

# INFORMATION DISCLOSURE



For the year ending 31 March 2021

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Company Name	Aurora Energy Limited
For Year Ended	31 March 2021

# SCHEDULE 1: ANALYTICAL RATIOS

This schedule calculates expenditure, revenue and service ratios from the information disclosed. The disclosed ratios may vary for reasons that are company specific and, as a result, must be interpreted with care. The Commerce Commission will publish a summary and analysis of information disclosed in accordance with the ID determination. This will include information disclosed in accordance with this and other schedules, and information disclosed under the other requirements of the determination. This information is part of audited disclosure information (as defined in section 1.4 of the ID determination), and so is subject to the assurance report required by section 2.8. sch ref

7	1(i): Expenditure metrics	Expenditure per GWh energy delivered to ICPs (\$/GWh)	Expenditure per average no. of ICPs (\$/ICP)	Experiance per MW maximum coincident system demand (\$/MW)	Expenditure per km circuit length (\$/km)	expenditure per MVA of capacity from EDB- owned distribution transformers (\$/MVA)
9	Operational expenditure	35,432	502	154,917	7,507	49,676
10	Network	14,924	212	65,250	3,162	20,923
11	Non-network	20,508	291	89,666	4,345	28,752
12						
13	Expenditure on assets	50,671	718	221,544	10,736	71,040
14	Network	48,843	692	213,551	10,348	68,478
15	Non-network	1,828	26	7,993	387	2,563
16						
17	1(ii): Revenue metrics	Revenue per GWh energy delivered to ICPs (\$/GWh)	Revenue per average no. of ICPs (\$/ICP)			
19	Total consumer line charge revenue	75,388	1,069			
20	Standard consumer line charge revenue	75,871	1,065			
21	Non-standard consumer line charge revenue	18,532	98,995			
22						
23 24	1(iii): Service intensity measures					
25	Demand density	49	Maximum coinci	dent system deman	d per km of circuit l	ength (for supply) (kW/km)
26	Volume density	212	Total energy del	vered to ICPs per kn	n of circuit length (f	or supply) (MWh/km)
27	Connection point density	15	Average number	of ICPs per km of ci	rcuit length (for sup	ply) (ICPs/km)
28	Energy intensity	14,174	Total energy del	vered to ICPs per av	erage number of IC	Ps (kWh/ICP)
29						
30	1(iv): Composition of regulatory income					
31		-	(\$000)	% of revenue		
32	Operational expenditure		46,252	46.95%		
33	Pass-through and recoverable costs excluding financial incent	ives and wash-ups	29,748	30.20%		
34	Total depreciation		20,358	20.67%		
35	Total revaluations		7,402	7.51%		
36	Regulatory tax allowance		715	0.73%		
37	Regulatory profit/(loss) including financial incentives and was	h-ups	8,837	8.97%		
38	Total regulatory income		98,508			
39 40 41	1(v): Reliability					
42	Interruption rate	[	23.13	Interruptions per	100 circuit km	

	Company Name		ra Energy Limi	ted
	For Year Ended	3	1 March 2021	
This	CHEDULE 2: REPORT ON RETURN ON INVESTMENT s schedule requires information on the Return on Investment (ROI) for the EDB relative to the Commerce Commission's estim ulate their ROI based on a monthly basis if required by clause 2.3.3 of the ID Determination or if they elect to. If an EDB mal			
EDB	st be provided in 2(iii). Is must provide explanatory comment on their ROI in Schedule 14 (Mandatory Explanatory Notes). : information is part of audited disclosure information (as defined in section 1.4 of the ID determination), and so is subject to	the assurance repor	t required by secti	on 2.8
sch ref		the assurance repor	t required by secti	011 2.0.
7 8	2(i): Return on Investment	CY-2 31 Mar 19	CY-1 31 Mar 20	Current Year CY 31 Mar 21
9	ROI – comparable to a post tax WACC	%	%	%
10	Reflecting all revenue earned	2.05%	2.23%	1.46%
11	Excluding revenue earned from financial incentives	2.12%	2.32%	4.30%
12 13	Excluding revenue earned from financial incentives and wash-ups	2.24%	2.44%	4.30%
14	Mid-point estimate of post tax WACC	4.75%	4.27%	3.72%
15	25th percentile estimate	4.07%	3.59%	3.04%
16	75th percentile estimate	5.43%	4.95%	4.40%
17 18				
19	ROI – comparable to a vanilla WACC			
20	Reflecting all revenue earned	2.55%	2.65%	1.79%
21	Excluding revenue earned from financial incentives	2.63%	2.74%	4.63%
22	Excluding revenue earned from financial incentives and wash-ups	2.75%	2.86%	4.63%
23 24	WACC rate used to set regulatory price path	7.19%	7.19%	4.57%
25				
26	Mid-point estimate of vanilla WACC	5.26%	4.69%	4.05%
27	25th percentile estimate	4.58%	4.01%	3.37%
28	75th percentile estimate	5.94%	5.37%	4.73%
29				
30	2(ii): Information Supporting the ROI		(\$000)	
31	- · · · · · · · · · · · · · · · · · · ·			
32 33	Total opening RAB value plus Opening deferred tax	489,854 (24,294)		
34	Opening RIV	(21)231)	465,560	
35		<u> </u>		
36	Line charge revenue		98,409	
37		76 000		
38 39	Expenses cash outflow	76,000 61,073		
39 40	less Asset disposals	830		
41	add Tax payments	(2,138)		
42	less Other regulated income	99		
43	Mid-year net cash outflows		134,006	
44 45	Term credit spread differential allowance	F	_	
45 46	Term credit spread differential allowance	L	_	
47	Total closing RAB value	539,722		
48	less Adjustment resulting from asset allocation	(0)		
49	less Lost and found assets adjustment	2,581		
50	plus Closing deferred tax	(27,147)		
51 52	Closing RIV		509,994	
52 53	ROI – comparable to a vanilla WACC			1.79%
54				
55	Leverage (%)			42%
56	Cost of debt assumption (%)			2.82%
57 58	Corporate tax rate (%)			28%
58 59	ROI – comparable to a post tax WACC			1.46%
60				1.4070

				Company Name	Au	rora Energy Limi	ited
				For Year Ended		31 March 2021	
SC	HEDULE 2: REPORT ON RETURN	ON INVESTME	NT				
This calo mu EDE	s schedule requires information on the Return on In sulate their ROI based on a monthly basis if required st be provided in 2(iii). As must provide explanatory comment on their ROI s information is part of audited disclosure informati	vestment (ROI) for the ED d by clause 2.3.3 of the ID in Schedule 14 (Mandator	B relative to the Comme Determination or if they y Explanatory Notes).	elect to. If an EDB m	akes this election, i	information supportir	ng this calculation
sch rej 61	f 2(iii): Information Supporting the	e Monthly ROI					
62							
63 64	Opening RIV						N/A
65							
		Line charge	Expenses cash	Assets	Asset	Other regulated	Monthly net cash
66	A1	revenue	outflow	commissioned	disposals	income	outflows
67 68	April May						-
69	June						-
70	July						-
71	August						-
72	September						_
73 74	October						-
74 75	November December						
76	January						_
77	February						-
78	March						-
79	Total	-	-	-	-	-	-
80 81	Tax payments						N/A
82	Torm credit arread differential aller						NI/A
83 84	Term credit spread differential allow	wance					N/A
85 86	Closing RIV						N/A
86 87							
88	Monthly ROI – comparable to a vanilla	WACC					N/A
89 90	Monthly ROI – comparable to a post ta	ax WACC					N/A
91 92	2(iv): Year-End ROI Rates for Con	nparison Purposes	5				
93 94 95	Year-end ROI – comparable to a vanilla	a WACC					5.63%
96 97	Year-end ROI – comparable to a post t	ax WACC				l	5.30%
98 99	* these year-end ROI values are compar	rable to the ROI reported	in pre 2012 disclosures b	y EDBs and do not rep	present the Commis	ssion's current view o	n ROI.
100 101	2(v): Financial Incentives and Wa	ash-Ups					
102	Net recoverable costs allowed under	incremental rolling incen	tive scheme			(18,470)	
103	Purchased assets – avoided transmis					-	
104	Energy efficiency and demand incent	tive allowance				1044	
105 106	Quality incentive adjustment Other financial incentives					(614)	
107	Financial incentives						(19,084)
108 109	Impact of financial incentives on ROI						-2.84%
110							
111	Input methodology claw-back					-	
112 113	CPP application recoverable costs Catastrophic event allowance					-	
115	Catastrophic event anowance Capex wash-up adjustment					_	
114	Transmission asset wash-up adjustm	ent				-	
116	2013–15 NPV wash-up allowance					-	
117	Reconsideration event allowance					-	
118	Other wash-ups					-	
119 120	Wash-up costs						-
121	Impact of wash-up costs on ROI						-

	Company Name Auro	ra Energy Limited
	For Year Ended 3	1 March 2021
SC	CHEDULE 3: REPORT ON REGULATORY PROFIT	
	is schedule requires information on the calculation of regulatory profit for the EDB for the disclosure year. All EDBs must complete all sections a	nd provide explanatory comment on
thei	ir regulatory profit in Schedule 14 (Mandatory Explanatory Notes).	
This	is information is part of audited disclosure information (as defined in section 1.4 of the ID determination), and so is subject to the assurance reg	oort required by section 2.8.
ch ref	f	
7	3(i): Regulatory Profit	(\$000)
8	Income	
9	Line charge revenue	98,409
10	plus Gains / (losses) on asset disposals	(830)
11	plus Other regulated income (other than gains / (losses) on asset disposals)	929
12		
13	Total regulatory income	98,508
14	Expenses	
15	less Operational expenditure	46,252
16		
17	less Pass-through and recoverable costs excluding financial incentives and wash-ups	29,748
18		
19	Operating surplus / (deficit)	22,508
20	the state of the sector of the	20.250
21	less Total depreciation	20,358
22 23	plus Total revaluations	7,402
23 24	plus Total revaluations	7,402
25	Regulatory profit / (loss) before tax	9,552
26		
27	less Term credit spread differential allowance	_
28		
29	less Regulatory tax allowance	715
30		
31	Regulatory profit/(loss) including financial incentives and wash-ups	8,837
32		
33	3(ii): Pass-through and Recoverable Costs excluding Financial Incentives and Wash-Ups	(\$000)
34	Pass through costs	
35	Rates	937
36	Commerce Act levies	157
37	Industry levies	340
38	CPP specified pass through costs	-
39	Recoverable costs excluding financial incentives and wash-ups	
40	Electricity lines service charge payable to Transpower	21,504
41	Transpower new investment contract charges	462
42	System operator services	-
43	Distributed generation allowance	6,309
44 45	Extended reserves allowance	-
45 46	Other recoverable costs excluding financial incentives and wash-ups	39
46	Pass-through and recoverable costs excluding financial incentives and wash-ups	29,748

		Company Name	Aurora Energy Limited
			31 March 2021
		For Year Ended	SI March 2021
		ORT ON REGULATORY PROFIT	
		ation on the calculation of regulatory profit for the EDB for the disclosure year. All EDBs must com	plete all sections and provide explanatory comment or
		dule 14 (Mandatory Explanatory Notes).	the second se
	iformation is part of au	dited disclosure information (as defined in section 1.4 of the ID determination), and so is subject to	o the assurance report required by section 2.8.
ref			
3	3(iii): Increme	ntal Rolling Incentive Scheme	(\$000)
9			CY-1 CY
2			31 Mar 20 31 Mar 21
1		ntrollable opex	
2	Actual cont	rollable opex	
3			
4	Incrementa	I change in year	
5			Previous years'
			Previous years incremental
			incremental change adjusted
5			change for inflation
7	CY-5	31 Mar 16	
8	CY-4	31 Mar 17	
9	CY-3	31 Mar 18	
0	CY-2	31 Mar 19	
1	CY-1	31 Mar 20	
2	Net increme	tal rolling incentive scheme	-
3			
4	Net recovera	ble costs allowed under incremental rolling incentive scheme	-
5	3(iv): Merger a	nd Acquisition Expenditure	
2			(\$000)
5	Merger and	acquisition expenditure	(+000)
7	merger une		
	Provide cor	nmentary on the benefits of merger and acquisition expenditure to the electricity distribution busin	ess, including required disclosures in accordance with
8		in Schedule 14 (Mandatory Explanatory Notes)	
9	3(v): Other Disc	iosures	
2	o. 16 i		(\$000)
1	Self-insurar	ice allowance	

				ompany Name For Year Ended		ora Energy Limit 1 March 2021	ed
This EDB	CHEDULE 4: REPORT ON VALUE OF THE REGULATORY ASSET BASE (ROLLED FORW) is schedule requires information on the calculation of the Regulatory Asset Base (RAB) value to the end of this disclosure year. This is must provide explanatory comment on the value of their RAB in Schedule 14 (Mandatory Explanatory Notes). This information is uired by section 2.8.	nforms the ROI calculation in Sched	ule 2.	_			rance report
sch ref 7 8 9 10	4(i): Regulatory Asset Base Value (Rolled Forward)	for year ended	RAB 31 Mar 17 (\$000) 341.025	RAB 31 Mar 18 (\$000) 354,222	RAB 31 Mar 19 (\$000) 394,155	RAB 31 Mar 20 (\$000) 447,072	RAB 31 Mar 21 (\$000) 489,854
10 11 12 13	less Total depreciation		12,762	13,710	15,058	16,809	20,358
14 15	plus Total revaluations		7,365	3,878	5,824	11,277	7,402
16 17 18	plus Assets commissioned less Asset disposals		18,594 -	50,335 570	63,004 853	49,227 912	61,073 830
19 20 21	plus Lost and found assets adjustment		-	-	-	-	2,581
22 23	plus Adjustment resulting from asset allocation		-	-	-	-	(0)
24 25	Total closing RAB value		354,222	394,155	447,072	489,854	539,722
26 27 28	4(ii): Unallocated Regulatory Asset Base			Unallocate (\$000)	(\$000)	RAB (\$000)	(\$000)
29 30 31	Total opening RAB value less Total depreciation				489,897 20,367		489,854 20,358
32 33 34	plus Total revaluations plus			Ľ	7,403	Ľ	7,402
35 36 37	Assets commissioned (other than below) Assets acquired from a regulated supplier Assets acquired from a related party		F	27,218 - 33,855	F	27,218 - 33,855	
38 39	Assets commissioned less				61,073		61,073
40 41 42	Asset disposals (other than below) Asset disposals to a regulated supplier Asset disposals to a related party		E	830 - -		830 - -	
43 44 45	Asset disposals plus Lost and found assets adjustment				830 3,418		830 2,581
46 47 48	plus Adjustment resulting from asset allocation					Ľ	(0)
49	Total closing RAB value * The 'unallocated RAB' is the total value of those assets used wholly or partially to provide electricity distribution services with services. The RAB value represents the value of these assets after applying this cost allocation. Neither value includes works u		the allocation of costs	to services provided	540,594 by the supplier that	t are not electricity o	539,722 listribution

		Company Name	Aur	ora Energy Limi	ted
		For Year Ended		31 March 2021	
	SCHEDULE 4: REPORT ON VALUE OF THE REGULATORY ASSET BASE (ROLLED FORWARD)				
	This schedule requires information on the calculation of the Regulatory Asset Base (RAB) value to the end of this disclosure year. This informs the ROI calculation in Schedule 2.				
	Imp sciedule requires information on the calculation or the Regulatory Asset base (RAB) value to the end or this disclosure year. This information on the value Activation in Sciedule 2. DBS must provide explanatory comment on the value of their RAB in Schedule 14 (Mandatory Explanatory Notes). This information is part of adulted disclosure information (as defined	in section 1.4 of the ID determ	nination) and so	is subject to the ass	urance report
		in section 2.1 of the ib determ	initiation), and se	is subject to the uss	
sch i					
53	1				
52	2 4(iii): Calculation of Revaluation Rate and Revaluation of Assets				
53					
54	4 CPI <sub>4</sub>			ſ	1,068
55	5 CP14 <sup>-4</sup>				1,052
56	6 Revaluation rate (%)				1.52%
52	7				
58	8	Unallocated F		RA	
59		(\$000)	(\$000)	(\$000)	(\$000)
60		489,897		489,854	
6		3,172		3,172	
62		486,725	1	486,682	
64		400,725	7,403	400,002	7,402
65			7,403	L	7,402
0.					
60	ε 4(iv): Roll Forward of Works Under Construction				
		Unallocated wor			
67	7	constructio		Allocated works u	nder construction
68		construction	51.412	Anocated Works d	51,411
69		58,412		58,412	
70		61,073		61,073	
7	1 plus Adjustment resulting from asset allocation			-	
72	2 Works under construction - current disclosure year		48,751		48,750
73	3				
74	4 Highest rate of capitalised finance applied				3.50%
75	5				

								Company Name		ora Energy Lim	ited
								For Year Ended	:	31 March 2021	
HEDULE 4: REPORT ON VA schedule requires information on the calcumust provide explanatory comment on the ired by section 2.8.	lation of the Regulatory Ass	et Base (RAB) va	lue to the end of th	• nis disclosure year. Tl	nis informs the ROI o			tion 1.4 of the ID de	termination), and so	is subject to the ass	urance report
4(v): Regulatory Depreciation	n										
								Unallocat (\$000)	ed KAB * (\$000)	R/ (\$000)	(\$000)
Depreciation - standard								18,589	(\$000)	18,589	(\$000)
Depreciation - no standard	life assets							1,778		1,769	
Depreciation - modified life	assets							-		-	
	epreciation in accordance w	th CPP						-		-	
Total depreciation									20,367		20
4(vi): Disclosure of Changes	to Depreciation Pro	iles						(\$000 u	Inless otherwise spe	cified)	
									Depreciation	Closing RAB value under 'non-	Closing RAB
									charge for the	standard'	under 'stand
Asset or assets with chang	es to depreciation*				Reaso	n for non-standard	depreciation (text of	entry)	period (RAB)	depreciation	depreciatio
* include additional rows ip	needed										
4(vii): Disclosure by Asset C	tegory					(\$000 unless oth	erwise specified)				
4(vii): Disclosure by Asset C	ategory						Distribution				
4(vii): Disclosure by Asset C								Distribution	Other network	Non-network	
4(vii): Disclosure by Asset C			Subtransmission		Distribution and	Distribution and	substations and	1. N. A			
		lines	cables	Zone substations	LV lines	LV cables	transformers	switchgear	assets	assets	Total
Total opening RAB value		lines 16,633	cables 15,704	83,367	LV lines 128,559	LV cables 139,270	transformers 56,960	24,518	18,415	6,429	489
Total opening RAB value less Total depreciation		lines 16,633 682	cables 15,704 535	83,367 3,317	LV lines 128,559 4,315	LV cables 139,270 4,546	transformers 56,960 2,143		18,415 1,724	6,429 1,769	489 20
Total opening RAB value less Total depreciation plus Total revaluations		lines 16,633 682 245	cables 15,704	83,367	LV lines 128,559 4,315 1,944	LV cables 139,270 4,546 2,118	transformers 56,960 2,143 866	24,518 1,327 372	18,415	6,429	489 20 7
Total opening RAB value less Total depreciation plus Total revaluations		lines 16,633 682	<b>cables</b> 15,704 535 239	83,367 3,317 1,245	LV lines 128,559 4,315	LV cables 139,270 4,546	transformers 56,960 2,143		18,415 1,724 278	6,429 1,769 95	489 20 7 61
Total opening RAB value less Total depreciation plus Total revaluations plus Assets commissioned	Sut	lines 16,633 682 245 2,131	cables 15,704 535 239 5,991	83,367 3,317 1,245 11,511	LV lines 128,559 4,315 1,944 19,746	LV cables 139,270 4,546 2,118 7,222	transformers 56,960 2,143 866 8,115	24,518 1,327 372 3,790	18,415 1,724 278 934	6,429 1,769 95 1,633	489 20 7 61
Total opening RAB value           less         Total depreciation           plus         Total revaluations           plus         Assets commissioned           less         Asset disposals           plus         Lost and found assets adjus           plus         Adjustment resulting from	Sub trient	lines           16,633           682           245           2,131           -           -           -           -           -	cables           15,704           535           239           5,991           -           -           -           -           -           -           -           -           -           -           -	83,367 3,317 1,245 11,511 - - -	LV lines 128,559 4,315 1,944 19,746 757 – –	LV cables 139,270 4,546 2,118 7,222 3 - -	transformers 56,960 2,143 866 8,115 - - - -	24,518 1,327 372 3,790 70 	18,415 1,724 278 934 - 2,581 -	6,429 1,769 95 1,633 - - -	489 20 7 61 2
Total opening RAB value           less         Total depreciation           plus         Total revaluations           plus         Assets commissioned           less         Asset disposals           plus         Lost and found assets adjus           plus         Asset category transfers	Sub trient	Lines           16,633           682           245           2,131	cables 15,704 535 239 5,991 - - - - - - - - - -	83,367 3,317 1,245 11,511 - - - -	LV lines 128,559 4,315 1,944 19,746 757 - - - - -	LV cables 139,270 4,546 2,118 7,222 3 - - - - - -	transformers 56,960 2,143 866 8,115 - - - - - - - - - - -	24,518 1,327 372 3,790 70 - - -	18,415 1,724 278 934 - 2,581 - -	6,429 1,769 95 1,633 - - - -	489 20 7 61 2
Total opening RAB value           less         Total depreciation           plus         Total revaluations           plus         Assets commissioned           less         Asset disposals           plus         Lost and found assets adjus           plus         Adjustment resulting from	Sub trient	lines           16,633           682           245           2,131           -           -           -           -           -	cables           15,704           535           239           5,991           -           -           -           -           -           -           -           -           -           -           -	83,367 3,317 1,245 11,511 - - -	LV lines 128,559 4,315 1,944 19,746 757 – –	LV cables 139,270 4,546 2,118 7,222 3 - -	transformers 56,960 2,143 866 8,115 - - - -	24,518 1,327 372 3,790 70 	18,415 1,724 278 934 - 2,581 -	6,429 1,769 95 1,633 - - -	489 20 7 61 2
Total opening RAB value           less         Total depreciation           plus         Total revaluations           plus         Assets commissioned           less         Asset disposals           plus         Lost and found assets adjus           plus         Adjustment resulting from           plus         Asset category transfers           Total closing RAB value	Sub trient	Lines           16,633           682           245           2,131	cables 15,704 535 239 5,991 - - - - - - - - - -	83,367 3,317 1,245 11,511 - - - -	LV lines 128,559 4,315 1,944 19,746 757 - - - - -	LV cables 139,270 4,546 2,118 7,222 3 - - - - - -	transformers 56,960 2,143 866 8,115 - - - - - - - - - - -	24,518 1,327 372 3,790 70 - - -	18,415 1,724 278 934 - 2,581 - -	6,429 1,769 95 1,633 - - - -	489 20 7 61 2
Total opening RAB value           less         Total depreciation           plus         Total revaluations           plus         Assets commissioned           less         Asset disposals           plus         Lost and found assets adjus           plus         Asset category transfers	Sut tment asset allocation	Lines           16,633           682           245           2,131	cables 15,704 535 239 5,991 - - - - - - - - - -	83,367 3,317 1,245 11,511 - - - -	LV lines 128,559 4,315 1,944 19,746 757 - - - - -	LV cables 139,270 4,546 2,118 7,222 3 - - - - -	transformers 56,960 2,143 866 8,115 - - - - - - - - - - -	24,518 1,327 372 3,790 70 - - -	18,415 1,724 278 934 - 2,581 - -	6,429 1,769 95 1,633 - - - -	(years)

	Company Name	Aurora Energy Limited
	For Year Ended	31 March 2021
HEDULE !	a: REPORT ON REGULATORY TAX ALLOWANCE	
s schedule requ	ires information on the calculation of the regulatory tax allowance. This information is used to calculate regula	tory profit/loss in Schedule 3 (regulatory
fit). EDBs must	provide explanatory commentary on the information disclosed in this schedule, in Schedule 14 (Mandatory Exp	planatory Notes).
s information is	part of audited disclosure information (as defined in section 1.4 of the ID determination), and so is subject to t	he assurance report required by section
f		
<b>E</b> (1) <b>B</b>	a la como alla const	
	gulatory Tax Allowance	(\$000)
F	tegulatory profit / (loss) before tax	9,55
		·
plus	Income not included in regulatory profit / (loss) before tax but taxable	- *
	Expenditure or loss in regulatory profit / (loss) before tax but not deductible	
	Amortisation of initial differences in asset values Amortisation of revaluations	4,968
		2,103
		7,08
less	Total revaluations	7,402
1000	Income included in regulatory profit / (loss) before tax but not taxable	_ *
	Discretionary discounts and customer rebates	
	Expenditure or loss deductible but not in regulatory profit / (loss) before tax	1,243 *
	Notional deductible interest	5,438
		14,08
		<u></u>
F	tegulatory taxable income	2,55
less	Utilised tax losses	_
	Regulatory net taxable income	2,55
	Corporate tax rate (%)	28%
ŀ	tegulatory tax allowance	71
* \4/orti	nee to be averiated in Calculus 14	
* work	ngs to be provided in Schedule 14	
5a(ii): D	isclosure of Permanent Differences	
54(). 5	In Schedule 14, Box 5, provide descriptions and workings of items recorded in the asterisked categories in Sci	hedule 5a(i)
5a(iii): /	mortisation of Initial Difference in Asset Values	(\$000)
	Opening unamortised initial differences in asset values	84,014
less	Amortisation of initial differences in asset values	4,968
plus	Adjustment for unamortised initial differences in assets acquired	-
less	Adjustment for unamortised initial differences in assets disposed	193
	Closing unamortised initial differences in asset values	78,85
	Opening weighted average remaining useful life of relevant assets (years)	17

		Company Name	Aurora Energy Limited 31 March 2021	
64		For Year Ended	51 WarCh 2021	
Thi pro Thi	is schedule req ofit). EDBs mus is information	Da: REPORT ON REGULATORY TAX ALLOWAINCE uires information on the calculation of the regulatory tax allowance. This information is used to calculate regula t provide explanatory commentary on the information disclosed in this schedule, in Schedule 14 (Mandatory Ex s part of audited disclosure information (as defined in section 1.4 of the ID determination), and so is subject to a	planatory Notes).	
sch re	í	Amount institute of Developetions	(4000)	
44 45	5a(IV):	Amortisation of Revaluations	(\$000)	
46		Opening sum of RAB values without revaluations	443,376	
47				
48		Adjusted depreciation	18,255	
49		Total depreciation	20,358	102
50 51		Amortisation of revaluations	2,1	103
52	5a(v): I	Reconciliation of Tax Losses	(\$000)	
53				
54 55	plus	Opening tax losses Current period tax losses		
56	less	Utilised tax losses		
57		Closing tax losses		-
58 59	5a(vi):	Calculation of Deferred Tax Balance	(\$000)	
60 61		Opening deferred tax	(24,294)	
62 63	plus	Tax effect of adjusted depreciation	5,111	
64 65	less	Tax effect of tax depreciation	7,697	
66 67	plus	Tax effect of other temporary differences*	1,239	
68 69	less	Tax effect of amortisation of initial differences in asset values	1,391	
70 71	plus	Deferred tax balance relating to assets acquired in the disclosure year	(190)	
72 73	less	Deferred tax balance relating to assets disposed in the disclosure year	(74)	
74 75	plus	Deferred tax cost allocation adjustment	0	
76		Closing deferred tax	(27,5	147)
77				
78		Disclosure of Temporary Differences In Schedule 14, Box 6, provide descriptions and workings of items recorded in the asterisked category in Sche	dule 5a(vi) (Tax effect of other tempora	ry
79 80		differences).		
81 82		Regulatory Tax Asset Base Roll-Forward	(\$000)	
83		Opening sum of regulatory tax asset values	291,105	
84	less	Tax depreciation	27,488	
85	plus	Regulatory tax asset value of assets commissioned	66,509	
86	less	Regulatory tax asset value of asset disposals	566	
87	plus	Lost and found assets adjustment	1,903	
88 89	plus plus	Adjustment resulting from asset allocation Other adjustments to the RAB tax value	-	
90		Closing sum of regulatory tax asset values	- 331,4	463

		Company Name	Aurora Energy Limited	
		For Year Ended	31 March 2021	
SCHE	DULE 5b: REPORT ON RELATED P	ARTY TRANSACTIONS		
	dule provides information on the valuation of related		.6 of the ID determination.	
	rmation is part of audited disclosure information (as de	• •		red by clause 2.8.
ref				
5b	o(i): Summary—Related Party Transac	tions	(\$000)	(\$000)
	Total regulatory income			-
	Market value of asset disposals			-
				-
	Service interruptions and emergencies		3,037	
	Vegetation management		5,570	
	Routine and corrective maintenance and	inspection	8,996	-
	Asset replacement and renewal (opex)			17.6
	Network opex		520	17,6
	Business support System operations and network support		526	-
	Operational expenditure			18,2
	Consumer connection		6,477	10,2
	System growth		3,130	
	Asset replacement and renewal (capex)		18,681	
	Asset relocations		1,127	
	Quality of supply		433	
	Legislative and regulatory		33	
	Other reliability, safety and environment		668	
	Expenditure on non-network assets			6
	Expenditure on assets			31,2
	Cost of financing			-
	Value of capital contributions Value of vested assets			3,7
	Capital Expenditure			27,4
	Total expenditure			45,7
				10,7
	Other related party transactions			7
5b	o(iii): Total Opex and Capex Related Pa	arty Transactions		
				Total value o
		Nature of opex or capex service		transactions
	Name of related party	provided		(\$000)
	Delta Utility Services Ltd	Service interruptions and emergencies		3,037
	Delta Utility Services Ltd Delta Utility Services Ltd	Vegetation management Routine and corrective maintenance and in:	spection	5,570 8,996
	Delta Utility Services Ltd	System operations and network support	эресноп	8,996
	Delta Utility Services Ltd	Business support		437
	Dunedin City Holdings Ltd	Business support		50
	Dunedin City Council	Business support		39
	Delta Utility Services Ltd	Consumer connection		6,477
	Delta Utility Services Ltd	System growth		3,130
	Delta Utility Services Ltd	Asset replacement and renewal (capex)		18,681
	Delta Utility Services Ltd	Asset relocations		1,127
	Delta Utility Services Ltd	Quality of supply		433
		Legislative and regulatory		33
	Delta Utility Services Ltd			
	Delta Utility Services Ltd	Other reliability, safety and environment		668
	· · · · · · · · · · · · · · · · · · ·	Expenditure on non-network assets		668 657 49,451

									Company Name	Aurora Eno	mu Limited
										Aurora Ene 31 Marc	
									For Year Ended	51 Iviaro	2021
	SCI	HEDULE	<b>5c: REPORT ON TERM CREDIT SPREAD DIFFEREN</b>	<b>NTIAL ALLOV</b>	VANCE						
	This	schedule is c	only to be completed if, as at the date of the most recently published financial	statements, the we	ighted average origi	nal tenor of the deb	t portfolio (both qualify	ing debt and non-q	ualifying debt) is grea	ater than five years.	
	This	information	is part of audited disclosure information (as defined in section 1.4 of the ID de	termination), and s	o is subject to the as	surance report requ	ired by section 2.8.				
s	ch ref										
	7										
	8	5c(i): Q	ualifying Debt (may be Commission only)								
	9										
									Book value at		
						Original tenor (in		Book value at	date of financial	Term Credit	Debt issue cost
	10		Issuing party	Issue date	Pricing date	years)	Coupon rate (%)	issue date (NZD)	statements (NZD)	Spread Difference	readjustment
	11										
	12										
	13										
	14										
	15										
	16 17		* include additional rows if needed						-	-	-
	18	5c(ii): A	Attribution of Term Credit Spread Differential								
	19										
	20	Gr	oss term credit spread differential			-					
	21										
	22		Total book value of interest bearing debt								
	23		Leverage		42%						
	24		Average opening and closing RAB values								
	25	At	tribution Rate (%)			-					
	26	_									
	27	Те	rm credit spread differential allowance			-					

Г

			г			
			Company Name		rora Energy Lim	
			For Year Ended		31 March 2021	
S	CHEDULE 5d: REPORT ON COST ALLOCATIONS					
T	is schedule provides information on the allocation of operational costs. EDBs must provide explanatory comment on their cost allocation	in Schedule 14 (Manda	atory Explanatory Note	es), including on the	impact of any reclas	sifications.
	is information is part of audited disclosure information (as defined in section 1.4 of the ID determination), and so is subject to the assura					
sch r						
7	5d(i): Operating Cost Allocations					
8	Sully, Operating Cost Anotations		Value alloca	ted (\$200e)		
0			Electricity	Non-electricity		
		Arm's length	distribution	distribution		OVABAA allocation
9		deduction	services	services	Total	increase (\$000s)
10	Service interruptions and emergencies					
11	Directly attributable		3,688			
12	Not directly attributable		-		-	
13	Total attributable to regulated service	2	3,688			
14	Vegetation management					
15	Directly attributable		5,570			
16	Not directly attributable		-		-	
17	Total attributable to regulated service		5,570			
18	Routine and corrective maintenance and inspection					
19	Directly attributable		10,224			
20	Not directly attributable		-		-	
21	Total attributable to regulated service		10,224			
22	Asset replacement and renewal					
23	Directly attributable		-			
24	Not directly attributable		-		-	
25	Total attributable to regulated service		-			
26	System operations and network support					
27	Directly attributable		13,779			
28	Not directly attributable		-		-	
29	Total attributable to regulated service		13,779			
30	Business support					
31	Directly attributable	·	-			
32	Not directly attributable		12,992	291	13,283	
33	Total attributable to regulated service		12,992			
34 35	Operating costs directly attributable		33,260			
36	Operating costs on etcly attributable	-	12,992	291	13,283	- 1
37	Operational expenditure		46,252	251	13,283	
38			40,232			
38						

		Company Name	Au	Irora Energy Limited	
		For Year Ended		31 March 2021	
S	HEDULE 5d: REPORT ON COST ALLO				
Thi	s schedule provides information on the allocation of operation	al costs. EDBs must provide explanatory comment on their cost allocation in Schedule 14 (Mandatory Explanatory Notes) ned in section 1.4 of the ID determination), and so is subject to the assurance report required by section 2.8.	, including on the	e impact of any reclassificatio	ons.
sch re					
39	5d(ii): Other Cost Allocations				
40	Pass through and recoverable costs	(\$000)			
41	Pass through costs				
42	Directly attributable	1,434			
43	Not directly attributable				
44	Total attributable to regulated service	1,434			
45	Recoverable costs				
46	Directly attributable	28,314			
47 48	Not directly attributable Total attributable to regulated service	28,314			
48 49		+16,65			
50	5d(iii): Changes in Cost Allocations* †				
51			(\$	000)	
52	Change in cost allocation 1		CY-1	Current Year (CY)	
53	Cost category	Original allocation			
54	Original allocator or line items	New allocation			
55	New allocator or line items	Difference	-	-	
56					
57	Rationale for change				
58					
59 60			It	000)	
61	Change in cost allocation 2		CY-1	Current Year (CY)	
62	Cost category	Original allocation	0. 2		
63	Original allocator or line items	New allocation			
64	New allocator or line items	Difference	-	-	
65					
66	Rationale for change				
67					
68			10		
69 70	Change in cost allocation 2		(> CY-1	000) Current Year (CY)	
70	Change in cost allocation 3 Cost category	Original allocation	01-1	Current rear (CT)	
72	Original allocator or line items	New allocation			
73	New allocator or line items	Difference	-	-	
74					
75	Rationale for change				
76					
77					
78		ost allocator change that has occurred in the disclosure year. A movement in an allocator metric is not a change in alloca	ator or componer	nt.	
79	† include additional rows if needed				

<form></form>			Company Name	Διι	rora Energy Limited
<form></form>	S	CHEDULE 5e: REPORT ON ASSET ALLOC			
	Th	s schedule requires information on the allocation of asset value	s. This information supports the calculation of the RAB value in Schedule 4.		
				changes in asset allocati	ons. This information is part of audited
Self: Englished Service Asset Values         Self: Englished Service Ass	uis		autori, and so is subject to the assurance report required by section 2.0.		
Image: Section of Sectio	sch re	f			
Image: Section of Sectio	7	5e(i): Regulated Service Asset Values			
				Value allocated	
	8				
				Electricity distribution	
		Subtransmission lines		services	
				18,327	
		Not directly attributable		-	
	13	Total attributable to regulated service		18,327	
				24.000	
20         Directly attribution         0           21         Total attribution to regulate service         0           22         Total attribution to regulate service         0           23         Directly attribution         0           24         Total attribution to regulate service         0           25         Directly attribution         0         0           26         Directly attribution         0         0           27         Total attribution service         0         0           28         Directly attribution         0         0         0           29         Total attribution service         0				21,398	
9         Nue directly attributable	18	Zone substations			
21         Total attributions and V information         9,000           22         Directly attributions         10,000           23         Directly attributions         10,000           24         Not directly attributions         10,000           25         Directly attributions         10,000           26         Directly attributions         10,000           27         Directly attributions         10,000           28         Directly attributions         10,000           29         Directly attributions         10,000           20         Directly attributions         0,000           20         Directly attributions         0,000           20         Directly attributions         0,000           21         Directly attributions         0,000           22         Directly attributions         0,000           21         Directly attributions         0,000           22         Directly attributions         0,000           23         Directly attributions         0,000           24         Directly attributions         0,000           25         Directly attributions         0,000           26         Directly attributions         0,000 <td></td> <td></td> <td></td> <td>92,806</td> <td></td>				92,806	
2       Distribution and Vines         2       Distribution and Vines         2       Not directly stributions         2       Distribution and Vices         3       Distribution and Vices         4       Distribution and Vices         5       Distribution and Vices         6       Distribution and Vices         7       Distribution and Vices         8       Distribution and Vices         9       Distribution and Vices         10       Distribution and Vices         10				92.806	
23       Diverly strikulable				52,000	
30         Total attributions of a Value Size              ISS.37            21         Directly attributions of a Value Size				145,176	
9       Oitsrbution all Vables         9       Oitsrbution subtailors and transformers         9       Not directly attributions       144.002         9       Oitsrbution subtailors and transformers       04.002         9       Not directly attributions       04.002         9       Distribution subtailors and transformers       02.002         9				-	
21       Decay attributable       44.002         22       Total attributable to regulated service       40.002         23       Decay attributable       40.002         24       Decay attributable       40.002         25       Decay attributable       40.002         26       Decay attributable       40.002         27       Decay attributable       40.002         28       Decay attributable       40.002         29       Decay attributable       40.002         20       Decay attributable       40.002         21       Decay attributable       40.002         22.00       Total attributable       40.002         22.01       Total attributable       40.002         22.02       Decay attributable       40.002         23       Decay attributable       40.002         24       Decay attributable       40.002         25       Decay attributable       40.002         26       Decay attributable       40.002         27       Decay attributable       40.002         28       Decay attributable       40.002         29       Se(ii): Changes in Asset Allocations* +       50.002         29				145,176	
28         Not directly attribution				144.062	
o       Oistlicution subtrations and transformers         i				-	
1       Orcey attributable       43.2         2       Total attributable to regulated service       43.2         2       Orcey attributable       27.2         2       Total attributable       27.2         2       Total attributable       27.2         2       Total attributable       27.2         3       Total attributable       27.2         4       Orcey attributable       27.2         5       Total attributable       27.2         6       Orcey attributable       27.2         7       Total attributable       28.2         7       Total attributable       38.2         8       Total attributable       38.2         8       Charge in astrubable dorce/or       1         9	29	Total attributable to regulated service		144,062	
21       Not directly attributedie	30	Distribution substations and transformers			
33         Total attributions witchaps         63,08           34         Directly attributions witchaps         72,080           35         Directly attributions witchaps         72,080           36         Total attributions witchaps         72,080           37         Total attributions witchaps         72,080           38         Directly attributions witchaps         72,080           37         Total attributions witchaps         72,080           38         Directly attributions         72,080           39         Directly attributions         72,080           30         Directly attributions         73,080           30         Directly attributions         536,735           30         Cital attribut				63,798	
9       Distribution survice/gara         9       Distribution survice/surv				63,798	
35         Directly attributable         27,233           37         Total attributable to regulated service         27,233           38         Directly attributable         27,231           39         Directly attributable         27,231           30         Directly attributable         27,231           30         Directly attributable         27,231           30         Directly attributable         20,431           31         Directly attributable         20,431           32         Directly attributable         5,007           31         Directly attributable         5,007           32         Directly attributable         5,007           33         Total attributable to regulated service         5,007           33         Directly attributable         5,007           33         Total attributable to regulated service         5,007           34         Directly attributable         5,007           35         Directly attributable         007           34         Directly attributable         007           35         Directly attributable         007           36         Directly attributable         007           36         Directly attributable					
37         Total attributable congulated service         22.283           37         Other network assets         17.901           38         Directly vitributable         17.901           39         Total attributable congulated service         20.481           30         Non-network assets         3.901           31         Directly vitributable         5.901           32         Directly vitributable         5.901           31         Non-network assets         6.389           32         Regulated services asset value directly vitributable         5.901           33         7001         5.901           34         Stepping in asset value directly vitributable         5.901           35         Stepping in asset value directly vitributable         5.901           36         Stepping in asset value directly vitributable         5.901           36         Stepping in asset value directly vitributable         5.901           37         Stepping in asset value directly vitributable         5.901           38         Stepping in asset value direction 1         (SOO)           39         Rationale for change         (SOO)           39         Particle service on line lens         Difference           30	35	-		27,283	
39       Other network assets				-	
39       Directly attributable       17,000         41       Total attributable to regulated service       2,383         42       Non-network assets       0,0483         43       Directly attributable       5,000         44       Not directly attributable       6,082         45       Directly attributable       6,082         46       Not directly attributable       6,082         47       Regulated service asset value directly attributable       536,715         48       Regulated service asset value directly attributable       536,715         49       Regulated service asset value directly attributable       536,715         40       Additioning RAX value       536,715         50       Change in asset value allocations * 1       5007         50       Change in asset value allocation 1       5007         41       Additional Biocator or line items       016/101 allocator         42       Additional Elems       016/101 allocator       1         43       Additional Elems       016/101 allocator       1         44       Additional Elems       016/101 allocator       1         45       Additional Elems       016/101 allocator       1         46       Additional Elems<				27,283	
40       Not directly attributable       2,335         41       Directly attributable       2,043         42       Directly attributable       4,042         43       Directly attributable       4,042         44       Directly attributable       4,052         45       Total attributable service asset value directly attributable       4,052         46       Regulated service asset value directly attributable       5,072         47       Regulated service asset value directly attributable       5,072         48       Regulated service asset value directly attributable       5,072         49       Regulated service asset value directly attributable       5,072         40       Regulated service asset value directly attributable       5,072         50(ii): Changes in Asset Allocations* †       5,000       Correct Vers (°C)         41       Asset ctagony       New allocator or line items       Original allocation         42       Asset ctagony       Original allocation       Criterit Vers (°C)         43       Asset ctagony       Original allocation or line items       Original allocation         44       Original allocation or line items       Original allocation       Criterit Vers (°C)         45       Asset ctagony       Original allocatio				17.902	
a       Non-network assets       9         b       0 rectly attributable       9         c       0 rectly attributable       0         c       0 rectly attributable					
4         Directly attributable         5.922           4         Directly attributable         6,388           4         Total attributable to regulated service         6,388           4         Regulated service asset value of certly attributable         536,715           4         Directly attributable         536,715           5         Segulated service asset value of directly attributable         330,702           5         Total attributable         538,715           5         Change in asset value allocations* *         (500)           5         Change in asset value allocation 1         (500)           6         Asset category         0riginal allocator or line items         0riginal allocator           6         Asset category         Original allocator or line items         0riginal allocator           6         Asset category         Original allocator         (500)           7         Carrent Year (Cr)         0riginal allocator         0riginal allocator           6         Asset category         Original allocator         0riginal allocator           7         Change in asset value allocation 2         (500)         (500)           7         Asset category         Original allocator         0riginal allocator           7<	41	Total attributable to regulated service		20,483	
44       Not directly attributable       420         47       Total attributable to regulated service       6,388         48       Regulated service asset value incitivitivitable       536,715         49       Total doing (AB avalue       536,715         59       Total doing (AB avalue       536,715         59       Total doing (AB avalue       536,725         59       Total doing (AB avalue       536,725         59       Total doing (AB avalue       536,725         50       Change in asset value allocation 1       (500)         50       Sec(ii): Change in asset value allocation 1       (500)         50       New allocator or line items       0riginal allocation         50       Asset category       Original allocation       (500)         61       Asset category       Original allocation       (500)         62       Asset category       Original allocation       (500)         63       Original allocation 7       (500)       (500)         64       Asset category       Original allocation       (500)         65       Original allocation 7       (500)       (500)         66       Asset category       Original allocation 7       (500)         7 </th <th></th> <th></th> <th></th> <th></th> <th></th>					
4       Total attributable to regulated service       6,383         7       Regulated service asset value of directly attributable       536,715         8       3,000       3,000         7       Sectorice asset value of directly attributable       3,000         7       Sectorice asset value allocations* +       500,700         7       Sectorice asset value allocation 1       (500)         7       Change in asset value allocation 1       (500)         7       Asset category       0riginal allocation       1         7       Asset category       0riginal allocation       1       1         7       Asset category       0riginal allocation or line items       0riginal allocation       1       1         7       Asset category       0riginal allocation or line items       0riginal allocation       1       1       1         7       Asset category       0riginal allocation or line items       0riginal allocation       1					
44 45 45 46 46 47 48 47 48 47 48 47 48 47 47 47 47 47 47 47 47 47 47 47 47 47					
44       Regulated service asset value not directly attributable       3.002         55       56(ii): Changes in Asset Allocations* +         56       56(ii): Change in asset value allocation 1					
Init dosing RAB value         539,722           Se[(ii): Changes in Asset Allocations* +         (500)           Change in asset value allocation 1         V:1         Current Year (CY)           Asset category         Original allocation         Image: Change in asset value allocation 2           Rationale for change         Cy1         Current Year (CY)           Asset category         Original allocation         Image: Change in asset value allocation 2           Rationale for change         Cy1         Current Year (CY)           Asset category         Original allocation 1         Image: Change in asset value allocation 2           Rationale for change         Cy1         Current Year (CY)           Asset category         Original allocation 1         Image: Change in asset value allocation 2           Rationale for change         Cy1         Current Year (CY)           Asset category         Original allocation or line items         Difference           Change in asset value allocation 3         Cy1         Current Year (CY)           Asset category         Original allocation         Cy1         Current Year (CY)           Change in asset value allocation 3         Cy1         Current Year (CY)           Asset category         Original allocation         Mew allocation         Mew allocation					
56         56(ii): Changes in Asset Allocations* †           57         Change in asset value allocation 1         V: 1         Current Year (CY)           58         Original allocator or line items         Difference         -         -           59         Rationale for change         V: 1         Current Year (CY)         -           68         New allocator or line items         Difference         -         -         -           69         Rationale for change         V: 1         Current Year (CY)         -			ble		
92       Change in asset value allocation 1       (SUO)         93       Change in asset value allocation or line items       Original allocation       (C+1)       Current Ver (CV)         93       Original allocator or line items       Difference       -       -       -         94       Rationale for change       -					
92       Change in asset value allocation 1       CY.1       Current Year (X')         95       Original allocator or line items       Difference       -         96       New allocator or line items       Difference       -         97       Rationale for change       -       -         98       Original allocator or line items       -       -         98       Rationale for change       -       -         98       Original allocation 2       -       -         98       Original allocator or line items       -       -					
53       Change in asset value allocation 1       Current Year (CY)         54       Asset category       Original allocation       I       I         55       Original allocator or line items       Difference       I       I         56       Rationale for change       I       I       I       I         57       I       I       I       I       I       I         58       Rationale for change       I <th></th> <th>5e(II): Changes In Asset Allocations* T</th> <th></th> <th></th> <th>(\$999)</th>		5e(II): Changes In Asset Allocations* T			(\$999)
54       Asset category       Original allocation       Image: Category or line items       Original allocation       Image: Category or line items         55       Original allocator or line items       Image: Category or line items       Image: Category or line items       Image: Category or line items         67       Rationale for change       Image: Category or line items       Image: Category or line items       Image: Category or line items         68       Original allocation or line items       Image: Category or line items       Image: Category or line items       Image: Category or line items         64       Original allocator or line items       Image: Category or line items       Image: Category or line items       Image: Category or line items         64       Asset category or line items       Image: Category or line items       Image: Category or line items       Image: Category or line items         64       Asset category or line items       Image: Category or line items       Image: Category or line items       Image: Category or line items         75       Asset category or line items       Image: Category or line items       Image: Category or line items       Image: Category or line items         76       Asset category or line items       Image: Category or line items       Image: Category or line items       Image: Category or line items         77       Asset category or line items		Change in asset value allocation 1			
56       New allocator or line items	54			Original allocation	
57       Rationale for change         58       Rationale for change         67					
58       Rationale for change         59       Rationale for change         60       Change in asset value allocation 2         61       Asset category         62       Asset category         63       New allocation on line items         64       Original allocator or line items         65       New allocation on line items         66       New allocation on line items         67       Rationale for change         68       Change in asset value allocation 7         79       Asset category         70       Current Year (CY)         71       Current Year (CY)         72       Asset category         73       Change in asset value allocation 3         74       Current Year (CY)         75       Asset category         76       Asset category         77       Asset category         78       Original allocation 3         79       New allocation 0         71       Mey allocation 7         72       Asset category         73       Original allocator or line items         74       New allocation 7         75       Rationale for change         76       Rati		new allocator of line items		Difference	
66 67 68 69 69 69 69 69 69 69 69 69 69 69 69 69		Rationale for change			
64       CY-1       CV-1         65       Asse category       Original allocation         66       Original allocation or line items       New allocation         67       New allocator or line items       Difference       -         68       Asset category					
62       Change in asset value allocation 2       CY-1       Current Year (CY)         63       Asset category       Image: Constraint of the tems       Image: Constraint of tems       Image: Constraint of tems         64       Original allocator or line items       Image: Constraint of tems       Image: Constraint of tems       Image: Constraint of tems         65       Asset category       Image: Constraint of tems       Image: Constraint of tems       Image: Constraint of tems         66       Asset category       Image: Constraint of tems       Image: Constraint of tems       Image: Constraint of tems         67       Asset category       Image: Constraint of tems       Image: Constraint of tems       Image: Constraint of tems         68       Image: Constraint of tems       Image: Constraint of tems       Image: Constraint of tems       Image: Constraint of tems         69       Asset category       Image: Constraint of tems       Image: Constraint of tems       Image: Constraint of tems       Image: Constraint of tems         73       Asset category       Image: Constraint of tems       Image: Constraint of tems       Image: Constraint of tems       Image: Constraint of tems         74       Asset category       Image: Constraint of tems       Image: Constraint of tems       Image: Constraint of tems       Image: Constraint of tems         75					(\$000)
63       Asset category       Original allocation       New allocation       New allocation         64       Original allocator or line items       Difference       -       -         65       New allocator or line items       Difference       -       -         66       Rationale for change		Change in asset value allocation 2			
65       New allocator or line items       Difference	63			Original allocation	
66       Rationale for change         67       Rationale for change         68       (\$000)         70       Change in asset value allocation 3         71       Change in asset value allocation 3         72       Asset category         73       Original allocator or line items         74       New allocator or line items         75       Rationale for change         76       Rationale for change         77       a change in asset allocation must be completed for each allocator or component change that has occurred in the disclosure year. A movement in an allocator metric is not a change in allocator or component.					
67       Rationale for change         68       Change in asset value allocation 3         71       Change in asset value allocation 3         72       Asset category         73       Original allocator or line items         74       New allocation or line items         75       New allocator or line items         76       Rationale for change         77       Rationale for change         78		New allocator or line items		Difference	
69		Rationale for change			
72       Change in asset value allocation 3       CY-1       Current Year (CY)         72       Asset category       Original allocation       Image: CY-1       Current Year (CY)         73       Original allocation or line items       Original allocation       Image: CY-1       Current Year (CY)         74       Original allocation or line items       Original allocation       Image: CY-1       Image: CY-1         75       Rationale for change       Image: CY-1       Image: CY-1       Image: CY-1       Image: CY-1         76       Rationale for change       Image: CY-1       Image: CY-1 <td></td> <td></td> <td></td> <td></td> <td></td>					
72       Asset category       CY-1       Current Year (CY)         73       Asset category       Original allocation       Image: Cy-1       Current Year (CY)         74       Asset category       Original allocation       Image: Cy-1       Current Year (CY)         74       Original allocator or line items       Original allocation       Image: Cy-1       Current Year (CY)         75       New allocator or line items       Ofference       Image: Cy-1       Current Year (CY)         76       Asset allocator or line items       Original allocator       Image: Cy-1       Current Year (CY)         76       Asset allocator or line items       Image: Cy-1       Image: Cy-1       Image: Cy-1       Current Year (CY)         77       Asset allocator or line items       Image: Cy-1       Image: Cy-1       Image: Cy-1       Image: Cy-1       Image: Cy-1         78       Asset allocation must be completed for each allocator or component change that has occurred in the disclosure year. A movement in an allocator must is not a change in allocator or component.       Image: Cy-1       Image: C					(\$200)
72       Asset category       Original allocation       Original allocation         73       Original allocator or line items       New allocation       Image: Constraint of the second		Change in asset value allocation 3			
74       New allocator or line items       Difference				Original allocation	
75       Rationale for change         76       Rationale for change         77       * a change in asset allocation must be completed for each allocator or component. change that has occurred in the disclosure year. A movement in an allocator metric is not a change in allocator or component.         79       * a change in asset allocation must be completed for each allocator or component.					
76       Rationale for change         77       Antionale for change         78       * a change in asset allocation must be completed for each allocator or component.		New allocator or line items		Difference	
<ul> <li>77</li> <li>78</li> <li>79 * a change in asset allocation must be completed for each allocator or component change that has occurred in the disclosure year. A movement in an allocator metric is not a change in allocator or component.</li> </ul>		Rationale for change			
79 * a change in asset allocation must be completed for each allocator or component change that has occurred in the disclosure year. A movement in an allocator metric is not a change in allocator or component.	77				
		* a change in asset allocation must be completed for	locator or component change that has occurred in the disclosure upon the	ment in an allocator	tric is not a change in allocates as some
			inclusion of component enouge that has occurred in the disclosure year. A move		and a more a change in anotator or component.

		Company Name	Aurora Energy	imited
		For Year Ended	31 March 2	
sc	HEDU	E 6a: REPORT ON CAPITAL EXPENDITURE FOR THE DISCLOSURE YEAR		-
This exclu EDB:	s schedule re luding assets 3s must prov	equires a breakdown of capital expenditure on assets incurred in the disclosure year, including any assets in respect of wh s that are vested assets. Information on expenditure on assets must be provided on an accounting accruals basis and mus ride explanatory comment on their expenditure on assets in Schedule 14 (Explanatory Notes to Templates). n is part of audited disclosure information (as defined in section 1.4 of the ID determination), and so is subject to the assure the temperature of a section 1.4 of the ID determination.	st exclude finance costs.	
ch ref	,			
		Funna ditum an Assata	(\$222)	(\$220)
7 8	0a(1): 1	Expenditure on Assets Consumer connection	(\$000)	(\$000) 10,019
8 9		System growth		3,725
10		Asset replacement and renewal		44,519
11		Asset relocations		1,614
12		Reliability, safety and environment:		
13		Quality of supply	551	
14		Legislative and regulatory	127	
15		Other reliability, safety and environment	3,202	2.000
16		Total reliability, safety and environment		3,880 63,758
17		Expenditure on network assets		
18 19		Expenditure on non-network assets		2,386
20	I	Expenditure on assets		66,145
21	plus	Cost of financing		400
22	less	Value of capital contributions		8,133
23	plus	Value of vested assets		-
24				
25	(	Capital expenditure		58,412
	(a)::).	Subserve and the of Funder diture on Acasta (where lungum)		(\$222)
26	6a(II):	Subcomponents of Expenditure on Assets (where known)		(\$000)
27		Energy efficiency and demand side management, reduction of energy losses		
27				
28		Overhead to underground conversion		
28	6a(iii):	Overhead to underground conversion		
28 29	6a(iii):	Overhead to underground conversion Research and development	(\$000)	(\$000)
28 29 30 31 32	6a(iii):	Overhead to underground conversion Research and development : Consumer Connection	<b>(\$000)</b> 10,019	(\$000)
28 29 30 31 32 33	6a(iii)	Overhead to underground conversion Research and development Consumer Connection Consumer types defined by EDB*		(\$000)
28 29 30 31 32 33 34	6a(iii)	Overhead to underground conversion Research and development Consumer Connection Consumer types defined by EDB*		(\$000)
28 29 30 31 32 33 34 35	6a(iii)	Overhead to underground conversion Research and development Consumer Connection Consumer types defined by EDB*		(\$000)
28 29 30 31 32 33 34	6a(iii)	Overhead to underground conversion Research and development		(\$000)
28 29 30 31 32 33 34 35 36 37 38	6a(iii)	Overhead to underground conversion Research and development Consumer Connection Consumer types defined by EDB*		<b>(\$000)</b> 10,019
28 29 30 31 32 33 34 35 36 37 38 39		Overhead to underground conversion Research and development	10,019	
28 29 30 31 32 33 34 35 36 37 38 39 40	6a(iii): Iess	Overhead to underground conversion Research and development		10,019
28 29 30 31 32 33 34 35 36 37 38 39		Overhead to underground conversion Research and development	10,019	10,019
28 29 30 31 32 33 34 35 36 37 38 39 40 41	less	Overhead to underground conversion Research and development	10,019	10,019 2,768 Asset
28 29 30 31 32 33 34 35 36 37 38 39 40	less	Overhead to underground conversion Research and development	10,019	10,019
28 29 30 31 32 33 34 35 36 37 38 39 40 41	less	Overhead to underground conversion Research and development	7,251	10,019 2,768 Asset Replacement and
28 29 30 31 32 33 34 35 36 37 38 39 40 41 41 42 43 44 45	less	Overhead to underground conversion   Research and development	7,251 System Growth (\$000)	10,019 2,768 Asset Replacement and Renewal (\$000) 8,472
28 29 30 31 32 33 34 35 36 37 38 39 40 41 42 43 44 45 46	less	Overhead to underground conversion   Research and development	10,019 7,251 System Growth (\$000) 591 2,498	10,019 2,768 Asset Replacement and Renewal (\$000) 8,472 4,567
28 29 30 31 32 33 34 35 36 37 38 39 40 41 41 42 43 44 45 46 47	less	Overhead to underground conversion Research and development	10,019 10,019 7,251 System Growth (\$000) 591 2,498 76	10,019 2,768 Asset Replacement and Renewal (\$000) 8,472 4,567 20,306
28 29 30 31 32 33 34 35 36 37 38 39 40 41 42 43 44 45 46 47 48	less	Overhead to underground conversion Research and development	10,019 10,019 7,251 System Growth (\$000) 591 2,498 76 312	10,019 2,768 Asset Replacement and Renewal (\$000) 8,472 4,567 20,306 2,709
28 29 30 31 32 33 34 35 36 37 38 39 40 41 42 43 44 45 46 47 48 49	less	Overhead to underground conversion   Research and development	10,019 10,019 7,251 System Growth (\$000) 591 2,498 76 312 131	10,019 2,768 Asset Replacement and Renewal (\$000) 8,472 4,567 20,306 2,709 6,179
28 29 30 31 32 33 34 35 36 37 38 39 40 41 43 44 45 46 47 48 49 50	less	Overhead to underground conversion   Research and development	10,019 10,019 7,251 System Growth (\$000) 591 2,498 76 312 131 46	10,019 2,768 Asset Replacement and Renewal (\$000) 8,472 4,567 20,306 2,709 6,179 1,612
28 29 30 31 32 33 34 35 36 37 38 39 40 41 42 43 44 45 46 47 48 49	less	Overhead to underground conversion   Research and development	10,019 10,019 7,251 System Growth (\$000) 591 2,498 76 312 131	10,019 2,768 Asset Replacement and Renewal (\$000) 8,472 4,567 20,306 2,709 6,179
28 29 30 31 32 33 34 35 36 37 38 39 40 41 42 43 44 45 46 47 48 49 50 51	less	Overhead to underground conversion   Research and development	10,019 10,019 7,251 System Growth (\$000) 591 2,498 76 312 131 46 72	10,019 2,768 Asset Replacement and Renewal (\$000) 8,472 4,567 20,306 2,709 6,179 1,612 5,719
28 29 30 31 32 33 34 35 36 37 38 39 40 41 41 42 43 44 45 46 47 48 49 50 51 52	less 6a(iv):	Overhead to underground conversion   Research and development	10,019 10,019	10,019 2,768 Asset Replacement and Renewal (\$000) (\$000) 8,472 4,567 20,306 2,709 6,179 1,612 (\$675 44,519
28 29 30 31 32 33 34 35 36 37 38 39 40 41 41 42 43 44 45 46 47 48 49 50 51 52 53	less 6a(iv):	Overhead to underground conversion   Research and development	10,019 10,019	10,019 2,768 Asset Replacement and Renewal (\$000) 8,472 4,567 20,306 2,709 6,179 1,612 6,179 1,612 6,179 1,612 6,557 44,519
28 29 30 31 32 33 34 35 36 37 38 39 40 41 42 43 44 45 46 47 48 49 50 51 52 53 55	less 6a(iv): less	Overhead to underground conversion   Research and development     Subsect Consumer Connection   All consumers   All consumers   * include additional rows if needed Consumer connection expenditure Capital contributions funding consumer connection expenditure Consumer connection less capital contributions System Growth and Asset Replacement and Renewal Subtransmission Subtransmission Distribution and LV lines Distribution substations and transformers Distribution substations and transformers Distribution substations and transformers Distribution substations and transformers Distribution substations funding system growth and asset replacement and renewal Capital contributions funding system growth and asset replacement and renewal	10,019 10,019	10,019 2,768 Asset Replacement and Renewal (\$000) 8,472 4,567 20,306 2,709 6,179 1,612 6,179 1,612 6,179 1,612 6,557 44,519
28 29 30 31 32 33 34 35 36 37 38 39 40 41 42 43 44 45 46 47 48 49 50 51 52 53 54 55 55	less 6a(iv): less	Overhead to underground conversion   Research and development     Subtransmer types defined by EDB*     All consumers   All consumers     All consumers     All consumers     All consumers     All consumers     All consumers     All consumers     All consumers     All consumers     All consumers     All consumers        All consumers     All consumers        All consumers              All consumers              All consumers	10,019 10,000 10,000	10,019 2,768 Asset Replacement and Renewal (\$000) 8,472 4,567 20,306 2,709 6,179 1,612 6,179 1,612 6,179 1,612 6,179 1,612 6,179 1,612 6,179 1,612 6,75 44,519 5,8 44,461
28 29 30 31 32 33 34 35 36 37 38 39 40 41 42 43 44 45 46 47 48 49 55 55 55 55 55 55 55	less 6a(iv): less	Overhead to underground conversion         Research and development <b>Stormer Connection</b> Consumer types defined by EDB*         All consumers         All consumers         All consumers         All consumers         All consumers         Image: All consumers         All consumers         Image: All consumers         * include additional rows if needed         Consumer connection expenditure         Capital contributions funding consumer connection expenditure         Consumer connection less capital contributions         Stypeen Growth and Asset Replacement and Renewal         Subtransmission         Distribution and LV lines         Distribution and LV cables         Distribution substations and transformers         Distribution substations and transformers         Distribution substations funding system growth and asset replacement and renewal         System growth and asset replacement and renewal expenditure         Capital contributions funding system growth and asset replacement and renewal         System growth and asset replacement and renewal less capital contributions         System growth and asset replacement and renewal less capital contributions         Asset Relocations         Project or programme*	10,019 10,019	10,019 2,768 Asset Replacement and Renewal (\$000) 8,472 4,567 20,306 2,709 6,179 1,612 6,179 1,612 6,179 1,612 6,557 44,519
28 29 30 31 32 33 34 35 36 37 38 39 40 41 42 43 44 45 46 47 48 49 50 51 52 53 54 55 55 56 57 58	less 6a(iv): less	Overhead to underground conversion         Research and development         Stonumer types defined by EDB*         All consumers         Consumer connection expenditure         Consumer connection less capital contributions         Consumer connection less capital contributions         System Growth and Asset Replacement and Renewal         Subtransmission         Distribution and LV lines         Distribution substations and transformers         Distribution substations and transformers         Distribution substations and transformers         Distribution subtations funding system growth and asset replacement and renewal         Cystem growth and asset replacement and renewal expenditure         Cystem growth and asset replacement and renewal less capital contributions         System growth and asset replacement and renewal         System growth and asset replacement and renewal         Cystem growth and asset replacement and renewal <t< td=""><td>10,019 10,019</td><td>10,019 2,768 Asset Replacement and Renewal (\$000) 8,472 4,567 20,306 2,709 6,179 1,612 6,179 1,612 6,179 1,612 6,179 1,612 6,179 1,612 6,179 1,612 6,75 44,519 5,8 44,461</td></t<>	10,019 10,019	10,019 2,768 Asset Replacement and Renewal (\$000) 8,472 4,567 20,306 2,709 6,179 1,612 6,179 1,612 6,179 1,612 6,179 1,612 6,179 1,612 6,179 1,612 6,75 44,519 5,8 44,461
28 29 30 31 32 33 34 35 36 37 38 39 40 41 41 42 43 44 45 46 47 48 49 55 55 55 55 55 55 55	less 6a(iv): less	Overhead to underground conversion         Research and development <b>Stormer Connection</b> Consumer types defined by EDB*         All consumers         * include additional rows if needed         Consumer connection expenditure         Capital contributions funding consumer connection expenditure         Consumer connection less capital contributions         System Growth and Asset Replacement and Renewal         Subtransmission         Distribution and LV lines         Distribution substations and transformers         Distribution substations and transformers         Distribution substations and transformers         Distribution substations funding system growth and asset replacement and renewal         System growth and asset replacement and renewal expenditure         Capital contributions funding system growth and asset replacement and renewal         System growth and asset replacement and renewal less capital contributions         System growth and asset replacement and renewal less capital contributions         Asset Relocations         Project or programme*	10,019 10,019	10,019 2,768 Asset Replacement and Renewal (\$000) 8,472 4,567 20,306 2,709 6,179 1,612 6,179 1,612 6,179 1,612 6,179 1,612 6,179 1,612 6,179 1,612 6,75 44,519 5,8 44,461
28 29 30 31 32 33 34 35 36 37 38 39 40 41 42 43 44 45 46 47 48 49 50 51 52 53 54 55 55 56 57 58 59	less 6a(iv): less	Overhead to underground conversion         Research and development         Consumer types defined by EDB*         All consumers         All consumers         All consumers         Intervention         All consumers         Intervention	10,019 10,019	10,019 2,768 Asset Replacement and Renewal (\$000) 8,472 4,567 20,306 2,709 6,179 1,612 6,179 1,612 6,179 1,612 6,179 1,612 6,179 1,612 6,179 1,612 6,75 44,519 5,8 44,461
28 29 30 31 32 33 34 35 36 37 38 39 40 41 42 43 44 45 46 47 48 49 50 51 52 53 55 55 55 55 55 56 57 58 59 60	less 6a(iv): less	Overhead to underground conversion         Research and development         Consumer types defined by EDB*         All consumers         * include additional rows if needed         Consumer connection expenditure         Capital contributions funding consumer connection expenditure         Consumer connection less capital contributions         Stypeen Growth and Asset Replacement and Renewal         Subtransmission         Zone substations         Distribution and LV lines         Distribution and LV cables         Distribution substations and transformers         Distribution substations and transformers         Distribution substations substations and renewal expenditure         Capital contributions funding system growth and asset replacement and renewal         System growth and asset replacement and renewal less capital contributions         System growth and asset replacement and renewal less capital contributions         Consumer and renewal less capital contributions         System growth and	10,019 10,019	10,019 2,768 Asset Replacement and Renewal (\$000) 8,472 4,567 20,306 2,709 6,179 1,612 6,179 1,612 6,179 1,612 6,179 1,612 6,179 1,612 6,179 1,612 6,75 44,519 5,8 44,461
28 29 30 31 32 33 34 35 36 37 38 39 40 41 42 43 44 45 46 47 48 49 50 51 52 53 54 55 55 56 57 88 59 60 61	less 6a(iv): less	Overhead to underground conversion         Research and development         Consumer types defined by EDB*         All consumers         * include additional rows if needed         Consumer connection expenditure         Capital contributions funding consumer connection expenditure         Consumer connection less capital contributions         Stypeen Growth and Asset Replacement and Renewal         Subtransmission         Zone substations         Distribution and LV lines         Distribution and LV cables         Distribution substations and transformers         Distribution substations and transformers         Distribution substations substations and renewal expenditure         Capital contributions funding system growth and asset replacement and renewal         System growth and asset replacement and renewal less capital contributions         System growth and asset replacement and renewal less capital contributions         Consumer and renewal less capital contributions         System growth and	10,019 10,019	10,019 2,768 Asset Replacement and Renewal (\$000) 8,472 4,567 20,306 2,709 6,179 1,612 6,179 1,612 6,179 1,612 6,179 1,612 6,179 1,612 6,179 1,612 6,75 44,519 5,8 44,461
28           29           30           31           32           33           34           35           36           37           38           39           40           41           42           43           44           45           46           47           48           49           50           51           52           53           54           55           56           57           58           59           60           61           62           63           64	less 6a(iv): less	Overhead to underground conversion         Research and development         Consumer types defined by EDB*         All consumers         Consumer connection expenditure         Consumer connection less capital contributions         Subtransmission         Zone substations         Distribution and LV lines         Distribution subtations         Distribution subtations         System growth and asset replacement and renewal         Apital contributions funding system growth and asset replacement and renewal         System growth and asset replacement and renewal         System growth and a	10,019 10,019	10,019 2,768 Asset Replacement and Renewal (\$000) 8,472 4,567 20,306 2,709 6,179 1,612 6,179 1,612 6,179 1,612 6,575 44,519 58 44,461
28           29           33           34           35           36           37           38           39           40           41           42           43           44           45           46           47           50           51           52           53           54           55           56           57           58           60           61           62           63           64           65	less 6a(iv): less 6a(v):	Overhead to underground conversion   Research and development   Consumer types defined by EDB*   All consumers   All consumers   *Include additional rows if needed Consumer connection expenditure Consumer connection less capital contributions Capital contributions funding consumer connection expenditure Consumer connection less capital contributions Subtransmission Zogetar Consumer connection expenditures Consumer connection less capital contributions Subtransmission Zone substations Distribution and LV lines Distribution and LV ables Distribution substations and transformers Distribution substations and renewal expenditure Capital contributions (funding system growth and asset replacement and renewal System growth and asset replacement and renewal less capital contributions State on transmission System growth and asset replacement and renewal less capital contributions Contrad line to underground cable conversion, Remarkables Park Relocation of 11kv line, Rutherford Lane and Moa Creek Road Downhead line to underground cable conversion, Fryatt Street Downhead line to underground cable conversion, Strans Road Include additional rows if needed Autoer additional rows if needed Autoer additional rows of reneeded Autoer	10,019 10,019	10,019 2,768 Asset Replacement and Renewal (\$000) 8,472 4,567 20,306 2,709 6,179 1,612 6,179 1,612 6,179 1,612 6,179 1,612 6,179 1,612 6,179 1,612 6,75 44,519 5,8 44,461
28           29           30           31           32           33           34           35           36           37           38           39           40           41           42           43           44           45           46           47           48           49           50           51           52           53           54           55           56           57           58           59           60           61           62           63	less 6a(iv): less	Overhead to underground conversion         Research and development         Consumer types defined by EDB*         All consumers         Consumer connection expenditure         Consumer connection less capital contributions         Subtransmission         Zone substations         Distribution and LV lines         Distribution subtations         Distribution subtations         System growth and asset replacement and renewal         Apital contributions funding system growth and asset replacement and renewal         System growth and asset replacement and renewal         System growth and a	10,019 10,019	10,019 2,768 Asset Replacement and Renewal (\$000) 8,472 4,567 20,306 2,709 6,179 1,612 6,179 1,612 6,179 1,612 6,575 44,519 58 44,461

	Company Name	Aurora Energy Li	
	For Year Ended	31 March 20	21
	CHEDULE 6a: REPORT ON CAPITAL EXPENDITURE FOR THE DISCLOSURE YEAR		
	is schedule requires a breakdown of capital expenditure on assets incurred in the disclosure year, including any assets in respect of w		are received, but
	cluding assets that are vested assets. Information on expenditure on assets must be provided on an accounting accruals basis and m Bs must provide explanatory comment on their expenditure on assets in Schedule 14 (Explanatory Notes to Templates).	ust exclude finance costs.	
	is information is part of audited disclosure information (as defined in section 1.4 of the ID determination), and so is subject to the ass	urance report required by	section 2.8.
sch re	of		
68			
69	6a(vi): Quality of Supply		
70	Project or programme*	(\$000)	(\$000)
71	Remote switching project, Arthurs Point	156	
72	Generator installation, Glenorchy	318	
73 74			
75			
76	* include additional rows if needed		
77	All other projects programmes - quality of supply	77	
78 79	Quality of supply expenditure less Capital contributions funding quality of supply	r	551
79 80	less Capital contributions funding quality of supply Quality of supply less capital contributions		551
			551
81	6a(vii): Legislative and Regulatory		
82	Project or programme*	(\$000)	(\$000)
83 84	Low span conductor	67	
85			
86			
87			
88	* include additional rows if needed		
<i>89</i>	All other projects or programmes - legislative and regulatory	60	407
90 91	Legislative and regulatory expenditure less Capital contributions funding legislative and regulatory	6	127
92	Legislative and regulatory less capital contributions		121
		•	
93	6a(viii): Other Reliability, Safety and Environment	(44444)	(1)
94 95	Project or programme* Seismic strengthing of zone substations	(\$000) 2,464	(\$000)
96		2,404	
97			
98			
99			
100 101	<ul> <li>include additional rows if needed</li> <li>All other projects or programmes - other reliability, safety and environment</li> </ul>	738	
101	Other reliability, safety and environment expenditure	750	3,202
103	less Capital contributions funding other reliability, safety and environment		
104	Other reliability, safety and environment less capital contributions		3,202
105			
106	6a(ix): Non-Network Assets		
100	Routine expenditure		
108	Project or programme*	(\$000)	(\$000)
109	Additions - Right-of-use assets	663	
110	Computer equipment	193	
111 112	General office equipment	65	
112			
114	* include additional rows if needed		
115	All other projects or programmes - routine expenditure	119	
116	Routine expenditure	L	1,040
117	Atypical expenditure		
118	Project or programme*	(\$000)	(\$000)
119 120	External portable office Development of Asset Management System	341 396	
120 121	GIS Enterprise software development	216	
122	Data warehouse solution	93	
123	Stationware software	93	
124	* include additional rows if needed		
125	All other projects or programmes - atypical expenditure	207	1.246
126 127	Atypical expenditure		1,346
127	Expenditure on non-network assets	ſ	2,386

	Company Name	Aurora Ener	gy Limited
	For Year Ended	31 Marc	h 2021
	SCHEDULE 6b: REPORT ON OPERATIONAL EXPENDITURE FOR THE DISCLOSURE YEAR		
	This schedule requires a breakdown of operational expenditure incurred in the disclosure year.		
	EDBs must provide explanatory comment on their operational expenditure in Schedule 14 (Explanatory notes to templates). This includes explanatory	v comment on any at	vpical operational
	expenditure and assets replaced or renewed as part of asset replacement and renewal operational expenditure, and additional information on insur		/h
-	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	t required by section	2.8.
SCI	n ref		
	6b(i): Operational Expenditure	(\$000)	(\$000)
á	3 Service interruptions and emergencies	3,688	
	Vegetation management	5,570	
1	Routine and corrective maintenance and inspection	10,224	
1.	Asset replacement and renewal	-	
1.	2 Network opex		19,481
1.	3 System operations and network support	13,779	
1	a Business support	12,992	
1		L	26,771
1		F	
1	7 Operational expenditure	L	46,252
1	6b(ii): Subcomponents of Operational Expenditure (where known)		
1		Г	-
2		-	_
2.			_
2.	2 Insurance		369
2.	* Direct billing expenditure by suppliers that directly bill the majority of their consumers		

Company Name For Year Ended Aurora Energy Limited 31 March 2021

# SCHEDULE 7: COMPARISON OF FORECASTS TO ACTUAL EXPENDITURE

This schedule compares actual revenue and expenditure to the previous forecasts that were made for the disclosure year. Accordingly, this schedule requires the forecast revenue and expenditure information from previous disclosures to be inserted.

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

#### sch ref

	7	7(i): Revenue	Target (\$000) <sup>1</sup>	Actual (\$000)	% variance
	8	Line charge revenue	97,374	98,409	1%
	9	7(ii): Expenditure on Assets	Forecast (\$000) <sup>2</sup>	Actual (\$000)	% variance
1	10	Consumer connection	9,241	10,019	8%
1	11	System growth	5,355	3,725	(30%)
1	12	Asset replacement and renewal	50,850	44,519	(12%)
1	13	Asset relocations	1,962	1,614	(18%)
1	14	Reliability, safety and environment:	· · · · · · · · · · · · · · · · · · ·		r
1	15	Quality of supply	242	551	128%
	16	Legislative and regulatory	-	127	-
	17	Other reliability, safety and environment	-	3,202	-
	18	Total reliability, safety and environment	242	3,880	1,503%
	19	Expenditure on network assets	67,650	63,758	(6%)
	20	Expenditure on non-network assets	6,379	2,386	(63%)
2	21	Expenditure on assets	74,029	66,145	(11%)
2	22	7(iii): Operational Expenditure			
	23		4 905	2 699	(220/)
	24	Service interruptions and emergencies	4,805 5,440	3,688 5,570	(23%) 2%
	25	Vegetation management Routine and corrective maintenance and inspection	9,073	10,224	13%
	26	Asset replacement and renewal	9,075	10,224	-
	27	Network opex	19,318	- 19,481	- 1%
	28	System operations and network support	16,129	13,779	(15%)
	29	Business support	15,195	12,992	(15%)
	30	Non-network opex	31,324	26,771	(14%)
	31	Operational expenditure	50,642	46,252	(15%)
	-		50,042	40,252	(370)
3	32	7(iv): Subcomponents of Expenditure on Assets (where known)			
3	33	Energy efficiency and demand side management, reduction of energy losses	-	-	-
3	34	Overhead to underground conversion	-	-	-
3	35	Research and development	-	-	-
3	36				
3	37	7(v): Subcomponents of Operational Expenditure (where known)	)		
	38	Energy efficiency and demand side management, reduction of energy losses	_	-	-
-	39	Direct billing	_	-	-
	40	Research and development	-	-	-
	11	Insurance	-	369	-
	12				
4	13	1 From the nominal dollar target revenue for the disclosure year disclosed under clause 2.4.3			
		2 From the CY+1 nominal dollar expenditure forecasts disclosed in accordance with clause 2.	6.6 for the forecast p	period starting at the	beginning of the
4	14	disclosure year (the second to last disclosure of Schedules 11a and 11b)			

															Company Name For Year Ended -Network Name		ora Energy Lin 31 March 202 Total Networ
ıl		ciated line charge revenues for each			nation is also required on	he number of KPs that are included in each consumer group or price category coc	de, and the energy d	lelivered to these ICF	²s.								
)	: Billed Quantities by Price	Component															
						ſ	Billed quantities by					Control Period	Transformer Lease,				Control Period
						Price component	Fixed (Distribution)	Fixed (Distribution)	Energy Delivery (Distribution)	Capacity (Distribution)	Capacity - Distance (Distribution)	Demand (Distribution)	Other Charges & Rebates (Distribution)	Fixed (Transmission)	Energy Delivery (Transmission)	Capacity (Transmission)	Demand (Transmission)
	Consumer group name or price category code	Consumer type or types (eg, residential, commercial etc.)	Standard or non-standard consumer group (specify)		ergy delivered to ICPs in disclosure year (MWh)	Unit charging basis (eg, days, kW of demand, kVA of capacity, etc.)	LS	Lamp	kWh	kVA	kVA x km	kW	kVA	LS	kWh	kVA	kW
	Residential	Residential	Standard	77.158	629.103	Г	28.179.678	-	629,103,137		-	-		-	628.335.611	-	
	Load Group 0	General	Standard	306	80		111.833	-	-	95	-	-	-	111.833	-	-	-
	Load Group 0A	General	Standard	716	1,676		261,655	-	-	302	-	-	-	55,095	-	-	-
	Load Group 1A	General	Standard	903	2,791		329,752	-	-	2,635,520	-	325,287	-	-	-	2,632,600	324,922
	Load Group 1	General	Standard	5,709	40,707		2,085,365	-	-	31,253,522	-	5,225,443	-	-	-	31,253,522	5,225,443
	Load Group 2	General	Standard	6,739	255,101		2,461,635	-	-	122,747,284	-	17,783,877	(511)		-	122,711,875	17,780,997
	Load Group 2	General	Non-standard	0	132		36	-	-	-	-	-	-	-	-	-	-
	Load Group 3 Load Group 3	General	Standard	219	54,991	-	80,085	-	-	15,470,078	252,403,097	3,494,930	(140)		-	15,470,078	3,494,930
	Load Group 3 Load Group 3A	General	Non-standard Standard	174	498 79.565	-	63.655	-	-	19.544.520	267.854.366	5.014.110	- (543)		-	19,544,520	5.014.110
	Load Group 3A	General	Standard Non-standard	1/4	1.398		03,055	-	-	19,344,520	207,854,300	5,014,110	(543)	-	-	19,544,520	5,014,110
	Load Group 4	General	Standard	137	160.570		50.140	-	-	36.129.100	531,456,108	9.145.060	90.113	-	-	36.129.100	9.145.060
	Load Group 4	General	Non-standard	1	3,364		334	-	-	-	-	-	-	-	-	-	-
	Load Group 5	General	Standard	9	58,246		3,235	-	-	9,722,000	111,206,765	2,603,975	8,167	-	-	9,722,000	2,603,975
	Load Group 5	General	Non-standard	1	5,615		334	-	-	-	-	-	-	-	-	-	-
	Street Lighting	General	Standard	13	8,291		730	2,699,469	2,086,861	-	-	-	-	730	2,079,128	1	-
	DUML, excl Street Lighting	General	Standard	-	4		-	-	3,614	-	-	-	-	-	3,614	-	-
	Distributed Generation (Large)	General	Standard	12	3,246		-	-	3,246	-	-	-	-	-	-	-	-
	Add extra rows for additional co.	nsumer groups or price category coo															
			Standard consumer totals	92,094	1,294,370		33,627,765	2,699,469	631,196,858	237,502,421	1,162,920,336	43,592,682	97,086	167,658	630,418,353	237,463,695	43,589,437
			Non-standard consumer totals Total for all consumers	2 92.096	11,006		752 33.628.518	2.699.469	631.196.858	237.502.421	1.162.920.336	43,592,682	- 97.086	- 167.658	- 630.418.353	237.463.695	43.589.437
			total for all consumers	92,096	1,305,375		33,628,518	z,699,469	031,196,858	237,502,421	1,102,920,335	43,592,682	97,086	167,658	030,418,353	237,463,695	43,589,437

																For Year Ended		31 March 20
															Network / Sub	-Network Name		Total Netwo
quires the billed quantities and ass	D QUANTITIES AND LI pociated line charge revenues for each	n price category code used by the E		nformation is also required on	the number of ICPs that are incl	ided in each consume	er group or price category co	ode, and the energy	delivered to these IC	Ps.								
								Line charge revenu	es (\$000) by price o	omponent								
							Price component	Fixed (Distribution)	Fixed (Distribution)	Energy Delivery (Distribution)	Capacity (Distribution)	Capacity - Distance (Distribution)	Control Period Demand (Distribution)	Transformer Lease, Other Charges & Rebates (Distribution)	Fixed (Transmission)	Energy Delivery (Transmission)	Capacity (Transmission)	Control Period Demand (Transmission)
Consumer group name or pric category code	e Consumer type or types (eg, residential, commercial etc.)	Standard or non-standard consumer group (specify)	Total line charge revenue in disclosure year	Notional revenue foregone from posted discounts (if applicable)	Total distribution line charge revenue	Total transmission line charge revenue (if available)	Rate (eg, \$ per day, \$ per kWh, etc.)	\$ / annum	\$ / Lamp	\$ / kWh	\$ / kVA	\$ / kVA x km	\$/kW	\$ / kVA	\$ / annum	\$ / kWh	\$ / KVA	\$ / kW
Residential	Residential	Standard	\$57.883	-	\$52.085	\$5,798	1	\$4,195	-	\$47.889	-	-	-	-	-	\$5.798	-	-
Load Group 0	General	Standard	\$57		\$58	(\$1)		\$58		-	-	-	-	-	(\$1)	-	-	-
Load Group 0A	General	Standard	\$251	-	\$279	(\$28)	1	\$279	-	-	-	-	-	-	(\$28)	-	-	-
Load Group 1A	General	Standard	\$353		\$347	\$6		\$14	-	_	\$194	-	\$139	_	-	-	(\$61)	\$6
Load Group 1	General	Standard	\$4,542		\$4,245	\$298		\$91	-	-	\$2,052	-	\$2,102	(\$0)	-	-	(\$811)	\$1,10
Load Group 2	General	Standard	\$17,004	-	\$15,688	\$1,316	-	\$215		-	\$8,619	-	\$6,859		-	-	(\$2,651)	\$3,96
Load Group 2	General	Non-standard	-	-		-	-	-	-	-	-	-		-	-	-	-	-
Load Group 3 Load Group 3	General General	Standard Non-standard	\$3,473	-	\$3,287	\$187		\$140	-		\$1,699	\$315	\$1,134	(\$2)	-	-	(\$499)	\$68
Load Group 3A	General	Standard	\$4,302	-	53.884	\$418		\$110			\$2.006	\$328	\$1,447	(\$7)	-	-	(\$612)	\$1,02
Load Group 3A	General	Non-standard	- 34,302	-	-		-	-		_	32,000	-	21,447	(37)	-	_	(3012)	
Load Group 4	General	Standard	\$7,515	-	\$6,185	\$1.330		\$221	-	-	\$2,219	\$657	\$2,341	\$747	-	-	(\$504)	\$1.83
Load Group 4	General	Standard	\$130		\$75	\$55	1	\$75	-	-	-	-	-	-	\$55	-	-	-
Load Group 5	General	Standard	\$1,453	-	\$954	\$499		\$14	-	-	\$356	\$134	\$359	\$91	-	-	(\$109)	\$60
Load Group 5	General	Non-standard	\$204		\$88	\$116		\$88		-	-	-	-	-	\$116	-	-	-
Street Lighting	General	Standard	\$622		\$586	\$36		\$414				-	-	-	\$40	(\$4)		-
DUML, excl Street Lighting	General	Standard	\$0		\$0	\$0		\$0		\$0		-		-	-	\$0		-
Distributed Generation (Large)		Standard	\$620	I -	\$620	-	]	\$620	-	-	-	-	-	-	-	-	-	-
Add extra rows for additional o	onsumer groups or price category co		600.305	1	600.000	60.042	1	\$6.447	\$101	647.054	\$17,145	\$1,434	\$14,380	6034	0.00	65 704	(\$5,247)	60.20
		Standard consumer totals	\$98,205 \$204		\$88,292	\$9,913 \$116		\$6,447		\$47,961	\$17,145	\$1,434	\$14,380	\$824	\$65 \$116		(\$5,247)	\$9,30
		Non-standard consumer totals Total for all consumers	\$204 \$98,409		\$88.380	\$116	1	\$6,535		\$47.961	\$17.145		\$14,380		\$116	\$5.794		\$9,30
		rotar for all consumers	\$56,405		\$86,380	\$10,025		30,333	\$101	347,501	\$17,145	\$1,434	\$14,380	2024	2101	\$3,754	(\$3,247)	\$5,30
Number of ICPs directly	billed				Check	ОК	1											

	JLE 8: REPORT ON BILLE	D OLIANTITICS AND LL		-											Company Name For Year Ended Network Name		ora Energy Lir 31 March 202 nedin Sub-net
					nation is also required on	e number of ICPs that are included in each consumer group or price category cod	le, and the energy o	delivered to these IC	Ps.								
		_															
(1)	: Billed Quantities by Price	Lomponent															
						<u>.</u>	Billed quantities by	price component									
						Price component	Fixed (Distribution)	Fixed (Distribution)	Energy Delivery (Distribution)	Capacity (Distribution)	Capacity - Distance (Distribution)	Control Period Demand (Distribution)	Transformer Lease, Other Charges & Rebates (Distribution)	Fixed (Transmission)	Energy Delivery (Transmission)	Capacity (Transmission)	Control Period Demand (Transmission)
	Consumer group name or price category code	Consumer type or types (eg, residential, commercial etc.)	Standard or non-standard consumer group (specify)		ergy delivered to ICPs in disclosure year (MWh)	Unit charging basis (eg, days, kW of demand, kVA of capacity, etc.)	LS	Lamp	kWh	KVA	kVA x km	kW	kVA	LS	kWh	kVA	kW
	Residential	Residential	Standard	48.940	408.722		17 863 041	-	408.721.745	-	-	-	-	-	408.721.745	-	-
	Load Group 0	General	Standard	95	29		34,673	-	-	95	-	-	-	34,673	-	-	-
	Load Group 0A	General	Standard	151	236		55,095	-	-	302	-	-	-	55,095	-	-	-
	Load Group 1A	General	Standard	410	1,263		149,584	-	-	1,196,672	-	136,565	-	-	-	1,196,672	136,565
	Load Group 1	General	Standard	2,894	20,380		1,056,251	-	-	15,843,047	-	2,556,023	-	-	-	15,843,047	2,556,023
	Load Group 2	General	Standard	3,111	126,201		1,135,484	-	-	57,884,263	-	8,829,649	-	-	-	57,884,263	8,829,649
	Load Group 2	General	Non-standard Standard	- 102	- 28.982		- 37.403	-	-	7.324.750	41.064.306	1.945.058	-	-	-	7.324.750	1.945.058
	Load Group 3 Load Group 3	General	Standard Non-standard	102	28,982		37,403	-		7,324,750	41,064,306	1,945,058	-		-	7,324,750	1,945,058
	Load Group 3A	General	Standard	- 90	47,506		32.811	-		10.017.246	53,420,504	3.220.183	(263)		-	10.017.246	3.220.183
	Load Group 3A	General	Non-standard	-	47,500		-	-	_	-	-	-	(203)		-	-	
	Load Group 4	General	Standard	74	97.587		27.030	-	-	19.245.500	108.106.350	5,460,280	48.613	-	-	19,245,500	5.460.280
	Load Group 4	General	Non-standard	-	-		-	-	-	-	-	-	-	-	-	-	-
	Load Group 5	General	Standard	7	46,799		2,535	-	-	7,897,000	49,978,015	2,361,980	8,167	-	-	7,897,000	2,361,980
	Load Group 5	General	Non-standard	-	-		-	-	-	_	-	-	-	-	-	-	-
	Street Lighting	General	Standard	2	6,204		730	-	-	-	-	-	-	730	-	-	-
	DUML, excl Street Lighting	General	Standard	-	4		-	-	3,614	-	-	-	-	-	3,614	-	-
	Distributed Generation (Large)	General	Non-standard	1	-		=	-	-	=	-	-	-	-	-	-	-
	Add extra rows for additional co.	nsumer groups or price category co															
			Standard consumer totals	55,876	783,913		20,394,637	-	408,725,359	119,408,875	252,569,175	24,509,738	56,517	90,498	408,725,359	119,408,478	24,509,738
			Non-standard consumer totals	1	-		-	-	-	-	-	-	-	-	-		-
			Total for all consumers	55,877	783,913		20,394,637	-	408,725,359	119,408,875	252,569,175	24,509,738	56,517	90,498	408,725,359	119,408,478	24,509,738

															Network / Sub	For Year Ended Network Name		31 March 20 redin Sub-ne
	D QUANTITIES AND LI			formation is also required on th	he number of ICPs that are inclu	ded in each consume	er group or price category c	ode, and the energy	delivered to these IC	Ps.								
ne Charge Revenues (\$	000) by Price Component							Line charge reven	es (\$000) by price (	component								
							Price component	Fixed (Distribution)	Fixed (Distribution)	Energy Delivery (Distribution)	Capacity (Distribution)	Capacity - Distance (Distribution)	Control Period Demand (Distribution)	Transformer Lease, Other Charges & Rebates (Distribution)	Fixed (Transmission)	Energy Delivery (Transmission)	Capacity (Transmission)	Control Period Demand (Transmission)
Consumer group name or pric category code	Consumer type or types (eg, residential, commercial etc.)	Standard or non-standard consumer group (specify)	Total line charge revenue in disclosure year	Notional revenue foregone from posted discounts (if applicable)	Total distribution line charge revenue	Total transmission line charge revenue (if available)	Rate (eg, \$ per day, \$ per kWh, etc.	\$ / annum	\$ / Lamp	\$ / kWh	\$ / kVA	\$ / kVA x km	\$/kW	\$ / kVA	\$ / annum	\$ / kWh	\$ / kVA	\$ / kW
Residential	Residential	Standard	\$32,780	1	\$26,693	\$6.087	1	\$2.658	-	\$24.035	-	-		-	-	\$6.087		
Load Group 0	General	Standard	\$18		\$16	\$0,007		\$1,030	-	-	-	-	-	-	\$2		-	-
Load Group 0A	General	Standard	\$63	-	\$53	\$9		\$53	-	-	-	-	-	-	\$9	-	-	-
Load Group 1A	General	Standard	\$148	-	\$128	\$20		\$6	-	-	\$71	-	\$51	-	-	-	(\$14)	\$3
Load Group 1	General	Standard	\$2,339		\$1,832	\$507		\$46	-	-	\$841		\$945	-	-	-	(\$129)	\$63
Load Group 2	General	Standard	\$8,264		\$7,285	\$979		\$106	-	-	\$3,913	-	\$3,266		-	-	(\$1,216)	\$2,19
Load Group 2	General	Non-standard	-	-	-	-	_	-	-	-	-	-		-	-	-	-	
Load Group 3 Load Group 3	General General	Standard Non-standard	\$1,632		\$1,417	\$215		\$64	-	-	\$817	\$45	\$491	-	-	-	(\$258)	\$47
Load Group 3A	General	Standard	\$2,382		\$1,951	\$431	-	\$56	-		\$1.027					-	(\$353)	\$78
Load Group 3A	General	Non-standard	\$2,362 -		-	-	-	-	-	_	-	-	-	(23)	-	_	(\$555)	-
Load Group 4	General	Standard	\$4,025	-	\$2,855	\$1,170		\$115	-	-	\$1.055	\$119	\$1.165	\$401	-	-	(\$158)	\$1.32
Load Group 4	General	Non-standard	_	-	-	-		-	-	-	-	-	-	-		-	-	-
Load Group 5	General	Standard	\$1,237	-	\$739	\$498		\$11	-	-	\$287	\$55	\$316	\$70	-	-	(\$77)	\$57
Load Group 5	General	Non-standard	-	-	-	-		-	-	-	-	-	-	-	-	-	-	-
Street Lighting	General	Standard	\$453		\$414	\$40		\$414	-	-	-	-		-	\$40		-	-
DUML, excl Street Lighting	General	Standard	\$0		\$0	\$0		\$0	-	\$0		-	-	-	-	\$0		
Distributed Generation (Large)		Non-standard	\$131	-	\$131	-		\$131	-	-	-	-		-	-	-	-	-
Add extra rows for additional c	nsumer groups or price category co	des as necessary Standard consumer totals	\$53,343		\$43,384	\$9,959	1	\$3.545	-	\$24.035	\$8,011	\$278	\$7,047	\$469	\$51	\$6,087	(\$2,203)	\$6.02
		Non-standard consumer totals	\$53,343		\$43,384 \$131	29,929		\$3,545	-	\$24,035	\$8,011	-	\$7,047	5469	-	\$6,087	(\$2,203)	\$0,02
		Total for all consumers	\$53,474		\$43,515	\$9,959		\$3,676	-	\$24,035	\$8,011							\$6,02
							-						÷.,=				(+=/===/	
lumber of ICPs directly	hillod				Check	OK	1											

															Company Name For Year Ended -Network Name		ora Energy Li 31 March 20 to and Wanak
	LE 8: REPORT ON BILLE requires the billed quantities and ass				mation is also required on	the number of ICPs that are included in each consumer group or price category code,	, and the energy de	livered to these IC	Ps.								
i):	Billed Quantities by Price	Component															
						Bill	illed quantities by p	price component								1	
						Price component	Fixed (Distribution)	Fixed (Distribution)	Energy Delivery (Distribution)	Capacity (Distribution)	Capacity - Distance (Distribution)	Control Period Demand (Distribution)	Transformer Lease, Other Charges & Rebates (Distribution)	Fixed (Transmission)	Energy Delivery (Transmission)	Capacity (Transmission)	Control Period Demand (Transmission)
	Consumer group name or pric category code	e Consumer type or types (eg, residential, commercial etc.)	Standard or non-standard consumer group (specify)	Er Average no. of ICPs in disclosure year	nergy delivered to ICPs in disclosure year (MWh)	Unit charging basis (eg. days, kW of demand, kVA of capacity, etc.)	LS	Lamp	kWh	kva	kVA x km	kW	kVA	LS	kWh	kVA	kW
	Residential	Residential	Standard	17.180	121,656		6.288.021	-	121.656.446	-	-	-	- 1	-	121.656.446	-	-
	Load Group 0	General	Standard	106	20		38,949	-	-	-	-	-	-	38,949	-	-	-
	Load Group 0A	General	Standard	356	869		130,400	-	-	-	-	-	-	-	-	-	-
	Load Group 1A	General	Standard	313	988		114,709	-	_	915,168	_	117,437	-	-	-	915,168	117,43
	Load Group 1	General	Standard	1,749	12,158		640,286	-	-	9,578,055	-	1,409,577	-	-	-	9,578,055	1,409,57
	Load Group 2	General	Standard	1,931	69,973		706,707	-	-	36,029,414	-	4,063,241	(385)	-	-	36,029,414	4,063,24
	Load Group 2 Load Group 3	General	Non-standard Standard	0	132		36	-		5.922.816	186 655 515	- 958.867	(140)		-	5.922.816	958.86
	Load Group 3	General	Non-standard	87	498		24	-		3,522,810	180,033,313	538,807	(140)		_	3,322,010	538,80
	Load Group 3A	General	Standard	51	20.183		18,784	-	-	5.572.538	164,468,087	813.129	(280)	-	-	5,572,538	813.12
					1,398		24	-	-	-	-	-	-	-	-	-	-
	Load Group 3A	General	Non-standard	0						9.792.600	359.527.034	1.403.200	22,042	-	-	9,792,600	1,403,20
	Load Group 3A Load Group 4	General General	Non-standard Standard	0 38	31,102		13,993	-	-	9,792,000	359,527,034						
	Load Group 4 Load Group 4		Standard Non-standard	0 38 -	31,102		13,993	-		-	-	-	-	-	-	-	-
	Load Group 4 Load Group 4 Load Group 5	General General General	Standard Non-standard Standard	- 1	31,102		13,993 - 366	-		- 912,500	- 60,133,750	- 38,325	-	-	-	912,500	38,32
	Load Group 4 Load Group 4 Load Group 5 Load Group 5	General General General General	Standard Non-standard Standard Non-standard	-	31,102 - 8,633 -		13,993 - 366 -	-	1 1 1	- 912,500 -	- 60,133,750 -				-	912,500	38,32
	Load Group 4 Load Group 4 Load Group 5 Load Group 5 Street Lighting	General General General General General	Standard Non-standard Standard Non-standard Standard	- 1 - 5	31,102 - 8,633 - 1,186		13,993 - 366 - -	- - 1,630,045	1,186,102	- 912,500 - -	- 60,133,750 - -	- 38,325 - -		-		912,500 - -	38,32 - -
	Load Group 4 Load Group 5 Load Group 5 Load Group 5 Street Lighting DUML, excl Street Lighting	General General General General General General	Standard Non-standard Standard Non-standard Standard Standard Standard	- 1 - 5 -	31,102 - 8,633 - 1,186 -		13,993 	- - 1,630,045 -	- - 1,186,102 -	- 912,500 - - -	- 60,133,750 - - -				- - 1,186,102 -	912,500 - - -	38,32  
	Load Group 4 Load Group 5 Load Group 5 Street Lighting DUML, excl Street Lighting DUML, excl Street Lighting	General General General General General General General	Standard Non-standard Standard Non-standard Standard Standard Non-standard	- 1 - 5	31,102 - 8,633 - 1,186		13,993 - 366 - - - -	- - 1,630,045 - -	- - 1,186,102 - 2,426	- 912,500 - - - -	- 60,133,750 - - - -			-	- - 1,186,102 - -	912,500 - -	38,32 - -
	Load Group 4 Load Group 5 Load Group 5 Street Lighting DUML, excl Street Lighting DUML, excl Street Lighting	General General General General General General	Standard Non-standard Non-standard Standard Standard Standard Non-standard kes os necessory	- 1 - 5 - 9	31,102     2,426		13,993 - 366 - - - - - 0	- - 1,630,045 - - 0	 	912,500 	- 60,133,750 - - - - 0	- 38,325 - - - - - 0	- - - - - 0	- - - - - 0	- - 1,186,102 - - 0	912,500  - - - 0	38,32   
	Load Group 4 Load Group 5 Load Group 5 Street Lighting DUML, excl Street Lighting DUML, excl Street Lighting	General General General General General General General	Standard Non-standard Standard Non-standard Standard Standard Non-standard	- 1 - 5 -	31,102 - 8,633 - 1,186 -		13,993 - 366 - - - -	- - 1,630,045 - -	- - 1,186,102 - 2,426	- 912,500 - - - -	- 60,133,750 - - - -				- - 1,186,102 - - 0	912,500 - - - -	38,32  

uires the billed quantities and ass		NE CHARGE REVENU a price category code used by the B	IES EDB in its pricing schedules. Information is also required on	n the number of ICPs that are	included in each consu	mer group or price category of	code, and the energy	delivered to these I	CPs.					Network / Suc	p-Network Name	Central Otag	
ine Charge Revenues (\$	000) by Price Component						Line charge reven	ues (\$000) by price	component								
						Price componen	t Fixed (Distribution)	Fixed (Distribution)	Energy Delivery (Distribution)	Capacity (Distribution)	Capacity - Distance (Distribution)	Control Period Demand (Distribution)	Transformer Lease, Other Charges & Rebates (Distribution)	Fixed (Transmission)	Energy Delivery (Transmission)	Capacity (Transmission)	Control Period Demand (Transmission)
Consumer group name or pric category code	ce Consumer type or types (eg, residential, commercial etc.)	Standard or non-standard consumer group (specify)	Notional revenue Total line charge revenue foregone from posted in disclosure year discounts (if applicable)	Total distribut line charge revenue	Total transmissio on line charge revenue (if available)	on Rate (eg, \$ per day, \$ pe kWh, etc		\$ / Lamp	\$ / kWh	\$ / kVA	\$ / kVA x km	\$ / kW	S / KVA	\$ / annum	\$ / kWh	\$ / kVA	\$ / kW
Residential	Residential	Standard	\$15.579 -	\$17.	53 (\$1.67	<b>A</b>	\$937	-	\$16.316	-	- 1		- 1	-	(\$1.674)	-	
Load Group 0	General	Standard	\$13,375 -		26 (\$1,07		\$26		-	_	_		-	(\$9)		_	
Load Group 0A	General	Standard	\$101 -	S			\$166	-	-	-	-	-	-	(\$65)	-	-	-
Load Group 1A	General	Standard	\$152 -	s			\$5	-	-	\$95	-	\$70	-	-	-	(\$37)	\$1
Load Group 1	General	Standard	\$1,446 -	\$1,	86 (\$34	0)	\$30	-	-	\$917	-	\$838	(\$0)	-	-	(\$574)	\$23
Load Group 2	General	Standard	\$4,787 -	\$5,	65 (\$27	7)	\$70	-	-	\$2,915	-	\$2,085	(\$5)	-	-	(\$937)	\$65
Load Group 2	General	Non-standard					-	-	-	-	-	-	-	-	-	-	-
Load Group 3	General	Standard	\$1,338 -	\$1,			\$60		-	\$575	\$243	\$533		-	-	(\$203)	\$13
Load Group 3	General	Non-standard					-	-	-	-	-	-	-	-	-	-	-
Load Group 3A	General	Standard	\$1,093 -	\$1,			\$35		-	\$477	\$214	\$450		-	-	(\$191)	\$11
Load Group 3A	General	Non-standard		52			- 569	-	-	- \$683	- \$467	- \$693	- \$183	-	-	(\$344)	\$19
Load Group 4 Load Group 4	General General	Standard Non-standard	\$1,942 -	\$2)			\$69	-		\$683	\$467	\$693	\$183	-	-	(\$344)	\$19
Load Group 5	General	Standard	<u></u>	s						\$56	578	\$19				(\$32)	
Load Group 5	General	Non-standard					-	_	-	-	-	-	-		_	(\$32)	-
Street Lighting	General	Standard	\$115 -	s			-	\$61			-	-	-	-	(\$6)	-	-
DUML, excl Street Lighting	General	Standard													19-1		
Distributed Generation (Large)	General	Non-standard	\$489 -	ş	89 -		\$489	-	-	-	-	-	-	-	-	-	-
Add extra rows for additional of	consumer groups or price category co	des as necessary															
		Standard consumer totals		\$29,		9)	\$1,401		\$16,376	\$5,718	\$1,002	\$4,687	\$173	(\$74	(\$1,679)	(\$2,317)	\$1,35
		Non-standard consumer totals	\$489 -	\$			\$489		-	-	-	-	-	-	-	-	-
		Total for all consumers	\$27,187 -	\$29,	06 (\$2,71	9)	\$1,889	\$61	\$16,376	\$5,718	\$1,002	\$4,687	\$173	(\$74	(\$1,679)	(\$2,317)	\$1,35

															For Year Ended Network Name		31 March 202 Instown Sub-r	
		D QUANTITIES AND LI			tion is also required on t	e number of ICPs that are included in each consumer group or price category co	ode, and the energy d	lelivered to these IC	Ps.									
(i): E	Billed Quantities by Price	Component																
							Billed quantities by	price component										
						Price component	t Fixed (Distribution)	Fixed (Distribution)	Energy Delivery (Distribution)	Capacity (Distribution)	Capacity - Distance (Distribution)	Control Period Demand (Distribution)	Transformer Lease, Other Charges & Rebates (Distribution)	Fixed (Transmission)	Energy Delivery (Transmission)	Capacity (Transmission)	Control Period Demand (Transmission)	
	Consumer group name or price category code	Consumer type or types (eg, residential, commercial etc.)	Standard or non-standard consumer group (specify)		rgy delivered to ICPs n disclosure year (MWh)	Unit charging basis (eg, days, kW of demand, kVA of capacity, etc.)	LS	Lamp	kWh	kVA	kVA x km	kW	kVA	LS	kWh	kVA	kW	9
	Residential	Residential	Standard	10 908	97 957				97 957 420	-	-	1		-	97 957 420	_	-	
							3 981 477	_										
	Load Group 0	General	Standard	10,908	97,957		3,981,477 38,211		97,957,420	-			-	38,211	-	-		7
		General General										-				-		
	Load Group 0		Standard	105	30		38,211	-	-	-	-		-	38,211			-	
	Load Group 0 Load Group 0A Load Group 1A Load Group 1	General General General	Standard Standard	105 206 178 1,065	30 571 536 8,169		38,211 75,131 65,095 388,828	-	-	- - 520,760 5,832,420		- 70,920 1,259,843		38,211	-	- 520,760 5,832,420	-	0
	Load Group 0 Load Group 0A Load Group 1A Load Group 1 Load Group 2	General General General General	Standard Standard Standard Standard Standard	105 206 178 1,065 1,694	30 571 536 8,169 58,891		38,211 75,131 65,095 388,828 618,209					- 70,920 1,259,843 4,888,107	- - - - (126)	38,211 - - -		- 520,760 5,832,420 28,798,198	- - 70,92 1,259,84 4,888,10	0
	Load Group 0 Load Group 0A Load Group 1A Load Group 1 Load Group 2	General General General General General	Standard Standard Standard Standard Standard Non-standard	105 206 178 1,065 1,694	30 571 536 8,169 58,891 -		38,211 75,131 65,095 388,828 618,209 -						- - - (126) -	38,211 - - - - -		- 520,760 5,832,420 28,798,198 -	- 70,92) 1,259,84: 4,888,10 -	0 3 7
	Load Group 0 Load Group DA Load Group 1A Load Group 1 Load Group 2 Load Group 2 Load Group 3	General General General General General General	Standard Standard Standard Standard Standard Non-standard Standard Standard	105 206 178 1,065 1,694 - 29	30 571 536 8,169 58,891 - 8,486		38,211 75,131 65,095 388,828 618,209 - 10,704		- - - - - - -			- 70,920 1,259,843 4,888,107	- - - (126) -	38,211 - - - - - - -		- 520,760 5,832,420 28,798,198 - 2,222,512	- 70,921 1,259,84: 4,888,10' - 591,00'	0 3 7 5
	Load Group 0 Load Group 0A Load Group 1A Load Group 1 Load Group 2 Load Group 2 Load Group 3 Load Group 3	General General General General General	Standard Standard Standard Standard Standard Non-standard Standard Non-standard	105 206 178 1,065 1,694	30 571 536 8,169 58,8169 - 8,486 -		38,211 75,131 65,095 388,828 618,209 - - 10,704 -						- - (126) - - -	38,211 - - - - -		- 520,760 5,832,420 28,798,198 - 2,222,512 -		0 3 7 5
	Load Group 0 Load Group DA Load Group 1A Load Group 1 Load Group 2 Load Group 2 Load Group 3	General General General General General General General	Standard Standard Standard Standard Standard Non-standard Standard Standard	105 206 178 1.065 1.694 - 29 -	30 571 536 8,169 58,891 - 8,486		38,211 75,131 65,095 388,828 618,209 - 10,704	- - - - - - - - - -					- - (126) - - -	38,211 - - - - - - -	-	- 520,760 5,832,420 28,798,198 - 2,222,512	- 70,921 1,259,84: 4,888,10' - 591,00'	0 3 7 5
	Load Group D Load Group DA Load Group IA Load Group I Load Group 2 Load Group 2 Load Group 3 Load Group 3 Load Group 3A	General General General General General General General General	Standard Standard Standard Standard Standard Non-standard Standard Non-standard Standard Standard	105 206 178 1,065 1,694 - 29 - 33	30 571 536 8,169 58,891 - - 8,486 - 11,876		38,211 75,131 65,095 388,828 618,209 - - 10,704 - 12,060	- - - - - - - - - -		- - 520,760 5.832,420 28,798,198 - 2,222,512 - 3,954,736			- - - (126) - - - - -	38,211        		- 520,760 5,832,420 28,798,198 - 2,222,512 - 3,954,736	- 70,921 1,259,841 4,888,10 - 591,002 - 980,791	0 3 7 5 8
	Load Group D Load Group JA Load Group JA Load Group J Load Group 2 Load Group 2 Load Group 3 Load Group 3 Load Group 3 Load Group 3A Load Group 3A Load Group 3A Load Group 3A Load Group 4	General General General General General General General General General	Standard Standard Standard Standard Standard Non-standard Standard Non-standard Non-standard Non-standard Non-standard	105 206 178 1065 1.664 - - 29 - 33 - 33 -	30 571 536 8,169 58,891 - - 8,486 - 11,876 -		38,211 75,131 65,095 388,828 618,209 - - 10,704 - - 12,060 -	- - - - - - - - - - - - - -				- 70,920 1,259,843 4,888,107 - 591,005 - 980,798 -	- - (126) - - - - -	38,211        				0 3 7 5 8
	Load Group 0           Load Group 1A           Load Group 1           Load Group 1           Load Group 1           Load Group 2           Load Group 3           Load Group 3           Load Group 3A           Load Group 4A           Load Group 4           Load Group 4           Load Group 4	General General General General General General General General General General General General General General	Standard Standard Standard Standard Standard Non-standard Non-standard Non-standard Non-standard Standard Standard Standard Standard	105 206 178 1065 1.664 - - 29 - 33 - 33 -	30 571 536 8,169 58,891 - - - 3,486 - - - 3,1,876 - - 3,3,864 2,814		38,211 75,131 65,095 388,828 618,209 - - 10,704 - - 12,060 - - 9,117 334 334						- - - (126) - - - - - - - - - - - - - - - - - - -	38,211        				0 3 7 5 8
	Load Group 0 Load Group DA Load Group IA Load Group 1 Load Group 1 Load Group 2 Load Group 2 Load Group 3 Load Group 3 Load Group 3 Load Group 3 Load Group 4 Load Group 4 Load Group 4 Load Group 4 Load Group 5	General General General General General General General General General General General General	Standard Standard Standard Standard Standard Non-standard Standard Standard Non-standard Standard Non-standard Standard Non-standard Standard Non-standard	105 206 178 1065 1.664 - - 29 - 33 - 33 -	30 571 536 8,169 - 11,876 - 3,882 3,364 2,814 5,615		38,211 75,131 65,095 			- 520,760 5,832,420 28,798,198 - 2,222,512 - 3,954,736 - 7,091,000 - 912,500 - -		- 70,920 1,259,843 - 591,005 - 980,798 - 980,798 - 2,281,580 - - 203,670	- - - - - - - - - - - - - - - - - - -	38,211 - - - - - - - - - - - -		- 520,760 5,832,420 28,798,198 - 2,222,512 - - 3,954,736 - 7,091,000 - 912,500 - -		0 3 7 5 8
	Los d'orea 0 Los d'orea 1A Los d'orea 1A Los d'orea 1 Los d'orea 2 Los d'orea 2 Los d'orea 3 Los d'orea 3 Los d'orea 3 Los d'orea 3 Los d'orea 4 Los d'orea 4 Los d'orea 4 Los d'orea 5 Los d'orea 5 Los d'orea 5 Los d'orea 5	General General General General General General General General General General General General General General General General General General	Standard Standard Standard Standard Standard Standard Standard Non-tandard Non-tandard Non-tandard Non-tandard Non-tandard Non-tandard Non-tandard Non-tandard Non-tandard Standard Non-tandard Standard	105 208 107 106 106 108 - - 33 - 33 - 25 1 1 1 1 5 5	30 571 536 8,169 - - 11,876 - 3,1,876 - 3,1,872 3,364 2,814 5,615 893		38,211 75,131 65,095 388,828 618,209 - 10,704 - - 9,117 334 334 - - -	- - - - - - - - - - - - - - - - - - -				- 70,920 1,259,843 4,888,107 - 591,005 - 980,798 - 2,281,580 - - 2,281,580 - - 2,03,670 - - - - 2,03,670 - - - - - - - - - - - - -	- - - - - - - - - - - - - - - - - - -	38,211 - - - - - - - - - - - - - - - - - -	- - - - - - - - - - - - - - - - - - -			0 3 7 5 8 0
	Lond Group D           Lond Group DA           Lond Group IA           Lond Group IA     <	Conversi Con	Standard Standard Standard Standard Standard Non-standard Standard Non-standard Standard Non-standard Standard Non-standard Standard Non-standard Standard Standard Standard Standard Standard Standard	105 206 107 106 1065 - - - - 28 - - 28 - - 25 - 1 - 1 1 1 1 5 -	30 571 536 8,189 - - - - - - - - - - - - - - - - - - -		38,211 75,131 65,057 388,828 618,209 	- - - - - - - - - - - - - - - - - - -					- - - - - - - - - - - - - - - - - - -	38,211 - - - - - - - - - - - - - - - - - -				0 3 7 5 8 0 0
	Los Group D Los Group DA Los Group DA Los Group DA Los Group 2 Los Group 2 Los Group 3 Los Group 3 Los Group 3 Los Group 3 Los Group 3 Los Group 4 Los Group 4 Los Group 4 Los Group 4 Los Group 5 Los Group 5 Sarret Lyhling DUM, wa Street Lyhling DUM, wa Street Lyhling	Control Contro	Standard Standard Standard Standard Standard Non-tandard Non-tandard Non-tandard Non-tandard Non-tandard Standard Non-tandard Standard Non-tandard	105 208 107 106 106 106 - - - - - - - - - - - - - - - - - - -	30 571 536 8,169 - - 11,876 - 3,1,876 - 3,1,872 3,364 2,814 5,615 893		38,211 75,131 65,095 388,828 618,209 - 10,704 - - 9,117 334 334 - - -	- - - - - - - - - - - - - - - - - - -				- 70,920 1,259,843 4,888,107 - 591,005 - 980,798 - 2,281,580 - - 2,281,580 - - 2,03,670 - - - - 2,03,670 - - - - - - - - - - - - -	- - - - - - - - - - - - - - - - - - -	38,211 - - - - - - - - - - - - - - - - - -	- - - - - - - - - - - - - - - - - - -			0 3 7 5 8 0 0
	Los Group D Los Group DA Los Group DA Los Group DA Los Group 2 Los Group 2 Los Group 3 Los Group 3 Los Group 3 Los Group 3 Los Group 3 Los Group 4 Los Group 4 Los Group 4 Los Group 4 Los Group 5 Los Group 5 Sarret Lyhling DUM, wa Street Lyhling DUM, wa Street Lyhling	Conversi Con	Standard Standard Standard Standard Standard Mon-tandard Standard Non-tandard Standard Non-tandard Standard Non-tandard Standard Non-tandard Standard	105 206 107 106 - - - - - - - - - - - - 25 1 1 - 1 5 - 1 1 - - - 2 2 - - - - - - - - - - - -	50 571 516 8,169 - - 8,486 - - 11,876 - 3,364 2,814 5,615 873 - - 821		38,211 75,131 65,059 388,828 618,209 - - 9,117 334 334 - - - -						- - - - - - - - - - - - - - - - - - -	38,211 - - - - - - - - - - - - - - - - - -	- - - - - - - - - - - - - - - - - - -			0 3 7 5 8 0 0
	Los Group D Los Group DA Los Group DA Los Group DA Los Group 2 Los Group 2 Los Group 3 Los Group 3 Los Group 3 Los Group 3 Los Group 3 Los Group 4 Los Group 4 Los Group 4 Los Group 4 Los Group 5 Los Group 5 Sarret Lyhling DUM, wa Street Lyhling DUM, wa Street Lyhling	Control Contro	Standard Standard Standard Standard Standard Non-tandard Non-tandard Non-tandard Non-tandard Non-tandard Standard Non-tandard Standard Non-tandard	105 206 107 106 1065 - - - - 28 - - 28 - - 25 - 1 - 1 1 1 1 5 -	30 571 536 8,189 - - - - - - - - - - - - - - - - - - -		38,211 75,131 65,057 388,828 618,209 	- - - - - - - - - - - - - - - - - - -					- - - - - - - - - - - - - - - - - - -	38,211 - - - - - - - - - - - - - - - - - -				0 3 7 5 8 0 0

		price caregory code used by the El	up in its pricing schedules. Infor	mation is also required o	n the number of KLPs that are it	cruded in each consun	ner group or price category (	oue, and the energy	denvered to these IC	P3.								
Consumer group name or price C	, by Frice component																	
								Line charge reven	ues (\$000) by price (	omponent								
							Price componen	Ened	Fixed (Distribution)	Energy Delivery (Distribution)	Capacity (Distribution)	Capacity - Distance (Distribution)	Control Period Demand (Distribution)	Transformer Lease, Other Charges & Rebates (Distribution)	Fixed (Transmission)	Energy Delivery (Transmission)	Capacity (Transmission)	Control Perio Demand (Transmission
	Consumer type or types (eg, residential, commercial etc.)	Standard or non-standard consumer group (specify)		Notional revenue foregone from posted liscounts (if applicable)	Total distributio line charge revenue	Total transmission in line charge revenue (if available)	n Rate (eg, \$ per day, \$ pe kWh, etc.		\$ / Lamp	\$ / kWh	\$/kVA	\$ / kVA x km	\$/kW	\$ / kVA	\$ / annum	\$ / kWh	\$ / kVA	\$ / kW
Residential Res	esidential	Standard	\$9,423	-	58.0	9 \$1.384	1	\$593	-	\$7.446	-	- 1	-	- 1	-	\$1.384	- 1	
.oad Group 0 Ger	eneral	Standard	\$22	-	S	.6 \$6		\$16	-	-	-	-	-	-	\$6	-	-	-
.oad Group 0A Ger	eneral	Standard	\$86	-	\$5	i8 \$28		\$58	-	-	-	-	-	-	\$28	-	-	-
.oad Group 1A Ger	eneral	Standard	\$52	-	\$4			\$3		-	\$28	-	\$18	-	-	-	(\$10)	\$
	eneral	Standard	\$758	-	\$63			\$16		-	\$293	-	\$318	-	-	-	(\$109)	\$2
	eneral	Standard	\$3,948	-	\$3,3			\$40	-	-	\$1,789	-	\$1,506	(\$2)	-	-	(\$498)	\$1,1
	eneral	Non-standard	-	-	-			-	-	-	-	-		-	-	-	-	
	eneral	Standard Non-standard	\$504		\$40			\$17	-		\$308	\$27	\$110	-	-	-	(\$38)	\$
	eneral	Standard	\$827		57		-	519		_	\$502	- \$55			-		(\$68)	\$1
	eneral	Non-standard	-		-		-	-		_	-	333	3104	_	_		(506)	31
	eneral	Standard	\$1,547	-	\$1,2			\$36	-	-	\$482	\$70	\$484	\$163	-	-	(\$3)	\$3
	eneral	Non-standard	\$130	-	\$			\$75	-	-	-	-	-	-	\$55	-	-	-
	eneral	Standard	\$88	-	\$1			\$1	-	-	\$12	\$1	\$25	\$21	-	-	(\$0)	\$
	eneral	Non-standard	\$204	-	\$8			\$88		-	-	-	-	-	\$116	-	-	-
	eneral	Standard	\$52	-	\$5			-	\$39		-	-	-	-	-	\$2	-	
	eneral	Standard	-	-	-			-	-	-	-	-	-	-	-	-	-	-
101	eneral	Standard	-	-	-	-		-	-	-	-	-	-	-	-	-	-	
Add extra rows for additional consum	mer groups or price category cod		647.575				-			63.000			63.555			A4	(0707)	
		Standard consumer totals Non-standard consumer totals	\$17,307 \$334	-	\$14,68			\$798 \$163		\$7,457	\$3,414	\$154	\$2,644	\$183	\$34 \$171	\$1,386	(\$727)	\$1,9
		Non-standard consumer totals Total for all consumers	\$334 \$17,641		\$14.85			\$163			\$3,414	- \$154	\$2,644	\$183		\$1,386	(\$727)	\$1,9
		rotar for all consumers	\$17,041		\$14,0.	32,785	-	\$301	235	\$7,437	\$3,414	\$134	\$2,044	\$103	3204	\$1,360	(\$727)	\$1,5

Company Name	Aurora Energy Limited
For Year Ended	31 March 2021
Network / Sub-network Name	Total Network

sch ref

8	Voltage	Asset category	Asset class	Units	Items at start of year (quantity)	Items at end of year (quantity)	Net change	Data accuracy (1–4)
9	All	Overhead Line	Concrete poles / steel structure	No.	27,329	28,150	821	4
10	All	Overhead Line	Wood poles	No.	26,615	25,757	(858)	4
11	All	Overhead Line	Other pole types	No.	1		(1)	3
12	HV	Subtransmission Line	Subtransmission OH up to 66kV conductor	km	524	524	(0)	4
13	HV	Subtransmission Line	Subtransmission OH 110kV+ conductor	km			-	N/A
14	HV	Subtransmission Cable	Subtransmission UG up to 66kV (XLPE)	km	28	34	7	3
15	HV	Subtransmission Cable	Subtransmission UG up to 66kV (Oil pressurised)	km	25	25	-	3
16	HV	Subtransmission Cable	Subtransmission UG up to 66kV (Gas pressurised)	km	22	16	(6)	3
17	HV	Subtransmission Cable	Subtransmission UG up to 66kV (PILC)	km	11	11	-	3
18	HV	Subtransmission Cable	Subtransmission UG 110kV+ (XLPE)	km			-	N/A
19	HV	Subtransmission Cable	Subtransmission UG 110kV+ (Oil pressurised)	km			-	N/A
20	HV	Subtransmission Cable	Subtransmission UG 110kV+ (Gas Pressurised)	km			-	N/A
21	HV	Subtransmission Cable	Subtransmission UG 110kV+ (PILC)	km			-	N/A
22	HV	Subtransmission Cable	Subtransmission submarine cable	km			-	N/A
23	HV	Zone substation Buildings	Zone substations up to 66kV	No.	35	35	-	4
24	HV	Zone substation Buildings	Zone substations 110kV+	No.			-	N/A
25	HV	Zone substation switchgear	50/66/110kV CB (Indoor)	No.			-	N/A
26	HV	Zone substation switchgear	50/66/110kV CB (Outdoor)	No.	14	14	-	4
27	HV	Zone substation switchgear	33kV Switch (Ground Mounted)	No.			-	N/A
28	HV	Zone substation switchgear	33kV Switch (Pole Mounted)	No.	150	144	(6)	4
29	HV	Zone substation switchgear	33kV RMU	No.		1	1	4
30	HV	Zone substation switchgear	22/33kV CB (Indoor)	No.	9	9	-	4
31	HV	Zone substation switchgear	22/33kV CB (Outdoor)	No.	48	49	1	4
32	HV	Zone substation switchgear	3.3/6.6/11/22kV CB (ground mounted)	No.	332	334	2	4
33	HV	Zone substation switchgear	3.3/6.6/11/22kV CB (pole mounted)	No.	21	22	1	4
34	HV	Zone Substation Transformer	Zone Substation Transformers	No.	66	67	1	4
35	HV	Distribution Line	Distribution OH Open Wire Conductor	km	2,295	2,289	(6)	4
36	HV	Distribution Line	Distribution OH Aerial Cable Conductor	km			-	N/A
37	HV	Distribution Line	SWER conductor	km	9	9	-	4
38	HV	Distribution Cable	Distribution UG XLPE or PVC	km	679	715	36	3
39	HV	Distribution Cable	Distribution UG PILC	km	423	421	(2)	3
40	HV	Distribution Cable	Distribution Submarine Cable	km	1	1	-	4
41	HV	Distribution switchgear	3.3/6.6/11/22kV CB (pole mounted) - reclosers and sectionalisers	No.	46	54	8	4
42	HV	Distribution switchgear	3.3/6.6/11/22kV CB (Indoor)	No.	6	6	-	4
43	HV	Distribution switchgear	3.3/6.6/11/22kV Switches and fuses (pole mounted)	No.	6,615	6,678	63	4
44	HV	Distribution switchgear	3.3/6.6/11/22kV Switch (ground mounted) - except RMU	No.	581	553	(28)	3
45	HV	Distribution switchgear	3.3/6.6/11/22kV RMU	No.	782	834	52	3
46	HV	Distribution Transformer	Pole Mounted Transformer	No.	3,997	3,987	(10)	4
47	HV	Distribution Transformer	Ground Mounted Transformer	No.	3,137	3,206	69	4
48	HV	Distribution Transformer	Voltage regulators	No.	28	28	-	4
49	HV	Distribution Substations	Ground Mounted Substation Housing	No.	359	354	(5)	4
50	LV	LV Line	LV OH Conductor	km	1,041	1,040	(2)	4
51	LV	LV Cable	LV UG Cable	km	1,049	1,076	27	4
52	LV	LV Street lighting	LV OH/UG Streetlight circuit	km	1,061	1,064	3	4
53	LV	Connections	OH/UG consumer service connections	No.	92,989	94,261	1,272	4
54	All	Protection	Protection relays (electromechanical, solid state and numeric)	No.	856	803	(53)	4
55	All	SCADA and communications	SCADA and communications equipment operating as a single system	Lot	1	1	-	4
56	All	Capacitor Banks	Capacitors including controls	No	3	3	-	4
57	All	Load Control	Centralised plant	Lot	21	21	-	4
58	All	Load Control	Relays	No	2,280	2,286	6	2
59	All	Civils	Cable Tunnels	km			-	N/A

Company Name	Aurora Energy Limited
For Year Ended	31 March 2021
Network / Sub-network Name	Dunedin Sub-network

sch ref

8	Voltage	Asset category	Asset class	Units	Items at start of year (quantity)	Items at end of year (quantity)	Net change	Data accuracy (1–4)
9	All	Overhead Line	Concrete poles / steel structure	No.	17,490	17,815	325	4
10	All	Overhead Line	Wood poles	No.	11,897	11,568	(329)	4
11	All	Overhead Line	Other pole types	No.			-	3
12	HV	Subtransmission Line	Subtransmission OH up to 66kV conductor	km	144	144	-	4
13	HV	Subtransmission Line	Subtransmission OH 110kV+ conductor	km			-	N/A
14	HV	Subtransmission Cable	Subtransmission UG up to 66kV (XLPE)	km	7	14	6	3
15	HV	Subtransmission Cable	Subtransmission UG up to 66kV (Oil pressurised)	km	25	25	-	3
16	HV	Subtransmission Cable	Subtransmission UG up to 66kV (Gas pressurised)	km	22	16	(6)	3
17	HV	Subtransmission Cable	Subtransmission UG up to 66kV (PILC)	km	11	11	-	3
18	HV	Subtransmission Cable	Subtransmission UG 110kV+ (XLPE)	km			-	N/A
19	HV	Subtransmission Cable	Subtransmission UG 110kV+ (Oil pressurised)	km			-	N/A
20	HV	Subtransmission Cable	Subtransmission UG 110kV+ (Gas Pressurised)	km			-	N/A
21	HV	Subtransmission Cable	Subtransmission UG 110kV+ (PILC)	km			-	N/A
22	HV	Subtransmission Cable	Subtransmission submarine cable	km			-	N/A
23	HV	Zone substation Buildings	Zone substations up to 66kV	No.	21	21	_	4
24	HV	Zone substation Buildings	Zone substations 110kV+	No.			-	N/A
25	HV	Zone substation switchgear	50/66/110kV CB (Indoor)	No.			_	N/A
26	HV	Zone substation switchgear	50/66/110kV CB (Outdoor)	No.			_	4
27	HV	Zone substation switchgear	33kV Switch (Ground Mounted)	No.			_	N/A
28	HV	Zone substation switchgear	33kV Switch (Pole Mounted)	No.	81	75	(6)	4
29	HV	Zone substation switchgear	33kV RMU	No.			-	4
30	HV	Zone substation switchgear	22/33kV CB (Indoor)	No.	3	3	_	4
31	HV	Zone substation switchgear	22/33kV CB (Outdoor)	No.	18	18	-	4
32	HV	Zone substation switchgear	3.3/6.6/11/22kV CB (ground mounted)	No.	246	246	-	4
33	HV	Zone substation switchgear	3.3/6.6/11/22kV CB (pole mounted)	No.	210	210	-	4
34	HV	Zone Substation Transformer	Zone Substation Transformers	No.	34	34	-	4
35	HV	Distribution Line	Distribution OH Open Wire Conductor	km	728	726	(2)	4
36	HV	Distribution Line	Distribution OH Aerial Cable Conductor	km	720	720	-	N/A
37	HV	Distribution Line	SWER conductor	km	9	9	-	4
38	HV	Distribution Cable	Distribution UG XLPE or PVC	km	44	47	3	3
39	HV	Distribution Cable	Distribution UG PILC	km	277	276	(1)	3
40	HV	Distribution Cable	Distribution Submarine Cable	km	1	1	-	4
41	HV	Distribution switchgear	3.3/6.6/11/22kV CB (pole mounted) - reclosers and sectionalisers	No.	14	15	1	4
42	HV	Distribution switchgear	3.3/6.6/11/22kV CB (Indoor)	No.	6	6	-	4
43	HV	Distribution switchgear	3.3/6.6/11/22kV Switches and fuses (pole mounted)	No.	2.613	2.631	18	4
44	HV	Distribution switchgear	3.3/6.6/11/22kV Switch (ground mounted) - except RMU	No.	364	338	(26)	3
45	HV	Distribution switchgear	3.3/6.6/11/22kV RMU	No.	365	383	18	3
46	HV	Distribution Transformer	Pole Mounted Transformer	No.	1.682	1.673	(9)	4
47	HV	Distribution Transformer	Ground Mounted Transformer	No.	979	987	8	4
48	HV	Distribution Transformer	Voltage regulators	No.	2	2	-	4
49	HV	Distribution Substations	Ground Mounted Substation Housing	No.	359	354	(5)	4
50	LV	LV Line	LV OH Conductor	km	818	817	(1)	4
51	LV	LV Cable	LV UG Cable	km	290	297	(1)	4
52	LV	LV Street lighting	LV OH/UG Streetlight circuit	km	681	682	, 1	4
53	LV	Connections	OH/UG consumer service connections	No.	56,525	56,846	321	4
54	All	Protection	Protection relays (electromechanical, solid state and numeric)	No.	667	603	(64)	4
55	All	SCADA and communications	SCADA and communications equipment operating as a single system	Lot	1	1	(64)	4
55	All	Capacitor Banks	Capacitors including controls	No	3	3	-	4
50	All	Load Control	Centralised plant	Lot	18	18	-	4
57 58	All	Load Control	Relays	No	1,127	1,128	-	2
58 59	All	Civils	Cable Tunnels	km	1,127	1,128	-	N/A
55	201	Civila	Cable Formers	NII			-	11/75

Company Name	Aurora Energy Limited
For Year Ended	31 March 2021
Network / Sub-network Name	Central Otago and Wanaka Sub-network

sch ref

8	Voltage	Asset category	Asset class	Units	ltems at start of year (quantity)	Items at end of year (quantity)	Net change	Data accuracy (1–4)
9	All	Overhead Line	Concrete poles / steel structure	No.	8,349	8,803	454	4
10	All	Overhead Line	Wood poles	No.	11,473	11,007	(466)	4
11	All	Overhead Line	Other pole types	No.	1		(1)	3
12	HV	Subtransmission Line	Subtransmission OH up to 66kV conductor	km	301	301	(0)	4
13	HV	Subtransmission Line	Subtransmission OH 110kV+ conductor	km			-	N/A
14	HV	Subtransmission Cable	Subtransmission UG up to 66kV (XLPE)	km	8	8	0	3
15	HV	Subtransmission Cable	Subtransmission UG up to 66kV (Oil pressurised)	km			-	3
16	HV	Subtransmission Cable	Subtransmission UG up to 66kV (Gas pressurised)	km			-	3
17	HV	Subtransmission Cable	Subtransmission UG up to 66kV (PILC)	km	0	0	-	3
18	HV	Subtransmission Cable	Subtransmission UG 110kV+ (XLPE)	km			-	N/A
19	HV	Subtransmission Cable	Subtransmission UG 110kV+ (Oil pressurised)	km			-	N/A
20	HV	Subtransmission Cable	Subtransmission UG 110kV+ (Gas Pressurised)	km			-	N/A
21	HV	Subtransmission Cable	Subtransmission UG 110kV+ (PILC)	km			-	N/A
22	HV	Subtransmission Cable	Subtransmission submarine cable	km			-	N/A
23	HV	Zone substation Buildings	Zone substations up to 66kV	No.	9	9	_	4
24	HV	Zone substation Buildings	Zone substations 110kV+	No.	-		_	N/A
25	HV	Zone substation switchgear	50/66/110kV CB (Indoor)	No.			-	N/A
26	HV	Zone substation switchgear	50/66/110kV CB (Outdoor)	No.	14	14	-	4
27	HV	Zone substation switchgear	33kV Switch (Ground Mounted)	No.			-	N/A
28	HV	Zone substation switchgear	33kV Switch (Pole Mounted)	No.	50	50	_	4
29	HV	Zone substation switchgear	33kV RMU	No.	50	1	1	4
30	HV	Zone substation switchgear	22/33kV CB (Indoor)	No.		÷	-	4
31	HV	Zone substation switchgear	22/33kV CB (Outdoor)	No.	19	20	1	4
32	HV	Zone substation switchgear	3.3/6.6/11/22kV CB (ground mounted)	No.	46	48	2	4
33	HV	Zone substation switchgear	3.3/6.6/11/22kV CB (pole mounted)	No.	11	12	1	4
34	HV	Zone Substation Transformer	Zone Substation Transformers	No.	18	12	1	4
35	HV	Distribution Line	Distribution OH Open Wire Conductor	km	1.278	1.275	(4)	4
36	HV	Distribution Line	Distribution OH Aerial Cable Conductor	km	1,270	1,275	(+)	N/A
37	HV	Distribution Line	SWER conductor	km			_	4
38	HV	Distribution Cable	Distribution UG XLPE or PVC	km	446	472	26	3
39	HV	Distribution Cable	Distribution UG PILC	km	62	61	(1)	3
40	HV	Distribution Cable	Distribution Submarine Cable	km	02	01	(1)	4
41	HV	Distribution switchgear	3.3/6.6/11/22kV CB (pole mounted) - reclosers and sectionalisers	No.	24	25	1	4
42	HV	Distribution switchgear	3.3/6.6/11/22kV CB (Indoor)	No.	24	25		4
43	HV	Distribution switchgear	3.3/6.6/11/22kV Switches and fuses (pole mounted)	No.	3,106	3,141	35	4
44	HV	Distribution switchgear	3.3/6.6/11/22kV Switch (ground mounted) - except RMU	No.	93	91	(2)	3
45	HV	Distribution switchgear	3.3/6.6/11/22kV RMU	No.	203	223	20	3
46	HV	Distribution Transformer	Pole Mounted Transformer	No.	1.853	1.855	20	4
40	HV	Distribution Transformer	Ground Mounted Transformer	No.	1,348	1,395	47	4
48	HV	Distribution Transformer	Voltage regulators	No.	1,348	1,333	-	4
40 49	HV	Distribution Substations	Ground Mounted Substation Housing	No.	10	10	_	4
49 50	LV	LV Line	LV OH Conductor	km	177	177	- 0	4
50	LV	LV Cable	LV UG Cable	km	456	470	14	4
52	LV	LV Street lighting	LV OH/UG Streetlight circuit	km	239	241	2	4
52 53	LV	Connections	OH/UG consumer service connections	кm No.	239	241	597	4
53 54	All	Protection		NO.	21,905	122	597	4
54 55	All	SCADA and communications	Protection relays (electromechanical, solid state and numeric)	NO. Lot	111	122	-	4
			SCADA and communications equipment operating as a single system		1	1	-	4
56	All	Capacitor Banks	Capacitors including controls	No	2	2	-	4
57	All	Load Control	Centralised plant	Lot	685	687	-	2
58 59	All All	Load Control Civils	Relays Cable Tunnels	No	685	687	2	
59	All	Civiis	Cable runnels	km			-	N/A

Company Name	Aurora Energy Limited
For Year Ended	31 March 2021
Network / Sub-network Name	Queenstown Sub-network

sch ref

8	Voltage	Asset category	Asset class	Units	Items at start of year (quantity)	Items at end of year (quantity)	Net change	Data accuracy (1-4)
9	All	Overhead Line	Concrete poles / steel structure	No.	1,490	1,532	42	4
10	All	Overhead Line	Wood poles	No.	3,245	3,182	(63)	4
11	All	Overhead Line	Other pole types	No.		.,	-	3
12	HV	Subtransmission Line	Subtransmission OH up to 66kV conductor	km	79	79	-	4
13	HV	Subtransmission Line	Subtransmission OH 110kV+ conductor	km			-	N/A
14	HV	Subtransmission Cable	Subtransmission UG up to 66kV (XLPE)	km	12	12	-	3
15	HV	Subtransmission Cable	Subtransmission UG up to 66kV (Oil pressurised)	km			-	3
16	HV	Subtransmission Cable	Subtransmission UG up to 66kV (Gas pressurised)	km			-	3
17	HV	Subtransmission Cable	Subtransmission UG up to 66kV (PILC)	km			_	3
18	HV	Subtransmission Cable	Subtransmission UG 110kV+ (XLPE)	km			-	N/A
19	HV	Subtransmission Cable	Subtransmission UG 110kV+ (Oil pressurised)	km			_	N/A
20	HV	Subtransmission Cable	Subtransmission UG 110kV+ (Gas Pressurised)	km			-	N/A
21	HV	Subtransmission Cable	Subtransmission UG 110kV+ (PILC)	km			-	N/A
22	HV	Subtransmission Cable	Subtransmission submarine cable	km			-	N/A
23	HV	Zone substation Buildings	Zone substations up to 66kV	No.	5	5	-	4
24	HV	Zone substation Buildings	Zone substations 110kV+	No.	_		-	N/A
25	HV	Zone substation switchgear	50/66/110kV CB (Indoor)	No.			-	N/A
26	HV	Zone substation switchgear	50/66/110kV CB (Outdoor)	No.			-	4
27	HV	Zone substation switchgear	33kV Switch (Ground Mounted)	No.			-	N/A
28	HV	Zone substation switchgear	33kV Switch (Pole Mounted)	No.	19	19	-	4
29	HV	Zone substation switchgear	33kV RMU	No.			_	4
30	HV	Zone substation switchgear	22/33kV CB (Indoor)	No.	6	6	_	4
31	HV	Zone substation switchgear	22/33kV CB (Outdoor)	No.	11	11	_	4
32	HV	Zone substation switchgear	3.3/6.6/11/22kV CB (ground mounted)	No.	40	40	_	4
33	HV	Zone substation switchgear	3.3/6.6/11/22kV CB (pole mounted)	No.	10	10	_	4
34	HV	Zone Substation Transformer	Zone Substation Transformers	No.	14	14	_	4
35	HV	Distribution Line	Distribution OH Open Wire Conductor	km	289	288	(1)	4
36	HV	Distribution Line	Distribution OH Aerial Cable Conductor	km			-	N/A
37	HV	Distribution Line	SWER conductor	km			_	4
38	HV	Distribution Cable	Distribution UG XLPE or PVC	km	188	196	7	3
39	HV	Distribution Cable	Distribution UG PILC	km	84	83	(1)	3
40	HV	Distribution Cable	Distribution Submarine Cable	km			-	4
41	HV	Distribution switchgear	3.3/6.6/11/22kV CB (pole mounted) - reclosers and sectionalisers	No.	7	13	6	4
42	HV	Distribution switchgear	3.3/6.6/11/22kV CB (Indoor)	No.			-	4
43	HV	Distribution switchgear	3.3/6.6/11/22kV Switches and fuses (pole mounted)	No.	896	906	10	4
44	HV	Distribution switchgear	3.3/6.6/11/22kV Switch (ground mounted) - except RMU	No.	123	123	-	3
45	HV	Distribution switchgear	3.3/6.6/11/22kV RMU	No.	213	227	14	3
46	HV	Distribution Transformer	Pole Mounted Transformer	No.	462	459	(3)	4
47	HV	Distribution Transformer	Ground Mounted Transformer	No.	805	819	14	4
48	HV	Distribution Transformer	Voltage regulators	No.	8	8	-	4
49	HV	Distribution Substations	Ground Mounted Substation Housing	No.			-	4
50	LV	LV Line	LV OH Conductor	km	47	46	(1)	4
51	LV	LV Cable	LV UG Cable	km	297	303	6	4
52	LV	LV Street lighting	LV OH/UG Streetlight circuit	km	139	140	1	4
53	LV	Connections	OH/UG consumer service connections	No.	14,423	14,773	350	4
54	All	Protection	Protection relays (electromechanical, solid state and numeric)	No.	78	78	-	4
55	All	SCADA and communications	SCADA and communications equipment operating as a single system	Lot	1	1	-	4
56	All	Capacitor Banks	Capacitors including controls	No			-	4
57	All	Load Control	Centralised plant	Lot	1	1	-	4
58	All	Load Control	Relays	No	463	466	3	2
59	All	Civils	Cable Tunnels	km			-	N/A

		Company Name For Year Ended Network / Sub-network Name	Aurora Energy Limited 31 March 2021 Total Network
	on) of the assets that make up the network, by asset category and asset class. All units relating to cable and line assets, that are expressed in km, refer to circuit lengths.		
sch ref 8 Disclosure Year (year ended) 31 March 2021	Number of assets at disclosure year end by installation date		No. with Items at No. with

Voltage All	Asset category Overhead Line	Asset class Un Concrete poles / steel structure	No	15	8 1.609	6.23	30 4.541	3.038	1.70	101	74	1 12	4 154	140	66	111	176 18	3 163	114 1	4 349	542	444	737 6	33 955	2 251	1 486	1.036	1.037	<b>T</b>	T	<u>г г</u>		28.150	
All	Overhead Line		NO.	710 856												243	300 30		352 3						632		1,036	1,037		+	<b>⊢</b>		25,757	-
All			NO.	/10 850	5 1,529	6,27	4,551	3,361	2,91	30/	229	9 22	8 435	313	313	243	300 30	5 2/9	352 3	0 240	141	91	102 3	5 13	632	180	127	105		+	<b>⊢</b>		25,757	
HV	Overhead Line Subtransmission Line		km	71 3	67		17 74	38	1		-	-	-		0		6						2								r		524	
HV	Subtransmission Line		km	14 3	5 02		1/ /4	20		() (				-	0		0	-			0	*	3	2		1	v			+	+		-	
					-	-			_	-	-	-	-											1 1		10					r		- 24	N
HV	Subtransmission Cable		km		-		22	1		7	-	-		0	1	1	0	1 2	1	0 0	1	4		1 (	3	10		0		+	<b>⊢</b>		34	
HV	Subtransmission Cable		km		_	-	22	3			-	_	_					_												+	<b>⊢</b>		25	
HV	Subtransmission Cable		km		-	1	16		_		-	_																		+	<b>⊢</b>			-
HV	Subtransmission Cable		km		8		0	C	)	1 (		_	0 0	0	1		0	0		0										+	<b>⊢</b>		11	N
HV	Subtransmission Cable		km		_	_			_		-	_	_					_												+	<b>⊢</b>		-	
HV	Subtransmission Cable				_	_			_		-	_	_					_												+	<b>⊢</b>			N
HV	Subtransmission Cable		km		_	_			_		-	_	_					_												+	<b>⊢</b>			N
HV	Subtransmission Cable	Subturnamento of 110kv ( ( i.i.c.)	km			_			_																				_		+			N
HV	Subtransmission Cable	Subtransmission submarine cable	km			_			_																				_		+		-	N
HV	Zone substation Buildings	Zone substations up to 66kV	No.	1	1 4	-	3 8	7	1	4	1		-	1				-	1	1		1	1	1 1	. 1	1				+	<u> </u>		35	
HV	Zone substation Buildings	Zone substations 110kV+	No.		-	-	-	1	-					-				-		-					-						<u> </u>			N
HV	Zone substation switchgear	50/66/110kV CB (Indoor)	No.		-	1		1	1	-	-	-	_	1				-		-				-	1					+	<b>⊢</b>		-	N
HV	Zone substation switchgear	50/66/110kV CB (Outdoor)	No.											3						1			2	1		7					·		14	
HV	Zone substation switchgear		No.																												L		-	N
HV	Zone substation switchgear	33kV Switch (Pole Mounted)	No.		39	1	16 4	23	1	17 1				1		2		15		2		18		1		3		2			L		144	
HV	Zone substation switchgear	33kV RMU	No.																									1			L		1	
HV	Zone substation switchgear	22/35/4 CD (110007)	No.							6																3					L		9	
HV	Zone substation switchgear	22/33kV CB (Outdoor)	No.				5	7	1 1	10			1 1		3		3	4 1	2	3	2	3		1	. 1			2			L		49	
HV	Zone substation switchgear	3.3/6.6/11/22kV CB (ground mounted)	No.		46	i 3	38 62	24	1 1	26			11	17		10		8	19	0 12	2	10	6	5		16		2			L		334	
HV	Zone substation switchgear	3.3/6.6/11/22kV CB (pole mounted)	No.				2 3			2			4	2		4				1 1				1		1		1		1 1	1		22	3
HV	Zone Substation Transformer	Zone Substation Transformers	No.		4		12 12	6	5	6 1			1 3	1	1			1	2	4 1	2	1	1	2		2	1	3			1 1		67	
HV	Distribution Line	Distribution OH Open Wire Conductor	km	71 123	7 283	41	16 399	368	34	40 13	9	) 1	4 7	11	30	8	12	7 11	13	3 6	8	6	15	22 10	13	11	27	17			1 1		2,289	
HV	Distribution Line	Distribution OH Aerial Cable Conductor	km																												1 1		-	N
HV	Distribution Line	SWER conductor	km		6		2 0	1		0													0								1 1		9	
HV	Distribution Cable	Distribution UG XLPE or PVC	km				0 6	11		56 12	24	1 2	15 30	53	32	39	51 3	5 21	15	4 10	10	29	40	10 23	29	34	29	34			1 1		715	
HV	Distribution Cable	Distribution UG PILC	km	0 8	3 34	4	49 70	74	L (	57 6	7	7	9 13	6	9	12	15	5 8	9	7 5	3	4	1	1 (	-	0		-		1 1	1		421	
HV	Distribution Cable	Distribution Submarine Cable	km	1	1																									1	í l		1	4
HV	Distribution switchgear	3.3/6.6/11/22kV CB (pole mounted) - reclosers and sectionalisers	No.							2				2	4	2	4	7 7	1	1	3			8 1	3		1	8			1		54	4
HV	Distribution switchgear	3.3/6.6/11/22kV CB (Indoor)	No.		3		2													1											1		6	4
HV	Distribution switchgear	3.3/6.6/11/22kV Switches and fuses (pole mounted)	No.	1 20	) 88	55	57 535	685	1,11	17 131	127	7 14	15 162	181	137	158	142 14	3 153	156 10	4 108	114	116	172 14	19 132	221	286	265	313			1		6,678	
HV	Distribution switchgear	3.3/6.6/11/22kV Switch (ground mounted) - except RMU	No.		1		82 62	71		1 7	3	3 1	9 24	16	25	18	33 1	9 27	23	1 13	16	2	2	1 1	2	2	2				1		553	
HV	Distribution switchgear		No.				1 36	59	1	36 11	19	) 1	7 40	11	24	24	18 2	0 24	17	2 24	12	18	18	33 39	31	55	60	65	1		1		834	
HV	Distribution Transformer	Pole Mounted Transformer	No.	(	5 32	23	37 405	527	1 94	16 113	92	2 10	15 113	105	80	75	71 7	6 75	58	3 59	82	63	84 (	55 41	87	92	112	133	-		1		3,987	
HV	Distribution Transformer	Ground Mounted Transformer	No.		1	. 4	42 164	183	4	66 60	97	7 9	118	153	172	169	146 12	5 127	56 1	5 61	65	85	103 10	05 100	99	116	104	116	-		1		3,206	
HV	Distribution Transformer	Voltage regulators	No.				1									3	3	2 4	5		3		4					3			1		28	
HV	Distribution Substations		No.				2 109	95	1	26 8	2	2	4 1		2	1		1		1		1	1						-		í l		354	
LV	LV Line		km	52 41	1 106	23	36 217	161	1	74 5	. 4	1	3 4	5	3	3	3	2 2	3	2 1	2	2	2	1 1	. 1	1	2	2	-		1		1.040	
LV	LV Cable		km	0 0	) 1	. 2	22 43	160	1	57 19	21	1 2	15 41	48	51	49	46 4	0 36	22	4 20	15	20	23	28 31	32	41	40	28	-		1		1.076	
LV	LV Street lighting		km	13 11	1 22		40 152				7	7	8 9		10		10 1	1 9	9	7 10	7	7	4	12 5	11	9		4	-	+ +	r +	_	1.064	
LV	Connections	OH/UG consumer service connections		.376 3.523	3 6.851						957	7 1.20			1.570		1.535 1.66	9 1.236	1.102 1.0	8 889	1.026	1.040	1.203 1.2	53 1.663	1.507	1.537	1.423	1.559	-	+ +	r +	230	94.261	
All	Protection	Protection relays (electromechanical, solid state and numeric)	No.		147						1 231	-,40	7 18		-,	22		3	43	5 15		30	7		9	40		58	-	+ +	r +		803	
All	SCADA and communications	SCADA and communications equipment operating as a single sys	Lot		1	1			1		1	1	-	1	-						1			-	1	1			-	+ +	r +	_	1	
A11	Capacitor Banks	Capacitors including controls	No			1		1	1		1	1								2									-	+ +		_	2	
All	Load Control		Lot		2		6 5	1	1	1	1	1						1	1	2			1						-	+ +		_	21	
All	Load Control		No		1 2		41 80	107	2	5 24	45		3 58	102	134	121	112 8	6 62	30	7 28	16	22	9 5:	19 242	29	26	29	27	+	+	-+		2.286	
All	Civils	Cable Tunnels			• • •	·   · ·	- 00	107	4	13 24		· · ·	30	102	134	121	*** 0	u 02		40	10	22	- 3.	241	40	20	20	A.I.		+			4,600	N

	This schedule	LE 9b: ASSET AGE PROFI requires a summary of the age profile (	LE based on year of installation) of the assets that make up the netwo	rk, by asset	: category and a	l asset class	s. All units i	relating to (	cable and l	ine assets,	that are ex	pressed in	km, refer to	circuit leng	ths.										N	etwork / S	For Ye	ny Name ar Ended rk Name						3	1 March	y Limited 2021 -network				
8		Disclosure Year (year ended)	31 March 2021									Numl	per of asset	s at disclos	ure year e	nd by install	ation dat	e																						
	Voltage	Asset category	Asset class	Unite		1940 -1949	1950 1959	1960 1969	1970 -1979	1980	1990	2000	2001	2002	2002	2004	200	5 2006	2007	2009	2009	2010	2011	2012	2012	2014	2015	2016	2017	2018	2019	2020	2021	2022	2023	2024	age	Items at end of year	default Data	accuracy
10	All	Overhead Line	Concrete poles / steel structure	No.	pie-10-40	3	1.525	5.844	2.842	2.048	766	2000	4 1	2 42	2003	1 24	1	17 29	31	1 19	1	.8 2	5 2	7 79	155	167	309	292	519	1.047	876	582	446			2024		17.815		4
11	All	Overhead Line	Wood poles	No.	710	834	1,415	2,487	1,001	1,185	1,551	. 17	5 15	5 121	1 11	13 91	1 1	15 102	111	1 148	1 12	9 8	9 8	2 102	2 61	37	20	19	37	485	99	56	37					11,568		4
12	All	Overhead Line	Other pole types	No.		-		í																											-		(	-		4
13	HV	Subtransmission Line	Subtransmission OH up to 66kV conductor	km	62		51	26	3		1																											144		3
14	HV	Subtransmission Line	Subtransmission OH 110kV+ conductor	km				L																														-		N/A
15	HV	Subtransmission Cable	Subtransmission UG up to 66kV (XLPE)	km				L													1			0 0	)	3		0	0	3	6							14		3
16	HV	Subtransmission Cable	Subtransmission UG up to 66kV (Oil pressurised)	km				I	22	3																											. J	25		3
17	HV	Subtransmission Cable	Subtransmission UG up to 66kV (Gas pressurised)	km				16																														16		3
18	HV	Subtransmission Cable	Subtransmission UG up to 66kV (PILC)	km			8		0	0	1		0		)	0 0	)	1		) (	1			0	)													11		3
19	HV	Subtransmission Cable	Subtransmission UG 110kV+ (XLPE)	km				'																										<b></b>			 لـــــــــــــــــــــــــــــــــــــ	-		N/A
20	HV	Subtransmission Cable	Subtransmission UG 110kV+ (Oil pressurised)	km				'																										<b></b>			 لـــــــــــــــــــــــــــــــــــــ	-		N/A
21	HV	Subtransmission Cable	Subtransmission UG 110kV+ (Gas Pressurised)	km				<u> </u>									_																	<b></b>			 $\vdash$	-		N/A
22	HV	Subtransmission Cable	Subtransmission UG 110kV+ (PILC)	km				'																										<b></b>			 لـــــــــــــــــــــــــــــــــــــ	-		N/A
23	HV	Subtransmission Cable	Subtransmission submarine cable	km				<u> </u>							_		_																	<b></b>			 $\vdash$	-		N/A
24	HV	Zone substation Buildings	Zone substations up to 66kV	No.	<u> </u>	1	4	3	6	4	1		_	_	-	_				_		_	-	_						1	1			<b></b>			 <u> </u>	21		3
25	HV	Zone substation Buildings	Zone substations 110kV+	No.				<sup> </sup>					_				_		_				_	_										ł			 l			N/A
26	HV	Zone substation switchgear	50/66/110kV CB (Indoor)	No.							1			1					_	1												1					 			N/A

10 5

31 35

506 538

21 16 16

365 435

5 14

13 19 22

20 16

 4 509

27 24

 14 18

2. ID 2021 - FINAL - Schedules 1 - 10

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Zone substation switchgear Zone substation switchgear

Zone substation switchgear

Zone substation switchgear Zone substation switchgear Zone substation switchgear Zone substation switchgear

Zone substation switchgear Zone substation switchgear Zone substation switchgear Zone Substation Transformer Distribution Line Distribution Line Distribution Line

Distribution Cable Distribution Cable Distribution Cable Distribution Cable Distribution switchgear Distribution switchgear Distribution switchgear

Distribution switchgear Distribution switchgear Distribution switchgear Distribution Transformer Distribution Transformer

Distribution Substations

LV Line

LV Cable

LV Street lighting Connections Protection

Capacitor Banks Load Control

Load Control

Civils

SCADA and communications

50/66/110kV CB (Outdoor) 33kV Switch (Ground Mounted)

3.3/6.6/11/22kV CB (ground mounted) 3.3/6.6/11/22kV CB (pole mounted) Zone Substation Transformers

Distribution OH Open Wire Conductor

Distribution OH Aerial Cable Conductor SWER conductor

Distribution UG PLC Distribution Submarine Cable 3.3/6.6/11/22kV CB (pole mounted) - reclosers and sectionalisers

3.3/6.6/11/22kV CB (Indoor) 3.3/6.6/11/22kV Switches and fuses (pole mounted)

3.3/6.6/11/22kV Switch (ground mounted) - except RMU

LV UG Cable LV OH/JG Streetlight circuit OH/JG consumer service connections Protection relays (electromechanical, solid state and numeric)

SCADA and communications equipment operating as a single sys

Distribution LIG XLPF or PVC

3.3/6.6/11/22kV RMU

LV UG Cable

Relays

Cable Tunnels

Pole Mounted Transformer Ground Mounted Transformer

Capacitors including controls Centralised plant

Ground Mounted Transformer Voltage regulators Ground Mounted Substation Housing LV OH Conductor

33kV Switch (Pole Mounted)

33kV RMU 22/33kV CB (Indoor)

22/33kV CB (Outdoor)

No. No.

No.

No.

No.

No. No.

km

No. No. No.

No.

No. 

km

0 8

km 49

82 62

42 148

2 109

172 172

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 136
 106
 219
 3

 No.
 12,376
 3,523
 6,851
 8,663
 7,080
 4,492
 4,852
 311

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147 110 148

34 49 69

248 130

2 0

3 37 62 58 94

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 162
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 450
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30 2

218 16

1 1

8 6

362 490

29 43 28

 N/A 3 N/A

2,631

1,673

43 56,846

18

1,128

N/A

3

N/A

Company Name	Aurora Energy Limited
For Year Ended	31 March 2021
Network / Sub-network Name	Central Otago and Wanaka Sub-network

8		Disclosure Year (year ended)	31 March 2021	]								Numbe	r of assets	at disclosu	e year end b	oy installatio	on date																					
	Voltaze	Asset category	Asset class	Units	pre-1940			1960 1969	1970 1979	1980 1989	1990	2000	2001	2002	2003	2004	2005	2006	2007	2008	2009	2010	2011 20	112 20	12 2014	2015	2016	2017 2	110	2019 2020	2021	2022	2022	2024 2	a			Data accur (1-4)
10	All	Overhead Line	Concrete poles / steel structure	No		15		350	1.474		720	65							129		132	85			377 253			391 3			519					8.803		4
11	All	Overhead Line	Wood poles	No.		17		3.222	2.690	1.510		96								104	105	217			50 53				119	61 54						11.007		4
12	All	Overhead Line	Other pole types	No.																																-		4
13	HV	Subtransmission Line	Subtransmission OH up to 66kV conductor	km	0		9	67	59	34	104	0							4			6	11			2	2		1	1 (	)					301		3
14	HV	Subtransmission Line	Subtransmission OH 110kV+ conductor	km																																-		N/A
15	HV	Subtransmission Cable	Subtransmission UG up to 66kV (XLPE)	km						1	1					0	0	1	0			1			(	)	1			3	0					8		3
6	HV	Subtransmission Cable	Subtransmission UG up to 66kV (Oil pressurised)	km																																-		3
	HV HV	Subtransmission Cable Subtransmission Cable	Subtransmission UG up to 66kV (Gas pressurised)	km																						_					_					-		3
	HV	Subtransmission Cable	Subtransmission UG up to 66kV (PILC) Subtransmission UG 110kV+ (XLPE)	km							U																		-							0		3 N/A
	HV	Subtransmission Cable	Subtransmission UG 110kV+ (ALPE)	km																						-					-							N/A
.,	HV	Subtransmission Cable	Subtransmission UG 110kV+ (Gas Pressurised)	km									1	1											-	1			- 1		1	1				-		N/A
22	HV	Subtransmission Cable	Subtransmission UG 110kV+ (PLC)	km																	-	-				1				-		1					1	N/A
3	HV	Subtransmission Cable	Subtransmission submarine cable	km																						1				-		1				-	1	N/A
24	HV	Zone substation Buildings	Zone substations up to 66kV	No.					1	2	1		1	1									1			1	1	1			1	1				9		3
	HV	Zone substation Buildings	Zone substations 110kV+	No.																																-		N/A
6	HV	Zone substation switchgear	50/66/110kV CB (Indoor)	No.																																-		N/A
27	HV	Zone substation switchgear	50/66/110kV CB (Outdoor)	No.												3							1			2	1			7	_					14		3
28	HV	Zone substation switchgear	33kV Switch (Ground Mounted)	No.																																-		N/A
9	HV	Zone substation switchgear	33kV Switch (Pole Mounted)	No.			14			19	12	1				1		2								_	1									50	_	3
	HV HV	Zone substation switchgear	33kV RMU	No.																						_					1					1		4
2	HV	Zone substation switchgear Zone substation switchgear	22/33kV CB (Indoor) 22/33kV CB (Outdoor)	ND.						7	4			1							1							1	-		2					- 20		3
2	HV	Zone substation switchgear	3.3/6.6/11/22kV CB (ground mounted)	No.						7	*				11		1						2		2						2					20		3
4	HV	Zone substation switchgear	3.3/6.6/11/22kV CB (pole mounted)	NO.				2	1		1				4	2				°								1			1					40		3
s	HV	Zone Substation Transformer	Zone Substation Transformers	No.			1	1	1	2	1			1	3	1							1			1	2	-			3					19		3
16	HV	Distribution Line	Distribution OH Open Wire Conductor	km	58	96	170	125	254	202	194	5	5	5	2	7	24	1	6	1	5	6	11	2	7 !	12	22	4	11	10 1	1 11					1,275		3
7	HV	Distribution Line	Distribution OH Aerial Cable Conductor	km																																-		N/A
8	HV	Distribution Line	SWER conductor	km																																-		3
9	HV	Distribution Cable	Distribution UG XLPE or PVC	km				0	5	8		7	14			33	17	22	35	17	15	10	8	7	9 21	34	32	16	22	22 11	25					472		3
0	HV	Distribution Cable	Distribution UG PILC	km	-				0	13	16	2	3	4	3	4	5	2	6	1	0	2	1	1	0 0	)										61		3
1	HV	Distribution Cable	Distribution Submarine Cable	km																																-		4
2	HV	Distribution switchgear	3.3/6.6/11/22kV CB (pole mounted) - reclosers and sectionalisers	No.							2					2	2		1	7	2	1			1		3	1	2		1					25		4
	HV HV	Distribution switchgear Distribution switchgear	3.3/6.6/11/22kV CB (Indoor) 3.3/6.6/11/22kV Switches and fuses (pole mounted)	No.	1	4	29	83	141	255	448	76	72	80	100	105	75	75	80	96	93	99	117	64	77 8	118	95	77	139	181 12	160					3.141		4
	HV	Distribution switchgear	3.3/6.6/11/22kV Switches and ruses (pole mounted) 3.3/6.6/11/22kV Switch (ground mounted) - except RMU	NO.		4	29	83	141	255	448	/6	12	80		105	/5	/5	80	00	93	99	211/	7	// 81	118	95	11	107	101 12.	160	+				3,141		4
6	HV	Distribution switchgear	3.3/6.6/11/22kV SWItch (ground mounted) - except RMU 3.3/6.6/11/22kV RMU	NO.						1	16	1	4	8	•	2	9	4	15	6	3	6	7	8	3 1	1 5	11	8	17	26 30	26	1				223		3
7	HV	Distribution Transformer	Pole Mounted Transformer	No.		6	26	66	155	219	361	48	47	55	57	60	38	35	38	46	41	27	34	35	49 4	45		18	51	59 6	89	1				1.855		3
8	HV	Distribution Transformer	Ground Mounted Transformer	No.					9	33		19	49	46	56	76	92	73	83	61	69	29	31	28	38 51			51	58	67 5		1				1,395		3
9	HV	Distribution Transformer	Voltage regulators	No.																2	2	5			3	4					2					18		3
0	HV	Distribution Substations	Ground Mounted Substation Housing	No.																																-		3
1	LV	LV Line	LV OH Conductor	km	3	14	31	51	32	17	**	1	1	0	1	1	1	0	1	0	1	1	0	0	0 0	0 0	0	0	0	0 :	1	1				177		3
2	LV	LV Cable	LV UG Cable	km					1	71	64	5	8	13	18	21	29	21	17	22	15	11	6	8	5 9	11	16	17	18	27 23	14	1				470	I	3
3	LV	LV Street lighting	LV OH/UG Streetlight circuit	km	0	5	10	20	11	86	34	2	2	5	2	3	4	4	3	7	5	2	2	3	3	2	3	3	4	4	2	1				241	l	3
1	LV	Connections	OH/UG consumer service connections	No.				3	5	4	10,767	343	322			608	589	590		701	544	365	343	279	347 393	498		759	701	673 65						113 22,502		3
	All	Protection	Protection relays (electromechanical, solid state and numeric)	No.				1	6	20	3			4	16	3		10				4	4		1	7	6		7	13	12	+				122	I	3
		SCADA and communications	SCADA and communications equipment operating as a single sys	Lot									-	-												+				1	+	+				1		3
		Capacitor Banks Load Control	Capacitors including controls Centralised plant	No																												+				-		4
0	All	Load Control	Relavs	LOT				4	12	31	90	7	22	23	29	57	79	66	68	43	38	16	10	9	9 1	1 5	6	6	7	14 2	2	+				687		2
0	All	Civils	Cable Tunnels	km					12	31	50			25	25	37	/5	00	00			40	***	~			0	~				1				- 687		N/A
Г	~	Citita	Cable formed	MIL	· · · ·									<u> </u>													I					1	I					<u> </u>

SCHEDULE 9b: ASSET AGE PROFILE

mary of the age

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

This

																										-												
																								G	ompany N	ame					Au	irora Energ	gy Limiter	d /				1 1
																								/	or Year Er	nded						31 March	h 2021					
Network / Sub-network Na																																						
	SCHEDU	E 9b: ASSET AGE PROFI	F																																			
			based on year of installation) of the assets that make up the network	hu arret c	tenon and	arret clare	All units of	alating to cal	and line -	wrate the	at are expres	red in km in	efer to circu	uit lengthe																								
		equies a summary of the age prome (	and on year of mataliation of the ansets that make up the network	, oy asset o	aregory and	usset class	. An units ite	nating to car	ne una inte i	usseus, un	at are expres	aca in kin, n		an rengena.																								
h	f																																					
8		Disclosure Year (year ended)	31 March 2021									Number of	f assets at d	disclosure yea	r end by ins	tallation dat																						
																																			No. with	Items at		
						1940	1950	1960	1970	1980	1990																								age		default D	
9	Voltage	Asset category	Asset class	Units p	pre-1940	-1949	-1959	-1969	-1979 ·	-1989	-1999	2000	2001	2002 20	003 20	104 200	2006	2007	2008	2009 20	10 201	L 2012	2013	2014 2	015 20	016 20	17 201	18 20:	19 2020	0 202	1 2022	2023	2024	2025	unknown	year	dates	(1-4)
0	All	Overhead Line	Concrete poles / steel structure	No.				36	225	241	214	13	14	10	18	16	10 15	16	35	13	4	30 53	10	25	46	21	48 :	196	100 5	51	72					1,532		4
	All	Overhead Line	Wood poles	No.		5	1	570	860	666	450	36	24	21	26	43	37 31	32	48	45	46	44 38	30	3	11	7	17	28	26	17	20					3,182		4
12	All	Overhead Line	Other pole types	No																															(	-		4

Voltage	Asset category	Asset class	Units	pre-1940	-1949	-1959	-1969	-1979	-1989	-1999	2000	2001	2002	2003 200	4 2005	2006	2007	2008 2	009 2010	2011	2012	2013	2014 2015	2016	2017	2018	2019 2	2020 2021	1 2022	2023 202	4 2025	unknown	year	dates	(1
All	Overhead Line	Concrete poles / steel structure	No.	-			3	6 22	5 241	214	13	14	10	18	16 10	0 15	i 16	35	13	4 3	10 53	10	25 46	5 21	48	196	100	51	72				1,532		
All	Overhead Line	Wood poles	No.		5	1	57	0 86	0 666	450	36	24	21	26	43 31	7 31	32	48	45 4	46 4	4 38	30	3 11	1 7	17	28	26	17	20				3.182		
All	Overhead Line	Other pole types	No																														-		
HV	Subtransmission Line	Subtransmission OH up to 66kV conductor	km	9	3	2	21	5 1	2 4	19					(	0	2		1			0	1	1									79		
HV	Subtransmission Line	Subtransmission OH 110kV+ conductor	km					-									-																_		
HV	Subtransmission Cable	Subtransmission UG up to 66kV (XLPE)	lum .	-	-													1	2		0						1						12		-
			MII					-	-	2						- 0	, ,	-	2	0	0			_								-	12		
HV	Subtransmission Cable	Subtransmission UG up to 66kV (Oil pressurised)	кт	-	-	_	-	_	_	_							_			_		-		_							_		-		
HV	Subtransmission Cable	Subtransmission UG up to 66kV (Gas pressurised)	кт	-		_	-	_	_	_							_			_		-		_							_		-		
HV	Subtransmission Cable	Subtransmission UG up to 66kV (PILC)	km		-	-		_								_								-									-		
HV	Subtransmission Cable	Subtransmission UG 110kV+ (XLPE)	km	_				_	_											_				_									-		
HV	Subtransmission Cable	Subtransmission UG 110kV+ (Oil pressurised)	km				_			_														_									-		
HV	Subtransmission Cable	Subtransmission UG 110kV+ (Gas Pressurised)	km																														-		N
HV	Subtransmission Cable	Subtransmission UG 110kV+ (PILC)	km																														-		N
HV	Subtransmission Cable	Subtransmission submarine cable	km																														-		N
HV	Zone substation Buildings	Zone substations up to 66kV	No.	-					1 1	2										1													5		
HV	Zone substation Buildings	Zone substations 110kV+	No.	-								_																					-		
HV	Zone substation switchgear	50/66/110kV CB (Indoor)	No.																														-		
HV	Zone substation switchgear	50/66/110kV CB (Outdoor)	No.																														-		
HV	Zone substation switchgear	33kV Switch (Ground Mounted)	No.																														-		
HV	Zone substation switchgear	33kV Switch (Pole Mounted)	No						4										15														19		
HV	Zone substation switchgear	33kV RMU	No																														-		
HV	Zone substation switchgear	22/33kV CB (Indoor)	No							6																							6		
HV	Zone substation switchgear	22/33kV CB (Outdoor)	No.	-	-				1	6						1				2						1							11		
HV				-					•	10							-				10			_								-	10		
HV	Zone substation switchgear	3.3/6.6/11/22kV CB (ground mounted)	NO.	-			-	-		13										8	12			-									40		
HV	Zone substation switchgear	3.3/6.6/11/22kV CB (pole mounted)	NO.	-	-	_	-		2	1						4					1 1	-		_			1				_		10		
HV	Zone Substation Transformer	Zone Substation Transformers	NO.		-	9	4	2 1.	1 94	85	1					0 2				2	1 1			_				1			_				
	Distribution Line	Distribution OH Open Wire Conductor	km	11	2	9	4	3 1	4 94	85	2	2	1	1	0 0	0 3	4	2	1	3	1 3	0	1	1 0	5	2	0	0	1				288		
HV	Distribution Line	Distribution OH Aerial Cable Conductor	km	_				_	_											_				_									-		
HV	Distribution Line	SWER conductor	km				_			_														_									-		
HV	Distribution Cable	Distribution UG XLPE or PVC	km						2	27	4	9	10		18 13	2 12		16	5	4	4 2	1	1 5	5 6	8	5	11	6	7				196		
HV	Distribution Cable	Distribution UG PILC	km						0 13	21	3	2	5	10	1 3	2 6	8	3	5	4	0 0	0	0	0	0								83		
HV	Distribution Cable	Distribution Submarine Cable	km																														-		
HV	Distribution switchgear	3.3/6.6/11/22kV CB (pole mounted) - reclosers and sectionalisers	No.												2	2 1			2			1		1					6				13		
HV	Distribution switchgear	3.3/6.6/11/22kV CB (Indoor)	No.	-																													-		
HV	Distribution switchgear	3.3/6.6/11/22kV Switches and fuses (pole mounted)	No.	-		2	1	8 2	5 68	210	39	43	46	33	39 30	0 27	28	21	35	35 2	25 25	14	3 13	3 17	14	25	30	21	28				906		
HV	Distribution switchgear	3.3/6.6/11/22kV Switch (ground mounted) - except RMU	No.							10	1	3	2	14	9 14	4 13	16	13	7	12	3 1	2	1 1	1		1							123		
HV	Distribution switchgear	3.3/6.6/11/22kV RMU	No						1	25		7	6	21	4	5 14	9	11	12	4	4 8	1	3 5	5 14	16	10	18	14	14				227		
HV	Distribution Transformer	Pole Mounted Transformer	No			2		9 2	8 51	135	21	17	21	13	17 1	1 5	7	9	18	15	6 5	11	3 9	9 9	4	9	9	10	5				459		
HV	Distribution Transformer	Ground Mounted Transformer	No			-			7 15		25	38	36	41	62 60	0 55	45	51	37	13 3	13 13	11	10 7	7 25	22	13	34	19	29				819		
HV	Distribution Transformer	Voltage regulators	No						-							2			2	-								-					9		
HV	Distribution Substations	Ground Mounted Substation Housing	No.	-	-														-	-													-		
LV				-				2 1			0	0					-															-			
LV	LV Line	LV OH Conductor	кm		1	8	1	3 1		52	U	0	1	0	10 10	2 10		U	0		0 0	0	0 0		-	U	-	0	-	+ +	+	1	46		
	LV Cable	LV UG Cable	km					U	1 55		10	10	8	19	19 13	3 10	18	11	13	3	5 5	3	3 5	<b>b</b>	6	6	7	10	b		+-				
LV	LV Street lighting	LV OH/UG Streetlight circuit	km		1	4	1	5	5 51	. 34	2	2	1	2	5	2 1	4	1	0	1	1 1	1	0	4	1	4	4	1	1	+ +	+-		140		
LV	Connections	OH/UG consumer service connections	No.	-	1	1	1	1	3 1	6,299	363	351	470	446	74 541	7 621	435	414	314 29	94 28	85 220	306	289 292	2 274	449	372	402	332 44	47			72	14,773		
All	Protection	Protection relays (electromechanical, solid state and numeric)	No.	-		1			11	27			3	2		3				11	15		5	-			1						78		
All	SCADA and communications	SCADA and communications equipment operating as a single sys	Lot		1		1															1					1					_	1		
All	Capacitor Banks	Capacitors including controls	No		1																												-		
All	Load Control	Centralised plant	Lot		1	1	1													1										1			1		
All	Load Control	Relays	No						6 18	1 71	11	21	16	25	41 53	3 47	39	37	17	9 1	2 6	3	5	4	2	7	7	3	6				466		
All	Civils	Cable Tunnels	km		1	1	1															1									-		-		

39

	Company Name	Aur	ora Energy Limit	ted
	For Year Ended		31 March 2021	
	Network / Sub-network Name		Total Network	
	SCHEDULE 9c: REPORT ON OVERHEAD LINES AND UNDERGROUND CABLES			
	This schedule requires a summary of the key characteristics of the overhead line and underground cable network. All units rel to circuit lengths.	ating to cable and li	ne assets, that are ex	pressed in km, refer
	o circuit religtits.			
sch	ref			
9				
				Total circuit
10	Circuit length by operating voltage (at year end)	Overhead (km)	Underground (km)	length (km)
11	. > 66kV			-
12	50kV & 66kV	127	3	129
13	33kV	397	84	482
14	SWER (all SWER voltages)	9		9
15	22kV (other than SWER)			-
16		2,289	1,137	3,426
17		1,040	1,076	2,115
18	Total circuit length (for supply)	3,861	2,300	6,161
19		r	· · · ·	
20		532	532	1,064
21				58
22			(% of total	
23	Overhead circuit length by terrain (at year end)	Circuit length (km)	•	
24		1,166	30%	
25		2,607	68%	
26		2,007	-	
27		88	2%	
28			-	
29			-	
30	Total overhead length	3,861	100%	
31				
			(% of total circuit	
32		Circuit length (km)	length)	
33	Length of circuit within 10km of coastline or geothermal areas (where known)	1,476	24%	
			(% of total	
34		Circuit length (km)	overhead length)	
35	Overhead circuit requiring vegetation management	3,609	93%	

	Company Name	Aur	ora Energy Limi	ted
	For Year Ended		31 March 2021	
	Network / Sub-network Name	Du	nedin Sub-netwo	ork
	· ·	Du	incuit oub netwo	
	SCHEDULE 9c: REPORT ON OVERHEAD LINES AND UNDERGROUND CABLES			
	his schedule requires a summary of the key characteristics of the overhead line and underground cable network. All units re	lating to cable and li	ne assets, that are ex	pressed in km, refer
U	o circuit lengths.			
sch	rof			
SCII				
9				
5				Total circuit
10	Circuit length by operating voltage (at year end)	Overhead (km)	Underground (km)	length (km)
11	> 66kV			-
12	50kV & 66kV			-
13	33kV	144	66	210
14	SWER (all SWER voltages)	9		9
15	22kV (other than SWER)			-
16	6.6kV to 11kV (inclusive—other than SWER)	726	324	1,050
17	Low voltage (< 1kV)	817	297	1,113
18	Total circuit length (for supply)	1,696	687	2,383
19				
20	Dedicated street lighting circuit length (km)	460	222	682
21	Circuit in sensitive areas (conservation areas, iwi territory etc) (km)			4
22			(% of total	
23	Overhead circuit length by terrain (at year end)	Circuit length (km)		
23	Urban	969	57%	
25	Rural	716	42%	
26	Remote only	/10	-	
27	Rugged only	10	1%	
28	Remote and rugged	10	-	
29	Unallocated overhead lines		-	
30	Total overhead length	1,696	100%	
31				
			(% of total circuit	
32		Circuit length (km)	length)	
33	Length of circuit within 10km of coastline or geothermal areas (where known)	1,476	62%	
			(% of total	
34		Circuit length (km)	overhead length)	
35	Overhead circuit requiring vegetation management	1,582	93%	

	Company Name	Aur	ora Energy Limit	ted
	For Year Ended		31 March 2021	
	Network / Sub-network Name	Central Otag	o and Wanaka S	ub-network
60	HEDULE 9c: REPORT ON OVERHEAD LINES AND UNDERGROUND CABLES			
	s schedule requires a summary of the key characteristics of the overhead line and underground cable network. All units rela ircuit lengths.	ating to cable and li	ne assets, that are ex	pressed in km, refer
10 0	in curt lengths.			
sch ref	f			
9				
				Total circuit
10	Circuit length by operating voltage (at year end)	Overhead (km)	Underground (km)	length (km)
11	> 66kV			_
12	50kV & 66kV	127	3	129
13	33kV	175	6	180
14	SWER (all SWER voltages)			-
15	22kV (other than SWER)			-
16	6.6kV to 11kV (inclusive—other than SWER)	1,275	533	1,807
17	Low voltage (< 1kV)	177	470	647
18	Total circuit length (for supply)	1,753	1,011	2,764
19			· · · · ·	
20	Dedicated street lighting circuit length (km)	56	185	241
21	Circuit in sensitive areas (conservation areas, iwi territory etc) (km)			31
22			(% of total	
23	Overhead circuit length by terrain (at year end)	Circuit length (km)	overhead length)	
24	Urban	129	7%	
25	Rural	1,570	90%	
26	Remote only	2,570	-	
27	Rugged only	54	3%	
28	Remote and rugged	54	-	
29	Unallocated overhead lines		-	
30	Total overhead length	1,753	100%	
31				
			(% of total circuit	
32		Circuit length (km)	length)	
33	Length of circuit within 10km of coastline or geothermal areas (where known)	-	-	
			(% of total	
34		Circuit length (km)	overhead length)	
35	Overhead circuit requiring vegetation management	1,651	94%	

Company Name	Aur	ora Energy Limi	ted
For Year Ended		31 March 2021	
Network / Sub-network Name	Ouee	nstown Sub-net	work
	ating to caple and li	ne assets, that are ex	pressed in km, refer
n enguis.			
Circuit length by operating voltage (at year end)	Overhead (km)	Underground (km)	Total circuit length (km)
>66kV			-
50kV & 66kV			-
33kV	79	12	91
SWER (all SWER voltages)			-
22kV (other than SWER)			-
6.6kV to 11kV (inclusive—other than SWER)	288	279	567
Low voltage (< 1kV)	46	303	349
Total circuit length (for supply)	413	595	1,008
Dedicated street lighting circuit length (km)	16	124	140
Circuit in sensitive areas (conservation areas, iwi territory etc) (km)			23
		(% of total	
Overhead circuit length by terrain (at year end)	Circuit length (km)	•	
	011	-	
Rugged only	24	6%	
Remote and rugged		-	
Unallocated overhead lines		-	
Total overhead length	413	100%	
		(% of total circuit	
		1	
Length of circuit within 10km of coastline or geothermal areas (where known)	-	-	
		(% of total	
	Circuit length (km)	overhead length)	
Overhead circuit requiring vegetation management	376	91%	
1	Determine the set of the set of the set of the overhead line and underground cable network. All units relit is lengths.         Circuit length by operating voltage (at year end) <ul> <li>&gt; 66kV</li> <li>SVER (all SWER voltages)</li> <li>22kV (other than SWER)</li> <li>6.6kV to 11kV (inclusive—other than SWER)</li> <li>Cotrouit length for supply)</li> </ul> Dedicated street lighting circuit length (km)           Circuit in sensitive areas (conservation areas, iwi territory etc) (km)           Wran           Rural           Rural	Network / Sub-network Name       Quee         EDULE 9C: REPORT ON OVERHEAD LINES AND UNDERGROUND CABLES         redule requires a summary of the key characteristics of the overhead line and underground cable network. All units relating to cable and line it lengths.         Circuit length by operating voltage (at year end)       Overhead (Im)         > 66W       50KV & 66KV         33KV       79         SWER (all SWER voltages)       228K (other than SWER)         Low voltage (< 1kV)	Detwork / Sub-network Name       Queenstown Sub-net         EDULE 9C: REPORT ON OVERHEAD LINES AND UNDERGROUND CABLES       Outenstown Sub-net         redule requires a summary of the key characteristics of the overhead line and underground cable network. All units relating to cable and line assets, that are exit lengths.       Overhead (tm)       Underground (tm)         > 66kV       Solv & 66kV       Solv & 66kV       Solv & 66kV       Solv & 66kV         Solv & 66kV       Solv & 66kV       Solv & 66kV       Solv & 66kV       Solv & 66kV         Solv R (all SWER voltages)       22kV (inclusive—other than SWER)       288       279       443       595         Dedicated street lighting circuit length (km)       Circuit in sensitive areas (conservation areas, iwi territory etc) (km)       16       224       66k         Overhead circuit length by terrain (at year end)       (% of total       (% of total       16       224       24       66k       16       221       78k       221       78k       24       66k       10       16       224       66k       124       66       10       16       224       66k       124       66       10       16       224       78k       224       78k       224       66k       124       66       124       66       124       66       124

	Company Name	Aurora Ene	ergy Limited
	For Year Ended	31 Mar	ch 2021
	CHEDULE 9d: REPORT ON EMBEDDED NETWORKS		
-			
	nis schedule requires information concerning embedded networks owned by an EDB that are embedded in another EDB's network or in another e	mbedded network.	
sch r	ef		
		Number of ICPs	Line charge revenue
8	Location *	served	(\$000)
9	Heritage Estate (Te Anau)	137	108
10			
11 12			
12			
14			
15			
16			
17			
18			
19			
20			
21			
22 23			
23 24			
25			<u> </u>
	* Extend embedded distribution networks table as necessary to disclose each embedded network owned by the EDB which is embedded i	n another EDB's netwo	rk or in another
26	embedded network		

	Company Name	Aurora Energy Limited
	For Year Ended	31 March 2021
	Network / Sub-network Name	Total Network
SCH	EDULE 9e: REPORT ON NETWORK DEMAND	
This so	chedule requires a summary of the key measures of network utilisation for the disclosure year (number of n uted generation, peak demand and electricity volumes conveyed).	ew connections including
h ref		
8 9	9e(i): Consumer Connections Number of ICPs connected in year by consumer type	
-		Number of
10	Consumer types defined by EDB*	connections (ICPs)
11	Residential	954
12	Load Group 0	19
13	Load Group 0A	14
14	Load Group 1A	18
	Load Group 1	(86)
	Load Group 2	162
	Load Group 3	2
	Load Group 3A	1
	Load Group 4	3
	Load Group 5	
15	Street Lighting Distributed Lighting	2
15 16	Distributed Unmetered Load (excl. Street Lighting)  * include additional rows if needed	
17	Connections total	1,088
17		1,088
18 19	Distributed generation	
20	Number of connections made in year	221 connections
21	Capacity of distributed generation installed in year	1.34 <b>MVA</b>
		101
22	9e(ii): System Demand	
23		
24		Demand at time of
		maximum
		coincident
25	Maximum coincident system demand	demand (MW)
26	GXP demand	241
27	plus Distributed generation output at HV and above	58
28	Maximum coincident system demand	299
29	less Net transfers to (from) other EDBs at HV and above	0
30	Demand on system for supply to consumers' connection points	299
31	Electricity volumes carried	Energy (GWh)
32	Electricity supplied from GXPs	1,073
33	less Electricity exports to GXPs	53
34	plus Electricity supplied from distributed generation	367
35	less Net electricity supplied to (from) other EDBs	1
36	Electricity entering system for supply to consumers' connection points	1,385
37	less Total energy delivered to ICPs	1,305
38	Electricity losses (loss ratio)	80 5.8%
39 40	Load factor	0.53
41	9e(iii): Transformer Capacity	
		(M)(A)
42 13	Distribution transformer conscitu (EDD owned)	(MVA)
43 44	Distribution transformer capacity (EDB owned) Distribution transformer capacity (Non-EDB owned, estimated)	<u>931</u> 68
	Total distribution transformer capacity (Non-EDB owned, estimated)	999
		222
45		
	Zone substation transformer capacity	958

	Company Name	Aurora Energy Limited
	For Year Ended	31 March 2021
	Network / Sub-network Name	Dunedin Sub-network
SCH	IEDULE 9e: REPORT ON NETWORK DEMAND	
	chedule requires a summary of the key measures of network utilisation for the disclosure year (number of r	new connections including
distri	puted generation, peak demand and electricity volumes conveyed).	
h ref		
8	9e(i): Consumer Connections	
9	Number of ICPs connected in year by consumer type	
10	Consumer types defined by EDB*	Number of connections (ICPs)
11	Residential	280
12	Load Group 0	9
13	Load Group 0A	(1)
14	Load Group 1A	5
	Load Group 1	(59)
	Load Group 2	6
	Load Group 3	-
	Load Group 3A	(2)
	Load Group 4	1 (1)
	Load Group 5 Street Lighting	(1)
15	Distributed Unmetered Load (excl. Street Lighting)	
15 16	* include additional rows if needed	
17	Connections total	238
18		
19	Distributed generation	
20	Number of connections made in year	43 connections
21	Capacity of distributed generation installed in year	0.25 <b>MVA</b>
22	9e(ii): System Demand	
22 23	Settin, System Demanu	
23 24		Domand at time of
		Demand at time of maximum
		coincident
25	Maximum coincident system demand	demand (MW)
26	GXP demand	142
27	plus Distributed generation output at HV and above	50
28	Maximum coincident system demand	192
29	less Net transfers to (from) other EDBs at HV and above	
30	Demand on system for supply to consumers' connection points	192
31	Electricity volumes carried	Energy (GWh)
32	Electricity supplied from GXPs	658
33	less Electricity exports to GXPs	0
34	plus Electricity supplied from distributed generation	172
35	less Net electricity supplied to (from) other EDBs	-
36	Electricity entering system for supply to consumers' connection points	829
37	less Total energy delivered to ICPs	784
38 39	Electricity losses (loss ratio)	45 5.5%
40	Load factor	0.49
41	9e(iii): Transformer Capacity	
41 42	Setting transformer capacity	(MAVA)
42 43	Distribution transformer capacity (EDB owned)	(MVA) 483
43 44	Distribution transformer capacity (EDB owned) Distribution transformer capacity (Non-EDB owned, estimated)	483
45	Total distribution transformer capacity	526
46		
47	Zone substation transformer capacity	581

	Company Name	Aurora Energy Limited
	For Year Ended	31 March 2021
	Network / Sub-network Name	Central Otago and Wanaka Sub-network
SC	HEDULE 9e: REPORT ON NETWORK DEMAND	
	schedule requires a summary of the key measures of network utilisation for the disclosure year (numl	per of new connections including
	ributed generation, peak demand and electricity volumes conveyed).	of of new connections merduing
ch re		
8	9e(i): Consumer Connections	
9	Number of ICPs connected in year by consumer type	
		Number of
10	Consumer types defined by EDB*	connections (ICPs)
11	Residential	456
12	Load Group 0	4
13	Load Group 0A	-
14	Load Group 1	10
	Load Group 1 Load Group 2	8
	Load Group 2 Load Group 3	1
	Load Group 3A	2
	Load Group 4	1
	Load Group 5	-
	Street Lighting	2
15	Distributed Unmetered Load (excl. Street Lighting)	-
16	* include additional rows if needed	
17	Connections total	567
18		
19	Distributed generation	
20	Number of connections made in year	141 connections
21	Capacity of distributed generation installed in year	0.85 <b>MVA</b>
22	9e(ii): System Demand	
23		
24		Demand at time of
		maximum
		coincident
25	Maximum coincident system demand	demand (MW)
26	GXP demand	41
27	plus Distributed generation output at HV and above	21
28	Maximum coincident system demand	62
29	less Net transfers to (from) other EDBs at HV and above	0
30	Demand on system for supply to consumers' connection points	61
31	Electricity volumes carried	Energy (GWh)
32	Electricity supplied from GXPs	186
33	less Electricity exports to GXPs	53
34 25	plus Electricity supplied from distributed generation	181
35 36	less Net electricity supplied to (from) other EDBs Electricity entering system for supply to consumers' connection points	312
30 37	less Total energy delivered to ICPs	289
38	Electricity losses (loss ratio)	23 7.4%
39	Load factor	0.58
40	9e(iii): Transformer Capacity	
40 41	9e(iii): Transformer Capacity	(MVA)
40 41 42	<b>9e(iii): Transformer Capacity</b> Distribution transformer capacity (EDB owned)	<b>(MVA)</b> 279
40 41 42 43 44		
40 41 42 43	Distribution transformer capacity (EDB owned)	279
40 41 42 43 44	Distribution transformer capacity (EDB owned) Distribution transformer capacity (Non-EDB owned, estimated)	279 20

	Company Name	Aurora Energy Limited
	For Year Ended	31 March 2021
	Network / Sub-network Name	Queenstown Sub-network
SCH	IEDULE 9e: REPORT ON NETWORK DEMAND	
	chedule requires a summary of the key measures of network utilisation for the disclosure year (number of	f new connections including
	buted generation, peak demand and electricity volumes conveyed).	
h ref		
8	9e(i): Consumer Connections	
9	Number of ICPs connected in year by consumer type	
		Number of
10	Consumer types defined by EDB*	connections (ICPs)
11	Residential	210
12	Load Group 0	6
13	Load Group 0A	21
14	Load Group 1A	3
	Load Group 1	(35)
	Load Group 2 Load Group 3	71
	Load Group 3A	1
	Load Group 4	1
	Load Group 5	-
	Street Lighting	-
15	Distributed Unmetered Load (excl. Street Lighting)	-
16	* include additional rows if needed	
17	Connections total	279
18		
19	Distributed generation	
20	Number of connections made in year	37 connections
21	Capacity of distributed generation installed in year	0.24 <b>MVA</b>
22	9e(ii): System Demand	
22	Sellij. System Demand	
23		
		Demand at time of maximum
		coincident
25	Maximum coincident system demand	demand (MW)
25 26	GXP demand	60
20 27	plus Distributed generation output at HV and above	2
28	Maximum coincident system demand	62
29	less Net transfers to (from) other EDBs at HV and above	-
30	Demand on system for supply to consumers' connection points	62
31	Electricity volumes carried	Energy (GWh)
32	Electricity supplied from GXPs	229
33	less Electricity exports to GXPs	-
34	plus Electricity supplied from distributed generation	14
35	less Net electricity supplied to (from) other EDBs	-
36	Electricity entering system for supply to consumers' connection points	244
37	less Total energy delivered to ICPs	232
38	Electricity losses (loss ratio)	12 4.8%
39 40	Load factor	0.45
40		0.45
41	9e(iii): Transformer Capacity	
41		(MVA)
42 43	Distribution transformer capacity (EDB owned)	
43 44	Distribution transformer capacity (Non-EDB owned, estimated)	5
45	Total distribution transformer capacity	174
46		1/1
47	Zone substation transformer capacity	162

	Co	mpany Name	Aurora Ene	rgy Limited
	Fi	or Year Ended	31 Mar	ch 2021
	Network / Sub-n	etwork Name	Total N	etwork
sc	CHEDULE 10: REPORT ON NETWORK RELIABILITY			
	s schedule requires a summary of the key measures of network reliability (interruptions, SAIDI, SAIFI and fault rate)	for the disclosure ve	ar EDBs must provide	ovalanatory commont
	their network reliability for the disclosure year in Schedule 14 (Explanatory notes to templates). The SAIFI and SAID			
	tion 1.4 of the ID determination), and so is subject to the assurance report required by section 2.8.	i mormation is part o		normation (as actined in
sch rej				
8	10(i): Interruptions			
Ũ		Number of		
9	Interruptions by class	interruptions		
10	Class A (planned interruptions by Transpower)	1		
11	Class B (planned interruptions on the network)	928		
12	Class C (unplanned interruptions on the network)	490		
13	Class D (unplanned interruptions by Transpower)	-		
14	Class E (unplanned interruptions of EDB owned generation)	-		
15	Class F (unplanned interruptions of generation owned by others)	2		
16	Class G (unplanned interruptions caused by another disclosing entity)	-		
17	Class H (planned interruptions caused by another disclosing entity)	-		
18	Class I (interruptions caused by parties not included above)	4		
19	Total	1,425		
20				
21	Interruption restoration	≤3Hrs	>3hrs	
22 23	Class C interruptions restored within	385	105	
-				
24	SAIFI and SAIDI by class	SAIFI	SAIDI	
25	Class A (planned interruptions by Transpower)	0.00	0.1	
26	Class B (planned interruptions on the network)	0.68	134.6	
27 28	Class C (unplanned interruptions on the network)	1.54	113.8	
28 29	Class D (unplanned interruptions by Transpower) Class E (unplanned interruptions of EDB owned generation)	_		
30	Class F (unplanned interruptions of generation owned by others)	0.01	0.6	
31	Class G (unplanned interruptions caused by another disclosing entity)	-	-	
32	Class H (planned interruptions caused by another disclosing entity)	-	-	
33	Class I (interruptions caused by parties not included above)	0.01	0.2	
34	Total	2.24	249.3	
35		ı		
36	—		rmalised SAIDI	
37	Classes B & C (interruptions on the network)	2.22	248.4	
38				

		_		
	C	ompany Name		nergy Limited
		For Year Ended	31 M	arch 2021
	Network / Sub-	network Name	Total	Network
Thi on	CHEDULE 10: REPORT ON NETWORK RELIABILITY s schedule requires a summary of the key measures of network reliability (interruptions, SAIDI, SAIFI and fault rate their network reliability for the disclosure year in Schedule 14 (Explanatory notes to templates). The SAIFI and SAI tion 1.4 of the ID determination), and so is subject to the assurance report required by section 2.8. 10(ii): Class C Interruptions and Duration by Cause			
40				
41	Cause	SAIFI	SAIDI	
42	Lightning	0.01	0.6	
43	Vegetation	0.31	20.9	
44	Adverse weather	0.00	0.5	
45	Adverse environment	0.00	0.0	
46	Third party interference	0.13	10.2	
47	Wildlife	0.03	4.2	
48	Human error	0.15	5.0	
49	Defective equipment	0.57	47.3	
50 51	Cause unknown	0.34	25.1	
53 54 55 56 57	Main equipment involved Subtransmission lines Subtransmission cables Subtransmission other	SAIFI	SAIDI 	
58	Distribution lines (excluding LV)	0.42	90.8	
69	Distribution cables (excluding LV)	0.03	8.3	
60	Distribution other (excluding LV)	0.23	35.6	
61 62	10(iv): Class C Interruptions and Duration by Main Equipment Involved			
63	Main equipment involved	SAIFI	SAIDI	
64	Subtransmission lines	0.16	11.2	
65	Subtransmission cables	-	-	
66	Subtransmission other	0.09	11.3	
67	Distribution lines (excluding LV)	0.83	63.8	
68 69	Distribution cables (excluding LV)	0.10 0.37	12.2 15.2	
	Distribution other (excluding LV)	0.37	15.2	
70	10(v): Fault Rate			Fault rate (faults
71	Main equipment involved	Number of Faults C	ircuit length (km)	per 100km)
72	Subtransmission lines	22	524	4.20
73	Subtransmission cables	-	87	-
74	Subtransmission other	4		
75	Distribution lines (excluding LV)	237	2,298	10.31
76	Distribution cables (excluding LV)	21	1,135	1.85
77	Distribution other (excluding LV)	134		
78	Total	418		

	C	ompany Name	Aurora E	nergy Limited
		For Year Ended	31 M	arch 2021
	Network / Sub-		Dunedin	Sub-network
c	CHEDULE 10: REPORT ON NETWORK RELIABILITY			
-			500	
	iis schedule requires a summary of the key measures of network reliability (interruptions, SAIDI, SAIFI and fault rat n their network reliability for the disclosure year in Schedule 14 (Explanatory notes to templates). The SAIFI and SAI			
	iction 1.4 of the ID determination), and so is subject to the assurance report required by section 2.8.	Di information is part c	n auditeu disclosul	e information (as defined in
sch re	ef			
8	10(i): Interruptions			
0		Number of		
9	Interruptions by class	interruptions		
10		1		
11	Class B (planned interruptions on the network)	420		
12	Class C (unplanned interruptions on the network)	186		
13	Class D (unplanned interruptions by Transpower)	_		
14	Class E (unplanned interruptions of EDB owned generation)	_		
15		1		
16	Class G (unplanned interruptions caused by another disclosing entity)	-		
17	Class H (planned interruptions caused by another disclosing entity)	-		
18	Class I (interruptions caused by parties not included above)	2		
19	Total	610		
20				
21	Interruption restoration	≤3Hrs	>3hrs	
22	Class C interruptions restored within	158	28	
23				
24	SAIFI and SAIDI by class	SAIFI	SAIDI	
25		0.00	0.1	
26	Class B (planned interruptions on the network)	0.59	87.1	
27	Class C (unplanned interruptions on the network)	1.01	59.3	
28	Class D (unplanned interruptions by Transpower)	-	-	
29	Class E (unplanned interruptions of EDB owned generation)	-	-	
30	Class F (unplanned interruptions of generation owned by others)	0.02	0.7	
31	Class G (unplanned interruptions caused by another disclosing entity)	-	-	
32	Class H (planned interruptions caused by another disclosing entity)	-	-	
33	Class I (interruptions caused by parties not included above)	0.00	0.0	
34	Total	1.62	147.2	
35				
36	Normalised SAIFI and SAIDI	Normalised SAIFI No	rmalised SAIDI	
30	Classes B & C (interruptions on the network)	N/A N/		
57			~	
38				
30				

	Co	ompany Name	Aurora En	ergy Limited
	Fi	or Year Ended	<b>31 M</b> a	arch 2021
	Network / Sub-n	network Name	Dunedin S	Sub-network
SC	CHEDULE 10: REPORT ON NETWORK RELIABILITY			
This on f	s schedule requires a summary of the key measures of network reliability (interruptions, SAIDI, SAIFI and fault rate) their network reliability for the disclosure year in Schedule 14 (Explanatory notes to templates). The SAIFI and SAID tion 1.4 of the ID determination), and so is subject to the assurance report required by section 2.8.			
39 40	10(ii): Class C Interruptions and Duration by Cause			
41	Cause	SAIFI	SAIDI	
42	Lightning	-	-	
43	Vegetation	0.11	8.0	
44	Adverse weather	-	-	
45	Adverse environment	0.00	0.0	
46	Third party interference	0.10	11.2	
47	Wildlife	0.01	0.7	
48	Human error	0.16	2.2	
49	Defective equipment	0.45	26.3	
50 51	Cause unknown	0.18	11.0	
52 53	10(iii): Class B Interruptions and Duration by Main Equipment Involved			
54	Main equipment involved	SAIFI	SAIDI	
55	Subtransmission lines	-	-	
56	Subtransmission cables	-		
57	Subtransmission other	-	-	
58	Distribution lines (excluding LV)	0.34	68.2	
69 60	Distribution cables (excluding LV)	0.01	1.2 17.6	
00	Distribution other (excluding LV)	0.24	17.0	
61 62	10(iv): Class C Interruptions and Duration by Main Equipment Involved			
63	Main equipment involved	SAIFI	SAIDI	
64	Subtransmission lines	0.07	3.3	
65	Subtransmission cables	-	_	
66	Subtransmission other	0.12	7.7	
67	Distribution lines (excluding LV)	0.48	39.1	
68	Distribution cables (excluding LV)	0.02	0.8	
69	Distribution other (excluding LV)	0.31	8.4	
70	10(v): Fault Rate			
71	Main equipment involved	lumber of Faults Cir	rcuit length (km)	Fault rate (faults per 100km)
72	Subtransmission lines	8	144	5.57
73	Subtransmission cables	-	66	-
74	Subtransmission other	2		
75	Distribution lines (excluding LV)	76	735	10.34
76	Distribution cables (excluding LV)	5	324	1.54
77	Distribution other (excluding LV)	79		
78	Total	170		

		Company Name	Aurora	Energy Limited
		For Year Ended		March 2021
	Network / Sub			d Wanaka Sub-networ
~		network nume	chirdi Otago un	
	CHEDULE 10: REPORT ON NETWORK RELIABILITY			
	s schedule requires a summary of the key measures of network reliability (interruptions, SAIDI, SAIFI and fault rai			
	their network reliability for the disclosure year in Schedule 14 (Explanatory notes to templates). The SAIFI and SA tion 1.4 of the ID determination), and so is subject to the assurance report required by section 2.8.	IDI Information is p	art of audited disclos	ure information (as defined in
sch re	f			
8	10(i): Interruptions			
0		Number of		
9	Interruptions by class	interruptions		
10	Class A (planned interruptions by Transpower)	_		
11	Class B (planned interruptions on the network)	394		
12	Class C (unplanned interruptions on the network)	216		
13	Class D (unplanned interruptions by Transpower)	_		
14	Class E (unplanned interruptions of EDB owned generation)	-		
15	Class F (unplanned interruptions of generation owned by others)	1		
16	Class G (unplanned interruptions caused by another disclosing entity)	-		
17	Class H (planned interruptions caused by another disclosing entity)	-		
18	Class I (interruptions caused by parties not included above)	2		
19	Total	613		
20				
21	Interruption restoration	≤3Hrs	>3hrs	
22	Class C interruptions restored within	152	64	
23				
24	SAIFI and SAIDI by class	SAIFI	SAIDI	
25	Class A (planned interruptions by Transpower)	-	-	
26	Class B (planned interruptions on the network)	0.99	218.6	
27	Class C (unplanned interruptions on the network)	2.72	238.5	
28	Class D (unplanned interruptions by Transpower)	-	-	
29	Class E (unplanned interruptions of EDB owned generation)	-	-	
30	Class F (unplanned interruptions of generation owned by others)	0.00	0.5	
31	Class G (unplanned interruptions caused by another disclosing entity)	-	-	
32	Class H (planned interruptions caused by another disclosing entity)	-		
33	Class I (interruptions caused by parties not included above)	0.02	1.0	
34	Total	3.73	458.5	
35				
36	Normalised SAIFI and SAIDI	Normalised SAIFI	Normalised SAIDI	
37	Classes B & C (interruptions on the network)	N/A	N/A	
38				

		Company Name	Aurora	Energy Limited
		For Year Ended	31	March 2021
	Network / Sul	o-network Name	entral Otago an	d Wanaka Sub-networ
S	CHEDULE 10: REPORT ON NETWORK RELIABILITY			
Th	is schedule requires a summary of the key measures of network reliability (interruptions, SAIDI, SAIFI and fault ra their network reliability for the disclosure year in Schedule 14 (Explanatory notes to templates). The SAIFI and S ction 1.4 of the ID determination), and so is subject to the assurance report required by section 2.8.			
39 40	10(ii): Class C Interruptions and Duration by Cause			
41	Cause	SAIFI	SAIDI	
42	Lightning	0.04	2.5	
43	Vegetation	0.56	30.7	
44	Adverse weather	0.01	2.1	
45	Adverse environment	0.00	0.0	
46	Third party interference	0.14	5.5	
47	Wildlife	0.11	16.0	
48	Human error	0.13	9.9	
49	Defective equipment	1.13	123.3	
50 51	Cause unknown	0.61	48.3	
52 53	10(iii): Class B Interruptions and Duration by Main Equipment Involved			
54	Main equipment involved	SAIFI	SAIDI	
55	Subtransmission lines	-	-	
56	Subtransmission cables	-	-	
57	Subtransmission other	-	-	
58	Distribution lines (excluding LV)	0.73	151.7	
69	Distribution cables (excluding LV)	0.06	13.3	
60	Distribution other (excluding LV)	0.20	53.6	
61 62	10(iv): Class C Interruptions and Duration by Main Equipment Involved			
63	Main equipment involved	SAIFI	SAIDI	
64	Subtransmission lines	0.38	30.0	
65	Subtransmission cables			
66 67	Subtransmission other Distribution lines (excluding LV)	0.08	28.2 103.0	
68	Distribution rables (excluding LV)	0.33	47.2	
69	Distribution other (excluding LV)	0.53	30.0	
70	10(v): Fault Rate			
				Fault rate (faults
71	Main equipment involved		Circuit length (km)	per 100km)
72	Subtransmission lines	12	301	3.99
73	Subtransmission cables	-	8	-
74	Subtransmission other	2		
75	Distribution lines (excluding LV)	130	1,275	10.20
76	Distribution cables (excluding LV)	10 34	531	1.88
77 78	Distribution other (excluding LV) Total	34 188		
78	iotal	188		

	(	Company Name	Aurora	Energy Limited
		For Year Ended	31 N	Aarch 2021
		network Name	Oueensto	wn Sub-network
c	CHEDULE 10: REPORT ON NETWORK RELIABILITY			
-			500	
	nis schedule requires a summary of the key measures of network reliability (interruptions, SAIDI, SAIFI and fault rat n their network reliability for the disclosure year in Schedule 14 (Explanatory notes to templates). The SAIFI and SA			
	ection 1.4 of the ID determination), and so is subject to the assurance report required by section 2.8.		t of addited disclose	are information (as defined in
sch r				
8	10(i): Interruptions			
0		Number of		
9	Interruptions by class	interruptions		
10	Class A (planned interruptions by Transpower)	-		
11	Class B (planned interruptions on the network)	114		
12	Class C (unplanned interruptions on the network)	88		
13	Class D (unplanned interruptions by Transpower)	-		
14	Class E (unplanned interruptions of EDB owned generation)	-		
15	Class F (unplanned interruptions of generation owned by others)	-		
16	Class G (unplanned interruptions caused by another disclosing entity)	-		
17	Class H (planned interruptions caused by another disclosing entity)	-		
18		-		
19		202		
20				
21	- · · · · · · · · · · · · · · · · · · ·	≤3Hrs	>3hrs	
22 23		75	13	
_				
24		SAIFI	SAIDI	
25		-	-	
26		0.55	193.7	
27 28		1.85	137.6	
20				
30				
31		_		
32		-	-	
33	,	-	_	
34		2.40	331.4	
35				
36	r		Normalised SAIDI	
37	Classes B & C (interruptions on the network)	N/A	N/A	
20				
38				

	C	ompany Name	Aurora	Energy Limited
		For Year Ended	31 1	March 2021
	Network / Sub-	network Name	Queensto	wn Sub-network
S	CHEDULE 10: REPORT ON NETWORK RELIABILITY			
Th	is schedule requires a summary of the key measures of network reliability (interruptions, SAIDI, SAIFI and fault rate their network reliability for the disclosure year in Schedule 14 (Explanatory notes to templates). The SAIFI and SAI ction 1.4 of the ID determination), and so is subject to the assurance report required by section 2.8.			
39 40	10(ii): Class C Interruptions and Duration by Cause			
41	Cause	SAIFI	SAIDI	
42	Lightning	-	-	
43	Vegetation	0.72	56.4	
44	Adverse weather	-	-	
45	Adverse environment	-	-	
46	Third party interference	0.22	13.7	
47	Wildlife	0.00	0.1	
48	Human error	0.12	8.4	
49	Defective equipment	0.23	13.5	
50 51	Cause unknown	0.57	45.4	
52 53 54	10(iii): Class B Interruptions and Duration by Main Equipment Involved Main equipment involved	SAIFI	SAIDI	
54 55	Subtransmission lines	SAIFI	SAIDI	
56	Subtransmission rables			
57	Subtransmission cables			
58	Distribution lines (excluding LV)	0.24	86.5	
69	Distribution cables (excluding LV)	0.06	28.5	
60	Distribution other (excluding LV)	0.24	78.7	
61 62	10(iv): Class C Interruptions and Duration by Main Equipment Involved			
63	Main equipment involved	SAIFI	SAIDI	
64	Subtransmission lines	0.17	13.9	
65 66	Subtransmission cables Subtransmission other		-	
67	Distribution lines (excluding LV)	1.32	101.4	
68	Distribution cables (excluding LV)	0.05	2.9	
69	Distribution other (excluding LV)	0.32	19.4	
70	10(v): Fault Rate			
71	Main equipment involved	Number of Faults	Circuit length (km)	Fault rate (faults per 100km)
72	Subtransmission lines	2	79	2.53
73	Subtransmission cables	-	12	-
74	Subtransmission other	-		
75	Distribution lines (excluding LV)	31	288	10.76
76	Distribution cables (excluding LV)	6	278	2.16
77	Distribution other (excluding LV)	21		,I
78	Total	60		

Company Name Auro	ora Energy Limited
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For Year Ended

### 31 March 2021

# Schedule 14 Mandatory Explanatory Notes

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

- 1. This schedule requires EDBs to provide explanatory notes to information provided in accordance with clauses 2.3.1, 2.4.21, 2.4.22, and subclauses 2.5.1(1)(f),and 2.5.2(1)(e).
- 2. This schedule is mandatory—EDBs must provide the explanatory comment specified below, in accordance with clause 2.7.1. Information provided in boxes 1 to 11 of this schedule is part of the audited disclosure information, and so is subject to the assurance requirements specified in section 2.8.
- 3. Schedule 15 (Voluntary Explanatory Notes to Schedules) provides for EDBs to give additional explanation of disclosed information should they elect to do so.
- 4. Return on Investment (Schedule 2)
- 5. 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

The RY21 ROI continues the trend of recent years of being well below the estimate of WACC used to set Aurora Energy's price path. The RY21 ROI is below the 25th percentile of WACC that has been estimated by the Commerce Commission for Information Disclosure purposes. There have been no items reclassified in accordance with clause 2.7.1(2).

# Regulatory Profit (Schedule 3)

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

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

Regulatory profit for the year to 31 March 2021 is \$9.6m. This represents a \$2.3m decrease from the previous year. The decrease was largely related to lower revaluations of \$3.9m.

The 'other regulated income' of \$0.9m is predominantly income received to reimburse Aurora Energy's operational costs that arise from network damage by the third parties.

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

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

**Box 3: Explanatory comment on merger and acquisition expenditure** There were no merger and acquisition costs incurred.

#### Value of the Regulatory Asset Base (Schedule 4)

8. 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) grew by \$49.9m during the year (2020: \$42.8m), an increase of \$7.1m on the prior year. The main drivers of this were an increase in commissioned assets (\$11.8), and found assets (\$2.6m), which were partially offset by an increase in depreciation (\$3.5m) and lower revaluation gains of \$3.9m.

Further information on found assets is contained in Box 1 of Schedule 15.

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

- 9. In the box below, provide descriptions and workings of the material items recorded in the following asterisked categories of 5a(i) of Schedule 5a-
  - 9.1 Income not included in regulatory profit / (loss) before tax but taxable;
  - 9.2 Expenditure or loss in regulatory profit / (loss) before tax but not deductible;
  - 9.3 Income included in regulatory profit / (loss) before tax but not taxable;
  - 9.4 Expenditure or loss deductible but not in regulatory profit / (loss) before tax.

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

The amount of \$13,219 relating to 'Expenditure or loss in regulatory profit or (loss) before tax but not deductible' is non-deductible entertainment.

The amount of \$1,242,845 relating to 'Expenditure or loss deductible but not in regulatory profit / (loss) before tax' relates to payments for leases that are now classified as right of use (ROU) assets.

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

10. 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 timing differences of \$1,239,368 recorded in the current disclosure year relate to the tax effect of income spreading over 10 years on customer initiated works (\$1,175,817), downward movements in provision for expected credit losses (doubtful debts) (\$105,000), and increase in employee entitlements (\$168,551).

The deferred tax balance (-\$190,000) on found assets of has been included in line 70 "Deferred tax balance relating to assets acquired in the disclosure year".

Further information on found assets is contained in Box 1 of Schedule 15.

# Cost allocation (Schedule 5d)

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

#### Box 7: Cost allocation

Operating costs are all directly attributable to the regulated business with the exception of shared service costs within business support. Shared services costs in RY21 related to information technology were allocated to an unregulated business.

There have been no items reclassified in accordance with clause 2.7.1(2).

# Asset allocation (Schedule 5e)

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

#### Box 8: Commentary on asset allocation

Some non-network assets have been allocated to the RAB based on a proxy allocator of employee full-time equivalents. The rationale for the proxy allocated is based on analysis of what the assets were that are shared with a non-regulated business and the key drivers of these assets as determined by management.

In RY21 we identified fibre assets that are used for communication on the Aurora Energy network that had been excluded from the RAB in prior regulatory years. Further information on found assets is contained in Box 1 of Schedule 15.

There have been no items reclassified in accordance with clause 2.7.1(2).

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

- 13. In the box below, comment on expenditure on assets for the disclosure year, as disclosed in Schedule 6a. This comment must include-
  - 13.1 a description of the materiality threshold applied to identify material projects and programmes described in Schedule 6a;
  - 13.2 information on reclassified items in accordance with subclause 2.7.1(2).

#### Box 9: Explanation of capital expenditure for the disclosure year

Aurora Energy's Asset Management Plan identifies a program of work consisting of a set of defined projects which are to be undertaken in any regulatory year. These projects are the basis on which the year's disclosed capital expenditure is based. All projects are identified by the capital expenditure classification (renewal, growth and security, reliability, customer connections, asset relocations and non-network). The projects and programmes described in Schedule 6a have been included because they are the projects or programmes within the expenditure category that represent significant portions of expenditure within that category.

Consumer connection capital expenditure, disclosed in 6a(iii), is all connections. Insufficient data is currently captured to align that expenditure with consumer load groups. The listed projects within this schedule are the higher value projects included within the specific reporting categories.

There have been no items reclassified in accordance with clause 2.7.1(2).

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

- 14. In the box below, comment on operational expenditure for the disclosure year, as disclosed in Schedule 6b. This comment must include-
  - 14.1 Commentary on assets replaced or renewed with asset replacement and renewal operational expenditure, as reported in 6b(i) of Schedule 6b;
  - 14.2 Information on reclassified items in accordance with subclause 2.7.1(2);

14.3 Commentary on any material atypical expenditure included in operational expenditure disclosed in Schedule 6b, a including the value of the expenditure the purpose of the expenditure, and the operational expenditure categories the expenditure relates to.

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

For the first year of DPP3, RY21, Aurora invested in its network at levels that exceeded the expenditure allowances for which it was compensated for under the default price-quality path regime. Aurora Energy is committed to extra resourcing to support the ongoing network investment to deliver safe and reliable services to our customers. Significant external costs were also being incurred as Aurora Energy lifted its asset management maturity in advance of a customised price-quality path application that was approved in March 2021.

There have been no material items of atypical expenditure.

There have been no items reclassified in accordance with clause 2.7.1(2).

# Variance between forecast and actual expenditure (Schedule 7)

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

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

Overall, Aurora Energy's total asset expenditure was \$7.9m lower than forecast (-11%).

#### Capital expenditure:

Capital expenditure on consumer connections reflects continuing higher than expected levels of development activity, mainly within the Central Otago subnetwork.

System growth expenditure was lower than forecast largely due to scoping and design delays to the following projects:

- new capacitors in the Upper Clutha area;
- extension of the Cardrona 11kV feeder cable; and
- reconfiguration of the Arrowtown zone substation.

Asset replacement and renewal expenditure variance is largely related to delays to the following project and programme:

- Berwick to Outram B line upgrade; and
- renewal of 6.6/11kV overhead conductor on the Dunedin subnetwork.

Asset relocations variance was minimal.

Total reliability, safety and environment was higher than forecast due to additional expenditure relating to seismic strengthening of zone substations on the network.

Non-network capex was lower than expected due to a delay in commencing our Asset Management System project.

#### Operational expenditure:

Service interruptions and emergencies expenditure was lower than forecast predominantly due to a refinement of our internal processes, which has resulted in a more precise allocation of expenditure associated with fault responses to operational and capital expenditure.

Vegetation management expenditure variance was minimal.

Routine and corrective maintenance and inspection expenditure variance is due to a catch up of prior year work and the completion of the RY21 programme.

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

- 16. In the box below provide-
  - a comparison of the target revenue disclosed before the start of the disclosure year, in accordance with clause 2.4.1 and subclause 2.4.3(3) to total billed line charge revenue for the disclosure year, as disclosed in Schedule 8; and

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

#### **Box 12: Explanatory comment relating to revenue for the disclosure year** <u>Total Revenue:</u>

The total delivery revenue target was \$97.374 million (2020 pricing methodology).

In Schedule 8 (Total Network), we have reported total delivery revenue of \$98.409 million. This is a difference of \$1.035 million (1.1%) above target. It is generally expected that total billed line charge revenue for an assessment period will be different from target revenue due to variation in connection numbers and energy demand.

#### Residential Revenue:

In this assessment period, the volume of energy delivered to Residential consumers (the only consumer groups with volume-based pricing) increased from the prior year (by 1.8%). Energy delivered to Residential connections for the year ended 31 March 2021 was 629.1GWh compared with 618.3GWh last year.

The average number of Residential connections increased by 1.2% during the assessment period. The average number of residential connections for the year ended 31 March 2021 was 77,158, compared with 76,232 for the year ended 31 March 2020.

The average energy use per Residential consumer in this assessment period has increased from 8,110kWh for the year ended 31 March 2020 to 8,153kWh in this assessment period.

#### <u>General Revenue:</u>

The average number of General connections, which are priced predominantly on the basis of demand and capacity, increased from 14,835 in RY20 to 14,926 in this assessment period (0.6%). This increase was smaller than previous years, likely reflecting the impact of the Covid 19 pandemic.

The distinction between Residential and General connections is explained in section 4 (page 33) of Aurora Energy's Use-of-System Pricing Methodology, available from <a href="http://www.auroraenergy.co.nz/disclosures/pricing/pricing-methodologies">http://www.auroraenergy.co.nz/disclosures/pricing/pricing-methodologies</a>.

#### Network Reliability for the Disclosure Year (Schedule 10)

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

#### Box 13: Commentary on network reliability for the disclosure year

Supplementing the definitions contained in the Electricity Distribution Information Disclosure Determination 2012, the following categorisations are disclosed:

- Overhead (subtransmission and distribution) includes poles, stay-wires, crossarms, braces, insulators, conductor (including droppers and connectors), binders and ties.
- Underground (subtransmission and distribution) includes cable, mounting brackets, terminations and potheads.
- Other (subtransmission and distribution) includes HV fuses (including fuse operation), lightning arrestors, transformers, switchgear, switching and control errors.
- Faults include unplanned events <1 minute, and events not resulting in loss of supply to a consumer, which would otherwise be excluded from consideration as an interruption. This, in our view, meets the broad definition of "Fault" given in the Determination – "a physical condition that causes a device, component or network element to fail to perform in the required manner".

Specific commentary on matters relating to Aurora Energy's reliability performance for the disclosure year is contained in Aurora Energy's Annual Compliance Statement (2021), available from <u>https://www.auroraenergy.co.nz/disclosures/price-guality-path/</u>.

#### Insurance cover

- 18. In the box below, provide details of any insurance cover for the assets used to provide electricity distribution services, including-
  - 18.1 The EDB's approaches and practices in regard to the insurance of assets used to provide electricity distribution services, including the level of insurance;
  - 18.2 In respect of any self insurance, the level of reserves, details of how reserves are managed and invested, and details of any reinsurance.

#### Box 14: Explanation of insurance cover

Insurance cover has been obtained/is in place for zone substations, both for the buildings and the plant and equipment contained within them. The material damage (including flood, earthquake etc.) cover for the zone substations and associated equipment is on a replacement cost basis. Material Damage Insurance cover has been obtained for some distribution assets including distribution substations, transformers and switches.

Other distribution assets including distribution poles, lines and cables etc. are not currently insured due to the unavailability of commercial policy terms, geographical spread, the lower value of the individual assets and the reduced likelihood of significant loss on any less than region wide event.

#### Amendments to previously disclosed information

- 19. In the box below, provide information about amendments to previously disclosed information disclosed in accordance with clause 2.12.1 in the last 7 years, including:
  - 19.1 a description of each error; and
  - 19.2 for each error, reference to the web address where the disclosure made in accordance with clause 2.12.1 is publicly disclosed.

**Box 15: Disclosure of amendment to previously disclosed information** There have been no amendments to previously disclosed information. Company Name Aurora Energy Limited

For Year Ended 31 March 2021

# Schedule 15 Voluntary Explanatory Notes

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

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

#### Box 1: Found Assets

The fibre network was originally constructed from mid-2009 to 2011 in the lead up to the Government's (Crown Fibre Holdings) Ultra-Fast Broadband roll-out initiative. At that time Delta/Aurora Energy submitted an offer to partner with the Government on the deployment of an ultra-fast broadband network in Dunedin, however the bid was ultimately unsuccessful, and the Dunedin area became part of Telecom's nationwide network build.

In recent years the fibre network has continued to serve a relatively small and declining number of external customers, however the more strategic and predominant use of these assets, over the past five years, has been their successful deployment as critical components of our zone substation communications network in Dunedin. The historical network has been leveraged to connect 12 critical zone substations at Halfway Bush, Smith Street, South City, Anderson Bay, St Kilda, Corstorphine, Green Island, Kaikorai Valley, North City, Ward Street, Willowbank and North East Valley, with our Network Operating Centre (control room) in Halsey Street, Dunedin.

This communications platform is now integral to the means by which we operate and manage our electricity network assets in Dunedin.

The network comprises of ducting/high speed broadband fibre and our assessment is that at least 75.5% of the network is utilised for communications between the Dunedin zone substation sites.

The fibre network has previously been excluded from RAB until 31 March 2021. The book value at this time was \$3.42m and \$2.58m was allocated to RAB. The fibre network had a tax book value of \$2.52m and \$1.90m was added to the regulatory tax asset valuation (RTAV). The deferred tax balance on found assets equated to -\$0.19 m ((\$1.90-2.58) x 28%).

#### Box 2: Incremental Rolling Incentive Scheme (IRIS)

Aurora Energy is subject to an incremental rolling incentive scheme (IRIS) under price-quality regulation. The IRIS seeks to incentivise EDBs to control expenditure by penalising them if they exceed expenditure allowances, determined by the Commerce Commission, and rewarding them if expenditure is below the allowance.

In the second DPP period, Aurora Energy exceeded its operational expenditure (opex) allowances in several years, as it sought to address a maintenance backlog. This has resulted in a significant IRIS penalty of \$18.470 million, which must be paid back to customers in the 2021 pricing year by reducing prices. This adjustment is shown in Schedule 2.

IRIS allowances are a designated recoverable cost in price-quality regulation and are therefore recovered through pass-through prices, rather than distributions prices; however, our pricing methodology does not explicitly allow for allocation of very large incentive amounts. Accordingly, we have had to exercise judgement as to how the penalty is allocated to pricing areas and load groups.

We have decided to allocate the IRIS incentive to pricing areas and load groups in proportion to last year's revenue recoveries in those areas and groups. We consider this is the most equitable way of allocating the incentive – customers who paid greater charges in the past, when Aurora Energy's expenditure allowances were being exceeded, should receive a greater share of the money being returned.

Having allocated to pricing areas and load groups, we then needed to decide, for customer on General pricing plans<sup>1</sup>, whether the incentive should be passed through in the Capacity or CPD component of pass-through prices (or both). We decided to pass the incentive to customers through the Capacity component since the CPD price component is avoidable (or able to be reduced) for consumers who can eliminate or reduce their demand during control periods, whereas the Capacity component is not avoidable. This ensures that all customers receive a share of the money being returned.

<sup>1</sup> This consideration is not required for customers on Residential pricing, since there is only one pass-through price component.

#### Box 3: Disclosure by sub-network

Following feedback received from the Commerce Commission early in 2021, we have revised our approach to sub-network reporting. While our previous disclosures have complied with the Electricity Distribution Information Disclosure Determination 2012 (Determination), it has been noted that there are definitional inconsistencies between the Determination and the Commission's comments in its Information Disclosure for Electricity Distribution Businesses and Gas Pipeline Businesses: Final Reasons Paper (Reasons Paper). Consistent with the additional definitions given in the Reasons Paper, we are now reporting our sub-networks in a manner that aligns to our pricing regions. This means for RY21, we have reported the following sub-networks for schedules 8, 9a, 9b, 9c, 9e and 10:

- Dunedin;
- Central Otago and Wanaka; and
- Queenstown.

The change in subnetwork definition has impacted our Schedule 9a reporting (which requires us to report asset quantities at the start of RY21) both on a total network basis and subnetwork basis. Historically, we have reported sub-network information for Dunedin and Central Otago. We therefore do not have opening quantities for the Central Otago & Wanaka and Queenstown sub-networks that correlate to RY20's year-end quantities. For this year's disclosures, we have had to rerun our RY20 data for our sub-networks and for our total network. Despite all reasonable endeavours, at the time of preparing our disclosures each year, we cannot guarantee that all asset additions and removals for the disclosure year have been processed within our GIS system, owing to (1) a need to have a firm cut-off date to allow preparation of disclosures, (2) GIS workloads and (3) occasional late delivery of completion packages by contractors. This means that in any given regulatory year there will be a small number of asset additions and removals reported that relate to the previous regulatory year. Because we have rerun our RY20 data for the subnetworks, and our total network, the opening figures differ in aggregate from those reported in RY20.

#### Box 4: Recording of successive interruptions for the purposes of reliability reporting in Schedule 10

Aurora Energy received an exemption from the Commerce Commission, issued on 17 May 2021, regarding the disclosure and auditing of reliability information within Schedule 10. The information in this box is disclosed in accordance with paragraphs 6 and 7 of that exemption.

**Treatment of successive interruptions between disclosure years 2021 and 2020:** We have treated successive interruptions in the same way for the 2021 disclosure year as we did for the 2020 disclosure year.

**Process applied in recognising successive interruptions following an initial outage:** We have recognised any stage of an outage event that interrupts consumers for a second time, or interrupts 'new' consumers as a result of fault finding, as an additional interruption, strictly in line with the definition of "interruption" included in the Electricity Distribution Information Disclosure Determination 2012.

#### Box 5: Wash-ups

Aurora Energy calculated a "Wash-up Amount" (as that term is defined in the Electricity Distribution Services Default Price-Quality Path Determination 2020), of (\$1.184 million). This amount does not currently fit within the definitions contained within the Electricity Distribution Information Disclosure Determination 2012 and is therefore not reflected within these disclosures.



# 1 Description of the connection between Aurora Energy and its related parties

Pursuant to clause 2.3.8 of the Electricity Distribution Information Disclosure Determination 2012 (Determination), the following table describes the connection between Aurora Energy and the related parties with which it has had related party transactions during the year ended 31 March 2021.

RELATED PARTY	RELATIONSHIP BETWEEN AURORA AND THE RELATED PARTY	PRINCIPAL ACTIVITIES OF THE RELATED PARTY	TOTAL ANNUAL EXPENDITURE INCURRED BY AURORA ENERGY WITH THE RELATED PARTY
Delta Utility Services Limited (Delta)	Aurora Energy and Delta are related by virtue of the fact that DCHL is the ultimate holding company of both Aurora Energy and Delta. DCHL is the sole shareholder of Delta.	Delta is a multi-utility services contractor providing a range of electrical and other services to local authority and private sector clients. The principal activities of Delta are the management, construction, operation and maintenance of electricity and metering infrastructure assets, and the provision of environmental contracting and related services.	\$49,362,000 This expenditure is in relation to operating and capital expenditure incurred by Aurora Energy with Delta.
Dunedin City Holdings Limited (DCHL)	DCHL is the sole shareholder, and ultimate holding company of Aurora Energy.	The principal activity of DCHL is to provide leadership and oversight of its subsidiary and associated companies on behalf of the ultimate shareholder, the DCC. This involves undertaking on-going oversight of subsidiaries' financial and non-financial performance. In carrying out this function the DCHL Board assesses the risks of the activities undertaken by its subsidiaries in the light of the financial sustainability needs of the DCC. Building opportunities for collaborative enterprise and capturing group synergies is an objective of DCHL.	\$50,000 This expenditure is in relation to management fees that are paid by each subsidiary company, of which Aurora is one, to DCHL.
Dunedin City Council (DCC)	The DCC is the sole shareholder of DCHL.	The DCC is the territorial authority for the Dunedin area in accordance with the Local Government Act 2002.	\$790,000 This expenditure is primarily in relation to local rates that are payable to the DCC.

# 2 Summary of Aurora Energy's current procurement policy

Pursuant to clause 2.3.10 of the Determination, the following is a summary of Aurora Energy's current policy in respect of the procurement of assets or goods or services from any related party.

# 2.1 Introduction

Aurora Energy is an electricity distribution business (EDB) which owns and operates electricity distribution networks in Dunedin and Central Otago (including Queenstown Lakes). We own and manage a wide range of assets that are used to transport electricity from the national grid, owned by Transpower, to end-use consumers.

Our role is to ensure the safety and resilience of the network, supplying a reliable electricity service to close to 90,000 homes, farms and businesses throughout the regions we serve.

We are regulated by the Commerce Commission in relation to both the quality of the electricity we supply and the revenue that we are able to generate.

As a result of the regulated constraints within which we operate, it is important for us to ensure that our procurement practices are efficient, controlled and robust. This will result in lower costs to our business, which in turn results in lower costs to consumers in the long term. It will also ensure that we are procuring the right goods and services for our network.

This section 2 summarises briefly the procurement principles that we adopt when procuring goods and services and the procurement methods that we employ.

# 2.2 Procurement Principles

- 1. Plan and manage for great results: we take a strategic approach by considering the long-term benefits, economic impacts and consequences of procurement decisions for Aurora Energy. This means planning procurement requirements in advance, choosing the appropriate procurement method and ensuring we have appropriately skilled and experienced staff to lead procurement activities;
- 2. Be fair to all suppliers: we will ensure that all eligible suppliers have a fair opportunity to participate in procurements by encouraging capable suppliers to respond, treating all suppliers equally and making it easy to deal with us;
- 3. Get the right supplier: while we will not always choose the lowest price, we will choose the right supplier who can deliver what we need, at a fair price and on time. We need to consider safety on, and reliability of, our network, durability, specialised skills that may be required, availability of resources in the current labour market and the sustainability of suppliers on our network;
- 4. Get the best deal for everyone: we will seek the best possible outcome taking into account the total cost of ownership over the whole life of the asset. This means balancing financial and non-financial criteria, balancing risks with benefits, employing robust evaluation processes and working together with suppliers to make ongoing savings and improvements.
- 5. Play by the rules: we must ensure that we are transparent, accountable and acting at all times lawfully by being consistent, adhering to best practice, being accurate and unbiased, acting with integrity and good faith and in accordance with the law.

When procuring goods and services, we may not always choose the lowest price, instead we may, having adhered to the above principles, make robust and sound commercial decisions to ensure that we are getting the best commercial outcome.

When determining the appropriate method of procurement it is important to consider the criticality of the goods or services to be supplied and the risks or business impact of non-supply. The identification of low value, low risk goods and services versus high value, highly critical goods or services helps to inform the appropriate procurement method to use.

# 2.3 Procurement methods

We employ the following procurement methods in the course of our business:

- direct procurement: in certain circumstances it will be appropriate to procure goods and services directly from one supplier, for example where the goods and services are low in both value and risk, or where the goods and services are both high in value and risk. This may also be an appropriate method of procurement where the circumstances are unforeseen and an urgent response is required;
- written quotations: this is appropriate where the good or service being procured is lower in value, but higher in risk;
- **tender:** where the good or service being procured is high in both value and risk, a formal tender process (either open or selective) may be conducted). It may be necessary for tender participants to be approved by Aurora Energy to work on our distribution network, and to design and construct additions to the network. Please contact us to become an "Aurora Authorised Contractor";
- **panel arrangement:** for certain works, we have a panel arrangement in place with several contractors who operate on our distribution network. We adopt this approach to ensure that we are able to deliver our works programme and have the capacity and capabilities on our network to do so;
- All-of-Government contract: Aurora Energy is a party to several All-of-Government contracts and benefits from the bulk-purchasing power associated with those contracts; and
- **Group purchasing:** Aurora Energy is a subsidiary of Dunedin City Holdings Limited and in certain situations has the ability to use the bulk-purchasing power associated with that group.

The following table provides a representative example of the procurement methods that we employ in relation to each category of expenditure.

TYPE OF EXPENDITURE	PROCUREMENT METHODS
OPERATING EXPENDITURE	
<ul> <li>Non-network operating expenditure:</li> <li>business support</li> <li>system operations and network support</li> </ul>	<ul> <li>Direct procurement – low value, low risk</li> <li>Written quotes</li> <li>All-of-Government</li> <li>Group purchasing</li> </ul>
<ul> <li>Network operating expenditure:</li> <li>routine and corrective maintenance and inspection</li> <li>vegetation management</li> <li>asset replacement and renewal</li> <li>service interruptions and emergencies</li> </ul>	<ul><li>Panel arrangement</li><li>Direct procurement</li></ul>
CAPITAL EXPENDITURE	
Customer initiated works	• Customer-led (a customer or developer may use their own designer and builder provided that they are an Aurora Authorised Contractor).
<ul> <li>Network and non-network capital expenditure:</li> <li>system growth</li> <li>reliability, safety and environment</li> <li>asset replacement and renewal</li> <li>asset relocations</li> <li>non-system fixed assets (ie IT systems, asset management systems, office buildings and furniture, motor vehicles).</li> </ul>	<ul> <li>Panel arrangement</li> <li>Direct procurement</li> <li>Tender</li> <li>All-of-Government</li> </ul>

# 3 Application of procurement policy

Pursuant to clause 2.3.12 of the Determination, the following illustrates Aurora Energy's application of its current policy in respect of the procurement of assets or goods or services from a related party.

# 3.1 Description of application of Aurora Energy's current procurement policy for the procurement of assets or goods or services from a related party in practice

Historically, Delta undertook both asset management and service provider roles on behalf of Aurora Energy, the asset owner. Following an independent review in early 2017, our shareholder, DCHL, sought formal separation of the two businesses. From 1 July 2017, Aurora Energy became a standalone regulated asset owner and manager, with accountability for providing electricity distribution services.

The separation reinforces that Aurora Energy has a clear responsibility to seek the best available services from the market on behalf of its customers. In order to achieve this, we have introduced contestable performance-based service delivery arrangements with two additional field service providers - Unison Contracting based in Dunedin, and Connetics based in Central Otago. Our new contracts with Unison and Connetics took effect from 1 April 2019. Unison Contracting and Connetics appointment as contractors on our network sees them carrying out renewal, maintenance and development work.

This new arrangement between the three contractors has been consolidated in the field services agreement (FSA) that we have entered with each contractor. Each FSA has an initial term of three

years, which provides us with an opportunity on a regular basis to refresh and test our contractual relationship.

Given our specialised needs as an electricity distributor, while we acknowledge that it is important that we are clear about our needs, we need to choose suppliers who can deliver what we need, at a fair price and on time. We need to consider the safety of both consumers and contractors on our network, our ability to provide a reliable supply of electricity to consumers on the network, specialised skills that are required to deliver the work we require, the availability of resources in the current labour market and the sustainability of specialist skill sets within our network and the viability of incumbent service providers.

Traditionally Delta has delivered a large portion of our network operational and capital expenditure works. The skills required to operate on, and knowledge of, our network that it has gained over years, together with the fact that there has traditionally not been any other service provider on the network means that Delta remains, at this point in time, the contractor on our network that is best placed to perform certain types of work, for example first response and fault repair and vegetation management. However, with Unison and Connetics having now established themselves as additional service providers, we need to continue to monitor the application of our procurement policies to ensure that our procurement practices remain efficient. We also need to ensure that those practices are providing the means and incentives for Unison and Connetics to offer alternative solutions and further embed themselves as long-term contractors on our network and to be able to offer Aurora Energy alternative solutions to works delivery. We also understand the need to provide Unison and Connetics with sufficient work to ensure their viability on our network.

In addition to our FSA arrangements, we also operate an external tender market into which works are submitted each year and approved contractors (in addition to our FSA partners) are invited to tender. Delta, plus the other FSA providers and other approved contractors participate in this external tender market.

We also have established an Engineering Services Consultancy Panel to provide specific electricity design services for asset replacement and renewal, and growth projects. The panel consists of engineering consulting and design companies, including Delta and Connetics.

Together with the other approved contractors on our network, Delta provides customer connection services at market value rates. Under our new customer initiated works model, customers or developers are able to choose their own designer and builder from a panel of approved contractors operating on our network.

Internally, staff responsibilities and purchasing controls are managed by delegated financial authorities and claim verification procedures. Our procurement activities are also overseen by the Audit and Risk Committee of the Board.

Our procurement policy details the methods that we use to procure goods and services from any party, whether they be related or not, and those methods are contained in the summary at section 2 above.

# 3.2 Policies or procedures that require or have the effect of requiring a consumer to purchase assets or goods or services from a related party

Aurora does not have policies or procedures that require a consumer to purchase goods or services from a related party. Aurora has a selection of approved contractors operating on the network, from which customers can choose from.

3.3 Representative example transactions from the year ended 31 March of how the current policy for the procurement of assets or goods or services from a related party is applied in practice, including separate representative example transactions where Aurora Energy has applied the policy significantly differently between expenditure categories

EXPENDITURE CATEGORY	REPRESENTATIVE EXAMPLE	PROCUREMENT METHOD	HOW AND WHEN ARM'S LENGTH TERMS LAST TESTED			
Operating expenditure						
Service interruptions and emergencies	Response to a fault that was caused by a broken power pole	Services were procured through the negotiated FSA	The terms upon which services are provided, and the rates at which services are charged, were tested in 2018 during the development of the three FSAs.			
Vegetation management	Liaison and cutting on specified feeders	Services were procured through the negotiated FSA	The terms upon which services are provided, and the rates at which services are charged, were tested in 2018 during the development of the three FSAs.			
Routine and corrective maintenance and inspection	Inspection of a ring main unit	Services were procured through the negotiated FSA	The terms upon which services are provided, and the rates at which services are charged, were tested in 2018 during the development of the three FSAs.			
System operations and network support	Provision of logistic services, including provision of storage facilities	Services were procured through the negotiated FSA	The terms upon which services are provided, and the rates at which services are charged, were tested in 2018 during the development of the three FSAs.			
Business support	Rental of office premises	Direct procurement	Market lease rates were tested on 29 March 2018 when an independent valuation report was obtained.			
Capital expenditure						
Asset replacement and renewal	Replacement of conductor and poles	Services were procured through the negotiated FSA	The terms upon which services are provided, and the rates at which services are charged, were tested in 2018 during the development of the three FSAs.			

EXPENDITURE CATEGORY	REPRESENTATIVE EXAMPLE	PROCUREMENT METHOD	HOW AND WHEN ARM'S LENGTH TERMS LAST TESTED
	Upgrade of overhead sub-transmission poles and conductor	Tender	The terms were last tested on 27 November 2020.
Asset relocations	Replacement of overhead network with underground cables	Direct procurement	The terms upon which services are provided, and the rates at which services are charged, were evaluated against prices charged by the contractor, and other contractors, for similar works. The terms were last tested on 24 September 2020.
Reliability, safety and environment	Installation of voltage regulators	Services were procured through the negotiated FSA	The terms upon which services are provided, and the rates at which services are charged, were tested in 2018 during the development of the three FSAs.
Non-network assets	Modification of container at training facility	Direct procurement	Not tested.

# 4 Map of anticipated network expenditure and network constraints

Pursuant to clauses 2.3.13 to 2.3.16 of the Determination, the following tables and associated maps provide detail on Aurora Energy's 10 largest operational and capital expenditure projects in the AMP planning period.

### 4.1 Top 10 operational and capital expenditure projects

The following tables and corresponding maps identify our largest anticipated operational and expenditure projects on our network in the AMP planning period. The legends contained on the maps of our subnetworks correspond to the project number in each table.

#### 4.1.1 Operational expenditure projects

In relation to operational expenditure, we have four main programmes of work that affect the whole of our network:

- preventive maintenance;
- reactive maintenance;
- vegetation management; and
- corrective maintenance.

We have included details of each of these programmes in the table below and have identified, for preventive and corrective maintenance, those subprogrammes that sit within each of those that contribute to our ten largest operational expenditure programmes.

FUTURE NETWORK OR EQUIPMENT CONSTRAINT THAT THE		LIKELY TIMING OF THE PROJECT	LIKELY VALUE OF THE PROJECT	LOCATION OF THE PROJECT	CONTRACTUAL STATUS
Oper	ational expenditure				
1.	Preventive MaintenanceThisprogrammeencompassesroutinemaintenanceactivitiesincludingtesting,inspections, condition assessments and servicing.We have incorporated high level and lower levelprogrammes (where possible) into the top 10 list toshow visibility of high value works of similar type.We have identified our likely spend over the AMPplanning period at a high programme level, while	RY22-31	\$60.9 million	Total network	This programme of works is covered by three FSAs, each of which have a three year term from 1 April 2019 to 31 March 2022. One of the FSAs is with Delta, a related party. We expect the work to be allocated among the three FSA providers.

FUTUI	RIPTION OF THE PROJECT (INCLUDING ANY POSSIBLE RE NETWORK OR EQUIPMENT CONSTRAINT THAT THE ECT ADDRESSES)	LIKELY TIMING OF THE PROJECT	LIKELY VALUE OF THE PROJECT	LOCATION OF THE PROJECT	CONTRACTUAL STATUS
	each lower level programme reflects how that expenditure is allocated in RY22.				
1a.	<b>Pole Inspections</b> This programme of works encompasses the preventive inspection of poles on the Aurora Energy network.	RY22	\$1.8 million	Total network	This programme of works is covered by three FSAs, each of which have a three year term from 1 April 2019 to 31 March 2022. One of the FSAs is with Delta, a related party. We expect the work to be allocated among the three FSA providers.
1b.	<b>RMU Preventive Maintenance</b> This programme of works encompasses the carrying out of preventive maintenance on Aurora Energy's RMUs.	RY22	\$1.0 million	Total network	This programme of works is covered by three FSAs, each of which have a three year term from 1 April 2019 to 31 March 2022. One of the FSAs is with Delta, a related party. We expect the work to be allocated among the three FSA providers.
lc.	<b>Zone Substation Preventive Maintenance</b> This programme of works encompasses the carrying out of preventive maintenance in Aurora Energy's zone substations.	RY22	\$0.8 million	Total network	This programme of works is covered by three FSAs, each of which have a three year term from 1 April 2019 to 31 March 2022. One of the FSAs is with Delta, a related party. We expect the work to be allocated among the three FSA providers.
1d.	<b>Overhead Conductor Inspections</b> This programme of works encompasses the carrying out of preventive inspections on Aurora Energy's overhead conductors.	RY22	\$0.5 million	Total network	This programme of works is covered by three FSAs, each of which have a three year term from 1 April 2019 to 31 March 2022. One of the FSAs is with Delta, a related party. We expect the work to be allocated among the three FSA providers.
le.	Distribution Transformer Inspections	RY22	\$0.4 million	Total network	This programme of works is covered by three FSAs, each of which have a

FUTU	DESCRIPTION OF THE PROJECT (INCLUDING ANY POSSIBLE FUTURE NETWORK OR EQUIPMENT CONSTRAINT THAT THE PROJECT ADDRESSES)		LIKELY VALUE OF THE PROJECT	LOCATION OF THE PROJECT	CONTRACTUAL STATUS
	This programme of works encompasses the carrying out of preventive inspections on Aurora Energy's distribution transformers.				three year term from 1 April 2019 to 31 March 2022. One of the FSAs is with Delta, a related party. We expect the work to be allocated among the three FSA providers.
1f.	<b>LV Enclosure Inspections</b> This programme of works encompasses the carrying out of preventive inspections on Aurora Energy's LV enclosures.	RY22	\$0.2 million	Total network	This programme of works is covered by three FSAs, each of which have a three year term from 1 April 2019 to 31 March 2022. One of the FSAs is with Delta, a related party. We expect the work to be allocated among the three FSA providers.
2.	Reactive Maintenance Expenditure related to unplanned interruptions to the supply of electricity through the Aurora Energy network and emergency events where a fault has occurred, require response by field-based contractors on our network.	RY22-31	RY22-31: \$43.8 million RY22: \$4.7 million	Total network	This programme of works is covered by three FSAs, each of which have a three year term from 1 April 2019 to 31 March 2022. One of the FSAs is with Delta, a related party. Under the FSAs, this programme of works is primarily contracted to a related party, Delta, however two other contractors on our network, to whom we are not related, are contracted to provide additional resource for service interruptions and emergencies.
3.	Vegetation Management Our vegetation management programme includes identification, inspection and assessment of vegetation growing near Aurora Energy's network, notification and liaison with customers and the carrying out of preliminary and physical works.	RY22-31	RY22-31: \$38.9 million RY22: \$5.1 million	Total network	This programme of works is covered by three FSAs, each of which have a three year term from 1 April 2019 to 31 March 2022. One of the FSAs is with Delta, a related party. Under the FSAs, this programme of works is contracted exclusively to Delta.

FUTUR	RIPTION OF THE PROJECT (INCLUDING ANY POSSIBLE RE NETWORK OR EQUIPMENT CONSTRAINT THAT THE ECT ADDRESSES)	LIKELY TIMING OF THE PROJECT	LIKELY VALUE OF THE PROJECT	LOCATION OF THE PROJECT	CONTRACTUAL STATUS
4.	Corrective Maintenance Primarily involves remediating defects, by replacing components or minor assets, or undertaking repairs. Corrective work may be identified during preventive maintenance or fault response. Programmes 4a and 4b below are encompassed within this category of expenditure.	RY22-31	RY22-31: \$27.6 million RY22: \$3.8 million	Total network	This programme of works is covered by three FSAs, each of which have a three year term from 1 April 2019 to 31 March 2022. One of the FSAs is with Delta, a related party. We expect the work to be allocated among the three FSA providers.
4a.	<b>Pole Straightening</b> This programme of work encompasses the straightening of leaning poles that are otherwise in good health and don't require replacement.	RY22	RY21: \$0.2 million	Total network	This programme of works is covered by three FSAs, each of which have a three year term from 1 April 2019 to 31 March 2022. One of the FSAs is with Delta, a related party. We expect the work to be allocated among the three FSA providers.
4b.	<b>Possum and Cable Guard Retrofit Programme</b> This programme of work encompasses the retrofitting of possum guards and cable guards on the Aurora network.	RY22-26	RY22-26: \$1.8 million RY22: \$0.3 million	Total network	This programme of works is covered by three FSAs, each of which have a three year term from 1 April 2019 to 31 March 2022. One of the FSAs is with Delta, a related party. We expect the work to be allocated among the three FSA providers.

### 4.1.2 Capital expenditure projects

In relation to capital expenditure, we have identified our largest programmes of work. These affect the whole of our network, however, we have identified, where relevant, the largest projects that form a part of that programme, which can be easily identified as affecting a specific part of the network.

FUTU	RIPTION OF THE PROJECT (INCLUDING ANY POSSIBLE RE NETWORK OR EQUIPMENT CONSTRAINT THAT THE ECT ADDRESSES)	LIKELY TIMING OF THE PROJECT	LIKELY VALUE OF THE PROJECT	LOCATION OF THE PROJECT	CONTRACTUAL STATUS
Capi	tal expenditure			'	
1.	Pole Replacement This is an ongoing programme of work to replace poles on a condition basis. The replacements involve entire pole assemblies (with crossarms) and may include replacement of pole mounted equipment such as distribution transformers if these are also assessed as being at end of life.	RY22-31	\$80.2 million	Total network	This programme of works is covered by three FSAs, each of which have a three year term from 1 April 2019 to 31 March 2022. One of the FSAs is with Delta, a related party. We expect the work to be allocated among the three FSA providers.
2.	<b>Zone Substation Renewals</b> This is a programme of renewal projects that we plan to undertake at specific zone substations due to assets that have been identified as being in poor condition and having reached end-of-life. Items 6a through 6d describe the four most significant of these renewal projects.	RY22-31	\$76.7 million	Specific zone substations located across the network	Currently not indicated for supply by a related party.
2a.	Andersons Bay Substation Rebuild The equipment contained in the Andersons Bay substation is near-end-of-life and requires renewal. The optimum solution is for the substation to be rebuilt on the existing site.	RY22	\$5.3 million	Andersons Bay, Dunedin	Currently not indicated for supply by a related party.
2b.	Mosgiel Transformer Replacement and 33 kV Outdoor-Indoor ConversionThe equipment contained in the Mosgiel substation is near-end-of-life and requires renewal. This project involves replacing the power transformers and replacing the 33 kV outdoor switchyard with a new switchroom building to house a new 33 kV switchboard.	RY26-27	\$7.5 million	Mosgiel, Dunedin	Currently not indicated for supply by a related party.
2c.	Green Island Substation Rebuild The equipment contained in the Green Island substation is near-end-of-life and requires renewal.	RY23-24	\$6.2 million	Green Island, Dunedin	Currently not indicated for supply by a related party.

FUTURE NETWORK OR EQUIPMENT CONSTRAINT THAT THE		LIKELY TIMING OF THE PROJECT	LIKELY VALUE OF THE PROJECT	LOCATION OF THE PROJECT	CONTRACTUAL STATUS
	The optimum solution is for the substation to be rebuilt on the existing site.				
2d.	Willowbank Substation Renewal The equipment contained in the Willowbank substation is near-end-of-life and requires renewal. The optimum solution involves the replacement of the 6.6 kV switchboard and the power transformers.	RY27-28	\$5.9 million	Willowbank, Dunedin	Currently not indicated for supply by a related party.
3.	<b>Crossarm Replacement</b> This is an ongoing programme of work to replace crossarms on a condition basis.	RY22-31	\$63.2 million	Total network	This programme of works is covered by three FSAs, each of which have a three year term from 1 April 2019 to 31 March 2022. One of the FSAs is with Delta, a related party. We expect the work to be allocated among the three FSA providers.
4.	<b>Distribution Conductor Replacement</b> This is an ongoing programme of work to replace distribution conductor that has reached end-of- life.	RY22-31	\$55.8 million	Total network	This programme of works will likely be provided by a mix of FSAs, each of which have a three year term from 1 April 2019 to 31 March 2022, and competitive tender. One of the FSAs is with Delta, a related party. We expect the work to be allocated among the three FSA providers, and other Approved Contractors.
5.	PoleMountedDistributionTransformerReplacementThis is an ongoing programme of work to replace distribution transformers that have reached end-of- life. It includes pole mount to ground mount conversions of large two pole substations, which are not seismically qualified.	RY22-31	\$33.1 million	Total network	This programme of works is covered by three FSAs, each of which have a three year term from 1 April 2019 to 31 March 2022. One of the FSAs is with Delta, a related party. We expect the work to be allocated among the three FSA providers.

FUTU	RIPTION OF THE PROJECT (INCLUDING ANY POSSIBLE RE NETWORK OR EQUIPMENT CONSTRAINT THAT THE ECT ADDRESSES)	LIKELY TIMING OF THE PROJECT	LIKELY VALUE OF THE PROJECT	LOCATION OF THE PROJECT	CONTRACTUAL STATUS
6.	<b>LV Conductor Replacement</b> This is an ongoing programme of work to replace LV conductor that has reached end-of-life.	RY22-31	\$34.5 million	Total network	This programme of works is covered by three FSAs, each of which have a three year term from 1 April 2019 to 31 March 2022. One of the FSAs is with Delta, a related party. We expect the work to be allocated among the three FSA providers.
7.	Ground Mounted Switchgear Replacements This is an ongoing programme of work to replace ground mounted switchgear that has reached end-of-life.	RY22-31	\$24.1 million	Total network	This programme of works is covered by three FSAs, each of which have a three year term from 1 April 2019 to 31 March 2022. One of the FSAs is with Delta, a related party. We expect the work to be allocated among the three FSA providers.
8.	Subtransmission Conductor Replacement This is an ongoing programme of work to replace subtransmission conductor that has reached end- of-life. The programme includes one significant renewal project that is described below in Item 12a.	RY22-31	\$11.9 million	Total network	This programme of works will likely be provided by a mix of FSAs, each of which have a three year term from 1 April 2019 to 31 March 2022, and competitive tender. One of the FSAs is with Delta, a related party. We expect the work to be allocated among the three FSA providers, and other Approved Contractors.
8a.	Halfway Bush to Waipori 33kV Line Replacement This project sees the rebuild of the three Waipori subtransmission overhead pole line circuits from Halfway Bush to Berwick with two higher capacity circuits, which started in RY21. Timing for later stages will depend on condition profiles of poles on these circuits compared to poles in other areas of the network.	RY22-24	\$8.2 million	Halfway Bush, Dunedin to Berwick	First stage of project (replacement of B Line) commenced in RY21 with Delta, a related party, after a competitive procurement process. Future stages (replacement of A Line and deconstruction of C Line) are currently not indicated for supply by a related party.

FUTU	RIPTION OF THE PROJECT (INCLUDING ANY POSSIBLE RE NETWORK OR EQUIPMENT CONSTRAINT THAT THE IECT ADDRESSES)	LIKELY TIMING OF THE PROJECT	LIKELY VALUE OF THE PROJECT	LOCATION OF THE PROJECT	CONTRACTUAL STATUS
9.	Subtransmission Cable Replacements This is a programme involving the renewal of specific subtransmission cables on our Dunedin network that are in poor condition and have reached end-of-life. Items 13a, 13b and 13c below describe three of the most significant projects.	RY22-31	\$20.3 million	Dunedin	Currently not indicated for supply by a related party.
9a.	Willowbank Cable Replacement and Switchboard This project involves the installation of a 33 kV switchboard at the Willowbank Substation and the replacement of the existing Halfway Bush to Willowbank gas filled, PILC, underground, 33 kV cables. It forms a part of our plan to gradually transition to a meshed sub-transmission network in the Dunedin CBD.	RY27-28	\$7.8 million	Willowbank, Dunedin	Currently not indicated for supply by a related party.
9b.	Corstorphine Cable Replacement This project involves the replacement of the existing oil filled, PILC, 33 kV underground cables that run between the South Dunedin GXP and the Corstophine zone substation.	RY25-26	\$7.3 million	Corstorphine, Dunedin	Currently not indicated for supply by a related party.
9c.	Kaikorai Valley Cable Replacement This project involves the replacement of the existing PILC, 33 kV underground cables that run between the Halfway Bush GXP and the Kaikorai zone substation.	RY23-24	\$5.1 million	Kaikorai Valley, Dunedin	Currently not indicated for supply by a related party.
10	Protection Relay ReplacementThis is an ongoing programme of work to replaceprotection relays that have reached end-of-life.	RY22-31	\$14.5 million	Total network	Currently not indicated for supply by a related party.

### 4.2 Heatmaps

#### 4.2.1 Dunedin subnetwork

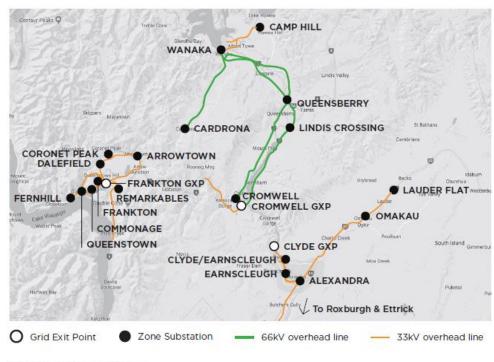


#### Operational Expenditure:

#### 1 - 4 Total network

- Capital Expenditure:
- (1) (3) (8) (10) Total network
- (2a) Andersons Bay substation rebuild
- (2b) Mosglel transformer replacement and 33 kV outdoor-indoor conversion
- (2c) Green Island substation rebuild
- 2d Willowbank substation renewal
- (8a) Haifway Bush to Walpori 33 kV line replacement
- 93 Willowbank cable replacement and switchboard
- (9b) Corstorphine cable replacement
- (9c) Kalkoral Valley cable replacement

#### 4.2.2 Central Otago subnetwork



#### Operational Expenditure:

1-4 Total network

#### Capital Expenditure:

1 3-8 10 Total network

#### **SCHEDULE 18**

### **Certification for Year-end Disclosures**

Clause 2.9.2

We, Stephen Richard Thompson and Margaret Patricia Devlin, being directors of Aurora Energy 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 Electricity 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, 9e, 10, and 14 has been properly extracted from Aurora Energy Limited's accounting and other records sourced from its financial and non-financial systems, and that sufficient appropriate records have been retained.
- c. In respect of information concerning assets, costs and revenues valued or disclosed in accordance with clause 2.3.6 of the Electricity Distribution Information Disclosure Determination 2012 and clauses 2.2.11(1)(g) and 2.2.11(5) of the Electricity 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 Electricity 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 Electricity 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 Electricity Distribution Information Disclosure Determination 2012.

Rahm.

Stephen Richard Thompson

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Margaret Patricia Devlin

26 August 2021

## **Independent Assurance Report**

## To the directors of Aurora Energy Limited and to the Commerce Commission on the disclosure information for the disclosure year ended 31 March 2021 as required by the Electricity Distribution Information Disclosure Determination 2012

Aurora Energy Limited (the company) is required to disclose certain information under the Electricity Distribution Information Disclosure Determination 2012 (the Determination) and to procure an assurance report by an independent auditor in terms of section 2.8.1 of the Determination.

The Auditor-General is the auditor of the company.

The Auditor-General has appointed me, Julian Tan, using the staff and resources of Audit New Zealand, to undertake a reasonable assurance engagement, on his behalf, on whether the information prepared by the company for the disclosure year ended 31 March 2021 (the Disclosure Information) complies, in all material respects, with the Determination.

The Disclosure Information that falls within the scope of the assurance engagement are:

- Schedules 1 to 4, 5a to 5g, 6a and 6b, 7, 10 and 14 (limited to the explanatory notes in boxes 1 to 11) of the Determination.
- Clause 2.3.6 of the Determination and clauses 2.2.11(1)(g) and 2.2.11(5) of the Electricity Distribution Services Input Methodologies Determination 2012 (the IM Determination), in respect of the basis for valuation of related party transactions (the Related Party Transaction Information).

This assurance report should be read in conjunction with the Commerce Commission's Information Disclosure exemption, issued to all electricity distribution businesses on 17 May 2021 under clause 2.11 of the Determination. The Commerce Commission granted an exemption from the requirement that the assurance report, in respect of the information in Schedule 10 of the Determination, must take into account any issues arising out of the company's recording of SAIDI, SAIFI, and number of interruptions due to successive interruptions.

## Opinion

In our opinion, in all material respects:

• as far as appears from an examination, proper records to enable the complete and accurate compilation of the Disclosure Information have been kept by the company;

- as far as appears from an examination, the information used in the preparation of the Disclosure Information has been properly extracted from the company's accounting and other records sourced from the company's financial and non-financial systems;
- the Disclosure Information complies, in all material respects, with the Determination; and
- the basis for valuation of related party transactions complies with the Determination and the IM Determination.

### **Basis for opinion**

We conducted our engagement in accordance with the Standard on Assurance Engagements (SAE) 3100 (Revised) *Assurance Engagements on Compliance*, issued by the New Zealand Auditing and Assurance Standards Board. An engagement conducted in accordance with SAE (NZ) 3100 (Revised) requires that we comply with the International Standard on Assurance Engagements (New Zealand) 3000 (Revised) *Assurance Engagements Other Than Audits or Reviews of Historical Financial Information*.

We have obtained sufficient recorded evidence and explanations that we required to provide a basis for our opinion.

### **Key assurance matters**

Key assurance matters are those matters that, in our professional judgement, required significant attention when carrying out the assurance engagement during the current disclosure year. These matters were addressed in the context of our audit, and in forming our opinion. We do not provide a separate opinion on these matters.

Key assurance matter	How our procedures addressed the key assurance matter
Capital expenditure and assets commissioned into the regulatory asset base (the RAB) The RAB, as set out in Schedule 4, reflects the value of the company's electricity distribution assets. During the disclosure year, the company has carried out a large number of individual network system projects that are either	We obtained an understanding of the compliance requirements relevant to the RAB as set out in the IM Determination. The procedures we carried out, to satisfy ourselves that the capital expenditure and assets commissioned meet the definition under the IM Determination, included:
operational (network maintenance) or capital (asset replacement or network growth) in nature. Capital expenditure in the current disclosure year totalled \$58 million and assets commissioned into the RAB amounted to \$61 million, compared to total network operating expenditure of	<ul> <li>assessing the company's capitalisation policy was in line with NZ IAS 16 Property, Plant and Equipment;</li> <li>evaluating the design and implementation of controls over the classification of the network expenditure;</li> </ul>
\$19 million. The amount of capital expenditure is	• testing a sample of capital expenditure to invoices or other supporting information to

Key assurance matter	How our procedures addressed the key assurance matter
also significant relative to the RAB opening value of \$489 million. Capital expenditure and assets commissioned into the RAB are a key assurance matter due to the significant professional judgements used by the auditor to assess whether the capital expenditure and assets commissioned into the RAB meets the definition set out in the IM Determination.	<ul> <li>determine whether the expenditure met the capitalisation criteria in the Determination and capitalised to the appropriate asset category at the correct value; and</li> <li>reconciling the assets commissioned from the regulatory fixed asset register, to the additions disclosed in the audited financial statements and investigated any reconciling items.</li> <li>Having completed these procedures, we have no matters to report.</li> </ul>
Valuation of related-party transactions at arms- length The Determination and the IM Determination place a requirement on the company to value related-party procurement transactions at a value not greater than arm's-length. In other words, the value at which a transaction, with the same terms and conditions, would be entered into between a willing seller and a willing buyer who are unrelated and who are acting independently of each other and pursuing their own best interests. In the absence of an active market for related- party transactions, assignment of an objective arm's-length value to a related-party transaction is difficult. This a key assurance matter because it involves considerable judgement by company personnel. In turn, verification of the appropriate assignment of an objective arm's-length valuation to related- party transactions require the exercise of significant professional judgement by the auditor.	<ul> <li>We obtained an understanding of the company's approach to identifying and valuing related-party transactions at arm's-length in accordance with the Determination and the IM Determination.</li> <li>The procedures we carried out, to satisfy ourselves that related-party transactions are appropriately valued at a value not greater than arm's-length, included:</li> <li>testing the completeness of related-parties identified through review of Board minutes, review of Companies Office records, and related-parties identified through detailed testing of transactions and balances in the annual financial statements audit;</li> <li>reviewing the relevant policies for approval and negotiation of related-party transactions, and testing compliance with those policies;</li> <li>reviewing and testing the field services agreement with related parties;</li> <li>benchmarking the charges against quotations from non-related parties;</li> </ul>
	<ul> <li>party values disclosed, and compliance of their calculation with the Determination and the IM Determination; and</li> <li>confirming related party transactions valued at the cost incurred by the related party to underlying records.</li> </ul>

Key assurance matter	How our procedures addressed the key assurance matter
	Having carried out these procedures, we are satisfied that related party transactions are valued at arms-length.
electricity outages The company has a combination of manual and automated systems to identify outages and to record the duration of outages. This outage information is used to report the company's Report on Network Reliability in Schedule 10. If this information is inaccurate, then the measures	We obtained an understanding of the company's system to record electricity outages, and their duration. This included a review of the company's definition of interruptions, planned interruptions and major event days. The procedures we carried out to assess the adequacy of the company's methods to identify and record electricity outages and their duration included:
This is a key assurance matter because information on the number and duration of outages is an important measure of the reliability of electricity supply. Relatively small inaccuracies can have a significant impact on the reliability thresholds against which the company's performance is assessed. There can also be significant consequences if the company breaches the reliability thresholds.	<ul> <li>reviewing the overall control environment;</li> <li>performing an assessment of the reliability of the manual and automated processes to record the details of interruptions to supply;</li> <li>reviewing internal and external information such as works orders for contractors, media reports and Board minutes on interruptions to supply to gain assurance that interruptions to supply wore recorded;</li> </ul>
The Commerce Commission has issued an Exemption notice which excludes the assurance report from coverage of the information in Schedule 10 of the ID Determination for any issues arising out of the company's recording of SAIDI, SAIFI and number of interruptions due to successive interruptions. We need to ensure that the company meets the criteria for the Exemption to apply, including that it makes the necessary disclosures so the exclusion to the assurance	<ul> <li>interruptions to supply were recorded;</li> <li>testing a sample of interruptions to supply to source records to conclude on their accuracy of calculation, and the appropriateness of the categorisation of the cause of the interruption and whether it was planned or unplanned, and that the cause of the interruptions is correctly categorised;</li> <li>checked the SAIDI and SAIFI ratios were</li> </ul>
opinion applies.	<ul> <li>correctly calculated in accordance with the Determination and the IM Determination;</li> <li>obtained explanations for all significant variances to forecast; and</li> <li>testing the accuracy of the number of connections to the Electricity Authority's</li> </ul>
	<ul> <li>register.</li> <li>With respect to the Exemption, we:</li> <li>obtained and documented our understanding of the company's methods</li> </ul>

by which electricity outages and their duration are recorded where an outage event results in successive interruptions of supply;
<ul> <li>compared this to the documented process that the company followed in the previous year; and</li> </ul>
<ul> <li>identified potential incidences of successive interruptions of supply to ensure that the company's methods, by which electricity outages and their duration are recorded where an outage event results in successive interruptions of supply, were the same for both years.</li> </ul>
Having carried out these procedures, and assessed the likelihood of reported electricity outages and their duration being materially misstated in the Disclosure Information, we have no matters to report.

## **Directors' responsibilities**

The directors of the company are responsible in accordance with the Determination for:

- the preparation of the Disclosure Information; and
- the Related Party Transaction Information.

The directors of the company are also responsible for the identification of risks that may threaten compliance with the schedules and clauses identified above and controls which will mitigate those risks and monitor ongoing compliance.

### Auditor's responsibilities

Our responsibilities in terms of clauses 2.8.1(1)(b)(vi) and (vii), 2.8.1(1)(c) and 2.8.1(1)(d) are to express an opinion on whether:

- As far as appears from an examination, the information used in the preparation of the audited Disclosure Information has been properly extracted from the company's accounting and other records sourced from its financial and non-financial systems.
- As far as appears from an examination, proper records to enable the complete and accurate compilation of the audited Disclosure Information required by the Determination have been kept by the company and, if not, the records not so kept.
- The company complied, in all material respects, with the Determination in preparing the audited Disclosure Information.

• The company's basis for valuation of related party transactions in the disclosure year has complied, in all material respects, with clause 2.3.6 of the Determination and clauses 2.2.11(1)(g) and 2.2.11(5) of the IM Determination.

To meet these responsibilities, we planned and performed procedures in accordance with SAE (NZ) 3100 (Revised), to obtain reasonable assurance about whether the company has complied, in all material respects, with the Disclosure Information (which includes the Related Party Transaction Information) required to be audited by the Determination.

An assurance engagement to report on the company's compliance with the Determination involves performing procedures to obtain evidence about the compliance activity and controls implemented to meet the requirements. The procedures selected depend on our judgement, including the identification and assessment of the risks of material non-compliance with the requirements.

### **Inherent limitations**

Because of the inherent limitations of an assurance engagement, together with the internal control structure, it is possible that fraud, error or non-compliance with the Determination may occur and not be detected. A reasonable assurance engagement throughout the disclosure year does not provide assurance on whether compliance with the Determination will continue in the future.

### **Restricted use**

This report has been prepared for use by the directors of the company and the Commerce Commission in accordance with clause 2.8.1(1)(a) of the Determination and is provided solely for the purpose of establishing whether the compliance requirements have been met. We disclaim any assumption of responsibility for any reliance on this report to any person other than the directors of the company and the Commerce Commission, or for any other purpose than that for which it was prepared.

### Independence and quality control

We complied with the Auditor-General's:

- independence and other ethical requirements, which incorporate the independence and ethical requirements of Professional and Ethical Standard 1 issued by the New Zealand Auditing and Assurance Standards Board; and
- quality control requirements, which incorporate the quality control requirements of Professional and Ethical Standard 3 (Amended) issued by the New Zealand Auditing and Assurance Standards Board.

The Auditor-General, and his employees, and Audit New Zealand and its employees may deal with the company on normal terms within the ordinary course of trading activities of the company. Other than any dealings on normal terms within the ordinary course of trading activities of the company, this engagement, the assurance engagement on Default Price-Quality Path and the annual audit of the company's financial statements and statement of service performance, we have no relationship with or interests in the company.

Lian Tan

Julian Tan Audit New Zealand On behalf of the Auditor-General Dunedin, New Zealand 26 August 2021