types (eg. residential, commercial, etc.) Residential Residential / Small Commercial Commercial Commercial Commercial Commercial Commercial Commercial Commercial	Standard or non-standard consumer group (specify) Standard	63,664 Total line charge revenue in disclosure year \$3,477 \$19,908 \$3,846 \$1,734 \$1,614 \$3,845 \$1,734 \$3,654	Notional revenue foregone from posted discounts (if applicable)	Price component Rate (eg, \$ per day, \$	34,832 18,274,795	3,728,815 s (\$000) by price component Variable \$/GJ \$/GJ \$3,477 \$9,460 \$1,460 \$1,460 \$1,45 \$1,208 \$234 \$559		for additional line charge revenues b price component a
Consumer group name or price category code	Consumer type or types (eg, residential, commercial, etc.) Residential Residential / Small Commercial Commercial Commercial Commercial Commercial Commercial	Standard or non-standard consumers Standard or non-standard consumer group (specify) Standard S	63,664 Total line charge revenue in disclosure year \$3,477 \$19,908 \$3,846 \$1,734 \$1,614 \$3,845 \$1,734 \$3,654	Notional revenue foregone from posted discounts (if applicable)	Price component Rate (eg, \$ per day, \$	34,832 18,274,795	3,728,815 s (\$000) by price component Variable \$/GJ \$/GJ \$3,477 \$9,460 \$1,460 \$1,460 \$1,45 \$1,208 \$234 \$559		for additional line charge revenues b price component a
Consumer group name or price category code	Consumer type or types (eg. residential, commercial, etc.) Residential Residential / Small Commercial Commercial Commercial Commercial Commercial Commercial Commercial Commercial	Standard or non-standard consumer Standard Standard <td>63,664</td> <td>Notional revenue foregone from posted discounts (if applicable)</td> <td>Price component Rate (eg, \$ per day, \$</td> <td>34,832 18,274,795</td> <td>3,728,815 s (5000) by price component Variable \$/GJ \$3,477 \$9,460 \$1,460 \$1,445 \$1,208 \$234 \$559 \$761 \$761 \$</td> <td></td> <td>for additional line charge revenues b price component a</td>	63,664	Notional revenue foregone from posted discounts (if applicable)	Price component Rate (eg, \$ per day, \$	34,832 18,274,795	3,728,815 s (5000) by price component Variable \$/GJ \$3,477 \$9,460 \$1,460 \$1,445 \$1,208 \$234 \$559 \$761 \$761 \$		for additional line charge revenues b price component a

Page 25 of 60

			Con	npany Name		Powerco	Limited	
			Fo	Year Ended		30 Septem	ber 2019	
			Network / Sub-ne	twork Name		Powerco	Limited	
SCH	IEDULE 9a: ASSET I	REGISTER						
nis s	chedule requires a summary	of the quantity of assets that make up th	e network, by asset category and asse	class.				
ref								
Ĩ								
					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-
9	Intermediate Pressure	Main pipe	IP PE main pipe	km	2	3	1	3
0	Intermediate Pressure	Main pipe	IP steel main pipe	km	264	263	(1)	3
1	Intermediate Pressure	Main pipe	IP other main pipe	km	0	0	0	3
2	Intermediate Pressure	Service pipe	IP PE service pipe	km	0	0	0	3
3	Intermediate Pressure	Service pipe	IP steel service pipe	km	11	11	(0)	3
4	Intermediate Pressure	Service pipe	IP other service pipe	km	1	1	0	3
5	Intermediate Pressure	Stations	Intermediate pressure DRS	No.	130	129	(1)	3
5	Intermediate Pressure	Line valve	IP line valves	No.	659	664	5	3
7	Intermediate Pressure	Special crossings	IP crossings	No.	106	98	(8)	3
8	Medium Pressure	Main pipe	MP PE main pipe	km	3,496	3,542	47	3
9	Medium Pressure	Main pipe	MP steel main pipe	km	151	152	1	3
о	Medium Pressure	Main pipe	MP other main pipe	km	30	29	(1)	3
1	Medium Pressure	Service pipe	MP PE service pipe	km	1,891	1,919	28	3
2	Medium Pressure	Service pipe	MP steel service pipe	km	50	50	0	3
3	Medium Pressure	Service pipe	MP other service pipe	km	53	52	(1)	3
4	Medium Pressure	Stations	Medium pressure DRS	No.	67	68	1	3
5	Medium Pressure	Line valve	MP line valves	No.	1,279	1,356	77	3
6	Medium Pressure	Special crossings	MP special crossings	No.	239	257	18	3
7	Low Pressure	Main pipe	LP PE main pipe	km	30	16	(14)	3
8	Low Pressure	Main pipe	LP steel main pipe	km	4	4	0	3
9	Low Pressure	Main pipe	LP other main pipe	km	1	1	0	3
0	Low Pressure	Service pipe	LP PE service pipe	km	11	7	(4)	3
1	Low Pressure	Service pipe	LP steel service pipe	km	1	1	(0)	
2	Low Pressure	Service pipe	LP other service pipe	km	1	1	(0)	
3	Low Pressure	Line valve	LP line valves	No.	183	116	(67)	3
4	Low Pressure	Special crossings	LP special crossings	No.	2		(2)	
5	All	Monitoring and control systems	Remote terminal units	No.	139	143	4	4
6	All	Cathodic protection systems	Cathodic protection	No.	54	55	1	3

Company Name	Powerco Limited
For Year Ended	30 September 2019
Network / Sub-network Name	Central

SCHEDULE 9a: ASSET REGISTER This schedule requires a summary of the quantity of assets that make up the network, by asset category and asset class.

sch r	f							
8	Operating Pressure	Asset Category	Asset Class	Units	ltems at start of year (quantity)	Items at end of year (quantity)	Net change	Data accuracy (1–4)
9	Intermediate Pressure	Main pipe	IP PE main pipe	km	2	2	0	3
10	Intermediate Pressure	Main pipe	IP steel main pipe	km	105	105	(0)	3
11	Intermediate Pressure	Main pipe	IP other main pipe	km	0	0	-	3
12	Intermediate Pressure	Service pipe	IP PE service pipe	km	0	0	-	3
13	Intermediate Pressure	Service pipe	IP steel service pipe	km	3	3	(0)	3
14	Intermediate Pressure	Service pipe	IP other service pipe	km	0	0	-	3
15	Intermediate Pressure	Stations	Intermediate pressure DRS	No.	52	51	(1)	3
16	Intermediate Pressure	Line valve	IP line valves	No.	127	129	2	3
17	Intermediate Pressure	Special crossings	IP crossings	No.	56	54	(2)	3
18	Medium Pressure	Main pipe	MP PE main pipe	km	1,835	1,853	18	3
19	Medium Pressure	Main pipe	MP steel main pipe	km	138	139	1	3
20	Medium Pressure	Main pipe	MP other main pipe	km	17	16	(1)	3
21	Medium Pressure	Service pipe	MP PE service pipe	km	1,009	1,020	11	3
22	Medium Pressure	Service pipe	MP steel service pipe	km	40	40	(0)	3
23	Medium Pressure	Service pipe	MP other service pipe	km	28	28	(0)	3
24	Medium Pressure	Stations	Medium pressure DRS	No.	44	43	(1)	3
25	Medium Pressure	Line valve	MP line valves	No.	762	767	5	3
26	Medium Pressure	Special crossings	MP special crossings	No.	150	161	11	3
27	Low Pressure	Main pipe	LP PE main pipe	km	3	3	0	3
28	Low Pressure	Main pipe	LP steel main pipe	km	3	3	(0)	3
29	Low Pressure	Main pipe	LP other main pipe	km	0	0	-	3
30	Low Pressure	Service pipe	LP PE service pipe	km	3	3	0	3
31	Low Pressure	Service pipe	LP steel service pipe	km	0	0	0	3
32	Low Pressure	Service pipe	LP other service pipe	km	1	1	(0)	3
33	Low Pressure	Line valve	LP line valves	No.	13	13	-	3
34	Low Pressure	Special crossings	LP special crossings	No.	-	-	-	3
35	All	Monitoring and control systems	Remote terminal units	No.	67	66	(1)	4
36	All	Cathodic protection systems	Cathodic protection	No.	37	37	-	3

			Con	npany Name		Powerco	Limited	
			Fo	Year Ended		30 Septem	ber 2019	
			Network / Sub-ne	twork Name		Low	er	
CL	EDULE 9a: ASSET F	PEGISTER						
~		of the quantity of assets that make up th	a patwork, by access sates and acces	class				
1115 5	schedule requires a summary	of the quantity of assets that make up to	e network, by asset category and asse	CIASS.				
ref								
					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–
9	Intermediate Pressure	Main pipe	IP PE main pipe	km	0	1	1	3
0	Intermediate Pressure	Main pipe	IP steel main pipe	km	159	158	(1) 3
1	Intermediate Pressure	Main pipe	IP other main pipe	km	-	0	0	3
2	Intermediate Pressure	Service pipe	IP PE service pipe	km	0	0	0	3
3	Intermediate Pressure	Service pipe	IP steel service pipe	km	8	8	(0	
4	Intermediate Pressure	Service pipe	IP other service pipe	km	1	1	0	3
5	Intermediate Pressure	Stations	Intermediate pressure DRS	No.	78	78		- 3
5	Intermediate Pressure	Line valve	IP line valves	No.	532	535	3	3
7	Intermediate Pressure	Special crossings	IP crossings	No.	50	44	(6) 3
8	Medium Pressure	Main pipe	MP PE main pipe	km	1,660	1,689	29	3
9	Medium Pressure	Main pipe	MP steel main pipe	km	13	13	0	3
0	Medium Pressure	Main pipe	MP other main pipe	km	13	13	(0) 3
1	Medium Pressure	Service pipe	MP PE service pipe	km	883	899	17	3
2	Medium Pressure	Service pipe	MP steel service pipe	km	10	11	1	3
3	Medium Pressure	Service pipe	MP other service pipe	km	24	24	(1) 3
4	Medium Pressure	Stations	Medium pressure DRS	No.	23	25	2	3
5	Medium Pressure	Line valve	MP line valves	No.	517	589	72	3
6	Medium Pressure	Special crossings	MP special crossings	No.	89	96	7	3
7	Low Pressure	Main pipe	LP PE main pipe	km	27	13	(14) 3
8	Low Pressure	Main pipe	LP steel main pipe	km	1	1	0	3
9	Low Pressure	Main pipe	LP other main pipe	km	1	1	0	3
0	Low Pressure	Service pipe	LP PE service pipe	km	8	5	(4) 3
1	Low Pressure	Service pipe	LP steel service pipe	km	1	1	(0) 3
2	Low Pressure	Service pipe	LP other service pipe	km	0	0	(0) 3
3	Low Pressure	Line valve	LP line valves	No.	170	103	(67) 3
4	Low Pressure	Special crossings	LP special crossings	No.	2	-	(2) 3
5	All	Monitoring and control systems	Remote terminal units	No.	72	77	5	4
6	All	Cathodic protection systems	Cathodic protection	No.	17	18	1	3

																											ny Name ar Ended			_	Powerco 30 Septer	Limited		
																								Ne	etwork / S						Powerco			
IEDULE 9b: ASSET A chedule requires a summary of	GE PROFILE the age profile (based on year of install	lation) of the assets that make	up the n	etwork, by	asset categ	ory and as	set class.																					L						
	Disclosure Year (year ended)	30 September 2019	9								Numb	er of asset:	s at disclosu	re year en	d by installa	tion date																		
					1970	1975	1980	1985-	1990	1995																					No. with age	Items at end of year	No. with	Data a
Operating Pressure	Asset Category	Asset Class	Units	pre-1970			-1980			-1995	2000	2001	2002	2003	2004	2005	2006	2007	2008	2009	2010	2011	2012	2013	2014	2015	2016	2017	2018	2019	unknown		default dates	
Intermediate Pressure	Main pipe	IP PE main pipe	km	-	-	-	-	-	-		-	-	-	-	-						-	-	1	-	-	0	0	1	1	0		3		
Intermediate Pressure	Main pipe	IP steel main pipe	km	6	65	33	93	44	12	4	4) ()	(0 0	0 0	0	0	C	0	0	0	0	-	0	0	0	0	0	0		263	-	1
Intermediate Pressure	Main pipe	IP other main pipe	km	0	0	-	-	-	-		-	-	-	-	-	-					-	-	-	-	-		-					0		
Intermediate Pressure	Service pipe	IP PE service pipe	km	0	0	0	0	0	0	0		-	-	-	-	-		- 0	C	0	0	-	0	-	-	0	-	0	-			0		
Intermediate Pressure	Service pipe	IP steel service pipe	km	0	1	1	3	3	1	0	0)	- (0) 0	0	0	C	0	0	0	0	0		0		0	0			11		
Intermediate Pressure	Service pipe	IP other service pipe	km	0	0	0	1	0	-		- 0		-	-	-	- 0				- 0	-	-	-	-	-		-	1.1	-			1		
Intermediate Pressure	Stations	Intermediate pressure DRS	5 No.	-	2	2	34	28	24	1		-	- 2	1	1	L 2	2	1	2	-	2	3	3	-	2	8	3	3	3			129		
Intermediate Pressure	Line valve	IP line valves	No.	1	39	28	101	310	61	11	3	1	L		3	8 9	5	6	8	6	9	13	13	4	2	5	3	8	3	9		664		
Intermediate Pressure	Special crossings	IP crossings	No.	1	6	5	61	17	3	3	1		-	-	-	-					-	-		-	-		1					98		
Medium Pressure	Main pipe	MP PE main pipe	km	3	40	182	589	635	710	671	62	5	L 40	29	9 5	8 49	47	48	47	26	21	24	29	19	27	27	28	36	35	17		3,542		
Medium Pressure	Main pipe	MP steel main pipe	km	7	58	26	24	24	7	6	1		0 0		0 1	0 0		- 0	C	0	0	0	0	-	0	0	0	0	0	0		152		
Medium Pressure	Main pipe	MP other main pipe	km	0	1	5	8	9	3	3	0		0 0		0 0	0 0	C	0	C	0	0	-	-	-	-		-	1.1				29		
Medium Pressure	Service pipe	MP PE service pipe	km	5	17	86	327	312	373	307	34	- 30	28	25	5 2	5 24	23	25	21	18	21	21	23	20	21	25	28	32	36	13		1,919		
Medium Pressure	Service pipe	MP steel service pipe	km	1	9	14	8	6	5	5	0	0	0 0		0 0	0 0	C	0	C	0	0	0	0	0	0	0	0	0	0	0		50		
Medium Pressure	Service pipe	MP other service pipe	km	0	1	2	23	13	8	1	0		0 0			ι Ο	0	0	C	0	-	0	-	0	0	0	0	1.1				52		
Medium Pressure	Stations	Medium pressure DRS	No.	-	-	-	7	33	13	1		-	- 1		-	- 2				- 1	-	2	2	-	2	2	-		- 1	1		68		
Medium Pressure	Line valve	MP line valves	No.	4	7	30	46	486	252	24			2 12	10	0 2:	l 13	26	i 17	30	35	39	53	48	16	34	38	19	38	37	18		1,356		_
Medium Pressure	Special crossings	MP special crossings	No.	2	20	5	93	60	31	24	3		5 2		-	L 3			1	3	-	-	-	1	-		-		- 2			257		1
Low Pressure	Main pipe	LP PE main pipe	km	-	0	0	2	4	4	2	0		-	- 1	1 () 0		- 0	1	. 0	0	-	0	0	2	0	0	0	0	0		16		_
Low Pressure	Main pipe	LP steel main pipe	km	-	-	0	0	0	3	0		-	-	-	-						-	-	0	-	0		-	0	-			4		
Low Pressure	Main pipe	LP other main pipe	km	-	-	-	0	-	0		-	-	-	-	-						-	-	-	-	0		-		-			1		1
Low Pressure	Service pipe	LP PE service pipe	km	0	0	0	0	1	2	2	0	0	0 0			0 0	0	0	C	0	0	0	0	0	0	0	0	0	0	0	L	7		
Low Pressure	Service pipe	LP steel service pipe	km	0	-	0	0	0	0	0	0	0	0 0	() .			C	0	-	-	0	-	-	0	-	0	0	0		1		4
Low Pressure	Service pipe	LP other service pipe	km	0	-	0	0	0	0	0	0		- 0		ו		0	-	0	-	0	-	-	-	0	0	-		-			1		+
Low Pressure	Line valve	LP line valves	No.		-	-	2	2	48	5	I	-	- 1		2	2 2	2	4	5	2	5	1	3	1	12	4		9	4			116		-
Low Pressure	Special crossings	LP special crossings	No.	-	-	-	-	-	-		1	-	-	-	-		-				-	-		-	-		-					-		4
All	Monitoring and control systems	Remote terminal units	No.		-	-	-	-	-	1		-	-		-	- 5		- 1		- 41	14	20	19	-	18	5	1	15	2	1		143		-
All	Cathodic protection systems	Cathodic protection	No.	1	10	5	7	4	5	4	3		1 1	1	-	1 1	1 1				-	-		-	-	1	2	4	3	1	1	55		

ef																																				
		Disclosure Year (year ended)	30 September 2019									Nun	ber of as	ets at disc	losure ye	ar end by i	nstallatio	n date																		
						1970	1975	1980	1985-	1990	1995																						No. with a	Items at e ze of vear		Data accur
,	Operating Pressure	Asset Category	Asset Class	Units	pre-1970	-1970		-1980		-1990			200	1 20	D2 2	2003	2004	2005	2006	2007	2008	2009	2010	2011	2012	2013	201	4 2015	2016	2017	201	18 201			default dates	
	Intermediate Pressure	Main pipe	IP PE main pipe	km	-	-		-		-	-	-	-	-	-	-	-	-	-	-		-	-	-	- 1		-	-	-	-	1	-	-		2	3
	Intermediate Pressure	Main pipe	IP steel main pipe	km	2	12	7	57	19		7	0	0	0	0	-	0	0	0	0	C	0) ()	- ()	-	0	0	0	0	0	0	1	15	3
	Intermediate Pressure	Main pipe	IP other main pipe	km	0	-		-		-	-	-	-	-	-	-	-	-	-	-		-	-	-	-	-	-	-	-	-	-	-	-		0	3
	Intermediate Pressure	Service pipe	IP PE service pipe	km	-	-		-	C		-	0	-	-	-	-	-	-	-	-		- 0)	-	-	-	-	-	-	-	0	-	-		0	3
	Intermediate Pressure	Service pipe	IP steel service pipe	km	0	0	1	1	1	(0	0	0	-	-	-	0	0	-	0	C	1	-	- ()	-	0	-	-	-	0	-	-		3	3
	Intermediate Pressure	Service pipe	IP other service pipe	km	-	-		-	C		-	-	-	-	-	-	-	-	-	-		-	-	-	-	-	-	-	-	-	-	-	-		0	3
	Intermediate Pressure	Stations	Intermediate pressure DRS	No.	-	-		3	27	10)	-	-	-	2	-	1	2	-	1		-	-	L	-		-	-	2	1	-	-	-		<u>,1</u>	3
	Intermediate Pressure	Line valve	IP line valves	No.	-	-		10	68	2:	1	-	-	-	-	-	1	3	1	-	1		1	5 2		5	3	-	-	-	4	1	1	1	²⁹	3
	Intermediate Pressure	Special crossings	IP crossings	No.	-	4	3	30	17		-	-	-	-	-	-	-	-	-	-		-	-	-	-	-	-	-	-	-	-	-	-		54	3
	Medium Pressure	Main pipe	MP PE main pipe	km	2	15	61	370	440	305	5 28	0	32	30	23	13	21	27	32	29	27	14	1	16	i 10	i	8	12	11 :	13 1	17	17	9	1,8	<mark>i3</mark>	3
	Medium Pressure	Main pipe	MP steel main pipe	km	7	55	24	20	22		5	4	1	0	0	0	0	0	-	0	C	0) ()	- ()	-	0	0	0	-	-	-	1	<mark>9</mark>	3
	Medium Pressure	Main pipe	MP other main pipe	km	0	1	3	3	7	1	1	1	0	0	0	-	0	-	0	0	C	0)	-	-	-	-	-	-	-	-	-	-		. <mark>6</mark>	3
	Medium Pressure	Service pipe	MP PE service pipe	km	2	12	66	163	216	194	4 13	5	17	12	10	11	11	11	12	12	10	9	9 10	10	1	1	0	9	11 :	13 1	15	19	7	1,0	20	3
	Medium Pressure	Service pipe	MP steel service pipe	km	1	9	13	7	6	1	3	1	0	0	0	0	0	0	0	0	C		- () () ()	0	-	-	0	0	0	0		40	3
	Medium Pressure	Service pipe	MP other service pipe	km	0	1	1	6	12		7	0	0	0	0	0	1	0	0	0	C	0)	-	-	-	-	-	-	-	-	-	-		18	3
	Medium Pressure	Stations	Medium pressure DRS	No.	-			-	33		5	1	-	-	-	-		2	-			-	-	-	-	-	-	-	1		-	-	-		43	3
	Medium Pressure	Line valve	MP line valves	No.	3	4	10	22	367	12:	1 1	1	1	1	6	8	8	8	15	10	11	. 16	i 14	28	29	1	1	10	13	6 1	16	10	8	7	<mark>\$7</mark>	3
	Medium Pressure	Special crossings	MP special crossings	No.	1	20		44	60	10	5	5	3	3	2	-	1	1	-	-		- 2	2	-	-	-	1	-	-	-	-	2	-	1	<mark>/1</mark>	3
	Low Pressure	Main pipe	LP PE main pipe	km	-	0		0	C		2	0	0	-	-	1	-	-	-	-	1		-	-	-	-	-	1	-	-	-	0	0		3	3
	Low Pressure	Main pipe	LP steel main pipe	km	-		0	0	C		3	0	-	-	-	-	-		-			-	-	-	-	-	-	-	-		-	-	-		3	3
	Low Pressure	Main pipe	LP other main pipe	km	-	-		0		- (0	-	-	-	-	-	-	-	-	-		-	-	-	-	-	-	-	-	-	-	-	-		0	3
	Low Pressure	Service pipe	LP PE service pipe	km	0	0	0	0	1	1	1	1	0	0	0	0	0	0	0	-	C		0	0 0	0)	0	0	-	0	0	0	0		3	3
	Low Pressure	Service pipe	LP steel service pipe	km	0		0	0	C)	0	-	0	-	-	-		-		C		-	-	-	-	-	-	-		-	-	0		0	3
	Low Pressure	Service pipe	LP other service pipe	km	0	-	0	0	C		0	0	0	-	0	0	-	-	-	-	C		- ()	-	-	-	-	-	-	-	-	-		1	3
	Low Pressure	Line valve	LP line valves	No.	-				2		2	2	-	-	-	-	-	-		-		-	- :		-	-	-	6	-	-	-	-	-		3	3
	Low Pressure	Special crossings	LP special crossings	No.	-					-	-	-	-	-	-	-	-	-	-	-		-	-	-	-	-	-	-	-	-	-	-	-		-	3
	All	Monitoring and control systems	Remote terminal units	No.	-					-	-	-	-	-	-	-	-	3	-	-		- 15		- 15	18		-	9	1	1	4	-	-		6	4

Page 28 of 60

Company Name

For Year Ended Network / Sub-network Name Powerco Limited 30 September 2019

Central

																											ny Name ar Endea				Powero 30 Septe	b Limited mber 2019		_
																								Ne	twork / S	ub-netwo					Lo			
DULE 9b: ASSET AG dule requires a summary of t	GE PROFILE the age profile (based on year of instal Disclosure Year (year ended)	lation) of the assets that make 30 September 2019	j	etwork, by a	asset categ	ory and as	set class.				Numi	er of asse	ts at discl	osure year	end by insta	lation date																		
Operating Pressure	Asset Category	Asset Class	Unite	pre-1970	1970	1975	1980 -1984	1985- 1989		1995	2000	2001	200	2 200	3 2004	2005	2006	2007	2008	2009	2010	2011	2012	2012	2014	2015	2016	2017	2019	2010	No. with age	Items at end of year (quantity)	No. with default dates	Data accu (1–4)
Intermediate Pressure	Main pipe	IP PE main pipe	km	pre-1370	-1374	-13/3	-1304	1909	-1334	-1333	2000	2003		2 200	. 2004	2003	2000	2007	2008	2003	2010	2011	2012	2013	2014	2013	2010	2017	1	2019	dikilowii	(quantity)	default dates	3
Intermediate Pressure	Main pipe	IP steel main pipe	km		53	26	36	25	e .			2	0	0	0	-								-		0				0		158		3
Intermediate Pressure	Main pipe	IP other main pipe	km			- 20		- 25	,		1	-	-	-	-	-	1	-	1				-					-				138		
Intermediate Pressure	Service pipe	IP PE service pipe	km	0	0	0	0		0	0	1	-	-	-	-	-	1	- 0			0	-	0			0		1	- I			0		
Intermediate Pressure	Service pipe	IP steel service pipe	km	0	1	1	3	2	0	0	1	n	0	-	0	0	-			0	0	0	0	0		0	1	- 0	0			8		<u> </u>
Intermediate Pressure	Service pipe	IP other service pipe	km	0	0	0	1	0	-			D	-	-	-	-		-		- 0			-	-				-		-		1		
Intermediate Pressure	Stations	Intermediate pressure DRS	5 NO		2	2	31	1	14	1		-	-		1					2	1	3	2		2	6	2	3	3			78		<u> </u>
Intermediate Pressure	Line valve	IP line valves	No.	1	39	28	91	242	40	11		3	1	-	3	2	5	6		7 4	4	11	7	1	2	5		4	2	8		535		
Intermediate Pressure	Special crossings	IP crossings	No.	1	2	2	31	-	3	3		1	-	-	-		-	-	-				-	-			- 1					44		
Medium Pressure	Main pipe	MP PE main pipe	km	0	24	121	219	194	406	391	3	D	21	16	16	32 2	1	19	2	12	11	8	13	11	15	15	15	19	18	8		1.689		
Medium Pressure	Main pipe	MP steel main pipe	km	-	2	3	3	1	2	2		D	0	-	-	0)	-	-) .	0	0	0	-	0	0	0	0	0	0		13		
Medium Pressure	Main pipe	MP other main pipe	km	-	0	2	5	2	2	2		D	0	0	0	0			-	- 0	0	-	-	-			-	-	-	-		13		
Medium Pressure	Service pipe	MP PE service pipe	km	3	5	20	163	95	179	173	1	7	18	18	13	15 1	3 1	13	1	1 9	10	11	12	11	12	14	15	16	17	6		899		
Medium Pressure	Service pipe	MP steel service pipe	km	0	0	1	2	0	2	4		D	0	0	0	0)	0		0 0	0	0	0	-	0	0	0	0	0	0		11		3
Medium Pressure	Service pipe	MP other service pipe	km	0	0	1	18	1	1	1		D	0	0	0	0)	0		0 0		0	-	0	0	0	0		-	-		24		
Medium Pressure	Stations	Medium pressure DRS	No.	-	-	-	7	-	7			-	-	1	-	-	-	-	-	- 1		- 2	2	-	2	1		-	1	1		25		1
Medium Pressure	Line valve	MP line valves	No.	1	3	20	24	119	131	13		-	1	6	2	13	i 1	. 7	1	9 19	25	25	19	5	24	25	13	22	27	10		589		
Medium Pressure	Special crossings	MP special crossings	No.	1	-	5	49	-	15	19		-	3	-	-	-	2	-	-	1 1		-	-	-			-	-	-	-		96		(
Low Pressure	Main pipe	LP PE main pipe	km	-	0	0	2	4	4	2		D	-	-	0	0		- 0		0 0	0	-	0	0	0	0	0	0	0			13		
Low Pressure	Main pipe	LP steel main pipe	km	-	-	0	0		0	0		-	-	-	-	-	-	-	-	-		-	0	-	0			- 0	-			1		
Low Pressure	Main pipe	LP other main pipe	km	-	-	-	0	-	0			-	-	-	-	-	-	-	-	-		-	-	-	0		-	-	-	-		1		
Low Pressure	Service pipe	LP PE service pipe	km	0	0	0	0	1	1	1		D	0	0	0	0		0		0 0	0	0	0	0	0	0	0	0	0	0		5		
Low Pressure	Service pipe	LP steel service pipe	km	0	-	0	0	0	0	0		D	0	0	0	0	-	-	-	0 0		-	0	-		• 0		- 0	0	-		1		
Low Pressure	Service pipe	LP other service pipe	km	-	-	0	0	0	0	0		-	-	-	-	-	-	1	-	-		-	-	-	0	0		-	-	-		0		3
Low Pressure	Line valve	LP line valves	No.		-	-	2	-	46	3		-	-	1	2	2	2	4	1	5 2	4	1	3	1	6	4	I	- 9	4	-		103		
Low Pressure	Special crossings	LP special crossings	No.	-	-	-	-	-	-			-	-	-	-	-	-	-	-	-		-	-	-			-	-	-	-				
All	Monitoring and control systems		No.	-	-	-	-	-	-	1	1	-	-	-	-	-	2	- 1	1	- 26	14	5	1	-	9	4		- 11	2	1		77		4
All	Cathodic protection systems	Cathodic protection	No.		1	2	1		2	1	1	-	-	-	-	-	-	1	-	4 .		-	-			1 1	1 2	4	2	1		18		3

	Company Name		Powerco Limited	t l
	For Year Ended	3	0 September 20	19
	Network / Sub-network Name		Powerco Limited	ł
 DULE 9C: REPORT ON PIPELINE DATA edule requires a summary of the key characteristics of the pipeline	network.			
Network Information (end of year) System length by material (defined by GDB)	Length (km)	%	_	
PE	5,488	90.68%		
Steel	481	7.95%		
Other	83	1.38%		
[Pipeline material 4 e.g, Steel, PE, Other]		-		
[Pipeline material 5 e.g, Steel, PE, Other]		-		
[Pipeline material 6 e.g, Steel, PE, Other]		-		
System length	6,053	100.00%		
	System length (km)	Weighted average pipe diameter	Number of ICPs (at	
By operating pressure:	(at year end)	(mm)	year end)	(LT)
Intermediate pressure	278	134	281	1,85
	5,744	40	109,131	6,7
Medium pressure Low pressure	30	80	751	21

		Company Name		Powerco Limited	
		For Year Ended	30) September 20	19
	Network /	Sub-network Name		Central	
c	CHEDULE 9c: REPORT ON PIPELINE DATA				
-					
In	is schedule requires a summary of the key characteristics of the pipeline network.				
sch i	ef				
	Network Information (end of year)				
8		Length (km)	%		
9	System length by material (defined by GDB)		89.58%	l	
10 11	Steel	2,881			
11 12	Other	45	9.01%		
12	[Pipeline material 4 e.g. Steel, PE, Other]	45	1.41%		
13	[Pipeline material 5 e.g. Steel, PE, Other]		-		
14					
16		3,216	100.00%		
17		5,210	100.007/	l	
					Gas conveyed for
			Weighted average		Persons not
18	By operating pressure:	System length (km) (at year end)	pipe diameter (mm)	year end)	involved in the GDB (TJ)
18	Intermediate pressure	(at year end) 110	132	year end) 69	1,474
19 20	Medium pressure	3,096	37	45,564	3,632
20	Low pressure	10	49	45,584	18
21	Total	3,216	49	45,923	5,125
22	local	5,210	40	45,925	5,125

		Company Name		Powerco Limited	t
		For Year Ended	3(0 September 20	19
		Network / Sub-network Name		Lower	
СН	EDULE 9c: REPORT ON PIPELINE DATA	· · · · · · · · · · · · · · · · · · ·			
	chedule requires a summary of the key characteristics of the pipeline n	etwork.			
ef					
	Network Information (end of year)				
	System length by material (defined by GDB)	Length (km)	%		
	PE	2,607	91.92%		
	Steel	191	6.74%		
	Other	38	1.34%		
	[Pipeline material 4 e.g, Steel, PE, Other]		-		
	[Pipeline material 5 e.g, Steel, PE, Other]		-		
	[Pipeline material 6 e.g, Steel, PE, Other]		-		
	System length	2,836	100.00%		
				-	
			Weighted average		Gas conveyed fo Persons not
		System length (km)	pipe diameter	Number of ICPs (at	
	By operating pressure:	(at year end)	(mm)	year end)	(LT)
	Intermediate pressure	168	135	212	38
	Medium pressure	2,648	44	63,567	3,14
	Low pressure	20	95	461	20

	Company Name	Pov	verco Limited
	For Year Ended	30 Se	eptember 2019
	Network / Sub-network Name	Pov	verco Limited
CHED	ULE 9d: REPORT ON DEMAND		
nis schedu	Ile requires a summary of the key measures of network demand for the disclosure year (number of new connec	tions including.
	nonthly loads and total gas conveyed)		,
h ref			
8			
a a	d(i): Consumer Connections		
9 9 10	Number of ICPs connected in year by consumer type		
11	rumber of fel's connected in year by consumer type		
			Number of
12	Consumer types defined by GDB	0	onnections (ICPs)
13	Residential / Small Commerical		2,192
14	Commercial		103
15	Industrial		2
16	[GDB consumer type]		
17	[GDB consumer type]	Tabal	2 207
18		Total	2,297
19 9	d(ii): Gas Delivered		
20			
21	Number of ICPs at year end		connections
22	Maximum daily load		GJ per day)
23	Maximum monthly load		GJ per month)
24	Number of directly billed ICPs		at year end)
25	Total gas conveyed		GJ per annum)
26	Average daily delivery	24,283 (GJ per day)
27			

	Company Name	Р	Powerco Limited 30 September 2019 Central	
	For Year Ended	30		
	Network / Sub-network Name			
CHEDULE 9d: REPOR s schedule requires a summary ximum monthly loads and tota	of the key measures of network demand for the disclosure year (nu	mber of new conr	nections including,	
ref				
8				
9 9d(i): Consumer (Connections			
	nected in year by consumer type			
1			Number of	
2 Consumer type	s defined by GDB		connections (ICPs)	
Residential / S	mall Commerical		852	
4 Commercial			55	
5 Industrial			2	
6 [GDB consume	er type]			
7 [GDB consume	er type]			
3		Total	909	
9 9d(ii): Gas Delive	red			
20				
1 Number of ICP	s at year end	45,923	connections	
2 Maximum dail		21,517	(GJ per day)	
Maximum mor		529,557	(GJ per month)	
	ectly billed ICPs	-	(at year end)	
5 Total gas conv		5,138,247	(GJ per annum)	
5 Average daily	delivery	14,077	(GJ per day)	

	Сотро	any Name	P	Powerco Limited	
	For Ye	ear Ended	30	30 September 2019	
	Network / Sub-netw	ork Name	Lower		
CHEDU	LE 9d: REPORT ON DEMAND				
s schedule	e requires a summary of the key measures of network demand for the dis	closure year (number	of new conr	nections including,	
	nthly loads and total gas conveyed)	, ,		Ċ,	
ref					
Ĩ					
8					
. 0 d	(i): Consumer Connections				
9 9d	Number of ICPs connected in year by consumer type				
1					
				Number of	
2	Consumer types defined by GDB			connections (ICPs)	
3	Residential / Small Commerical			1,340	
4	Commercial			48	
15	Industrial			-	
16	[GDB consumer type]				
.7	[GDB consumer type]				
8			Total	1,388	
9 9d	(ii): Gas Delivered				
0					
1	Number of ICPs at year end		64,240	connections	
2	Maximum daily load		19,569	(GJ per day)	
3	Maximum monthly load		472,842	(GJ per month)	
4	Number of directly billed ICPs		-	(at year end)	
25	Total gas conveyed		3,725,190	(GJ per annum)	
?6 ?7	Average daily delivery		10,206	(GJ per day)	

	-			
	Company Name	Po	Powerco Limited	
	For Year Ended	30 S	30 September 2019	
	Network / Sub-network Name	Po	werco Limited	
	ULE 10a: REPORT ON NETWORK RELIABILITY AND INTERRUPTIONS			
	ule requires a summary of the key measures of network reliability (interruptions, SAIDI, SAIFI and CAIDI) for the disclosure year			
	provide explanatory comment on their network reliability for the disclosure year in Schedule 14 (Explanatory Notes to Templates). The	e SAIDI and SAIFI inforr	nation is part of aud	ted disclosure
ıformatio	n (as defined in section 1.4 of the ID determination), and so is subject to the assurance report required by section 2.8.			
ref				
8 1	.Oa(i): Interruptions			
9	Interruptions by class	Actual		
,	Class A (planned interruptions by GTB)	2		
	Class B (planned interruptions on the network)	172		
2	Class C (unplanned interruptions on the network)	289		
3	Class D (unplanned interruptions by GTB)	-		
!	Class I (unplanned interruptions caused by third party damage)	198		
	Total	661		
	Number of unplanned outage events (interruptions that affect more than 5 ICPs)	Actual		
	Wellington	1		
	Hutt Valley and Porirua	3		
	Taranaki	-		
	Manawatu & Horowhenua	-		
	Hawke's Bay	-		
?	Number of unplanned outage events caused by third party damage (interruptions that affect more than 5 ICPs)	Actual		
	Wellington	-		
1	Hutt Valley and Porirua	2		
	Taranaki			
	Manawatu & Horowhenua			
	Hawke's Bay	-		
1	.0a(ii): Reliability			
	Overall reliability	SAIDI	SAIFI	CAIDI
	Based on the total number of interruptions	991.18	7.951	124.
	Class I (unplanned interruptions caused by third party damage)	187.47	2.333	80.
	Class B (planned interruptions on the network)	SAIDI	SAIFI	CAIDI
	Wellington	291.41	3.022	96.
	Hutt Valley and Porirua	1,108.44	3.454	320.
	Taranaki	85.69	1.475	58.
	Manawatu & Horowhenua	95.72	0.875	109.
	Hawke's Bay		-	105.
	Class C (unplanned interruptions on the network)	SAIDI	SAIFI	CAIDI
	Wellington	264.06	2.897	91.
	Hutt Valley and Porirua	759.84	5.608	135.
	Taranaki	271.24	3.102	87.
	Manawatu & Horowhenua	66.67	1.069	62.
	Hawke's Bay	80.85	0.929	87.0

	Company Name	Р	Powerco Limited		
	For Year Ended		30 September 2019		
	Network / Sub-network Name		Central		
This GDB info	HEDULE 10a: REPORT ON NETWORK RELIABILITY AND INTERRUPTIONS s schedule requires a summary of the key measures of network reliability (interruptions, SAID), SAIFI and CAIDI) for the disclosure year Is must provide explanatory comment on their network reliability for the disclosure year in Schedule 14 (Explanatory Notes to Templates). The rmation (as defined in section 1.4 of the ID determination), and so is subject to the assurance report required by section 2.8.	e SAIDI and SAIFI info	rmation is part of au	dited disclosure	
sch re	f				
8	10a(i): Interruptions				
° 9	Interruptions by class	Actual			
10	Class A (planned interruptions by GTB)	Actual			
10	Class B (planned interruptions of the network)	35			
12	Class C (unplanned interruptions on the network)	81			
13	Class D (unplanned interruptions by GTB)	-			
14	Class I (unplanned interruptions caused by third party damage)	97			
15	Total	213			
	•				
16	Number of unplanned outage events (interruptions that affect more than 5 ICPs)	Actual			
17	Taranaki	-			
18	Manawatu & Horowhenua	-			
19	Hawke's Bay	-			
20					
21					
22	Number of unplanned outage events caused by third party damage (interruptions that affect more than 5 ICPs)	Actual			
23	Taranaki	-			
24	Manawatu & Horowhenua	-			
25	Hawke's Bay	-			
26					
27					
20	10a(ii): Reliability				
28					
29	Overall reliability	SAIDI	SAIFI	CAIDI	
30	Based on the total number of interruptions	495.68	5.677	87.32	
31	Class I (unplanned interruptions caused by third party damage)	257.64	2.696	95.57	
32	Class B (planned interruptions on the network)	SAIDI	SAIFI	CAIDI	
33	Taranaki	85.69	1.475	58.10	
34	Manawatu & Horowhenua	95.72	0.875	109.44	
35	Hawke's Bay		-		
36				-	
37				-	
38	Class C (unplanned interruptions on the network)	SAIDI	SAIFI	CAIDI	
39	Taranaki	271.24	3.102	87.44	
40	Manawatu & Horowhenua	66.67	1.069	62.36	
41	Hawke's Bay	80.85	0.929	87.00	
42				-	
43				-	

	Company Name	Pc	werco Limited	
	For Year Ended	30 9	September 2019	
	Network / Sub-network Name		Lower	
This GDE info	HEDULE 10a: REPORT ON NETWORK RELIABILITY AND INTERRUPTIONS schedule requires a summary of the key measures of network reliability (interruptions, SAIDI, SAIFI and CAIDI) for the disclosure year is must provide explanatory comment on their network reliability for the disclosure year in Schedule 14 (Explanatory Notes to Templates). The rmation (as defined in section 1.4 of the ID determination), and so is subject to the assurance report required by section 2.8.	e SAIDI and SAIFI infor	mation is part of auc	lited disclosure
sch re	f -			
8 9	10a(i): Interruptions Interruptions by class	Actual		
10 11	Class A (planned interruptions by GTB)	2		
11	Class B (planned interruptions on the network) Class C (unplanned interruptions on the network)	208		
12	Class D (unplanned interruptions by GTB)	- 208		
14	Class I (unplanned interruptions caused by third party damage)	101		
15	Total	448		
16	Number of unplanned outage events (interruptions that affect more than 5 ICPs)	Actual		
17	Wellington	1		
18	Hutt Valley and Porirua	3		
19				
20				
21				
22 23 24 25 26 27	Number of unplanned outage events caused by third party damage (interruptions that affect more than 5 ICPs) Wellington Hutt Valley and Porirua	Actual 2		
28	10a(ii): Reliability			
29	Overall reliability	SAIDI	SAIFI	CAIDI
30	Based on the total number of interruptions	1,346.30 137.19	9.582 2.073	140.51
31	Class I (unplanned interruptions caused by third party damage)	157.19	2.073	66.17
32	Class B (planned interruptions on the network)	SAIDI	SAIFI	CAIDI
33	Wellington	291.41	3.022	96.44
34	Hutt Valley and Porirua	1,108.44	3.454	320.94
35				-
36				-
37				-
38	Class C (unplanned interruptions on the network)	SAIDI	SAIFI	CAIDI
39	Wellington	264.06	2.897	91.15
40	Hutt Valley and Porirua	759.84	5.608	135.49
41				-
42				-
43				-

		Company Name	P	owerco Limited	
		For Year Ended		September 201	
	Network / Su	b-network Name		owerco Limited	
	CHEDULE 10b: REPORT ON NETWORK INTEGRITY AND CONSUMER SERVICE		· · · ·		
	is schedule requires a summary of the key measures of network Integrity (gas escapes, response time to emergencies e		¥225		
Ini	is schedule requires a summary of the key measures of network integrity (gas escapes, response time to emergencies e	ac) for the disclosure	year.		
sch re	ref				
8	10b(i): System Condition and Integrity				
	Number of confirmed public reported gas escapes per system length				
9		Actual			
10		94.238			
11	Hutt Valley and Porirua	109.734			
12		40.978			
13	Manawatu & Horowhenua	63.043			
14	Hawke's Bay	7.800			
	Number of leaks detected by routine survey per system length				
15		Actual			
16		6.108			
17 18		1.789 3.866			
18		4.298			
20		-			
	Number of third party damage events per system length				
21		Actual			
22	Wellington	52.355			
23	Hutt Valley and Porirua	51.885			
24		67.265			
25		80.953			
26	Hawke's Bay	23.399			
27	Number of poor pressure events due to network causes	Actual			
27		Actual			
28	Wellington	-			
	Wellington Hutt Valley and Porirua	Actual - 1.000 2.000			
28 29	Wellington Hutt Valley and Porirua Taranaki	- 1.000			
28 29 30 31 32	Wellington Hutt Valley and Porirua Taranaki Manawatu & Horowhenua Hawke's Bay	- 1.000			
28 29 30 31	Wellington Hutt Valley and Porirua Taranaki Manawatu & Horowhenua Hawke's Bay	- 1.000			
28 29 30 31 32	Wellington Hutt Valley and Porirua Taranaki Manawatu & Horowhenua Hawke's Bay	- 1.000			
28 29 30 31 32 33	Wellington Hutt Valley and Porirua Taranaki Manawatu & Horowhenua Hawke's Bay Number of telephone calls to emergency numbers answered within 30 seconds per				
28 29 30 31 32	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	- 1.000			
28 29 30 31 32 33 33	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 Note: This entry may be excluded for sub-networks.				
28 29 30 31 32 33	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 Note: This entry may be excluded for sub-networks. All regions				
28 29 30 31 32 33 34 34	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 Note: This entry may be excluded for sub-networks. All regions				
28 29 30 31 32 33 34 34 35 36	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 Note: This entry may be excluded for sub-networks. All regions				
28 29 30 31 32 33 34 35 36 37	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 Note: This entry may be excluded for sub-networks. All regions				
28 29 30 31 32 33 34 35 36 37 38	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 Note: This entry may be excluded for sub-networks. All regions				
28 29 30 31 32 33 34 35 36 37 38 39	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 Note: This entry may be excluded for sub-networks. All regions				
28 29 30 31 32 33 34 35 36 37 38 39 40	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 Note: This entry may be excluded for sub-networks. All regions Image: Control - safety of distribution gas				
28 29 30 31 32 33 34 35 36 37 38 39	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 Note: This entry may be excluded for sub-networks. All regions Image: Control - safety of distribution gas				
28 29 30 31 32 33 34 35 36 37 38 39 40	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 Note: This entry may be excluded for sub-networks. All regions Product control—safety of distribution gas Number of non-compliant odour tests				
28 29 30 31 32 33 34 35 36 37 38 39 40	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 Note: This entry may be excluded for sub-networks. All regions Image: Second Seco				
28 29 30 31 32 33 34 35 36 37 38 39 40 41	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 Note: This entry may be excluded for sub-networks. All regions Product control—safety of distribution gas Number of non-compliant odour tests		Proportion of		
28 29 30 31 32 33 34 35 36 37 38 39 40 41	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 Note: This entry may be excluded for sub-networks. All regions Product control—safety of distribution gas Number of non-compliant odour tests		emergencies	Average call response time	Number of
28 29 30 31 32 33 34 35 36 37 38 39 40 41	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 Note: This entry may be excluded for sub-networks. All regions Product control—safety of distribution gas Number of non-compliant odour tests 10b(ii): Consumer Service			Average call response time (hours)	Number of emergencies
28 29 30 31 32 33 34 35 36 37 38 39 40 41 42	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 Note: This entry may be excluded for sub-networks. All regions Understand Manawatu control — safety of distribution gas Number of non-compliant odour tests 10b(ii): Consumer Service Response time to emergencies (RTE)	Actual Actual Proportion of emergencies responded to	emergencies responded to	response time	
28 29 30 31 32 33 34 35 36 37 38 39 40 41 42 43	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 Note: This entry may be excluded for sub-networks. 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	Actual 94.90% Actual 94.90% 94.90% 1 Actual 1 Proportion of emergencies responded to within 1 hour (%) 100.00%	emergencies responded to within 3 hours (%) 100.00%	response time (hours) 0.47 0.41	emergencies 5 9
28 29 30 31 32 33 34 35 36 37 38 39 40 41 42 42 43 44 45 46	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 Note: This entry may be excluded for sub-networks. 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		emergencies responded to within 3 hours (%) 100.00% 100.00%	(hours) 0.47 0.41 0.59	emergencies 5 9 13
28 29 30 31 32 33 34 35 36 37 38 39 40 41 42 42 43 44 45 46 47	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 Note: This entry may be excluded for sub-networks. All regions		emergencies responded to within 3 hours (%) 100.00% 100.00% 100.00%	cesponse time (hours) 0.47 0.41 0.59 0.39	emergencies 5 9 13 9
28 29 30 31 32 33 34 35 36 37 38 39 40 41 42 42 43 44 45 46	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 Note: This entry may be excluded for sub-networks. All regions		emergencies responded to within 3 hours (%) 100.00% 100.00%	(hours) 0.47 0.41 0.59	emergencies 5 9 13
28 29 30 31 32 33 34 35 36 37 38 39 40 41 42 42 43 44 45 46 47	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 Note: This entry may be excluded for sub-networks. All regions Image: 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		emergencies responded to within 3 hours (%) 100.00% 100.00% 100.00%	cesponse time (hours) 0.47 0.41 0.59 0.39	emergencies 5 9 13 9
28 29 30 31 32 33 34 35 36 37 38 39 40 41 42 42 43 44 45 46 47 48	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 Number of telephone calls to emergency numbers answered within 30 seconds per total number of calls Note: This entry may be excluded for sub-networks. All regions Image: Second Se	Actual 94.90% Actual 94.90% Actual 1 Proportion of emergencies responded to within 1 hour (%) 100.00% 84.62% 100.00%	emergencies responded to within 3 hours (%) 100.00% 100.00% 100.00%	cesponse time (hours) 0.47 0.41 0.59 0.39	emergencies 5 9 13 9

		Company Name	F	Powerco Limited	
		For Year Ended		September 20	
	Notwork / Su	b-network Name		Central	
				central	
	CHEDULE 10b: REPORT ON NETWORK INTEGRITY AND CONSUMER SERVICE				
Ini	is schedule requires a summary of the key measures of network Integrity (gas escapes, response time to emergencies e	tc) for the disclosure	year.		
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	40.978			
11	Manawatu & Horowhenua	63.043			
12	Hawke's Bay	7.800			
13					
14					
	Number of leaks detected by routine survey per system length				
15	(leaks/1000 km)	Actual			
16	Taranaki Magauntu & Harauhagua	3.866			
17 18	Manawatu & Horowhenua Hawke's Bay	4.298			
10	nawke's bay	-			
20					
	Number of third party damage events per system length				
21	(events/1000 km)	Actual			
22	Taranaki	67.265			
23	Manawatu & Horowhenua	80.953			
24	Hawke's Bay	23.399			
25					
26					
27	Number of poor pressure events due to network causes	Actual			
28 29	Taranaki Manawatu & Horowhenua	2.000			
30	Hawke's Bay	-			
31					
32					
33					
	Number of telephone calls to emergency numbers answered within 30 seconds per				
34	total number of calls	Actual			
35	Note: This entry may be excluded for sub-networks.				
36					
37					
38					
39					
40	Product control—safety of distribution gas	Actual			
41	Number of non-compliant odour tests	1			
42	10b(ii): Consumer Service				
		Proportion of	Proportion of		
		emergencies	emergencies	Average call	Number
43	Response time to emergencies (RTE)	responded to within 1 hour (%)	responded to within 3 hours (%)	response time (hours)	Number of emergencies
44	Taranaki	84.62%	100.00%	0.59	13
45	Manawatu & Horowhenua	100.00%	100.00%	0.39	9
46	Hawke's Bay	100.00%	100.00%	0.38	2
47					
48					
49	Number of complaints	Actual			
49 50	Number of complaints Number of complaints per average total consumer numbers	0.000263			
50		0.000203			

Company Name Powerco For Year Ended 30 Septen	
For Year Ended 30 Septen	
Network / Sub-network Name	rer
SCHEDULE 10b: REPORT ON NETWORK INTEGRITY AND CONSUMER SERVICE	
This schedule requires a summary of the key measures of network Integrity (gas escapes, response time to emergencies etc) for the disclosure year.	
sch ref	
8 10b(i): System Condition and Integrity	
Number of confirmed public reported are accordened and arctime	
Number of confirmed public reported gas escapes per system length Actual 9 (escapes/1000 km) Actual	
10 Wellington 94.238	
Hutt Valley and Porirua 109.734	
12	
13	
14	
Number of leaks detected by routine survey per system length	
15 (leaks/1000 km) Actual	
16 Wellington 6.108	
17 Hutt Valley and Porirua 1.789	
19	
Number of third party damage events per system length	
21 (events/1000 km) Actual	
22 Wellington 52.355	
23 Hutt Valley and Porirua 51.885	
25	
27 Number of poor pressure events due to network causes Actual	
28 Wellington -	
29 Hutt Valley and Porirua 1.000 30 1.000 1.000	
32	
33	
Number of telephone calls to emergency numbers answered within 30 seconds per	
34 total number of calls Actual	
Note: This entry may be excluded for sub-networks.	
35 All regions	
36	
38 39 39 50 50 50 50 50 50 50 50 50 50 50 50 50	
40 Product control—safety of distribution gas Actual	
41 Number of non-compliant odour tests	
42 10b(ii): Consumer Service	
Proportion of Proportion of emergencies emergencies Avera	e call
responded to	e time Number of
43 Response time to emergencies (RTE) within 1 hour (%) within 3 hours (%) (hou	
	0.47 5 0.41 9
44 Wellington 100.00% 100.00% 45 Hutt Valley and Porizua 100.00% 100.00%	0.41 9
45 Hutt Valley and Porirua 100.00% 100.00%	
45 HuttValley and Porirua 100.00% 100.00% 46	
45 Hutt Valley and Porirua 100.00% 100.00% 46 Image: Constraint of the second se	
45 HuttValley and Porirua 100.00% 100.00% 46	





Schedule 14		Mandatory Explanatory Notes			
	_	For Year Ended	30 September 2019		
	_	Company Name	Powerco Limited		

(Guidance Note: This Microsoft Word version of Schedules 14, 14a and 15 is from the Gas Distribution Information Disclosure Determination 2012 – as amended and consolidated 3 April 2018. Clause references in this template are to that determination)

- This schedule requires GDBs to provide explanatory notes to information provided in accordance with clauses 2.3.1, 2.4.21, 2.4.22 and subclauses 2.5.1(1)(e) and 2.5.2(1)(e).
- This schedule is mandatory—GDBs must provide the explanatory comment specified below, in accordance with clause 2.7.1. Information provided in boxes 1 to 11 of this schedule is part of the audited disclosure information, and so is subject to the assurance requirements specified in section 2.8.
- Schedule 15 (Voluntary Explanatory Notes to Schedules) provides for GDBs to give additional explanation of disclosed information should they elect to do so.
- Return on Investment (Schedule 2)
- In the box below, comment on return on investment as disclosed in Schedule 2. This comment must include information on reclassified items in accordance with subclause 2.7.1(2).

Box 1: Explanatory comment on return on investment

Our disclosed ROI under both a Vanilla and Post tax approach for 2019 is lower than 2018 primarily due to an increase in commissioned assets (83% increase or \$10.6m). This is primarily as the result of the commissioning of a new ERP system.

– Regulatory Profit (Schedule 3)

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

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

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

Box 2: Explanatory comment on regulatory profit

Other regulatory income includes recoveries from consumers for operational activities, the recovery of bad debts, and revenue for shared corporate services provided by the regulated business to related parties.

There have been no reclassified items.

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

If the GDB incurred merger and acquisitions expenditure during the disclosure year, provide the following information in the box below:

information on reclassified items in accordance with subclause 2.7.1(2)

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

Box 3: Explanatory comment on merger and acquisition expenditure No merger and acquisition expenditure has been incurred during the disclosure year.

– Value of the Regulatory Asset Base (Schedule 4)

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

Box 4: Explanatory comment on the value of the regulatory asset based (rolled forward) The Regulatory Asset Base (RAB) has increased by \$13.9m during the 2019 disclosure year. This increase is primarily due to the higher commissioned assets which is largely due to the commissioning of a new ERP system.

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).

The movements are detailed below.

Intermediate pressure main	Medium pressure main	Low pressure					Other network	Non-network	
pipelines	pipelines	main pipelines	Service pipe	Stations	Line valve	Special crossings	assets	assets	Total
(177)	(638)	(17)	(484)	(10)	(46)	(31)	1,403	-	0

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

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

Income not included in regulatory profit / (loss) before tax but taxable

Expenditure or loss in regulatory profit / (loss) before tax but not deductible

Income included in regulatory profit / (loss) before tax but not taxable

Expenditure or loss deductible but not in regulatory profit / (loss) before tax

Box 5: Regulatory tax allowance: permanent differences

Permanent differences are comprised of Customer Contributions income that is included in taxable income, but not regulatory profit, and other non-deductible costs such as some entertainment costs. The total permanent difference is \$0.6m.

A revaluation gain on RAB of \$5.4m included in Regulatory Profit is not taxable.

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

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

Box 6: Tax effect of other temporary differences (current disclosure year) Temporary differences amount to \$0.7m (\$0.2m tax effect) and relate to:

- -\$0.1m depreciation correction from a reduction of depreciation related to prior years.
- \$0.5m related to CIW income that will be recognised as taxable income over a period of 10 years.
- \$0.4m movement in other general provisions

Cost allocation (Schedule 5d)

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

Box 7: Cost allocation

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

Powerco Ltd provides SONS and business support services to related parties. Operational expenditure included in schedule 5d(i) includes the cost of these services provided. Other regulated income in schedule 3(i) includes the equivalent arm's length value of these transactions.

The cost allocators applied in the current disclosure year have been updated for the removal of Avoidable Cost Allocation Methodology (ACAM) as a stand-alone cost allocation methodology from 01 October 2018.

Asset allocation (Schedule 5e)

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

Box 8: Commentary on asset allocation

Some non-network assets have been allocated to the regulatory asset base based on the proxy allocator of fixed asset net book value.

Note: The fixed asset net book value methodology has been updated for the removal of Avoidable Cost Allocation Methodology (ACAM) as a stand-alone cost allocation methodology from 01 October 2018.

The rationale behind the use of the proxy allocator is based on an analysis of the asset types that are not directly attributable and the key driver of each asset type as determined by management. This is based on a combination of managements experience and knowledge, an analysis of the assets and the comparative sizes of the regulated businesses.

Powerco has re-categorised \$1.4m of assets. The details of this reclassification required by clause 2.7.1 (s) are provided in Box 4.

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

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

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

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

Box 9: Explanation of capital expenditure for the disclosure year1.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 Other Network capex	Project costs exceed \$0.1m in the disclosure year
Other reliability, safety and environment	Projects greater than 10% of total costs for that category in the disclosure year or project costs exceeding the materiality threshold of \$0.1m

2. <u>Items reclassified</u>

No items of capital expenditure have been reclassified in the 2019 disclosure period.

– Operational Expenditure for the Disclosure Year (Schedule 6b)

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

Commentary on assets replaced or renewed with asset replacement and renewal operational expenditure, as reported in 6b(i) of Schedule 6b

Information on reclassified items in accordance with subclause 2.7.1(2)

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 10: Explanation of operational expenditure for the disclosure year 1. Asset Replacement and Renewal

Powerco had asset replacement and renewal expenditure of \$2.4m for the 2019 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

No items of operation expenditure have been reclassified in the 2019 disclosure period.

3. Atypical Expenditure

There have been no material items of atypical expenditure.

– Variance between forecast and actual expenditure (Schedule 7)

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

Box 11: Explanatory comment on variance in actual to forecast expenditure

Some movement in expenditure between categories has occurred. The reasons for variances are noted briefly below and commentary is provided for each category showing a forecast to actual variance of greater than 5% (subject to being material in dollar terms).

Network Capital expenditure is below forecast by \$0.4m (-2%).

Reactive and customer-driven activities, comprising the Consumer Connection, System Growth, and Asset Relocation categories, are above forecast by \$1.5m (19%).

2019 has been impacted by higher than forecasted connection numbers and connection rates. In our 2018 AMP, we have reviewed the forecast number of connections and reflected this increase in customer activity. It is important to note, that the impact of the government's net-zero carbon policy on future connection numbers is difficult to assess at this stage and we have chosen to maintain a conservative forecasting approach. Furthermore, reduction of the cost per connection has become an area of focus for the business.

Examples of atypical expenditure in these categories include:

- The relocation of IP pipeline to allow the creation of a new subdivision in Porirua totalling \$350k.
- A record number of new connections, 2,297 against 1,903 forecasted.

Planned activities, comprising the Asset Replacement and Renewal, Quality of Supply, Legislative and Regulatory, and Other Reliability, Safety and Environment expenditure categories, are under forecast by \$1.9m (-24%).

Our focus for planned activities has been on:

- Prioritising the replacement of pipeline prone to leakage, and older, obsolete pressure regulation stations.
- Reducing the number of projects in the Quality of Supply expenditure category to focus on the pressure increase project in Wellington CBD.

Balancing our customer-driven activities and planned projects is required to meet our statutory capital expenditure requirements. Therefore, given the amount of customer-driven activities, in a market with finite field resources, we deferred some lower-risk, non-urgent planned activities and reviewed our delivery strategy.

Operational Expenditure

Overall operational expenditure is below forecast by \$1.1m (-6%).

Network operational expenditure is over forecast by \$0.2m (4%).

Powerco's total non-network operational expenditure in the disclosure period was \$1.3m below the forecast in the 2018 AMP.

Expenditure was less than expected in relation to IS infrastructure, IS operations, and corporate communications.

Based on Powerco's capitalisation policy, the amount of costs capitalised in 2019 was consistent with the forecast and prior year. This was based on the nature and amount of qualifying expenditure in the current year.

– Information relating to revenues and quantities for the disclosure year

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

Box 12: Explanatory comment relating to revenue for the disclosure year Total line charge revenue for DY19 exceeded the target revenue forecast in the pricing methodology for the same period by \$1.27m (or 5.5%).

If price category codes or consumer groups (as applicable) have been changed in a disclosure year, please explain in the box below the effect of this on the allocation of ICPs, quantities and revenues between consumer groups disclosed in Schedule 8.

—

Box 13: Explanatory comment relating to changed price category codes or consumer groups No change in price category codes or consumer groups during the disclosure period.

– Network Reliability for the Disclosure Year (Schedule 10a)

In the box below, comment on network reliability for the disclosure year, as disclosed in Schedule 10a.

Box 14: Commentary on network reliability for the disclosure year

The amount of planned interruptions has remained in line compared to previous disclosures. There were two reported Class A incidents. These were investigated and assessed as being incorrectly recorded by the contractor; training has been arranged to ensure this doesn't happen in the future.

The amount of unplanned interruptions has decreased compared to previous disclosures. Most of the unplanned interruptions are in the Lower Network region, due to the Wellington pressure upgrade project, and the replacement of pre-85 pipe in the Hutt Valley and Porirua regions.

The SAIDI values have decreased from recent disclosures. As discussed in previous information disclosures and previous Asset Management Plans, SAIDI remains a volatile measure which poorly reflects the actual performance of the overall gas distribution network.

Other reliability measures remain in line with expectations.

- Insurance cover
- In the box below, provide details of any insurance cover for the assets used to provide gas pipeline services, including-

The GDB's approaches and practices in regard to the insurance of assets, including the level of insurance;

In respect of any self-insurance, the level of reserves, details of how reserves are managed and invested, and details of any reinsurance.

Box 15: Explanation of insurance cover

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.

Amendments to previously disclosed information

In the box below, provide information about amendments to previously disclosed information disclosed in accordance with clause 2.12.1 in the last 7 years, including:

a description of each error; and

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

Box 16: Disclosure of amendment to previously disclosed information

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

Company Name F

me Powerco Limited

For Year Ended 30 September 2019

- Schedule 15: Voluntary Explanatory Notes

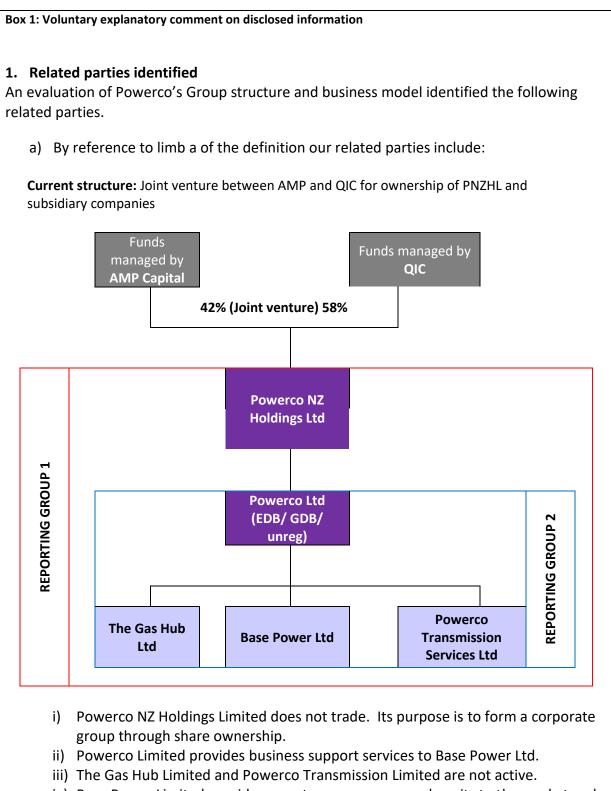
(In this Schedule, clause references are to the Gas Distribution Information Disclosure Determination 2012 – as amended and consolidated 3 April 2018.)

 This schedule enable GDBs to provide, should they wish to: additional explanatory comment to reports prepared in accordance with clauses2.3.1, 2.4.21, 2.4.22, 2.5.1, and 2.5.2.

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

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.

Provide additional explanatory comment in the box below.



- iv) Base Power Limited provides remote area power supply units to the market and Powerco's Electricity Distribution business.
- b) By reference to limb b of the definition our related parties include:
 - i) Gas metering
 - ii) Business development

Powerco Limited provides business support services to these 'parts' of the regulated business.

The Gas Distribution business did not purchase any assets, goods or services from any related party.

2. Valuation of related party transactions

All related party transactions are valued on an equivalent arm's length basis. Powerco Limited has not adopted the consolidation approach. Depending on the type of transaction the valuation method may require the application of a:

- a) market-tested margin; or
- b) market-tested value.

Powerco applies a market-tested margin to the provision of business support services. To ensure Powerco's valuation of related party transactions is based on an objective and independent measure PwC were engaged to report the margin benchmarks observed in the market for relevant corporate services.

- The equivalent arm's length value of services provided to Base Power Limited is \$9k, of which \$1k is allocated to Powerco's Gas Distribution business.
- ii) The equivalent arm's length value of services provided to Gas metering is \$428k, of which \$82k is allocated to Powerco's Gas Distribution business.
- iii) The equivalent arm's length value of services provided to Business development is \$679k, of which \$96k is allocated to Powerco's Gas Distribution business.

5. Auditor's report



Deloitte.

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 Information Disclosure Determination 2012 (consolidated April 2018)

We have conducted a reasonable assurance engagement on whether the information disclosed by Powerco Limited (the 'Company') required to be disclosed in accordance with the Gas Distribution Information Disclosure Determination 2012 (consolidated in April 2018) ('the Determination') for the disclosure year ended 30 September 2019, has been prepared, in all material respects, in accordance with the Information Disclosure Determination.

The information required to be reported by the Company, under the Information Disclosure Determination is in schedules 1 to 4, 5a to 5g, 6a and 6b, 7, the system average interruption duration index ('SAIDI') and system average interruption frequency index ('SAIFI') information disclosed in Schedule 10a(ii) and the explanatory notes in boxes 1 to 12 in Schedule 14 ('the Disclosure Information').

Further, we have conducted a reasonable assurance engagement on whether the Company's basis for valuation of related party transactions ('the Related Party Transaction Information') for the disclosure year ended 30 September 2019, has been prepared, in all material respects, in accordance with clause 2.3.6 of the Determination, and clauses 2.2.11(1)(g) and 2.2.11(5) of the Gas Distribution Services Input Methodologies Determination 2012 (consolidation 2018) ('the Input Methodologies Determination').

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:

- The Company has complied, in all material respects, with the Determination in preparing the Disclosure Information;
- The Related Party Transaction Information complies, in all material respects, with the Determination and the Input Methodologies Determination;
- As far as appears from an examination of them, proper records to enable the complete and accurate compilation of the Disclosure Information and the Related Party Transaction information have been kept by the Company; and
- As far as appears from an examination of the records, the information used in the preparation of the Disclosure Information and the Related Party Transaction 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.

Basis of opinion

We conducted our engagement in accordance with the International Standard on Assurance Engagements (New Zealand) 3000 (Revised): Assurance Engagements Other Than Audits or Reviews of Historical Financial Information and the Standard on Assurance Engagements 3100 (Revised): Compliance Engagements issued by the New Zealand Auditing and Assurance Standards Board. Copies of these standards are available on the External Reporting Board's website.

These standards require that we comply with ethical requirements and plan and perform our assurance engagement to provide reasonable assurance about whether the Disclosure Information has been prepared, in all material respects, with the Determination, and about whether the Related Party Transaction Information has been prepared, in all material respects, with the Determination and the Input Methodologies Determination. Reasonable assurance is a high level of assurance.

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

Key audit matters

Key audit matters are those matters that, in our professional judgement, were of most significance in our audit of the Disclosure Information. These matters were addressed in the context of our audit of the Disclosure Information, and in forming our opinion thereon, and we do not provide a separate opinion on these matters.

Key audit matter

How our audit addressed the key audit matter

Accuracy and Completeness of the number and duration of gas outages

The Information Disclosure Determination defines certain quality measures in relation to the number of interruptions, faults, cause of faults and the average System Average Interruption Duration Index ("SAIDI") and System Average Interruption Frequency Index ("SAIFI") values.

SAIDI and SAIFI is calculated using aggregate faults and interruptions information for the period through prescribed formulas and requirements per Schedule 10a(ii) of the Information Disclosure Determination.

The Company's policies and procedures require all faults to be recorded on manual switching sheets. The switching sheets contain details regarding the class and calculation of each outage. The information included on the switching sheets is then entered into an outage database.

As the Company's process relies on manual controls and processes to ensure that all faults have been entered into the outage database, completeness has been identified as a key audit matter.

Accuracy is a key audit matter because information on the frequency and duration of outages is an important measure about the reliability of the gas supply. We have obtained an understanding of the Company's methods by which gas outages and their duration are recorded

The procedures we undertook to evaluate the accuracy and completeness of the data set included on a sample basis:

- testing the design and implementation of controls over the recording and review of outage data;
- selecting manual switching sheets and tracing key details including the number of customers, number of minutes, the class type, cause and main equipment, to the details recorded in the outage database;
- selecting faults recorded in the outage database and tracing key details including, the number of customers, number of minutes, the class type, cause and main equipment, to the information recorded on the switching sheet;
- selecting a sample of health and safety incidents reported and confirmed that they were correctly included/excluded in outage database. We also selected a sample of switching sheets to confirm that the details has been accurately reported in outage database and reported in the outage records;
- performing media searches whether gas interruptions events recorded in the media were appropriately recorded in the spreadsheet and the outage database; and
- recalculated SAIDI and SAIFI according to the methodology of the Gas Information Disclosure determination.

Key audit matter

How our audit addressed the key audit matter

Classification of expenditure between operating and capital expenditure

Powerco carry out a large number of individual network system projects that can be either operational (network maintenance) or capital (asset replacement or network growth) in nature.

As described in Schedule 6a professional judgement must be exercised about whether costs incurred in bringing assets to working condition for their intended use and should be capitalised as part of the cost of the asset, or whether they should be expensed as network maintenance. In the current year, total capital expenditures were \$18 million compared to network operational expenditure of \$16 million.

Powerco's business operations are regulated and are subject to maximum allowable revenue limits set by the Commerce Commission. These revenue limits are, in part, determined by the value of Powerco's regulatory asset base which is determined by these expenditure classifications.

The classification of expenditure between operating and capital expenditure is a key audit matter due to the level of judgement involved, extent of costs incurred, and importance of the regulatory asset base to future revenue determination. Our procedures included, amongst others:

- assessing whether Powerco's capitalisation policy was in line with NZ IFRS 16 – Property, plant and equipment and NZ IAS 38 – Intangible assets;
- examining the design and implementation of controls relating to the approval of capital expenditure; and
 - testing a sample of costs to invoice or other supporting information to determine whether the expenditure was correctly classified as capital or operating expenditure.

Responsibilities of the Board of Directors for the Disclosure Information and Related Party Transaction Information

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

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, project quality assurance 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.

Our responsibility for the audit of the Disclosure Information and the Related Party Transaction Information

Our responsibility is to express an opinion whether the Disclosure Information and the Related Party Transaction Information has been prepared, in all material respects, in accordance with the Determination and the Input Methodologies Determination. SAE 3100 (Revised) requires that we plan and perform our procedures to obtain reasonable assurance that the Company has complied, in all material aspects, with the Determination and the Input Methodologies Determination for the preparation of the Disclosure Information and the Related Party Transaction Information.

An assurance engagement to report on the Company's preparation of the Disclosure Information and the Related Party Transaction Information in accordance with the Determination and the Input Methodologies Determination involves performing procedures to obtain evidence about the compliance activity and controls implemented to meet the requirements of the Determination and the Input Methodologies Determination. The procedures selected depend on our judgement, including the identification and assessment of risk of material non-compliance with the Determination and the Input Methodologies Determination.

We have performed procedures to obtain evidence about the amounts and disclosures in the Disclosure Information and the basis of valuation in the Related Party Transaction Information. The procedures selected depend on our judgement, including the assessment of the risks of material misstatement of the Disclosure Information and Related Party Transaction Information, whether due to fraud or error or non-compliance with the Information Disclosure Determination or the Input Methodologies Determination. In making those risk assessments, we considered internal control relevant to the Company's preparation of the Disclosure Information and Related Party Transaction Information in order to design procedures that are appropriate in the circumstances, but not for the purpose of expressing an opinion on the effectiveness of the Company's internal control.

Inherent Limitations

Because of the inherent limitations of a reasonable assurance engagement, and the test basis of the procedures performed, it is possible that fraud, error or non-compliance may occur and not be detected.

We did not examine every transaction, adjustment or event underlying the Disclosure Information or the Related Party Transaction Information nor do we guarantee complete accuracy of the Disclosure Information or the Related Party Transaction Information. Also we did not evaluate the security and controls over the electronic publication of the Disclosure Information or the Related Party Transaction Information.

The opinion expressed in this independent assurance report has been formed on the above basis.

Use of Report

This independent assurance report has been prepared solely for the directors of the Company and for the Commerce Commission for the purpose of providing those parties with reasonable assurance about whether the Disclosure Information has been prepared, in all material respects, in accordance with the Determination, and about whether the Related Party Transaction Information has been prepared in all material respects with the Determination and the Input Methodologies Determination. We disclaim any assumption of responsibility for any reliance on this report to any person other than the directors of the Company or the Commerce Commission, or for any other purpose than that for which it was prepared.

Deloitte Limited

Auckland, New Zealand 25 March 2020