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INFORMATION DISCLOSURE



ENERGY

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Company Name	Aurora Energy Limited
For Year Ended	31 March 2023

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 this ID determination. This will include information disclosed in accordance with this and other schedules, and information disclosed under the other requirements of this determination. This information is part of audited disclosure information (as defined in section 1.4 of this ID determination), and so is subject to the assurance report required by section 2.8.

	Expenditure per	Expenditure per	Expenditure per MW maximum		Expenditure per l of capacity from
	GWh energy	average no. of	coincident system	Expenditure per	owned distribut
	delivered to ICPs	ICPs	demand	km circuit length	transformers
	(\$/GWh)	(\$/ICP)	(\$/MW)	(\$/km)	(\$/MVA)
Operational expenditure	35,615	512	156,376	7,716	50
Network	15,224	219	66,841	3,298	21
Non-network	20,392	293	89,534	4,418	28
E con lla constante	74 602	4.020	244 720	45 520	101
Expenditure on assets	/1,683	1,030	314,/38	15,530	101
Network	69,665	1,001	305,878	15,093	98
Non-network	2,018	29	8,860	437	4
1(ii): Revenue metrics					
	Revenue per GWh	Revenue per			
	energy delivered	average no. of			
	to ICPs	ICPs			
	(\$/GWh)	(\$/ICP)			
Total consumer line charge revenue	90,865	1,306			
Standard consumer line charge revenue	81,918	1,169			
Non-standard consumer line charge revenue	1,352,525	907,572			
1(iii): Service intensity measures					
Demand density	49	Maximum coinc	ident system deman	d per km of circuit l	enath (for sunnly)
					chighn (jor supply)
Volume density	217	Total energy del	ivered to ICPs per kn	n of circuit length (f	or supply) (MWh/
Volume density Connection point density	217 15	Total energy del Average number	ivered to ICPs per kn r of ICPs per km of ci	n of circuit length (f rcuit length (for sup	or supply) (MWh/ oply) (ICPs/km)
Volume density Connection point density Energy intensity	217 15 14,369	Total energy del Average number Total energy del	ivered to ICPs per kn r of ICPs per km of ci. ivered to ICPs per av	n of circuit length (f rcuit length (for sup erage number of IC	or supply) (MWh/ pply) (ICPs/km) Ps (kWh/ICP)
Connection point density Energy intensity 1(iv): Composition of regulatory income	217 15 14,369	Total energy del Average number Total energy del	ivered to ICPs per kn r of ICPs per km of ci ivered to ICPs per av	n of circuit length (f rcuit length (for sup erage number of IC	for supply) (MWh/ oply) (ICPs/km) Ps (kWh/ICP)
Connection point density Connection point density Energy intensity 1(iv): Composition of regulatory income	217 15 14,369	Total energy del Average number Total energy del (\$000)	ivered to ICPs per kn r of ICPs per km of ci ivered to ICPs per av % of revenue	n of circuit length (f rcuit length (for sup erage number of IC	or supply) (MWh/ oply) (ICPs/km) Ps (kWh/ICP)
Connection point density Connection point density Energy intensity 1(iv): Composition of regulatory income Operational expenditure	217 15 14,369	Total energy del Average number Total energy del (\$000) 48,271	ivered to ICPs per kn r of ICPs per km of ci ivered to ICPs per av % of revenue 39.77%	n of circuit length (f rcuit length (for sup erage number of IC	or supply) (MWh/i iply) (ICPs/km) Ps (kWh/ICP)
Volume density Connection point density Energy intensity 1(iv): Composition of regulatory income Operational expenditure Pass-through and recoverable costs excluding financial	217 15 14,369 incentives and wash-ups	Total energy del Average number Total energy del (\$000) 48,271 29,931	ivered to ICPs per kn r of ICPs per km of ci ivered to ICPs per av % of revenue 39.77% 24.66%	n of circuit length (f rcuit length (for sup erage number of IC	or supply) (MWh/ ply) (ICPs/km) Ps (kWh/ICP)
Volume density Connection point density Energy intensity 1(iv): Composition of regulatory income Operational expenditure Pass-through and recoverable costs excluding financial Total depreciation	217 15 14,369 incentives and wash-ups	Total energy del Average number Total energy del (\$000) 48,271 29,931 25,779	ivered to ICPs per kn of ICPs per km of ci ivered to ICPs per av % of revenue 39.77% 24.66% 21.24%	n of circuit length (f rcuit length (for sup erage number of IC	or supply) (MWh/. iply) (ICPs/km) Ps (kWh/ICP)
Volume density Connection point density Energy intensity 1(iv): Composition of regulatory income Operational expenditure Pass-through and recoverable costs excluding financial Total depreciation Total revaluations	217 15 14,369 incentives and wash-ups	Total energy del Average number Total energy del (\$000) 48,271 29,931 25,779 42,563	ivered to ICPs per kn of ICPs per km of ci ivered to ICPs per av % of revenue 39.77% 24.66% 21.24% 35.07%	n of circuit length (f rcuit length (for sup erage number of IC	or supply) (MWh/. iply) (ICPs/km) Ps (kWh/ICP)
Volume density Connection point density Energy intensity 1(iv): Composition of regulatory income Operational expenditure Pass-through and recoverable costs excluding financial Total depreciation Total revaluations Regulatory tax allowance	217 15 14,369 incentives and wash-ups	Total energy del Average number Total energy del (\$000) 48,271 29,931 25,779 42,563 4,066	ivered to ICPs per km r of ICPs per km of ci. ivered to ICPs per av % of revenue 39.77% 24.66% 21.24% 35.07% 3.35%	n of circuit length (f rcuit length (for sup erage number of IC	or supply) (MWh/ iply) (ICPs/km) Ps (kWh/ICP)
Volume density Connection point density Energy intensity 1(iv): Composition of regulatory income Operational expenditure Pass-through and recoverable costs excluding financial Total depreciation Total revaluations Regulatory tax allowance Regulatory profit/(loss) including financial incentives ar	217 15 14,369 incentives and wash-ups nd wash-ups	Total energy del Average number Total energy del (\$000) 48,271 29,931 25,779 42,563 4,066 55,890	ivered to ICPs per km r of ICPs per km of ci ivered to ICPs per av % of revenue 39.77% 24.66% 21.24% 35.07% 3.35% 46.05%	n of circuit length (f rcuit length (for sup erage number of IC	or supply) (MWh/. iply) (ICPs/km) Ps (kWh/ICP)
Volume density Connection point density Energy intensity 1(iv): Composition of regulatory income Operational expenditure Pass-through and recoverable costs excluding financial Total depreciation Total revaluations Regulatory tax allowance Regulatory profit/(loss) including financial incentives ar Total regulatory income	217 15 14,369 incentives and wash-ups nd wash-ups	Total energy del Average number Total energy del (\$000) 48,271 29,931 25,779 42,563 4,066 55,890 121,374	ivered to ICPs per km r of ICPs per km of ci ivered to ICPs per av % of revenue 39.77% 24.66% 21.24% 35.07% 3.35% 46.05%	n of circuit length (fr rcuit length (for sup erage number of IC	or supply) (MWh/ iply) (ICPs/km) Ps (kWh/ICP)
Volume density Connection point density Energy intensity 1(iv): Composition of regulatory income Operational expenditure Pass-through and recoverable costs excluding financial Total depreciation Total revaluations Regulatory tax allowance Regulatory profit/(loss) including financial incentives ar Total regulatory income	217 15 14,369 incentives and wash-ups nd wash-ups	Total energy del Average number Total energy del (\$000) 48,271 29,931 25,779 42,563 4,066 55,890 121,374	ivered to ICPs per km of ICPs per km of ci. ivered to ICPs per av % of revenue 39.77% 24.66% 21.24% 35.07% 3.35% 46.05%	n of circuit length (fr rcuit length (for sup erage number of IC	or supply) (MWh/ ply) (ICPs/km) Ps (kWh/ICP)
Connection point density Connection point density Energy intensity 1(iv): Composition of regulatory income Operational expenditure Pass-through and recoverable costs excluding financial Total depreciation Total revaluations Regulatory tax allowance Regulatory profit/(loss) including financial incentives ar Total regulatory income 1(v): Reliability	117 15 14,369 incentives and wash-ups nd wash-ups	Total energy del Average number Total energy del (\$000) 48,271 29,931 25,779 42,563 4,066 55,890 121,374	ivered to ICPs per km of ICPs per km of ci. ivered to ICPs per av % of revenue 39.77% 24.66% 21.24% 35.07% 3.35% 46.05%	n of circuit length (fr rcuit length (for sup erage number of IC	ngu (uo suppi)) or supply) (MWh/ ply) (ICPs/km) Ps (kWh/ICP)

	Company Name	Auror	a Energy Limit	ed
	For Vegr Ender	31	March 2023	
		·		
SC	HEDULE 2: REPORT ON RETURN ON INVESTMENT			
This	s schedule requires information on the Return on Investment (ROI) for the EDB relative to the Commerce Commission's e	estimates of post tax WAC	C and vanilla WA	C. EDBs must
calc	culate their ROI based on a monthly basis if required by clause 2.3.3 of this ID Determination or if they elect to. If an EDE	3 makes this election, info	rmation supportin	g this calculation
mus	st be provided in 2(iii).			
EDB	Bs must provide explanatory comment on their ROI in Schedule 14 (Mandatory Explanatory Notes).			
This	s information is part of audited disclosure information (as defined in section 1.4 of this ID determination), and so is subje	ect to the assurance repor	t required by secti	on 2.8.
sch ref	f			
7	2(i): Return on Investment	CY-2	CY-1	Current Year CY
8				
9	ROI – comparable to a post tax WACC	%	%	%
10		1.46%	6.98%	8 10%
11	Evoluting autorus parad from financial incontinos	4.20%	0.33%	6.97%
11		4.50%	9.55%	0.87%
12	Excluding revenue earned from financial incentives and wash-ups	4.30%	9.33%	6.96%
13				
14	Mid-point estimate of post tax WACC	3.72%	3.52%	4.88%
15	25th percentile estimate	3.04%	2.84%	4.20%
16	75th percentile estimate	4.40%	4.20%	5.56%
17				
18				
19	ROI – comparable to a vanilla WACC			
20	Reflecting all revenue earned	1.79%	7.27%	8.71%
21	Excluding revenue earned from financial incentives	4.63%	9.63%	7,38%
22	Excluding revenue earned from financial incentives and wash-uns	4 63%	9.63%	7 47%
22	Exeluting revenue carried non-intendial incentives and wash aps	4.0370	5.05%	7.4770
20	WACC rate used to set regulatory price path	4 57%	4 57%	4 57%
24	wate rate used to set regulatory price path	4.3778	4.3770	4.3770
25				
26	Mid-point estimate of vanilla WACC	4.05%	3.82%	5.39%
27	25th percentile estimate	3.37%	3.14%	4.71%
28	75th percentile estimate	4.73%	4.50%	6.07%
29				
30	2(ii): Information Supporting the ROI		(\$000)	
31				
32				
52	Total opening RAB value	645,301		
33	Total opening RAB value plus Opening deferred tax	645,301 (30,287)		
33 34	Total opening RAB value plus Opening deferred tax Opening RIV	645,301 (30,287)	615,014	
33 34 35	Total opening RAB value plus Opening deferred tax Opening RIV	645,301 (30,287)	615,014	
33 34 35 36	Total opening RAB value plus Opening deferred tax Opening RIV	645,301 (30,287)	615,014	
33 34 35 36 27	Total opening RAB value plus Opening deferred tax Opening RIV Line charge revenue	645,301 (30,287)	615,014 123,153	
33 34 35 36 37	Total opening RAB value plus Opening deferred tax Opening RIV Line charge revenue	645,301 (30,287)	615,014 123,153	
32 33 34 35 36 37 38	Total opening RAB value plus Opening deferred tax Opening RIV Line charge revenue Expenses cash outflow	645,301 (30,287)	615,014	
32 33 34 35 36 37 38 39	Total opening RAB value plus Opening deferred tax Opening RIV Line charge revenue Expenses cash outflow add Assets commissioned	645,301 (30,287) 78,202 76,873	615,014	
32 33 34 35 36 37 38 39 40	Total opening RAB value plus Opening deferred tax Opening RIV Line charge revenue Expenses cash outflow add Assets commissioned less Asset disposals	645,301 (30,287) 78,202 76,873 2,871	615,014	
32 33 34 35 36 37 38 39 40 41	Total opening RAB value plus Opening deferred tax Opening RIV Line charge revenue Expenses cash outflow add Assets commissioned less Asset disposals add Tax payments	645,301 (30,287) 78,202 76,873 2,871 904	615,014 123,153	
32 33 34 35 36 37 38 39 40 41 42	Total opening RAB value plus Opening deferred tax Opening RIV Line charge revenue Expenses cash outflow add Assets commissioned less Asset disposals add Tax payments less Other regulated income	645,301 (30,287) 78,202 76,873 2,871 904 (1,779)	615,014 123,153	
32 33 34 35 36 37 38 39 40 41 42 43	Total opening RAB value plus Opening deferred tax Opening RIV Line charge revenue Expenses cash outflow add Assets commissioned less Asset disposals add Tax payments less Other regulated income Mid-year net cash outflows	645,301 (30,287) (30,287) 78,202 76,873 2,871 904 (1,779)	615,014 123,153 154,886	
32 33 34 35 36 37 38 39 40 41 42 43 44	Total opening RAB value plus Opening deferred tax Opening RIV Line charge revenue Expenses cash outflow add Assets commissioned less Asset disposals add Tax payments less Other regulated income Mid-year net cash outflows	645,301 (30,287) (30,287) 78,202 76,873 2,871 904 (1,779)	615,014 123,153 154,886	
32 33 34 35 36 37 38 39 40 41 42 43 44 45	Total opening RAB value plus Opening deferred tax Opening RIV Line charge revenue Expenses cash outflow add Assets commissioned less Asset disposals add Tax payments less Other regulated income Mid-year net cash outflows Term credit spread differential allowance	645,301 (30,287) (30,287) 76,873 2,871 904 (1,779)	615,014 123,153 154,886 –	
32 33 34 35 36 37 38 39 40 41 42 43 44 45 46	Total opening RAB value plus Opening deferred tax Opening RIV Line charge revenue Expenses cash outflow add Assets commissioned less Asset disposals add Tax payments less Other regulated income Mid-year net cash outflows Term credit spread differential allowance	645,301 (30,287) 78,202 76,873 2,871 904 (1,779)	615,014 123,153 154,886 –	
32 33 34 35 36 37 38 39 40 41 42 43 44 45 46 47	Total opening RAB value plus Opening deferred tax Opening RIV Line charge revenue Expenses cash outflow add Assets commissioned less Asset disposals add Tax payments less Other regulated income Mid-year net cash outflows Term credit spread differential allowance Total closing RAB value	645,301 (30,287) (30,287) 76,873 2,871 904 (1,779) 736,088	615,014 123,153 154,886 –	
32 33 34 35 36 37 38 39 40 41 42 43 44 45 46 47 48	Total opening RAB value plus Opening deferred tax Opening RIV Line charge revenue Expenses cash outflow add Assets commissioned less Asset disposals add Tax payments less Other regulated income Mid-year net cash outflows Term credit spread differential allowance Total closing RAB value less Adjustment resulting from asset allocation	645,301 (30,287) (30,287) 76,873 2,871 904 (1,779) (1,779)	615,014 123,153 154,886 –	
32 33 34 35 36 37 38 39 40 41 42 43 44 45 46 47 48 49	Total opening RAB value plus Opening deferred tax Opening RIV Line charge revenue Expenses cash outflow add Assets commissioned less Asset disposals add Tax payments less Other regulated income Mid-year net cash outflows Term credit spread differential allowance Total closing RAB value less Adjustment resulting from asset allocation less Lost and found assets adjustment	645,301 (30,287) (30,287) 76,873 76,873 2,871 904 (1,779) (1,779) 736,088 0	615,014 123,153 154,886 –	
33 34 35 36 37 38 39 40 41 42 43 44 45 46 47 48 49 50	Total opening RAB value plus Opening deferred tax Opening RIV Line charge revenue Expenses cash outflow add Assets commissioned less Asset disposals add Tax payments less Other regulated income Mid-year net cash outflows Term credit spread differential allowance Total closing RAB value less Adjustment resulting from asset allocation less Lost and found assets adjustment olus Closing deferred tax	645,301 (30,287) (30,287) 76,873 2,871 904 (1,779) (1,779) 736,088 0 (33,450)	615,014 123,153 154,886 –	
33 34 35 36 377 38 399 40 41 42 43 44 45 46 47 48 49 50 50 50	Total opening RAB value plus Opening deferred tax Opening RIV Line charge revenue Expenses cash outflow add Assets commissioned less Asset disposals add Tax payments less Other regulated income Mid-year net cash outflows Term credit spread differential allowance Total closing RAB value less Adjustment resulting from asset allocation less Lost and found assets adjustment plus Closing BIV	645,301 (30,287) (30,287) 76,873 2,871 904 (1,779) (1,779) 736,088 0 - (33,450)	615,014 123,153 154,886 	
33 33 34 35 36 37 38 39 40 41 42 43 44 45 46 47 48 49 50 51	Total opening RAB value plus Opening deferred tax Opening RIV Line charge revenue Expenses cash outflow add Assets commissioned less Asset disposals add Tax payments less Other regulated income Mid-year net cash outflows Term credit spread differential allowance Total closing RAB value less Adjustment resulting from asset allocation less Lost and found assets adjustment plus Closing deferred tax	645,301 (30,287) (30,287) 76,873 2,871 904 (1,779) (1,779) 736,088 0 - - (33,450)	615,014 123,153 154,886 	
33 33 34 35 36 37 38 39 40 41 42 43 44 45 46 47 48 49 50 51 52	Total opening RAB value plus Opening deferred tax Opening RIV Line charge revenue Expenses cash outflow add Assets commissioned less Asset disposals add Tax payments less Other regulated income Mid-year net cash outflows Term credit spread differential allowance Total closing RAB value less Adjustment resulting from asset allocation less Lost and found assets adjustment plus Closing deferred tax Closing RIV	645,301 (30,287) (30,287) 76,873 2,871 904 (1,779) (1,779) 736,088 0 (33,450)	615,014 123,153 154,886 	0.711/
33 33 34 35 36 37 38 39 40 41 42 43 44 45 46 47 48 49 50 51 52 53	Total opening RAB value plus Opening deferred tax Opening RIV Line charge revenue Expenses cash outflow add Assets commissioned less Asset disposals add Tax payments less Other regulated income Mid-year net cash outflows Term credit spread differential allowance Total closing RAB value less Adjustment resulting from asset allocation less Lost and found assets adjustment plus Closing deferred tax ROI – comparable to a vanilla WACC	645,301 (30,287) (30,287) 76,873 2,871 904 (1,779) (1,779) 736,088 0 - (33,450)	615,014 123,153 154,886 – 702,638	8.71%
33 33 34 35 36 37 38 39 40 41 41 42 43 44 45 54 50 51 52 53 53	Total opening RAB value plus Opening deferred tax Opening RIV Line charge revenue Expenses cash outflow add Assets commissioned less Asset disposals add Tax payments less Other regulated income Mid-year net cash outflows Term credit spread differential allowance Total closing RAB value less Adjustment resulting from asset allocation less Lost and found assets adjustment plus Closing deferred tax Closing RIV ROI – comparable to a vanilla WACC	645,301 (30,287) (30,287) 76,873 2,871 904 (1,779) (1,779) 736,088 0 - - (33,450)	615,014 123,153 154,886 - 702,638	8.71%
33 33 34 35 36 37 38 39 40 41 42 43 44 45 46 47 48 49 50 51 52 53 54 55	Total opening RAB value plus Opening deferred tax Opening RIV Line charge revenue Expenses cash outflow add Assets commissioned less Asset disposals add Tax payments less Other regulated income Mid-year net cash outflows Term credit spread differential allowance Total closing RAB value less Adjustment resulting from asset allocation less Lost and found assets adjustment plus Closing deferred tax Closing RIV ROI – comparable to a vanilla WACC Leverage (%)	645,301 (30,287) (30,287) 76,873 2,871 904 (1,779) (1,779) 736,088 0 - (33,450)	615,014 123,153 154,886 	8.71%
33 33 34 35 36 37 38 39 40 41 42 43 44 45 46 47 48 49 50 51 52 53 55 55 55 56	Total opening RAB value plus Opening RIV Line charge revenue Expenses cash outflow add Assets commissioned less Asset disposals add Tax payments less Other regulated income Mid-year net cash outflows Term credit spread differential allowance Total closing RAB value less Adjustment resulting from asset allocation less Lost and found assets adjustment plus Closing deferred tax Closing RIV ROI – comparable to a vanilla WACC Leverage (%) Cost of debt assumption (%)	645,301 (30,287) (30,287) 76,873 2,871 904 (1,779) (1,779) 736,088 0 - (33,450)	615,014 123,153 154,886 	8.71% 42% 4.38%
33 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	Total opening RAB value plus Opening RIV Line charge revenue Expenses cash outflow add Assets commissioned less Asset disposals add Tax payments less Other regulated income Mid-year net cash outflows Term credit spread differential allowance Total closing RAB value less Adjustment resulting from asset allocation less Lost and found assets adjustment plus Closing deferred tax Closing RIV ROI – comparable to a vanilla WACC Leverage (%) Cost of debt assumption (%) Corporate tax rate (%)	645,301 (30,287) (30,287) 76,873 2,871 904 (1,779) (1,779) 736,088 0 (33,450)	615,014 123,153 154,886 	8.71% 42% 4.38% 28%
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	Total opening RAB value plus Opening deferred tax Opening RIV Line charge revenue Expenses cash outflow add Assets commissioned less Asset disposals add Tax payments less Other regulated income Mid-year net cash outflows Term credit spread differential allowance Total closing RAB value less Adjustment resulting from asset allocation less Lost and found assets adjustment plus Closing deferred tax Closing RIV ROI – comparable to a vanilla WACC Leverage (%) Cost of debt assumption (%) Corporate tax rate (%)	645,301 (30,287) (30,287) 76,873 2,871 904 (1,779) (1,779) 736,088 0 (33,450)	615,014 123,153 154,886 	8.71% 42% 4.38% 28%
33 34 35 36 37 38 39 40 41 42 43 44 45 46 47 48 49 50 51 52 53 54 55 55 55 55 55 58 59	Total opening RAB value plus Opening deferred tax Opening RIV Line charge revenue Expenses cash outflow add Assets commissioned less Asset disposals add Tax payments less Other regulated income Mid-year net cash outflows Term credit spread differential allowance Total closing RAB value less Adjustment resulting from asset allocation less Lost and found assets adjustment plus Closing deferred tax Closing RIV ROI – comparable to a vanilla WACC Leverage (%) Cost of debt assumption (%) Corporate tax rate (%) ROI – comparable to a post tax WACC	645,301 (30,287) (30,287) 76,873 2,871 904 (1,779) (1,779) 736,088 0 - - (33,450)	615,014 123,153 154,886 	8.71% 42% 4.38% 28% 8.19%
33 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 90 90	Total opening RAB value plus Opening deferred tax Opening RIV Line charge revenue Expenses cash outflow add Assets commissioned less Asset disposals add Tax payments less Other regulated income Mid-year net cash outflows Term credit spread differential allowance Total closing RAB value less Adjustment resulting from asset allocation less Lost and found assets adjustment plus Closing deferred tax Closing RIV ROI – comparable to a vanilla WACC Leverage (%) Cost of debt assumption (%) Corporate tax rate (%) ROI – comparable to a post tax WACC	645,301 (30,287) (30,287) 76,873 2,871 904 (1,779) (1,779) 736,088 0 - (33,450)	615,014 123,153 154,886 	8.71% 42% 4.38% 28% 8.19%

				Company Nama		rora Enormy Lim	itod
				Company Name	Au	31 March 2023	ited
sc	HEDULE 2. REPORT ON RETURN		NT			51 March 2025	
This calc mus EDB This	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). Is must provide explanatory comment on their ROI s information is part of audited disclosure informati	ivestment (ROI) for the El d by clause 2.3.3 of this II in Schedule 14 (Mandatc ion (as defined in section	DB relative to the Commo Determination or if the Pry Explanatory Notes). 1.4 of this ID determinat	erce Commission's esti y elect to. If an EDB m ion), and so is subject 1	mates of post tax \ akes this election, to the assurance re	NACC and vanilla WA information supporti port required by sect	CC. EDBs must ng this calculation tion 2.8.
sch rej							
61 62	2(III): Information Supporting the	e Monthly ROI					
63	Opening RIV						N/A
64							
65		Line charge	Expenses cash	Assets	Asset	Other regulated	Monthly net cash
66	6	revenue	outflow	commissioned	disposals	income	outflows
67 68	April May						-
69	June						-
70	July						-
71	August						-
72	September						-
73	October						-
74	November						-
75	December						-
76	January						-
78	March						-
79	Total	_	-	_	_	_	_
80							
81	Tax payments						N/A
82 83	Term credit spread differential allow	wance					N/A
84 85	Closing RIV						N/A
86 87							
88 89	Monthly ROI – comparable to a vanilla	WACC					N/A
90 91	Monthly ROI – comparable to a post ta	ax WACC					N/A
92 93	2(iv): Year-End ROI Rates for Con	nparison Purpose	s				
94 95	Year-end ROI – comparable to a vanilla	a WACC					6.91%
96 97	Year-end ROI – comparable to a post ta	ax WACC					6.40%
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	resent the Commis	sion's current view o	n ROI.
100 101	2(v): Financial Incentives and Wa	ash-Ups					
102	Net recoverable costs allowed under	incremental rolling incer	ntive scheme			11,508	I
103	Purchased assets – avoided transmiss	sion charge				-	
104	Energy efficiency and demand incent	tive allowance					
105	Quality incentive adjustment					(12)	
106	Other financial incentives					-	
107	Financial incentives						11,496
108	Impact of financial incentives on BOI						1 37%
110	impact of imalicial incentives of ROI						1.3270
111	Input methodology claw-back					-	I
112	CPP application recoverable costs					-	
113	Catastrophic event allowance					-	
114	Capex wash-up adjustment					(785)	
115	Transmission asset wash-up adjustme	ent				-	
116	2013–15 NPV wash-up allowance					_	ł
117	Reconsideration event allowance					-	-
118	Wash-up costs						(705)
120	trash up tosts						(763)
121	Impact of wash-up costs on ROI						-0.09%

		Company Name	Aurora Energy Limited
		Ear Vaar Endad	31 March 2023
			51 March 2025
50		E S. REPURT UN REGULATURT PROFIT	
Thi	s schedule r	equires information on the calculation of regulatory profit for the EDB for the disclosure year. All EDBs must complet	e all sections and provide explanatory comment
Thi	s informatio	iony promit in schedule 14 (Mahualony Explanatory Notes). In is part of audited disclosure information (as defined in section 1.4 of this ID determination), and so is subject to the	e assurance report required by section 2.8
cch r-	f		assume report required by section 2.0.
sch re	J		
7	3(i): R	egulatory Profit	(\$000)
8		Income	
9		Line charge revenue	123,153
10	plus	Gains / (losses) on asset disposals	(2,445)
11	plus	Other regulated income (other than gains / (losses) on asset disposals)	666
12			
13		Total regulatory income	121,374
14		Expenses	
15	less	Operational expenditure	48,271
16			
17	less	Pass-through and recoverable costs excluding financial incentives and wash-ups	29,931
18			
19		Operating surplus / (deficit)	43,172
20			
21	less	Total depreciation	25,779
22			
23	plus	Total revaluations	42,563
24			
25		Regulatory profit / (loss) before tax	59,956
26			
27	less	Term credit spread differential allowance	-
28			
29	less	Regulatory tax allowance	4,066
30			
31		Regulatory profit/(loss) including financial incentives and wash-ups	55,890
32			
33	3(ii): F	Pass-through and Recoverable Costs excluding Financial Incentives and Wash-Ups	; (\$000)
34		Pass through costs	
35		Rates	1,187
36		Commerce Act levies	280
37		Industry levies	295
38		CPP specified pass through costs	-
39		Recoverable costs excluding financial incentives and wash-ups	
40		Electricity lines service charge payable to Transpower	22,660
41		Transpower new investment contract charges	520
42		System operator services	-
43		Distributed generation allowance	4,955
44		Extended reserves allowance	-
45		Other recoverable costs excluding financial incentives and wash-ups	34
46		Pass-through and recoverable costs excluding financial incentives and wash-ups	29,931
47			

	Company Name	Aurora Energy Li	nited
	For Year Ended	31 March 202	3
S	CHEDULE 3: REPORT ON REGULATORY PROFIT		
Thi on Thi	his schedule requires information on the calculation of regulatory profit for the EDB for the disclosure year. All EDBs must complete n their regulatory profit in Schedule 14 (Mandatory Explanatory Notes). his information is part of audited disclosure information (as defined in section 1.4 of this ID determination), and so is subject to the	e all sections and provide ex assurance report required b	planatory comment y section 2.8.
sch re	ef I		
48	3(iii): Incremental Rolling Incentive Scheme	(\$000)
49		CY-1	CY
50			31 Mar 23
51	Allowed controllable opex		
52	Actual controllable opex		<u> </u>
54	Incremental change in year		
55			
56		Previous years' incremental change	Previous years' incremental change adjusted for inflation
57	CY-5 [year]		
58	CY-4 [year]		
59	CY-3 [year]		
60	CY-2 [year]		
61	CY-1 (year)		
62			
64	Net recoverable costs allowed under incremental rolling incentive scheme		
65	3(iv): Merger and Acquisition Expenditure		
70			(\$000)
66	Merger and acquisition expenditure		-
67			
68	Provide commentary on the benefits of merger and acquisition expenditure to the electricity distribution business, in section 2.7, in Schedule 14 (Mandatory Explanatory Notes)	ncluding required disclosures	in accordance with
69	3(v): Other Disclosures		
70 71	Self-insurance allowance		(\$000)

		Co	mpany Name or Year Ended	Auro 3	ra Energy Limit 1 March 2023	ed
S	CHEDULE 4: REPORT ON VALUE OF THE REGULATORY ASSET BASE (ROLLED FORWARD)		L			I
Th ED re	nis 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 Schee DBs must provide explanatory comment on the value of their RAB in Schedule 14 (Mandatory Explanatory Notes). This information is part of audited disclosure informa equired by section 2.8.	dule 2. tion (as defined in section	on 1.4 of this ID det	termination), and so	is subject to the ass	urance report
sch re	ef					
7	4(i): Regulatory Asset Base Value (Rolled Forward)	RAB	RAB	RAB	RAB	RAB
9		(\$000)	(\$000)	(\$000)	(\$000)	(\$000)
10	Total opening RAB value	394,155	447,072	489,854	539,722	645,301
11						
12	less Total depreciation	15,058	16,809	20,358	22,502	25,779
15	plus Total revaluations	5,824	11,277	7,402	37,128	42,563
15 16 17	plus Assets commissioned	63,004	49,227	61,073	93,006	76,873
18 19	less Asset disposals	853	912	830	2,087	2,871
20 21	plus Lost and found assets adjustment	-	-	2,581	-	-
22 23	plus Adjustment resulting from asset allocation	-	-	-	34	0
24	Total closing RAB value	447,072	489,854	539,722	645,301	736,088
25						
25 26	4(ii): Unallocated Regulatory Asset Base					
25 26 27 28	4(ii): Unallocated Regulatory Asset Base		Unallocate (\$000)	d RAB * (\$000)	RAE (\$000)	3 (\$000)
25 26 27 28 29	4(ii): Unallocated Regulatory Asset Base		Unallocate (\$000)	d RAB * (\$000) 646,155	RAE (\$000)	3 (\$000) 645,301
25 26 27 28 29 30	4(ii): Unallocated Regulatory Asset Base Total opening RAB value Jess		Unallocate (\$000)	d RAB * (\$000) 646,155	RAE (\$000)	3 (\$000) 645,301
25 26 27 28 29 30 31	4(ii): Unallocated Regulatory Asset Base Total opening RAB value less Total depreciation		Unallocate (\$000)	d RAB * (\$000) 646,155 25,816	RAE (\$000)	3 (\$000) 645,301 25,779
25 26 27 28 29 30 31 32 33	4(ii): Unallocated Regulatory Asset Base Total opening RAB value less Total depreciation plus Total revaluations		Unallocate (\$000)	d RAB * (\$000) 646,155 25,816 42,620	(\$000)	(\$000) 645,301 25,779
25 26 27 28 29 30 31 32 33 34	4(ii): Unallocated Regulatory Asset Base Total opening RAB value less Total depreciation plus Total revaluations plus		Unallocate (\$000)	d RAB * (\$000) 646,155 25,816 42,620	(\$000)	(\$000) 645,301 25,779 42,563
25 26 27 28 29 30 31 32 33 34 35	4(ii): Unallocated Regulatory Asset Base Total opening RAB value less Total depreciation plus Total revaluations plus Assets commissioned (other than below)		Unallocate (\$000) [d RAB * (\$000) 646,155 25,816 42,620	RAE (\$000)	(\$000) 645,301 25,779 42,563
25 26 27 28 29 30 31 32 33 34 35 36	4(ii): Unallocated Regulatory Asset Base Total opening RAB value less Total depreciation plus Total revaluations plus Assets commissioned (other than below) Assets acquired from a regulated supplier		Unallocate (\$000) [d RAB * (\$000) 646,155 25,816 42,620	(\$000)	(\$000) 645,301 25,779 42,563
25 26 27 28 29 30 31 32 33 34 35 36 37 20	4(ii): Unallocated Regulatory Asset Base Total opening RAB value less Total depreciation plus Total revaluations plus Assets commissioned (other than below) Assets acquired from a regulated supplier Assets acquired from a related party		Unallocate (\$000) [d RAB * (\$000) 646,155 25,816 42,620	RAE (\$000)	(\$000) 645,301 25,779 42,563
25 26 27 28 29 30 31 32 33 34 35 36 37 38 39	4(ii): Unallocated Regulatory Asset Base Total opening RAB value less Total depreciation plus Total revaluations plus Assets commissioned (other than below) Assets acquired from a regulated supplier Assets commissioned less		Unallocate (\$000) (\$00)	d RAB * (\$000) 646,155 25,816 42,620	RAE (\$000)	(\$000) 645,301 25,779 42,563 76,873
25 26 27 28 29 30 31 32 33 34 35 36 37 38 39 40	4(ii): Unallocated Regulatory Asset Base Total opening RAB value less Total depreciation plus Total revaluations plus Assets commissioned (other than below) Assets acquired from a regulated supplier Assets commissioned less Assets commissioned		Unallocate (\$000) (44,086 - 32,787	d RAB * (\$000) 646,155 25,816 42,620 76,873	RAE (\$000)	(\$000) 645,301 25,779 42,563 76,873
25 26 27 28 29 30 31 32 33 34 35 36 37 38 39 40 41	4(ii): Unallocated Regulatory Asset Base Total opening RAB value less Total depreciation plus Total revaluations plus Assets commissioned (other than below) Assets acquired from a regulated supplier Assets commissioned less Asset disposals (other than below) Asset disposals (other than below) Asset disposals to a regulated supplier		Unallocate (\$000) [d RAB * (\$000) 646,155 25,816 42,620 76,873	RAE (\$000) (\$000) ((((((() () () (() () (3 645,301 25,779 42,563 76,873
25 26 27 28 29 30 31 32 33 34 35 36 37 38 39 40 41 42	4(ii): Unallocated Regulatory Asset Base Total opening RAB value less Total depreciation plus Total revaluations plus Assets commissioned (other than below) Assets acquired from a regulated supplier Asset acquired from a related party Asset commissioned less Asset disposals (other than below) Asset disposals to a regulated supplier Asset disposals to a related party		Unallocate (\$000) [d RAB * (\$000) 646,155 25,816 42,620 76,873	RAB (\$000)	3 (\$000) 645,301 25,779 42,563 42,563 76,873
25 26 27 28 29 30 31 32 33 34 35 36 37 38 39 40 41 42 23	4(ii): Unallocated Regulatory Asset Base Total opening RAB value less Total depreciation plus Total revaluations plus Assets commissioned (other than below) Assets acquired from a regulated supplier Asset acquired from a related party Asset disposals (other than below) Asset disposals to a regulated supplier Asset disposals to a related party Asset disposals	Ē	Unallocate (\$000)	d RAB * (\$000) 646,155 25,816 42,620 76,873 2,871	RAB (\$000)	3 (\$000) 645,301
25 26 27 28 29 30 31 32 33 34 35 36 37 38 39 40 41 42 43 34 44 45	4(ii): Unallocated Regulatory Asset Base Total opening RAB value less Total depreciation plus Total revaluations plus Assets commissioned (other than below) Assets acquired from a regulated supplier Assets commissioned less Asset disposals (other than below) Asset disposals (other than below) Asset disposals to a regulated supplier Asset disposals plus Lot and found assets adjustment		Unallocate (\$000) (\$000) (\$ 44,086 32,787 2,366 505 (2,366 (505 (505) (2,366) (505) (2,366) (2,000) (2,00) (2,00) (2,00) (2,00) (2,000) (2,0)()) (2,0)() (2,0)()) (2,0)())()())()()()()())()()()()()()()()()	d RAB * (\$000) 646,155 25,816 42,620 76,873	RAB (\$000)	3 (\$000) 645,301 25,779 42,563 76,873 76,873 2,871
25 26 27 28 29 30 31 32 33 34 35 36 37 38 39 40 41 42 43 44 45 546 647 47	4(ii): Unallocated Regulatory Asset Base Total opening RAB value less Total depreciation plus Total revaluations plus Assets commissioned (other than below) Assets acquired from a regulated supplier Assets commissioned less Asset disposals (other than below) Asset disposals (other than below) Asset disposals to a regulated supplier Asset disposals plus Lost and found assets adjustment plus Adjustment resulting from asset allocation		Unallocate (\$000) [44,086 32,787 2,366 505 [d RAB * (\$000) 646,155 25,816 42,620 76,873 2,871 2,871	RAB (\$000)	3 (\$000) 645,301 25,779 42,563 42,563 76,873 2,871 0
25 26 27 28 29 30 31 32 33 34 35 36 37 38 39 40 41 42 43 44 45 46 47 7 48 8 49	4(ii): Unallocated Regulatory Asset Base Total opening RAB value less Total depreciation plus Total revaluations plus Assets commissioned (other than below) Assets acquired from a regulated supplier Assets acquired from a regulated supplier Assets acquired from a regulated supplier Asset disposals to a regulated supplier Asset disposals to a regulated party Asset disposals to a related party Asset disposals plus Lost and found assets adjustment plus Adjustment resulting from asset allocation Total closing RAB value Total closing RAB value		Unallocate (\$000)	d RAB * (\$000) 646,155 25,816 42,620 76,873 2,871 2,871 736,961	RAB (\$000)	3 (\$000) 645,301 25,779 42,563 76,873 2,871 0 736,088

		-			
		Company Name	Aur	ora Energy Lim	ited
		For Year Ended		31 March 2023	
S	CHEDULE 4: REPORT ON VALUE OF THE REGULATORY ASSET BASE (ROLLED FORWARD)	L			
Th	his schedule requires information on the calculation of the Regulatory Asset Base (RAR) value to the end of this disclosure year. This informs the ROL calculation in Schedule 2				
ED	Des must revide explanatory comment on the value of their RAB in Schedule 14 (Mandatory Explanatory Notes). This information is part of audited disclosure information (as defined i	n section 1.4 of this ID de	etermination), and s	o is subject to the a	ssurance report
re	equired by section 2.8.				
ceb re	né.				
SUITE					
51					
52	4(iii): Calculation of Revaluation Rate and Revaluation of Assets				
53					
54	CPI ₄				1,218
55	CPI4 ⁻⁴				1,142
56	Revaluation rate (%)				6.65%
57					
58		Unallocat	ed RAB *	RA	AB
59		(\$000)	(\$000)	(\$000)	(\$000)
60	Total opening RAB value	646,155		645,301	
61	less Opening value of fully depreciated, disposed and lost assets	5,737		5,737	
62					I
63	I otal opening KAB value subject to revaluation	640,418	42 (20	639,564	42.562
65	Total revaluations	L	42,620		42,503
05					
66	4(iv): Roll Forward of Works Under Construction				
67		Unallocated	works under	• II	
67		constru	action 27.576	Allocated works u	nder construction
60	works under Construction—preceding discussive year	86.616	27,570	96.616	27,570
70	less Assets rommissioned	76.873		76 873	
71	plus Adjustment resulting from asset allocation	70,073		-	
72	Works under construction - current disclosure year		37,319		37,319
73					
74	Highest rate of capitalised finance applied				4.35%
75					·

SC Thin EDU req sch rey 76 77 78 79 80 81 82 83	CHEDULE 4 s schedule requi ss must provide uired by section 4(v): Reg	4: REPORT ON VALUE OF THE RE uires information on the calculation of the Regulator e explanatory comment on the value of their RAB in n 2.8. gulatory Depreciation Depreciation - standard Depreciation - no standard life assets Depreciation - modified life assets Depreciation - alternative depreciation in accordar total depreciation	EGULATORY / y Asset Base (RAB) v. Schedule 14 (Manda	ASSET BASE alue to the end of ti tory Explanatory No	(ROLLED FOI is disclosure year. 1 ites). This informatio	RWARD) This informs the ROI on is part of audited	calculation in Sched disclosure informati	uie 2. ion (as defined in sec	Company Name For Year Ended ction 1.4 of this ID d Unallocat (\$000) 23,643 2,173 – –	Aur etermination), and s ted RAB * (\$000) 25,816	ora Energy Lim 31 March 2023 o is subject to the a (\$000) 23,643 2,136 - -	ited ssurance report AB (\$000) 25,779
84										23,010		23,779
85	4(vi): Dis	sclosure of Changes to Depreciation	Profiles						(\$000 u	unless otherwise spe	cified)	
86		Asset or assets with changes to depreciation*				Reaso	on for non-standard	depreciation (text c	entry)	Depreciation charge for the period (RAB)	Closing RAB value under 'non- standard' depreciation	Closing RAB value under 'standard' depreciation
87		Asset of assets with changes to depretation				neuse		depreciation (text)	2110 97	period (IAD)	ucpredation	depreciation
88												
89												
90												
91												
92												
93												
94		* include additional excess if a seded										LI
95 96 97	4(vii): Di	isclosure by Asset Category	Subtransmission	Subtransmission		Distribution and	(\$000 unless oth Distribution and	erwise specified) Distribution substations and	Distribution	Other network	Non-network	
98			lines	cables	Zone substations	LV lines	LV cables	transformers	switchgear	assets	assets	Total
99	т	otal opening RAB value	33,418	26,659	109,636	183,612	160,034	70,277	34,375	21,439	5,851	645,301
100	less	Total depreciation	1,154	781	4,164	5,660	5,275	2,626	1,713	2,269	2,136	25,779
101	plus	Total revaluations	2,238	1,774	7,195	12,134	10,590	4,677	2,246	1,398	311	42,563
102	plus	Assets commissioned	5,498	258	6,696	36,853	11,875	5,898	5,791	1,574	2,430	76,873
103	less	Asset disposals	-	3	-	1,109	914	-	643	-	202	2,871
104	plus	Lost and found assets adjustment	-	-	-	-	-	-	-	-	-	-
105	plus	Adjustment resulting from asset allocation	-	-	-	-	-	-	-	-	-	-
100	pius T	Asset Category transfers	40 212	27 907	119 363	225 618	176 310	78 226	40.056	22 142	6 254	736.088
108		oral closing APD value	40,212	27,907	119,303	223,018	170,510	70,220	40,030	22,142	0,234	730,088
109	Δ	Asset Life										
110		Weighted average remaining asset life	29.0	34.1	26.3	32.4	30.3	26.8	20.1	9.4	2.7	(vears)
111		Weighted average expected total asset life	48.0	54.4	50.9	53.6	52.3	50.6	39.6	14.9	7.7	(years)

Aurora Energy Limited Company Name 31 March 2023 For Year Ended SCHEDULE 5a: REPORT ON REGULATORY TAX ALLOWANCE This schedule requires information on the calculation of the regulatory tax allowance. This information is used to calculate regulatory profit/loss in Schedule 3 (regulatory profit). EDBs must provide explanatory commentary on the information disclosed in this schedule, in Schedule 14 (Mandatory Explanatory Notes). This information is part of audited disclosure information (as defined in section 1.4 of this ID determination), and so is subject to the assurance report required by section sch ref 5a(i): Regulatory Tax Allowance (\$000) 7 8 Regulatory profit / (loss) before tax 59,956 9 10 plus Income not included in regulatory profit / (loss) before tax but taxable _ 11 Expenditure or loss in regulatory profit / (loss) before tax but not deductible 35 12 Amortisation of initial differences in asset values 4.929 4 371 13 Amortisation of revaluations 14 9,335 15 16 less Total revaluations 42,563 Income included in regulatory profit / (loss) before tax but not taxable 17 18 Discretionary discounts and customer rebates 19 Expenditure or loss deductible but not in regulatory profit / (loss) before tax 1,131 20 Notional deductible interest 11,074 21 54,768 22 **Regulatory taxable income** 14,523 23 24 25 Utilised tax losses less 26 Regulatory net taxable income 14,523 27 28% 28 Corporate tax rate (%) 4,066 29 **Regulatory tax allowance** 30 * Workings to be provided in Schedule 14 31 5a(ii): Disclosure of Permanent Differences 32 In Schedule 14, Box 5, provide descriptions and workings of items recorded in the asterisked categories in Schedule 5a(i). 33 5a(iii): Amortisation of Initial Difference in Asset Values (\$000) 34 35 36 Opening unamortised initial differences in asset values 73,487 37 less Amortisation of initial differences in asset values 4,929 Adjustment for unamortised initial differences in assets acquired 38 plus 39 less Adjustment for unamortised initial differences in assets disposed 440 40 68,118 Closing unamortised initial differences in asset values 41 42 Opening weighted average remaining useful life of relevant assets (years) 15 4

			Company Name	Aurora Energy L	imited
			For Year Ended	31 March 20)23
SC	HEDULE	5a: REPORT ON REGULATORY TAX ALLOWANCE			
This prof This	schedule rec it). EDBs mu information	uires information on the calculation of the regulatory tax allowance. This infor st provide explanatory commentary on the information disclosed in this schedu is part of audited disclosure information (as defined in section 1.4 of this ID de	mation is used to calculate regula Ile, in Schedule 14 (Mandatory Ex termination), and so is subject to	atory profit/loss in Schedu xplanatory Notes). the assurance report requ	le 3 (regulatory iired by section
sch ref	_ 4				
44	5a(iv):	Amortisation of Revaluations			(\$000)
45 46		Opening sum of PAP values without revaluations		559 759	
40		Opening sum of KAB values without revaluations		556,756	
48		Adjusted depreciation		21 408	
49		Total depreciation		25,779	
50		Amortisation of revaluations			4,371
51					
52	5a(v): I	Reconciliation of Tax Losses			(\$000)
53					
54		Opening tax losses		-	
55	plus	Current period tax losses		-	
56	less	Utilised tax losses		-	
57		Closing tax losses		L	-
EQ	5a(vi):	Calculation of Deferred Tax Balance			(\$000)
50	J a(v i).				(+)
59 60		Opening deferred tax		(30.287)	
61				(00)2017	
62	plus	Tax effect of adjusted depreciation		5,994	
63	· ·				
64	less	Tax effect of tax depreciation		10,147	
65					
66	plus	Tax effect of other temporary differences*		1,945	
67					
68	less	Tax effect of amortisation of initial differences in asset values		1,380	
69 70	pluc	Deferred tay balance relating to access acquired in the disclosure year			
70	pius	Deferred tax balance relating to assets acquired in the disclosure year			
72	less	Deferred tax balance relating to assets disposed in the disclosure year		(425)	
73	1000			(123)	
74	plus	Deferred tax cost allocation adjustment		(0)	
75				_	
76		Closing deferred tax		L	(33,450)
77					
78	5a(vii):	Disclosure of Temporary Differences	in the actoricited enternancia C I	dulo Ealui) (Tau affactor)	thar tarran
79		differences).	n the asteriskea category in Sche	uule Su(VI) (Tax effect of o	ther temporary
80		ujjerencesj.			
81	5a(viii)	: Regulatory Tax Asset Base Roll-Forward			
82	. ,	0 1			(\$000)
83		Opening sum of regulatory tax asset values		405,136	
84	less	Tax depreciation		36,240	
85	plus	Regulatory tax asset value of assets commissioned		86,229	
86	less	Regulatory tax asset value of asset disposals		1,352	
87	plus	Lost and found assets adjustment		-	
88	plus	Adjustment resulting from asset allocation		-	
89 60	plus	Other adjustments to the RAB tax value		-	450 770
90		closing sum of regulatory tax asset values			453,773

		Company Name	Aurora Energy Limited	
		For Year Ended	31 March 2023	
	ILE 56 REPORT ON RELATED F			
is schedule is informat	e provides information on the valuation of related tion is part of audited disclosure information (as d	party transactions, in accordance with clause 2.3. efined in clause 1.4 of this ID determination), and	6 of this ID determination. so is subject to the assurance report required	d by clause 2.8
-1 (1)			(4000)	(4000)
5b(i)	: Summary—Related Party Transac	ctions	(\$000)	(\$000)
	Total regulatory income		L	-
	Market value of accet dispecals			_
	Warket value of asset disposals		L.	
	Service interruptions and emergencies		2,842	
	Vegetation management		5,454	
	Routine and corrective maintenance and	inspection	9,193	
	Asset replacement and renewal (opex)		-	
	Network opex			17,4
	Business support		309	
	System operations and network support		56	47.0
	Operational expenditure		1.215	17,8
	Consumer connection		4,346	
	Asset replacement and repewal (caper)		2,550	
	Asset relocations		1.722	
	Quality of supply		_	
	Legislative and regulatory		-	
	Other reliability, safety and environment		1,361	
	Expenditure on non-network assets			3
	Expenditure on assets		L	33,7
	Cost of financing			
	Value of capital contributions			3,5
	Value of vested assets			20.2
				30,2 /18.0
	iotal expenditure			40,0
	Other related party transactions			9
5b(iii	i): Total Opex and Capex Related P	arty Transactions Nature of opex or capex service		Total value o transactions
	Dolta Utility Services Ltd	provided		(\$000)
	Delta Utility Services Etd	Vegetation management		2,d 5.4
	Delta Utility Services Ltd	Boutine and corrective maintenance and ins	spection	9.1
	Delta Utility Services Ltd	System operations and network support		-/-
	Delta Utility Services Ltd	Business support		2
	Dunedin City Council	Business support		
	Dunedin Venues Management Ltd	Business support		
	Delta Utility Services Ltd	Consumer connection		4,3
		System growth		2,5
	Delta Utility Services Ltd			23,4
	Delta Utility Services Ltd Delta Utility Services Ltd	Asset replacement and renewal (capex)		
	Delta Utility Services Ltd Delta Utility Services Ltd Delta Utility Services Ltd	Asset replacement and renewal (capex) Asset relocations		1,7
	Delta Utility Services Ltd Delta Utility Services Ltd Delta Utility Services Ltd Delta Utility Services Ltd	Asset replacement and renewal (capex) Asset relocations Other reliability, safety and environment		1,7 1,3
	Delta Utility Services Ltd Delta Utility Services Ltd Delta Utility Services Ltd Delta Utility Services Ltd Delta Utility Services Ltd	Asset replacement and renewal (capex) Asset relocations Other reliability, safety and environment Expenditure on non-network assets		1,7 1,3 3
	Delta Utility Services Ltd Delta Utility Services Ltd Delta Utility Services Ltd Delta Utility Services Ltd Delta Utility Services Ltd	Asset replacement and renewal (capex) Asset relocations Other reliability, safety and environment Expenditure on non-network assets		1,7 1,3 3
	Delta Utility Services Ltd	Asset replacement and renewal (capex) Asset relocations Other reliability, safety and environment Expenditure on non-network assets		1,7 1,3 3

SI Th Th sch ro	CHEDULE is schedule is is information	5c: REPORT ON TERM CREDIT SPREAD DIFFERE only to be completed if, as at the date of the most recently published financial is part of audited disclosure information (as defined in section 1.4 of this ID d	NTIAL ALLO statements, the we etermination), and	WANCE eighted average orig so is subject to the a	tinal tenor of the del assurance report rec	ot portfolio (both qualif quired by section 2.8.	ying debt and non-o	Company Name For Year Ended qualifying debt) is gre	Aurora Ene 31 Maro	rgy Limited ch 2023
7	5c(i): C	Jualifying Deht (may be Commission only)								
0 9	56(1). 6	cualitying Debt (may be commission only)								
10		Issuing party	Issue date	Pricing date	Original tenor (in years)	Coupon rate (%)	Book value at issue date (NZD)	Book value at date of financial statements (NZD)	Term Credit Spread Difference	Debt issue cost readjustment
11										
12										
14										
15										
16		* include additional rows if needed						-	-	-
17 18 19	5c(ii): /	Attribution of Term Credit Spread Differential								
20	G	ross term credit spread differential			-					
21					-					
22		Total book value of interest bearing debt								
23		Leverage		42%						
24		Average opening and closing RAB values				r				
25	A	ttribution Rate (%)			_					
20 27	Te	erm credit spread differential allowance			-	l				

			Company Name	Au	rora Energy Lim	ited
			For Year Ended		31 March 2023	}
sc	CHEDULE 5d. REPORT ON COST ALLOCATIONS		1			
Thic	s schedule provides information on the allocation of operational costs. EDBs must provide explanatory comment on their cost allocation	in Schedule 14 (Manda	atory Explanatory Not	es) including on the	impact of any reclas	sifications
This	s information is part of audited disclosure information (as defined in section 1.4 of this ID determination), and so is subject to the assura	nce report required by	section 2.8.	es), including on the	impact of any reclas	sincations.
sch ref	f					
7	Ed(i): Operating Cost Allocations					
	Sully. Operating cost Anotations					
8			Value alloca	ited (\$000s)		
		Arm's length	Electricity	Non-electricity		OVABAA allocation
9		deduction	services	services	Total	increase (\$000s)
10	Service interruptions and emergencies					
11	Directly attributable		2,882			
12	Not directly attributable		-	-	-	
13	Total attributable to regulated service	-	2,882		•	
14	Vegetation management					
15	Directly attributable		5,466			
16	Not directly attributable		-	-	-	
17	Total attributable to regulated service	-	5,466			
18	Routine and corrective maintenance and inspection					
19	Directly attributable		12,285			
20	Not directly attributable		-	-	-	
21	Total attributable to regulated service		12,285			
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		13,864			
28	Not directly attributable		-	-	-	
29	Total attributable to regulated service		13,864			
30	Business support					
31	Directly attributable		13,774			-
32	Not directly attributable		-	-	-	
33	Total attributable to regulated service		13,774			
34	Operating costs directly attributable		40.074			
35	Operating costs on etcily attributable		48,271			
37	Operational expenditure		48 271		_	_
20	operational expenditure		40,271			

		Company Name	Aurora Energy Limited
		For Year Ended	31 March 2023
S	CHEDULE 5d: REPORT ON COST ALLOC		
Th Th	is schedule provides information on the allocation of operation is information is part of audited disclosure information (as def	al costs. EDBs must provide explanatory comment on their cost allocation in Schedule 14 (Mandatory Explanatory Notes ned in section 1.4 of this ID determination), and so is subject to the assurance report required by section 2.8.), including on the impact of any reclassifications.
sch re	f		
39	5d(ii): Other Cost Allocations		
40	Pass through and recoverable costs	(\$000)	
41	Pass through costs		
42	Directly attributable	1,762	
43	Not directly attributable	-	
44	Total attributable to regulated service	1,762	
45	Recoverable costs		
46	Directly attributable	28,169	
47	Not directly attributable	-	
48	Total attributable to regulated service	28,169	
49			
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	Change in east allocation 2		(\$000) CY 1 Current Year (CY)
62		Original allocation	
63	Original allocator or line items	New allocation	
64	New allocator or line items	Difference	
65			
66	Rationale for change		
67			
68			
69			(\$000)
70	Change in cost allocation 3		CY-1 Current Year (CY)
/1	Cost category	Original allocation	
72	New allocator or line items	Difference	
74			
75	Rationale for change		
76			
77			
78	* a change in cost allocation must be completed for each	ost allocator change that has occurred in the disclosure year. A movement in an allocator metric is not a change in alloc	ator or component.
79	† include additional rows if needed		

		Сотралу Мате	Aurora Energy Limited
		For Year Ended	31 March 2023
S	CHEDULE 5e: REPORT ON ASSET ALLOCA	ATIONS	J
Th ED dis	is schedule requires information on the allocation of asset value DBs must provide explanatory comment on their cost allocation sclosure information (as defined in section 1.4 of this ID determined)	es. This information supports the calculation of the RAB value in Schedule 4. in Schedule 14 (Mandatory Explanatory Notes), including on the impact of ar instion) and so is subject to the assurance report required by section 2.8	y changes in asset allocations. This information is part of audited
u			
sch re	<i>T</i>		
7	5e(i): Regulated Service Asset Values		
			Value allocated
8			(\$000s) Electricity distribution
9			services
10	Subtransmission lines		
11 12	Directly attributable		40,211
13	Total attributable to regulated service		40,211
14	Subtransmission cables		
15	Directly attributable		27,906
16 17	Not directly attributable Total attributable to regulated service		27.906
18	Zone substations		1,500
19	Directly attributable		119,361
20	Not directly attributable		
21	Total attributable to regulated service		119,361
22	Distribution and LV lines		225.619
23	Not directly attributable		
25	Total attributable to regulated service		225,619
26	Distribution and LV cables		
27	Directly attributable		176,310
28 29	Not directly attributable Total attributable to regulated service		176.310
30	Distribution substations and transformers		
31	Directly attributable		78,227
32	Not directly attributable		_
33	Total attributable to regulated service		78,227
34	Distribution switchgear		40.055
36	Not directly attributable		-
37	Total attributable to regulated service		40,056
38	Other network assets		
39 40	Directly attributable		19,426
40	Total attributable to regulated service		22,142
42	Non-network assets		
43	Directly attributable		6,255
44	Not directly attributable		-
45 46	Total attributable to regulated service		6,255
47	Regulated service asset value directly attributable		733,372
48	Regulated service asset value not directly attributal	ble	2,716
49 50	Total closing RAB value		736,088
50			
51	5e(ii): Changes in Asset Allocations* †		
52 53	Change in asset value allocation 1		(\$000) CY-1 Current Year (CY)
54	Asset category		Original allocation
55	Original allocator or line items		New allocation
56 57	New allocator or line items		Difference – –
58	Rationale for change		
59			
60			(6000)
61 62	Change in asset value allocation 2		(\$000) CY-1 Current Year (CY)
63	Asset category		Original allocation
64	Original allocator or line items		New allocation
65 66	New allocator or line items		Difference – –
67	Rationale for change		
68			
69			(1)
70 71	Change in asset value allocation 3		(\$000) CY-1 Current Year (CY)
72	Asset category		Original allocation
73	Original allocator or line items		New allocation
74 75	New allocator or line items		Difference – –
76	Rationale for change		
77			
78	* a change in asset allocation must be semilated for	locator or component change that has accurred in the disclosure up	rement in an allocator metric is not a change in allocator as an
80	 triange in asset anotation must be completed for each a tinclude additional rows if needed 	nocator or component change that has occurred in the disclosure year. A mot	ement in an anocator metric is not a change in anocator or component

		Company Name	Aurona Energy	Limited
		Company Name	Aurora Energy	
			SI WINICH 2	025
This exc EDE This	s schedule red luding assets as must provid information	ba: REPORT ON CAPITAL EXPENDITURE FOR THE DISCLOSURE YEAR uires a breakdown of capital expenditure on assets incurred in the disclosure year, including any assets in respect that are vested assets. Information on expenditure on assets substitutes by provided on an accounting accruals basis an a explanatory comment on their expenditure on assets in Schedule 14 (Explanatory Notes to Templates). is part of audited disclosure information (as defined in section 1.4 of this ID determination), and so is subject to the	of which capital contributions d must exclude finance costs. e assurance report required by	are received, but
sch rej	r			
	c (1)		(\$200)	(\$200)
7	6a(I):	expenditure on Assets	(\$000)	(\$000)
8		Consumer connection		15,246
9 10		System growth		54 604
11		Asset relocations		3.728
12		Reliability, safety and environment:		57.55
13		Quality of supply	1,172]
14		Legislative and regulatory		
15		Other reliability, safety and environment	2,156	
16		Total reliability, safety and environment		3,328
1/	t t	xpenditure on network assets		94,420
18		Expenditure on non-network assets		2,735
20	I	xpenditure on assets		97,155
21	plus	Cost of financing		400
22	less	Value of capital contributions		10,939
23	plus	Value of vested assets		-
24				
25		apital expenditure		86,616
26	6a(ii):	Subcomponents of Expenditure on Assets (where known)		(\$000)
27		Energy efficiency and demand side management, reduction of energy losses		-
28		Overhead to underground conversion		-
29		Research and development		-
		Cybersecurity (Commission only)		-
30	6a(iii)	Consumer Connection		
31	Ua(III)	Consumer types defined by EDB*	(\$000)	(\$000)
32		All consumers	15,246]
33				
34				
35				
36]
37		* include additional rows if needed		15.246
38 39		Consumer connection expenditure		15,246
40	less	Capital contributions funding consumer connection expenditure	7,780]
41		Consumer connection less capital contributions		7,466
	<i></i>			Asset
42	6a(IV):	System Growth and Asset Replacement and Renewal	Suctom Growth	Replacement and
43 44			(\$000)	(\$000)
45		Subtransmission	5,729	100
46		Zone substations	6,153	12,656
47		Distribution and LV lines	3,345	33,561
48		Distribution and LV cables	2,118	2,713
49		Distribution substations and transformers	126	1,540
50		Distribution switchgear	43	3,979
51		Uther network assets	-	55
52	less	System growth and asset replacement and renewal expenditure Capital contributions funding system growth and asset replacement and renewal	17,514	54,004
54	1000	System growth and asset replacement and renewal less capital contributions	17,514	54.604
55				
EC	62(1)	Asset Relocations		
57	5u(v).	Project or programme*	(\$000)	(\$000)
58		Mt Iron Wanaka roundabout	507	1
59		Muir Skyline Queenstown overhead to underground conversion	504	
60		Corner Man/Thompson St roading works	505	
61		The Views, Queenstown overhead to underground conversion	457	
62		Gibbston Valley overhead to underground conversion	358	
63		* include additional rows if needed		7
64		All other projects or programmes - asset relocations	1,397	
65	loss	Asset relocations expenditure Capital contributions funding asset relocations	2 450	3,728
67	iess	Asset relocations less capital contributions	3,159	569
07		· · · · · · · · · · · · · · · · · · ·		509

			Company Name	Aurora Energy Limited
			For Year Ended	31 March 2023
SCH	HEDULE	6a: REPORT ON CAPITAL EXPENDITURE FOR THE DIS	SCLOSURE YEAR	
This s	schedule requ	ires a breakdown of capital expenditure on assets incurred in the disclosure year, in	cluding any assets in respect of w	hich capital contributions are received, but
exclu EDBc	iding assets th	hat are vested assets. Information on expenditure on assets must be provided on an	accounting accruals basis and mu	ust exclude finance costs.
This i	information is	part of audited disclosure information (as defined in section 1.4 of this ID determina	ation), and so is subject to the ass	surance report required by section 2.8.
ah raf				
68				
00				
69	6a(vi): (Quality of Supply		
70		Project or programme*		(\$000) (\$000)
71		Lowburn voltage regulator replacement		302
72		Brecon St Queenstown feeder upgrade		246
73 74				1/6
75				
76		* include additional rows if needed		
77		All other projects programmes - quality of supply		448
78	, (Quality of supply expenditure		1,172
79 80	less	Capital contributions funding quality of supply		- 1172
00		and a septy iss contractions		1,172
81	6a(vii):	Legislative and Regulatory		
82		Project or programme*		(\$000) (\$000)
83				
85				
86				
87				
88		* include additional rows if needed		
89		All other projects or programmes - legislative and regulatory		
91	less	Capital contributions funding legislative and regulatory		
92		egislative and regulatory less capital contributions		-
<i>93</i>	6a(viii):	Other Reliability, Safety and Environment		(\$222) (\$222)
94 95		Camp Hill 2MVA generator		1.075
96		Omakau 2MVA generator		1,080
97				
98				
99 100		* include additional rouge if needed		
100		All other projects or programmes - other reliability, safety and environment		1
102	C	Other reliability, safety and environment expenditure		2,156
103	less	Capital contributions funding other reliability, safety and environment		-
104	(Other reliability, safety and environment less capital contributions		2,156
105				
106	6a(ix): I	Non-Network Assets		
107	Ro	outine expenditure		
108		Project or programme*		(\$000) (\$000)
109 110		KIGHT-OF-USE ASSETS		193
110				
112				
113				
114		* include additional rows if needed		
115		An other projects or programmes - routine expenditure		14
				207
117	At	Project or programme*		(\$000) (\$000)
110		Operational technology		1.242
120		Enterprise technology and infrastructure		501
121		New offices		297
122		Development of outage management system		278
123				
124 125		* include additional rows if needed		210
125		Atypical expenditure		2.528
127				
128	E	Expenditure on non-network assets		2,735

	Company Name	Aurora Ener	gy Limited
	For Year Ended	31 Marc	h 2023
S(Thi ED op Thi	CHEDULE 6b: REPORT ON OPERATIONAL EXPENDITURE FOR THE DISCLOSURE YEAR is schedule requires a breakdown of operational expenditure incurred in the disclosure year. Bs must provide explanatory comment on their operational expenditure in Schedule 14 (Explanatory notes to templates). This includes explanato erational expenditure and assets replaced or renewed as part of asset replacement and renewal operational expenditure, and additional informat is information is part of audited disclosure information (as defined in section 1.4 of this ID determination), and so is subject to the assurance report	ry comment on any a ion on insurance. rt required by sectior	typical n 2.8.
sch r	ef		
7	6b(i): Operational Expenditure	(\$000)	(\$000)
8	Service interruptions and emergencies	2,882	
9	Vegetation management	5,466	
10	Routine and corrective maintenance and inspection	12,285	
11	Asset replacement and renewal		
12	Network opex		20,633
13	System operations and network support	13,864	
14	Business support	13,774	
15	Non-network opex		27,638
16		_	
17	Operational expenditure	L	48,271
18	6b(ii): Subcomponents of Operational Expenditure (where known)		
19	EDBs' must disclose both a public version of this Schedule (excluding cybersecurity cost data) and a confidential version of this Schedule (includ	ing cybersecurity cost	s)
20	Energy efficiency and demand side management, reduction of energy losses		-
21	Direct billing*	_	
22	Research and development	_	-
23	Insurance	_	501
24	Cybersecurity (Commission only)		-
25	* Direct billing expenditure by suppliers that directly bill the majority of their consumers		

Company Name	
For Voor Ended	

Aurora Energy Limited

For Year Ended

31 March 2023

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 this 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

Line charge revenue	121,784 Forecast (\$000) ² 13,564 12,699 56,231 2,683 1,406 - - 1,406 86,583	123,153 Actual (\$000) 15,246 17,514 54,604 3,728 1,172 - 2,156 3,328	1% % variance 12% 38% (3%) 39% (17%) -
7(ii): Expenditure on Assets Consumer connection System growth Asset replacement and renewal Asset relocations Reliability, safety and environment: Quality of supply Legislative and regulatory Other reliability, safety and environment Total reliability, safety and environment Expenditure on network assets Expenditure on non-network assets Expenditure on assets	Forecast (\$000) ² 13,564 12,699 56,231 2,683 1,406 1,406 36,583	Actual (\$000) 15,246 4 17,514 4 54,604 4 3,728 4 1,172 4 - 4 2,156 4 3,328 4	% variance 12% 38% (3%) 39% (17%) -
7(ii): Expenditure on Assets Consumer connection System growth Asset replacement and renewal Asset relocations Reliability, safety and environment: Quality of supply Legislative and regulatory Other reliability, safety and environment Total reliability, safety and environment Expenditure on network assets Expenditure on non-network assets Expenditure on assets	Forecast (\$000) ² 13,564 12,699 56,231 2,683 - 1,406 - 1,406 86,583	Actual (\$000) 15,246 17,514 54,604 3,728 - 1,172 - 2,156 3,328	% variance 12% 38% (3%) 39% (17%) -
Consumer connection System growth Asset replacement and renewal Asset relocations Reliability, safety and environment: Quality of supply Legislative and regulatory Other reliability, safety and environment Total reliability, safety and environment Expenditure on network assets Expenditure on non-network assets Expenditure on assets	13,564 12,699 56,231 2,683 1,406 - - 1,406 86,583	15,246 17,514 54,604 3,728 - 1,172 - 2,156 3,328	12% 38% (3%) 39% (17%) -
System growth Asset replacement and renewal Asset relocations Reliability, safety and environment: Quality of supply Legislative and regulatory Other reliability, safety and environment Total reliability, safety and environment Expenditure on network assets Expenditure on non-network assets Expenditure on assets	12,699 56,231 2,683 1,406 - - 1,406 86,583	17,514 54,604 3,728 1,172 - 2,156 3,328	38% (3%) 39% (17%) –
Asset replacement and renewal Asset relocations Reliability, safety and environment: Quality of supply Legislative and regulatory Other reliability, safety and environment Total reliability, safety and environment Expenditure on network assets Expenditure on non-network assets Expenditure on assets	56,231 2,683 1,406 - - 1,406 86,583	54,604 3,728 1,172 - 2,156 3,328	(3%) 39% (17%) –
Asset relocations Reliability, safety and environment: Quality of supply Legislative and regulatory Other reliability, safety and environment Total reliability, safety and environment Expenditure on network assets Expenditure on non-network assets Expenditure on assets	2,683 1,406 1,406 86,583	3,728 1,172 - 2,156 3,328	39% (17%)
Reliability, safety and environment: Quality of supply Legislative and regulatory Other reliability, safety and environment Total reliability, safety and environment Expenditure on network assets Expenditure on non-network assets Expenditure on assets	1,406 1,406 86,583	1,172 - 2,156 3,328	(17%)
Quality of supply Legislative and regulatory Other reliability, safety and environment Total reliability, safety and environment Expenditure on network assets Expenditure on non-network assets Expenditure on assets	1,406 - 1,406 86,583	1,172 	(17%)
Legislative and regulatory Other reliability, safety and environment Total reliability, safety and environment Expenditure on network assets Expenditure on non-network assets Expenditure on assets		– 2,156 3,328	-
Other reliability, safety and environment Total reliability, safety and environment Expenditure on network assets Expenditure on non-network assets Expenditure on assets		2,156 3,328	
Total reliability, safety and environment Expenditure on network assets Expenditure on non-network assets Expenditure on assets	1,406 86,583	3,328	-
Expenditure on network assets Expenditure on non-network assets Expenditure on assets	86,583		137%
Expenditure on non-network assets Expenditure on assets		94,420	9%
Expenditure on assets	4,042	2,735	(32%)
	90,625	97,155	7%
7/iii): Onerstianal Europhiture			
(iii): Operational Expenditure		2 000	(100()
Service interruptions and emergencies	4,813	2,882	(40%)
Vegetation management	5,256	5,466	4%
Routine and corrective maintenance and inspection	10,117	12,285	21%
Asset replacement and renewal	-	-	-
Network opex	20,186	20,633	2%
System operations and network support	14,259	13,864	(3%)
Business support	13,855	13,774	(1%)
Non-network opex	28,114	27,638	(2%)
Operational expenditure	48,300	48,271	(0%)
7(iv): Subcomponents of Expenditure on Assets (where known)			
Energy efficiency and demand side management, reduction of energy losses]	-	
Overhead to underground conversion	_	_	_
Research and development	_	_	_
	- -		
7(.). Subserve en entre of Onenetional Europeiditure (base luceur			
7(v): Subcomponents of Operational Expenditure (where known	ı) 		
Energy efficiency and demand side management, reduction of energy losses	_	-	-
Direct billing	_	-	-
Research and development	_	-	-
Insurance	-	501	-
1 From the nominal dollar target revenue for the disclosure year disclosed under clause 2.4.	3(3) of this determina	ition	
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
disclosure year (the second to last disclosure of Schedules 11a and 11b)			
	Expenditure on non-network assets Expenditure on assets	Expenditure on non-network assets 4,042 Expenditure on assets 90,625 7(iii): Operational Expenditure 4,813 Service interruptions and emergencies 4,813 Vegetation management 5,256 Routine and corrective maintenance and inspection 10,117 Asset replacement and renewal - Network opex 20,186 System operations and network support 13,855 Non-network opex 28,114 Operational expenditure 48,300 7(iv): Subcomponents of Expenditure on Assets (where known) - Energy efficiency and demand side management, reduction of energy losses - Overhead to underground conversion - Research and development - V(y): Subcomponents of Operational Expenditure (where known) - Research and development - Insurance - Insurance - Prom the nominal dollar target revenue for the disclosure year disclosed under clause 2.4.3(3) of this determinate are the order of the disclosure year disclosed in accordance with clause 2.6.6 for the forecast provence the order of the disclosure year (the second to last disclosure of Schedules 11a and 11b)	Expenditure on non-network assets 4,042 2,735 Expenditure on assets 90,625 97,155 7(iii): Operational Expenditure 4,813 2,882 Service interruptions and emergencies 4,813 2,882 Vegetation management 5,256 5,466 Routine and corrective maintenance and inspection 10,117 12,285 Asset replacement and renewal - - Network opex 20,186 20,633 System operations and network support 13,855 13,774 Business support 13,855 13,774 Non-network opex 28,114 27,638 Operational expenditure 48,300 48,271 7(iv): Subcomponents of Expenditure on Assets (where known) - - Energy efficiency and demand side management, reduction of energy losses - - Overhead to underground conversion - - - Research and development - - - Insurance - - - - Insurance - - - - Insurance -

ILE 8: REPORT ON BILLE requires the billed quantities and asso	D QUANTITIES AND LI	INE CHARGE REVENU	ES DB in its pricing schedules. Inf	formation is also required o	the number of KPs that are included in each consumer group or price category co	ide, and the energy d	elivered to these l	CPs.					(Network / Sub-	Company Name For Year Ended Network Name	Au	ora Energy Lim 31 March 2023 Total Network	ited
Billed Quantities by Price	Component																
billed Qualitities by Frice	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)	Add outro
Consumer group name or price category code	Consumer type or types (eg, residential, commercial etc.)	Standard or non-standard consumer group (specify)	Average no. of ICPs in disclosure year	Energy delivered to ICPs in disclosure year (MWh)	Unit charging basis (eg, days, KW of demand, kVA of capacity, etc.)	LS	Lamp	kWh	kVA	kVA x km	kW	kVA	LS	kWh	kVA	kW	columns for additional billed quantities by price componen
Residential	Residential	Standard	78.945	679 674		28 833 507		629 624 383	-	- 1				629.053.719	-		as necessary
Load Group 0	General	Standard	70,540	213		116 700		-	101	-		_	116 700	-	_	_	
Load Group 0A	General	Standard	794	1.932		290.009	-	-	344	-	-	-	62,787	-	-	-	
Load Group 1A	General	Standard	928	3,187		338,978	-	-	2,709,176	-	322,007	-	-	-	2,707,224	321,763	
Load Group 1	General	Standard	5,644	43,402		2,061,996	-	-	30,899,475	-	4,824,645	-	-	-	30,899,475	4,824,645	
Load Group 2	General	Standard	7,103	275,775		2,594,762	-	_	128,760,796	_	16,981,494	(511)	-	-	128,733,712	16,980,154	
Load Group 2	General	Non-standard	0	-		33	-	-	-	-	-	-	-	-	-	-	
Load Group 3	General	Standard	234	57,173		85,364	-	-	16,283,386	262,895,109	3,290,407	(140)	-	-	16,283,386	3,290,407	
Load Group 3	General	Non-standard	0	-		24	-	-	-	-	-	-	-	-	-	-	
Load Group 3A	General	Standard	180	86,882		65,627	-	-	20,130,092	283,346,873	5,001,517	(430)	-	-	20,130,092	5,001,517	
Load Group 3A	General	Non-standard	0	-		24	-	-	-	-	-	-	-	-	-	-	
Load Group 4	General	Standard Nee standard	14/	185,259		53,729		-	38,402,350	009,739,658	9,481,531	93,238	-	-	38,402,350	9,481,531	
Load Group 5	General	Nufl-Standard	1	4,141		365		-	-	-	2 220 490	- 9.167	305	-	- 8 697 000	2 220 490	
Load Group 5	General	Stanuaru Non standard	8	50,440		2,921	-	-	6,687,000	100,909,005	2,330,480	8,107	-	-	6,687,000	2,330,480	
Street Lighting	General	Standard	1 2	5,402		300	2 711 766	1 609 337		-			300	1 603 716	-		
DUML excl Street Lighting	General	Standard	-	3,890		- 730	2,/11,/00	4 778	-	-		_	-	4 779	-	_	
Distributed Generation (Large)	General	Non-standard	12	-		_		4,220	-	-		_		4,220	_	_	
Add extra rows for additional co	nsumer aroups or price category co	des as necessary				·			•			••					
		Standard consumer totals	94,309	1,345,795		34,444,325	2,711,766	631,237,938	245,872,720	1,264,890,705	42,232,081	100,323	180,217	630,661,663	245,843,239	42,230,497	
		Non-standard consumer totals	14	9,543		811	-	-	-	-	-	-	730	-	-	-	
		Total for all consumers	94,323	1,355,338		34,445,136	2,711,766	631,237,938	245,872,720	1,264,890,705	42,232,081	100,323	180,947	630,661,663	245,843,239	42,230,497	

																		c	ompany Name	Aur	ora Energy Lim	ted
																			for Year Ended		SI Warch 2023	
																		Network / Sub-	Network Name		Total Network	
	SCHEDULE This schedule requ	8: REPORT ON BILLEI ires the billed quantities and asso	D QUANTITIES AND LI	NE CHARGE REVENU price category code used by the	ES EDB in its pricing schedules. Info	rmation is also required on	the number	of ICPs that are includ	ed in each consume	er group or price category c	ode, and the energy	delivered to these I	CPs.									
31 32	8(ii): Lir	ne Charge Revenues (\$0	00) by Price Component																			
33											Line charge reven	ues (\$000) by price	component									
34										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)	Add extra
35		Consumer group name or price category code	Consumer type or types (eg, residential, commercial etc.)	Standard or non-standard consumer group (specify)	Total line charge revenue in disclosure year	Notional revenue foregone from posted discounts (if applicable)		Total distribution line charge revenue	Fotal transmission line charge revenue (if available)	Rate (eg, \$ per day, \$ pe kWh, etc.	\$ / annum	\$ / Lamp	\$ / kWh	\$ / KVA	\$ / kVA x km	\$ / kW	\$ / kVA	\$ / annum	\$ / kWh	\$ / kva	\$ / kW	additional line charge revenues by price component as
36		Decidential	Peridential	Standard	673.033		ſ	640 770	622.404	1	60.505		644.425						632.404			necessary
3/		Load Group 0	General	Standard	\$72,823			\$49,720	\$23,104	-	\$8,585	-	\$41,135		-		-	-	\$23,104			
30		Load Group 0A	General	Standard	\$315			\$150	\$165		\$150	-	_		-		_	\$165				
40		Load Group 1A	General	Standard	\$669			\$312	\$357		\$154	-	-	\$56	-	\$102	-	\$278	-	\$37	\$42	
41		Load Group 1	General	Standard	\$3,887			\$2,391	\$1,495		\$64	-	-	\$438	-	\$1,889	-	-	-	\$697	\$798	
42		Load Group 2	General	Standard	\$16,182			\$10,914	\$5,269	1	\$162	-	-	\$2,728	-	\$8,025	(\$2)	-	-	\$2,452	\$2,816	
43		Load Group 2	General	Non-standard	\$5,812			\$4,449	\$1,363		\$61	-	-	\$2,071	-	\$2,322	(\$5)	-	-	\$720	\$643	
44		Load Group 3	General	Standard	\$2,856			\$2,043	\$813		\$82	-	-	\$659	\$82	\$1,221	(\$1)	_	-	\$483	\$330	
45		Load Group 3	General	Non-standard	\$1,474			\$1,039	\$434		\$54	-	-	\$204	\$207	\$576	(\$2)	-	-	\$241	\$193	
		Load Group 3A	General	Standard	\$4,295			\$2,816	\$1,479		\$73	-	-	\$620	\$114	\$2,011	(\$2)	-	-	\$829	\$650	
		Load Group 3A	General	Non-standard	\$1,336			\$1,202	\$134	-	\$34	-	-	\$40	\$198	\$934	(\$3)	-	-	\$68	\$66	
		Load Group 4	General	Standard	\$6,868			\$4,055	\$2,813		\$164	-	-	\$300	\$199	\$2,802	\$590	-	-	\$1,358	\$1,455	
		Load Group 5	General	standard	\$3,293			\$2,635	\$658		\$146	-	-	\$615	\$471	\$1,205	\$198	\$54	-	\$303	\$301	
		Load Group 5	General	Non-standard	\$1,579			\$792	\$141	-	511	-	-	\$35	\$56	\$233	594	- \$114		\$382	\$404	
		Street Lighting	General	Standard	\$561			\$422	\$138	-	\$375	\$39	92	-	-	-	_	\$109	\$30	-		
		DUML excl Street Lighting	General	Standard	\$152			\$117	\$35		\$29	\$50	\$38	-	-	-	-	-	\$35	-	-	
46		Distributed Generation (Large)	General	Non-standard	\$631			\$631	-		\$631	-	-	-	-	-	-	-	-	-	-	
47		Add extra rows for additional con	sumer groups or price category cod	es as necessary								·					·					
48				Standard consumer totals	\$110,245	-		\$73,766	\$36,479		\$9,882	\$88	\$41,182	\$4,837	\$450	\$16,649	\$679	\$575	\$23,168	\$6,239	\$6,496	
49				Non-standard consumer totals	\$12,907	-		\$10,178	\$2,730		\$1,020	-	-	\$2,964	\$942	\$5,064	\$188	\$168	-	\$1,345	\$1,217	
50				Total for all consumers	\$123,153	-		\$83,944	\$39,209		\$10,901	\$88	\$41,182	\$7,801	\$1,391	\$21,713	\$867	\$743	\$23,168	\$7,584	\$7,713	
51 52 53	8(iii): N	umber of ICPs directly b Number of directly billed ICPs at	illed year end	10]			Check	OK]												

E 8: REPORT ON BILLE equires the billed quantities and asso Billed Quantities by Price (D QUANTITIES AND LI sciated line charge revenues for each	NE CHARGE REVENU	ES DB in its pricing schedules. In	formation is also required or	the number of KPs that are included in each consumer group or price category co	de, and the energy	delivered to these I	œs.					(Network / Sub-	ompany Name For Year Ended Network Name	Aun	ora Energy Lim 31 March 2023 nedin Sub-netw	nited 3 vork
						Billed quantities b	y 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)	Average no. of ICPs in disclosure year	Energy delivered to ICPs in disclosure year (MWh)	Unit charging basis (eg. days, KW of demand, KVA of capacity, etc.)	کا	Lamp	kWh	kVA	kVA x km	kW	kVA	LS	kWh	kVA	kW	columns for additional biller quantities by price component
Restricted	Residential	Chandrad	40.554	207.002		40.005.000	1	207 002 005						202.002.005			as necessary
Load Group 0	General	Standard	45,551	557,805		36 963		357,803,080	101			-	36.963	397,803,080	-		
Load Group 0A	General	Standard	172	463		62 787	-	-	344	-	-	-	62 787	-	-	-	
Load Group 1A	General	Standard	410	1 411		149 708	-	-	1 197 664	-	140 664	-	-	-	1 197 664	140 664	
Load Group 1	General	Standard	2.805	21,206		1.024.238	-	-	15.359.820	-	2.322.415	-	_	-	15,359,820	2.322.415	
Load Group 2	General	Standard	3,158	130,567		1,152,671	-	-	58,947,890	-	8,211,930	-	-	-	58,947,890	8,211,930	
Load Group 2	General	Non-standard	-	-		-	-	-	-	1	-	-	-	-	-	-	
Load Group 3	General	Standard	107	30,411		39,131	-	-	7,636,368	43,113,925	1,870,608	-	_	-	7,636,368	1,870,608	
Load Group 3	General	Non-standard	-	-		-	-	-	-	-	-	-	-	-	-	-	_
Load Group 3A	General	Standard	92	50,709		33,556	-	-	10,195,126	55,104,589	3,179,985	(150)	-	-	10,195,126	3,179,985	
Load Group 3A	General	Non-standard	-	-		-	-	-	-	-	-	-	-	-	-	-	
Load Group 4	General	Standard	74	100,821		27,146	-	-	19,279,750	108,299,201	5,310,327	48,175	-	-	19,279,750	5,310,327	
Load Group 4	General	Non-standard	-	-		-	-	-	-	-	-	-	-	-	-	-	-
Load Group 5	General	Standard	6	44,843		2,190	-	-	6,862,000	47,680,315	2,097,868	8,167	-	-	6,862,000	2,097,868	
Load Group 5	General	Non-standard	-	-		-	-	-	-	-	-	-	-	-	-	-	
Street Lighting	General	Standard	2	4,287		730	-	-	-	-	-	-	730	-	-	-	-
DUML, excl Street Lighting	General	Standard		4		-	-	4,228	-	-	-	-	-	4,228	-	-	-
Distributed Generation (Large)	General	Non-standard	1	-		-	-	-	-	-		-	-	-	-	-	1
Add extra rows for additional col	nsumer groups or price category coo	ies as necessary						1								1	1
		Londord conclusion		101		20 616 050		207 207 244	110 470 002	254 109 020	22 122 707	EE 102	100 /00	207 207 214	110 470 640	72 122 707	
		Standard consumer totals	56,480	/82,58/		20,615,059	-	397,807,314	119,479,063	254,198,030	23,133,797	56,192	100,480	397,807,314	119,478,618	23,133,797	-

h ref

																			Company Name For Year Ended	Aur	ora Energy Lim 31 March 2023	ited
																		Network / Sub-	Network Name	Du	nedin Sub-netw	ork
	SCHEDULE 8 This schedule require	: REPORT ON BILLE es the billed quantities and asso	D QUANTITIES AND LI ciated line charge revenues for each	NE CHARGE REVENU price category code used by the	EDB in its pricing schedules. In	nformation is also required	on the number o	of ICPs that are inclu	ded in each consume	er group or price category co	de, and the energy	delivered to these I	CPs.									
31 32	8(ii): Line	e Charge Revenues (\$0	00) by Price Component																			
33											Line charge reven	ues (\$000) by price	component									
34										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)	Add extra columns for
35	c	Consumer group name or price category code	Consumer type or types (eg, residential, commercial etc.)	Standard or non-standard consumer group (specify)	Total line charge revenue in disclosure year	Notional revenue foregone from posted discounts (if applicable)		Total 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	additional line charge revenues by price component as
36		ocidential	Decidential	Standard	630.400	1	і г	625.057	642.442	ı	65 202		630.000				1		642.442			necessary
3/		esidential	General	Standard	\$39,480		} -	\$20,067	\$13,413		\$5,382	-	\$20,080		-		-	-	\$13,413		-	
30	10	pad Group 0A	General	Standard	\$22			\$60	\$74		\$60	_	_		_		-	\$74	_		-	
40		pad Group 1A	General	Standard	\$180			\$121	\$59		\$6	-	-	\$40	-	\$74	-	-	-	\$30	\$29	
41	Lo	oad Group 1	General	Standard	\$2,744			\$1,694	\$1,050		\$44	-	-	\$307	-	\$1,343	-	-	-	\$535	\$516	
42	La	oad Group 2	General	Standard	\$10,050		1 [\$6,516	\$3,534		\$97	-	-	\$1,509	-	\$4,910	-	-	-	\$1,816	\$1,718	
43	L	oad Group 2	General	Non-standard	-			-	-		-	-	-	-	-	-	-	-	-	-	-	
44	La	pad Group 3	General	Standard	\$2,069			\$1,386	\$684		\$63	-	-	\$379	\$47	\$898	(\$1)	-	-	\$354	\$329	
45	Lo	oad Group 3	General	Non-standard	-			-	-		-	-	-	-	-	-	-	-	-	-	-	
	L	pad Group 3A	General	Standard	\$3,233		-	\$1,918	\$1,315		\$54	-	-	\$228	\$61	\$1,577	(\$2)	-	-	\$667	\$648	
	Lo	pad Group 3A	General	Non-standard	-		4 –	-			-	-	-		-		-	-	-			
	10	bad Group 4	General	Standard	\$4,834		-	\$2,894	\$1,939		\$120	-	-	\$79	\$119	\$2,168	\$408	-	-	\$989	\$950	
		bad Group 4	General	Standard	-		-	6721	6721		- 610	-	-	-	-	-	-	-	-	-	-	
	1	and Group 5	General	Non-standard	\$1,401		1 -	\$731	3/31		510			320	- -	\$307	3/3			3377	2000	
	5	treet Lighting	General	Standard	\$483		1 -	\$375	\$109		\$375	-	_	-	-	-	-	\$109	-	-	-	
	D	UML excl Street Lighting	General	Standard	\$0		1 F	SO	\$0		\$0	-	\$0	-	-	-	-	-	\$0	-	-	
46	D	istributed Generation (Large)	General	Non-standard	\$139			\$139	-		\$139	-	-	-	-	-	-	-	-	-	-	
47	A	dd extra rows for additional co	sumer groups or price category cod	les as necessary													-					
48				Standard consumer totals	\$64,641	-		\$41,780	\$22,862		\$6,229	_	\$20,686	\$2,570	\$280	\$11,537	\$478	\$138	\$13,413	\$4,767	\$4,543	
49				Non-standard consumer totals	\$139	-		\$139	-		\$139	-	-	-	-	-	-	-	-	-	-	
50				Total for all consumers	\$64,781	-		\$41,919	\$22,862		\$6,368	-	\$20,686	\$2,570	\$280	\$11,537	\$478	\$138	\$13,413	\$4,767	\$4,543	
51 52 53	8(iii): Nu N	mber of ICPs directly b umber of directly billed ICPs at	villed Year end	1]			Check	ОК	l												

Company Name	Aurora Energy Limited

For Year Ended 31 March 2023
Network / Sub-Network Name Central Otago and Wanaka Sub-network

SCHEDULE 8: REPORT ON BILLED QUANTITIES AND LINE CHARGE REVENUES

vde used by the EDB in its pricing schedules. Information is also required on the number of ICPs that are included in each consumer group or price category code, and the energy delivered to these ICPs.

8(i): Billed Quantities by Price Component

	Billed quantities b	y 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)	Add outer
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	columns for additional billed quantities by price component
							1					as necessary
	6,611,/92	-	127,889,634	-	-	-	-	20.040	127,889,634	-	-	
	136 961	_	_	_					_	_	_	
	121.165	-	-	966.672	-	114.312	-	-	-	966.672	114.312	1
	651,765	-	-	9,749,760	-	1,404,294	-	-	-	9,749,760	1,404,294	
	767,611	-	-	38,905,766	-	4,118,351	(385)	-	-	38,905,766	4,118,351	
	33	-	1	1	-	-	-	-	-	-	-	
	32,710	-	-	6,062,453	187,983,803	734,423	(140)	-	-	6,062,453	734,423	
	24	-	-	-	-	-	-	-	-	-	-	
	18,773	-	-	5,987,318	179,621,489	935,139	(280)	-	-	5,987,318	935,139	
	24	-	-	-	-	-	-	-	-	-	-	
	15,148	-	-	11,246,100	428,217,540	1,874,776	23,563	-	-	11,246,100	1,874,776	
	-	-	-	-	-	-	-	-	-	-	-	1
	366	-	-	912,500	60,133,750	36,972	-	-	-	912,500	36,972	4
	-	-	-	-	-	-	-	-	-	-	-	4
	-	1,634,829	913,605	-	-	-	-	-	913,605	-	-	
	-	-	-	-		-	-		-	-	-	1
	-	-	-	-					-	-	-	1
	8,396,242	1,634,829	128,803,239	73,830,569	855,956,582	9,218,267	22,758	39,949	128,803,239	73,830,569	9,218,267	
	81	-	-	-	-	-	-	-	-	-	-	
	8,396,323	1,634,829	128,803,239	73,830,569	855,956,582	9,218,267	22,758	39,949	128,803,239	73,830,569	9,218,267	

Consumer group name or price category code	Consumer type or types (eg, residential, commercial etc.)	Standard or non-standard consumer group (specify)	Average no. of ICPs in disclosure year	Energy deliv in disclosure
Residential	Residential	Standard	18,065	1
Load Group 0	General	Standard	109	T
Load Group 0A	General	Standard	374	T
Load Group 1A	General	Standard	331	
Load Group 1	General	Standard	1,781	
Load Group 2	General	Standard	2,097	T
Load Group 2	General	Non-standard	0	
Load Group 3	General	Standard	89	
Load Group 3	General	Non-standard	0	T
Load Group 3A	General	Standard	51	
Load Group 3A	General	Non-standard	0	
Load Group 4	General	Standard	41	
Load Group 4	General	Non-standard	-	
Load Group 5	General	Standard	1	
Load Group 5	General	Non-standard	-	
Street Lighting	General	Standard	0	
DUML, excl Street Lighting	General	Standard	-	
Distributed Generation (Large)	General	Non-standard	9	
Add extra rows for additional co	sumer groups or price category co	des as necessary		Т., ст. с.
		Standard consumer totals	22,941	
		Non-standard consumer totals	9	
		Total for all consumers	22.950	

																	Company Name	Aur	ora Energy Lim	ited
																	For Year Ended		31 March 2023	(
																Network / Sub	Network Name	Central Otag	o and Wanaka	Sub-network
	SCHEDULE & REDORT ON RULE	D OLIANTITIES AND L		150																
	SCHEDULE 8: REPORT ON BILLE	D QUANTITIES AND L	INE CHARGE REVENU	125																
	This schedule requires the billed quantities and ass	ociated line charge revenues for eac	h price category code used by the	EDB in its pricing schedules. Information is also require	d on the numb	er of ICPs that are inclu	ided in each consume	er group or price category o	ode, and the energy	delivered to these I	CPs.									
31	8(ii): Line Charge Revenues (\$	000) by Price Component																		
32																				
33									Line charge reven	ues (\$000) by price	component									
													Canacity -	Control Region	Transformer				Control Period	i i
								Price component	Fixed	Fixed	Energy Delivery	Capacity	Distance	Demand	Lease, Other	Fixed	Energy Delivery	Capacity	Demand	í I
									(Distribution)	(Distribution)	(Distribution)	(Distribution)	(Distribution)	(Distribution)	Charges & Rebates	(Transmission)	(Transmission)	(Transmission)	(Transmission)	Add extra
34															(Distribution)					columns for
							Total transmission	Bata lag É par dau É pa												additional line
	Consumer group name or price	e Consumer type or types (es	Standard or non-standard	Notional revenue Total line charge revenue foregone from poste		Total distribution	line charge	kWh. etc.	\$ / annum	\$ / Lamp	\$ / kWh	\$ / kVA	\$ / kVA x km	\$ / kW	\$ / kVA	\$ / annum	\$ / kWh	\$ / kVA	\$ / kW	charge revenues
35	category code	residential, commercial etc.)	consumer group (specify)	in disclosure year discounts (if applicable	2 2)	revenue	available)													by price
36																				necessary
37	Residential	Residential	Standard	\$20,404		\$15,306	\$5,098		\$1,971	-	\$13,335	-	-	-	-	-	\$5,098	-	-	í i
38	Load Group 0	General	Standard	-		-	-		-	-	-	-	-	-	-	-	-	-	-	i i
39	Load Group 0A	General	Standard	\$62		\$22	\$40		\$22	-	-	-	-	-	-	\$40	-	-	-	í i
40	Load Group 1A	General	Standard	\$422		\$145	\$278		\$145	-	-	-	-	-	-	\$278	-	-	-	i i
41	Load Group 1	General	Standard	\$127		\$117	\$10		\$5	-	-	\$41	-	\$71	-	-	-	\$6	\$4	i i
42	Load Group 2	General	Standard	\$1,299		\$1,289	\$10		\$26	-	-	\$310	-	\$954	(\$0)	-	-	\$7	\$3	í i
43	Load Group 2	General	Non-standard	\$5,812		\$4,449	\$1,363		\$61	-	-	\$2,071	-	\$2,322	(\$5)	-	-	\$720	\$643	í .
44	Load Group 3	General	Standard	-		-	-			-	-		-	-	-	-	-	-	-	í i
45	Load Group 3	General	Non-standard	\$1,474		\$1,039	\$434		\$54	-	-	\$204	\$207	\$576	(\$2)	-	-	\$241	\$193	í i
	Load Group 3A	General	Standard Nee standard	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	í i
	Load Group A	General	Standard	\$1,330		\$1,202	\$134		\$34	-	-	\$40	\$198	Ş 9 34	(\$3)		-	80¢	00¢	í i
	Load Group 4	General	Non-standard	\$3.160	-	\$7.556	\$604		\$67	-	_	\$615	\$471	\$1.205	\$108		-	\$303	\$201	
	Load Group 5	General	Standard	-	-	-	-		-	-	_	-	-	-	-		-	-	-	
	Load Group 5	General	Non-standard	\$155		\$128	\$27		\$2	-	-	\$33	\$66	\$27	-	-	-	S14	\$13	
	Street Lighting	General	Standard	_		-	-		-	-	-	-	-	-	-	-	-	-	-	í i
	DUML, excl Street Lighting	General	Standard	\$123		\$88	\$35		-	\$50	\$38	-	-	-	-	-	\$35	-	-	í i
46	Distributed Generation (Large)	General	Non-standard	\$491		\$491	-		\$491	-	-	-	-	-	-	-	-	-	-	í i
47	Add extra rows for additional co	onsumer groups or price category co	des as necessary		_															
48			Standard consumer totals	\$22,437 -		\$16,967	\$5,470		\$2,168	\$50	\$13,373	\$351	-	\$1,025	(\$0)	\$317	\$5,133	\$12	\$7	1
49			Non-standard consumer totals	\$12,429 -		\$9,867	\$2,562		\$709	-	-	\$2,964	\$942	\$5,064	\$188	-	-	\$1,345	\$1,217	(I
50			Total for all consumers	\$34,866 -		\$26,834	\$8,032		\$2,878	\$50	\$13,373	\$3,315	\$942	\$6,089	\$188	\$317	\$5,133	\$1,357	\$1,224	1
51																				
52	8(iii): Number of ICPs directly	billed		-		Check	OK													
53	Number of directly billed ICPs a	at year end	4																	

													C I Network / Sub-I	ompany Name or Year Ended Ietwork Name	Aun	ora Energy Lim 31 March 2023 nstown Sub-ne	nited 3 etwork
E 8: REPORT ON BILLE quires the billed quantities and asso	D QUANTITIES AND LI	NE CHARGE REVENU price category code used by the E	ES EDB in its pricing schedules. Information	i is also required on	e number of ICPs that are included in each consumer group or price category cod	de, and the energy	delivered to these N	Ps.						·			
illed 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)	Average no. of ICPs in Energy d disclosure year in disclos	delivered to ICPs sure 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	additional b quantities price compo
Residential	Desidential	Standard	11.240	102 261	Г	4 103 751	1	103 360 000	1					103 360 000			as neces:
Load Group 0	General	Standard	109	73		39 788	-	-	-		_	_	39 788	-	-		1
Load Group 0A	General	Standard	246	671		89,773	-	-	-	-	-	-	-	-	-	-	1
Load Group 1A	General	Standard	186	600		67.861	-	-	542.888	-	66,787	-	-	-	542.888	66.787	1
Load Group 1	General	Standard	1,058	9,043		385,993	-	-	5,789,895	-	1,097,936	-	-	-	5,789,895	1,097,936	
Load Group 2	General	Standard	1,845	65,572		673,504	-	-	30,880,056	-	4,649,873	(126)	-	-	30,880,056	4,649,873	
Load Group 2	General	Non-standard	-	-		-	-	-	-	-	-	-	-	-	-	-	
Load Group 3	General	Standard	37	10,168		13,523	-	_	2,584,565	31,797,381	685,376	-	-	-	2,584,565	685,376	
Load Group 3	General	Non-standard	-	-		-	-	-	-	-	-	-	-	-	-	-	
Load Group 3A	General	Standard	36	13,199		13,298	-	-	3,947,648	48,620,795	886,393	-	-	-	3,947,648	886,393	
Load Group 3A	General	Non-standard	-	-		-	-	-	-	-	-	-	-	-	-	-	
Load Group 4	General	Standard	31	43,451		11,435	-	-	7,876,500	73,222,917	2,296,428	21,500	-	-	7,876,500	2,296,428	
Load Group 4	General	Non-standard	1	4,141		365	-	-	-	-	-	-	365	-	-	-	
Load Group 5	General	Standard	1	3,255		365	-	-	912,500	1,095,000	195,640	-	-	-	912,500	195,640	
Load Group 5	General	Non-standard	1	5,402		365	-	-	-	-	-	-	365	-	-	-	
Street Lighting	General	Standard	3	690		-	1,057,173	690,111	-	-	-	-	-	690,111	-	-	-
DUML, excl Street Lighting	General	Standard	-	-		-	-	-	-	-	-	-	-	-	-	-	-
Distributed Generation (Large)	General	Non-standard	2	-		-	-	-	-		-	-	-	-	-		
Add extra rows for additional co	nsumer groups or price category coo	les as necessary	r		г												1
Add extra rows for additional co	nsumer groups or price category coo	les as necessary Standard consumer totals	14,793	250,081	Ę	5,398,291	1,057,173	104,051,110	52,534,052	154,736,093	9,878,433	21,374	39,788	104,051,110	52,534,052	9,878,433	1

																		Company Name For Year Ended	Aur	ora Energy Lin 31 March 202	ited 3
																	Network / Sub-	Network Name	Quee	nstown Sub-ne	twork
31	SCHEDULI This schedule re 8(ii): L	E 8: REPORT ON BILLE	D QUANTITIES AND LI ciated line charge revenues for each	NE CHARGE REVENU price category code used by the	JES EDB in its pricing schedules. Ir	nformation is also required on the	e number of ICPs that are inclu	ided in each consum	er group or price category co	ode, and the energy	delivered to these l	CPs.									
32	~ /																				
33										Line charge reven	ues (\$000) by price	component						· · · · · · · · · · · · · · · · · · ·			1
34									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)	Add extra
35		Consumer group name or price category code	Consumer type or types (eg, residential, commercial etc.)	Standard or non-standard consumer group (specify)	Total line charge revenue in disclosure year	Notional revenue foregone from posted discounts (if applicable)	Total 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	S / KVA	\$ / kW	additional line charge revenues by price component as
36		Recidential	Decidential	Etondord	643.054		60.000	64.503	1	64.000		67,020						64.502			necessary
3/		Load Group 0	General	Standard	\$12,854		\$8,202	\$4,592	-	\$1,223	-	\$7,039	-	-	-		- 610	\$4,592	-		1 .
20		Load Group 04	General	Standard	\$35		\$10	\$101	-	\$67		_					\$101			<u> </u>	1 .
40		Load Group 1A	General	Standard	\$67		\$46	\$21	-	\$3	-	-	\$16	_	\$27	-	-	-	\$8	\$13	
41		Load Group 1	General	Standard	\$1.016		\$581	\$435		\$15	-	-	\$90	-	\$475	-	-	-	\$157	\$278	
42		Load Group 2	General	Standard	\$4,831		\$3,105	\$1,725		\$39	-	-	\$907	-	\$2,160	(\$2)	-	-	\$630	\$1,096	1
43		Load Group 2	General	Non-standard	-		-	-		-	-	-	-	-	-	-	-	-	_ 1	-	
44		Load Group 3	General	Standard	\$787		\$657	\$130		\$19	-	-	\$280	\$35	\$323	-	-	-	\$129	\$1	J .
45		Load Group 3	General	Non-standard	-		-	_		-	-	_	-	-	-	-	-	-	-	-	1 .
		Load Group 3A	General	Standard	\$1,063		\$898	\$164		\$19	-	-	\$392	\$54	\$434	-		-	\$162	\$2	
		Load Group 3A	General	Non-standard	-		-	-		-	-	-	-	-	-	-		-	-	-	
		Load Group 4	General	Standard	\$2,035		\$1,161	\$874	_	\$44	-	-	\$221	\$80	\$635	\$181		-	\$369	\$505	4 .
		Load Group 4	General	Non-standard	\$133		\$79	\$54	-	\$79	-	-	-	-	-	-	\$54				4
1		Load Group 5	General	Standard New standard	\$118		\$62	\$56		\$1	-	-	\$7	\$1	\$31	\$21	-	-	\$5	\$51	
		Load Group 5	General	Non-standard	\$206		\$92	\$114	-	\$92	-		-	-	-		5114	-	-		1 .
		DUML evel Street Lighting	General	Standard	\$70		\$40		-	\$70	220	33						550		<u> </u>	1 .
46		Distributed Generation (Large)	General	Non-standard	-		-	-		-	-	-	-	-	-	-	-	-	-	-	
47		Add extra rows for additional con	sumer groups or price category cod	les as necessary		J		•			•										
48				Standard consumer total	\$23,077	-	\$14,930	\$8,147		\$1,474	\$38	\$7,048	\$1,914	\$170	\$4,085	\$201	\$120	\$4,622	\$1,460	\$1,946	
49				Non-standard consumer total	\$339	-	\$171	\$168		\$171	-	-	-	-	-	-	\$168	-	-	-	1
50				Total for all consumer	\$23,416	-	\$15,101	\$8,315		\$1,645	\$38	\$7,048	\$1,914	\$170	\$4,085	\$201	\$288	\$4,622	\$1,460	\$1,946	1
51 52 53	8(iii):	Number of ICPs directly b Number of directly billed ICPs at	villed year end	5			Check	ок]												

Company Name	Aurora Energy Limited
For Year Ended	31 March 2023
Network / Sub-network Name	Total 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.	29,480	30,590	1,110	4
10	All	Overhead Line	Wood poles	No.	24,194	23,065	(1,129)	4
11	All	Overhead Line	Other pole types	No.			-	3
12	HV	Subtransmission Line	Subtransmission OH up to 66kV conductor	km	523	522	(1)	4
13	HV	Subtransmission Line	Subtransmission OH 110kV+ conductor	km			-	N/A
14	HV	Subtransmission Cable	Subtransmission UG up to 66kV (XLPE)	km	35	36	1	3
15	HV	Subtransmission Cable	Subtransmission UG up to 66kV (Oil pressurised)	km	25	25	(0)	3
16	HV	Subtransmission Cable	Subtransmission UG up to 66kV (Gas pressurised)	km	16	16	(0)	3
17	HV	Subtransmission Cable	Subtransmission UG up to 66kV (PILC)	km	11	11	(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.	35	36	1	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.	145	153	8	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.	52	57	5	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.	22	24	2	4
34	HV	Zone Substation Transformer	Zone Substation Transformers	No.	67	68	1	4
35	HV	Distribution Line	Distribution OH Open Wire Conductor	km	2,279	2,276	(2)	4
36	HV	Distribution Line	Distribution OH Aerial Cable Conductor	km			-	N/A
37	HV	Distribution Line	SWER conductor	km	9	9	(0)	4
38	HV	Distribution Cable	Distribution UG XLPE or PVC	km	748	778	29	3
39	HV	Distribution Cable	Distribution UG PILC	km	418	413	(5)	3
40	HV	Distribution Cable	Distribution Submarine Cable	km	5	5	-	4
41	HV	Distribution switchgear	3.3/6.6/11/22kV CB (pole mounted) - reclosers and sectionalisers	No.	56	58	2	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.	7,164	7,250	86	4
44	HV	Distribution switchgear	3.3/6.6/11/22kV Switch (ground mounted) - except RMU	No.	509	480	(29)	3
45	HV	Distribution switchgear	3.3/6.6/11/22kV RMU	No.	888	933	45	3
46	HV	Distribution Transformer	Pole Mounted Transformer	No.	3,984	3,991	7	4
47	HV	Distribution Transformer	Ground Mounted Transformer	No.	3,259	3,312	53	4
48	HV	Distribution Transformer	Voltage regulators	No.	28	32	4	4
49	HV	Distribution Substations	Ground Mounted Substation Housing	No.	350	345	(5)	4
50	LV	LV Line	LV OH Conductor	km	1,032	1,028	(4)	4
51	LV	LV Cable	LV UG Cable	km	1,112	1,136	24	4
52	LV	LV Street lighting	LV OH/UG Streetlight circuit	km	1,069	1,071	3	4
53	LV	Connections	OH/UG consumer service connections	No.	95,348	96,311	963	4
54	All	Protection	Protection relays (electromechanical, solid state and numeric)	No.	779	751	(28)	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	15	(6)	4
58	All	Load Control	kelays	No	2,292	2,291	(1)	2
59	All	CIVIIS	Capie Lunneis	km			-	IN/A

Company Name	Aurora Energy Limited
For Year Ended	31 March 2023
Network / Sub-network Name	Dunedin 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.	18,168	18,501	333	4
10	All	Overhead Line	Wood poles	No.	11,033	10,676	(357)	4
11	All	Overhead Line	Other pole types	No.			-	N/A
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	14	14	0	3
15	HV	Subtransmission Cable	Subtransmission UG up to 66kV (Oil pressurised)	km	25	25	(0)	3
16	HV	Subtransmission Cable	Subtransmission UG up to 66kV (Gas pressurised)	km	16	16	(0)	3
17	HV	Subtransmission Cable	Subtransmission UG up to 66kV (PILC)	km	11	11	(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.	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.			-	N/A
27	HV	Zone substation switchgear	33kV Switch (Ground Mounted)	No.			-	N/A
28	HV	Zone substation switchgear	33kV Switch (Pole Mounted)	No.	76	82	6	4
29	HV	Zone substation switchgear	33kV RMU	No.			-	N/A
30	HV	Zone substation switchgear	22/33kV CB (Indoor)	No.	3	3	-	4
31	HV	Zone substation switchgear	22/33kV CB (Outdoor)	No.	19	19	-	4
32	HV	Zone substation switchgear	3.3/6.6/11/22kV CB (ground mounted)	No.	244	244	-	4
33	HV	Zone substation switchgear	3.3/6.6/11/22kV CB (pole mounted)	No.	1	1	-	4
34	HV	Zone Substation Transformer	Zone Substation Transformers	No.	34	34	-	4
35	HV	Distribution Line	Distribution OH Open Wire Conductor	km	722	721	(1)	4
36	HV	Distribution Line	Distribution OH Aerial Cable Conductor	km			-	N/A
37	HV	Distribution Line	SWER conductor	km	9	9	(0)	4
38	HV	Distribution Cable	Distribution UG XLPE or PVC	km	52	54	2	3
39	HV	Distribution Cable	Distribution UG PILC	km	275	273	(1)	3
40	HV	Distribution Cable	Distribution Submarine Cable	km	5	5	-	4
41	HV	Distribution switchgear	3.3/6.6/11/22kV CB (pole mounted) - reclosers and sectionalisers	No.	15	15	-	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.	2,849	2,868	19	4
44	HV	Distribution switchgear	3.3/6.6/11/22kV Switch (ground mounted) - except kivio	NO.	299	2/2	(27)	3
45	HV	Distribution Switchgear	3.3/6.6/11/22KV RIVIU	NO.	398	413	15	3
40	HV	Distribution Transformer	Converted Transformer	NO.	1,075	1,674	(1)	4
47		Distribution Transformer	Ground Mounted Transformer	NO.	967	395	0	4
48	HV	Distribution Transformer	Cround Mounted Substation Housing	NO.	250	245	- (E)	4
49 50	117	LV Line	N OH Conductor	km	911	900	(3)	4
51		LV Cable		km	305	310	(2)	4
52		LV Stroot lighting	LV OU Cable	km	692	692	(1)	4
53	IV	Connections	OH/UG consumer service connections	No	57 147	57 511	364	4
54	All	Protection	Protection relays (electromechanical solid state and numeric)	No.	581	542	(39)	4
55	All	SCADA and communications	SCADA and communications equipment operating as a single system	Lot	1	1	(55)	4
56	All	Capacitor Banks	Capacitors including controls	No	3	3	_	4
57	All	Load Control	Centralised plant	Lot	18	12	(6)	4
58	All	Load Control	Relays	No	1,125	1,122	(3)	2
59	All	Civils	Cable Tunnels	km	,	,	-	N/A

Company Name	Aurora Energy Limited
For Year Ended	31 March 2023
Network / Sub-network Name	Central Otago and Wanaka Sub-network

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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.	9,593	10,217	624	4
10	All	Overhead Line	Wood poles	No.	10,200	9,583	(617)	4
11	All	Overhead Line	Other pole types	No.			-	N/A
12	HV	Subtransmission Line	Subtransmission OH up to 66kV conductor	km	310	309	(0)	4
13	HV	Subtransmission Line	Subtransmission OH 110kV+ conductor	km			-	N/A
14	HV	Subtransmission Cable	Subtransmission UG up to 66kV (XLPE)	km	9	9	1	3
15	HV	Subtransmission Cable	Subtransmission UG up to 66kV (Oil pressurised)	km			-	N/A
16	HV	Subtransmission Cable	Subtransmission UG up to 66kV (Gas pressurised)	km			-	N/A
17	HV	Subtransmission Cable	Subtransmission UG up to 66kV (PILC)	km	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	10	1	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	52	2	4
29	HV	Zone substation switchgear	33kV RMU	No.	1	1	-	4
30	HV	Zone substation switchgear	22/33kV CB (Indoor)	No.			-	N/A
31	HV	Zone substation switchgear	22/33kV CB (Outdoor)	No.	21	26	5	4
32	HV	Zone substation switchgear	3.3/6.6/11/22kV CB (ground mounted)	No.	48	50	2	4
33	HV	Zone substation switchgear	3.3/6.6/11/22kV CB (pole mounted)	No.	11	13	2	4
34	HV	Zone Substation Transformer	Zone Substation Transformers	No.	19	20	1	4
35	HV	Distribution Line	Distribution OH Open Wire Conductor	km	1,271	1,271	(0)	4
36	HV	Distribution Line	Distribution OH Aerial Cable Conductor	km			-	N/A
37	HV	Distribution Line	SWER conductor	km			-	N/A
38	HV	Distribution Cable	Distribution UG XLPE or PVC	km	493	515	22	3
39	HV	Distribution Cable	Distribution UG PILC	km	60	58	(2)	3
40	HV	Distribution Cable	Distribution Submarine Cable	km			-	N/A
41	HV	Distribution switchgear	3.3/6.6/11/22kV CB (pole mounted) - reclosers and sectionalisers	No.	27	30	3	4
42	HV	Distribution switchgear	3.3/6.6/11/22kV CB (Indoor)	No.			-	N/A
43	HV	Distribution switchgear	3.3/6.6/11/22kV Switches and fuses (pole mounted)	No.	3,333	3,396	63	4
44	HV	Distribution switchgear	3.3/6.6/11/22kV Switch (ground mounted) - except RMU	No.	88	88	-	3
45	HV	Distribution switchgear	3.3/6.6/11/22kV RMU	No.	247	266	19	3
46	HV	Distribution Transformer	Pole Mounted Transformer	No.	1,853	1,860	7	4
47	HV	Distribution Transformer	Ground Mounted Transformer	No.	1,433	1,476	43	4
48	HV	Distribution Transformer	Voltage regulators	No.	18	22	4	4
49	HV	Distribution Substations	Ground Mounted Substation Housing	No.			-	N/A
50	LV	LV Line	LV OH Conductor	кm	1/6	1/4	(1)	4
51	LV	LV Cable	LV UG Cable	кm	490	510	20	4
52	LV	Lv Street lighting		km	244	248	4	4
53	LV	Connections	OH/OG consumer service connections	NO.	23,042	23,580	538	4
54	All	SCADA and communications	CADA and communications only imment operating as a size in the	INO.	120	131	11	4 N/A
55	All	Consister Panks	Consisters including controls	LOT	-		-	
50	All	Load Control	Controlised plant	INO Lot	-	2	-	11/14
50		Load Control	Polove	LUT	602	2	-	4
59		Civils	Cable Tunnels	km	095	090	5	∠ N/A
55	All	CIVID	cable rutificis	KIII			-	17/75

Company Name	Aurora Energy Limited
For Year Ended	31 March 2023
Network / Sub-network Name	Queenstown Sub-network

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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.	1,719	1,872	153	4
10	All	Overhead Line	Wood poles	No.	2,961	2,806	(155)	4
11	All	Overhead Line	Other pole types	No.	-		-	N/A
12	HV	Subtransmission Line	Subtransmission OH up to 66kV conductor	km	70	69	(0)	4
13	HV	Subtransmission Line	Subtransmission OH 110kV+ conductor	km	-		-	N/A
14	HV	Subtransmission Cable	Subtransmission UG up to 66kV (XLPE)	km	13	13	0	3
15	HV	Subtransmission Cable	Subtransmission UG up to 66kV (Oil pressurised)	km	-		-	N/A
16	HV	Subtransmission Cable	Subtransmission UG up to 66kV (Gas pressurised)	km	-		-	N/A
17	HV	Subtransmission Cable	Subtransmission UG up to 66kV (PILC)	km	-		-	N/A
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.	-		-	N/A
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.	-		-	N/A
30	HV	Zone substation switchgear	22/33kV CB (Indoor)	No.	6	6	-	4
31	HV	Zone substation switchgear	22/33kV CB (Outdoor)	No.	12	12	-	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	285	284	(1)	4
36	HV	Distribution Line	Distribution OH Aerial Cable Conductor	km	-		-	N/A
37	HV	Distribution Line	SWER conductor	km	-		-	N/A
38	HV	Distribution Cable	Distribution UG XLPE or PVC	km	203	209	6	3
39	HV	Distribution Cable	Distribution UG PILC	km	82	81	(1)	3
40	HV	Distribution Cable	Distribution Submarine Cable	km	-		-	N/A
41	HV	Distribution switchgear	3.3/6.6/11/22kV CB (pole mounted) - reclosers and sectionalisers	No.	13	13	-	4
42	HV	Distribution switchgear	3.3/6.6/11/22kV CB (Indoor)	No.	-		-	N/A
43	HV	Distribution switchgear	3.3/6.6/11/22kV Switches and fuses (pole mounted)	No.	982	986	4	4
44	HV	Distribution switchgear	3.3/6.6/11/22kV Switch (ground mounted) - except RMU	No.	121	120	(1)	3
45	HV	Distribution switchgear	3.3/6.6/11/22kV RMU	No.	242	254	12	3
46	HV	Distribution Transformer	Pole Mounted Transformer	No.	456	457	1	4
47	HV	Distribution Transformer	Ground Mounted Transformer	No.	834	843	9	4
48	HV	Distribution Transformer	Voltage regulators	No.	8	8	-	4
49	HV	Distribution Substations	Ground Mounted Substation Housing	No.	-		-	N/A
50	LV	LV Line	LV OH Conductor	km	46	45	(1)	4
51	LV	LV Cable	LV UG Cable	km	311	315	5	4
52	LV	LV Street lighting	LV OH/UG Streetlight circuit	km	140	141	1	4
53	LV	Connections	OH/UG consumer service connections	No.	15,016	15,220	204	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	-	-	-	N/A
56	All	Capacitor Banks	Capacitors including controls	No	-	-	-	N/A
57	All	Load Control	Centralised plant	Lot	1	1	-	4
58	All	Load Control	Relays	No	469	471	2	2
59	All	Civils	Cable Tunnels	km			-	N/A

																					Company Name Aurora Energy Limited											
																					For Year End	ded 31 March 2023										
																			N	etwork / Sub	-network Nan	ne					Total Netw	vork				
5	HEDU	E 9b: ASSET AGE PROF	ILE																													
т	s schedule i	quires a summary of the age profile	(based on year of installation) of the assets that make up the network, by	asset category and	l asset class. All	inits relating	to cable and li	ine assets, that are	expressed in	km, refer to	circuit lengths.																					
sch ret																																
8		Disclosure Year (year ended)							Numbe	r of assets a	t disclosure year	end by instal	lation date																			
																													No with	Items at		
					1940 195	0 1960	1970	1980 199	5																				age	year dr	fault Data accuracy	
9	Voltage	Asset category	Asset class Ur	nits pre-1940	-1949 -19	9 -1969	-1979	-1989 -195	9 2000	2001	2002 200	3 2004	2005	2006	2007 200	8 2009	2010	2011 201	2 2013	2014	2015 201	5 2017	2018	2019 2	020 2021	2022	2023	2024 2025	unknown	(quantity) d	ates (1-4)	
10	All	Overhead Line	Concrete poles / steel structure	No.	17 1,4	89 6,003	4,300	2,922 1,6	38 98	72	119 1	51 12	7 63	105	168 1	73 158	112	130 3	44 538	446	729 6	47 968	2,252	1,495	1,083 1,29	9 1,715	1,229		+	30,590	4	
12	All	Overhead Line	Other pole types	NO. 636	654 1,4	89 5,190	3,808	3,058 2,7	29 290	221	220 3	78 28	3 300	233	285	89 268	351	342 2	43 141	91	103	95 132	640	195	139 13	9 151	82			-	4 N/A	
13	HV	Subtransmission Line	Subtransmission OH up to 66kV conductor	km 58	3	62 119	74	38 1	24 0				0		6	1	6	11	0	0	3	2	1	1	0	1 11	0		-	522	4	
14	HV	Subtransmission Line	Subtransmission OH 110kV+ conductor	km																										_	N/A	
15	HV	Subtransmission Cable	Subtransmission UG up to 66kV (XLPE)	km				1	7				0 1	1	0	1 2	1	0	0 1	4		1 0	3	10		0 1	1		_	36	3	
16	HV	Subtransmission Cable	Subtransmission UG up to 66kV (Oil pressurised)	km			22	3																						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) Subtransmission UG 110kVe (VLPE)	km		8	0	U	1 0	1	U	U	0 1		U	U	-		U				1									
20	HV	Subtransmission Cable	Subtransmission UG 110kV+ (XLPE) Subtransmission UG 110kV+ (Oil pressurised)	km																									-		N/A	
21	HV	Subtransmission Cable	Subtransmission UG 110kV+ (Gas Pressurised)	km																										-	N/A	
22	HV	Subtransmission Cable	Subtransmission UG 110kV+ (PILC)	km																										-	N/A	
23	HV	Subtransmission Cable	Subtransmission submarine cable	km																									_		N/A	
24	HV	Zone substation Buildings	Zone substations up to 66kV	No.	1	4 3	8	7	4			_	-			_	1	1	_	1	1	1 1	1	1			1		+	36	4	
25	HV	Zone substation Buildings	20ne substations 110kV+ 50/66/110kV CR (Index)	NO.															-												N/A N/A	
27	HV	Zone substation switchgear	50/66/110kV CB (Outdoor)	No.									3					1			2	1		7					-	14	4	
28	HV	Zone substation switchgear	33kV Switch (Ground Mounted)	No.																										-	N/A	
29	HV	Zone substation switchgear	33kV Switch (Pole Mounted)	No.		38 18	4	23	14 1				1	2		15	i.	2		18		1		2		2 6	6			153	4	
30	HV	Zone substation switchgear	33kV RMU	No.									_													1				1	4	
31	HV	Zone substation switchgear	22/33kV CB (Indoor)	No.		_			6															3					+	9	4	
32	HV	Zone substation switchgear	22/33KV LB (OUtDOOF) 2 3/6 6/11/23EV (D (around mounted)	NO.		46 26	62	24	10		1	11 1	7	10	3	4 1	10	20	3 2	10	6	s 1	1	16		2 5	4			224		
34	HV	Zone substation switchgear	3.3/6.6/11/22kV CB (pole mounted)	No.		40 30	3		2 1			4	2	4			~	1	1			1		1		1 2	1		-	24	4	
35	HV	Zone Substation Transformer	Zone Substation Transformers	No.		4 11	. 12	6	6 1		1	3	1 1			1	2	4	1 2	1	1	2		2	1	3 1	1			68	4	
36	HV	Distribution Line	Distribution OH Open Wire Conductor	km 53	90 2	45 397	386	358 3	33 12	11	15	7 1	0 30	9	12	7 9	13	13	6 8	7	15	22 10	13	11	27 3	0 78	39		_	2,276	4	
37	HV	Distribution Line	Distribution OH Aerial Cable Conductor	km									_			_						_									N/A	
38	HV	Distribution Line	SWER conductor	km		4 0	0	0	0					20							0						4		+	9	4	
40	HV	Distribution Cable	Distribution UG XLPE of PVC	km 0	8	34 45	69	72	52 12	24	25	30 5	4 <u>32</u> 6 9	38	15	5 8	15	14	5 3	29	40 1	1 0	30	34	28 3	9 36	29			413	- 3	
41	HV	Distribution Cable	Distribution Submarine Cable	km	1																-	-				3				5	4	
42	HV	Distribution switchgear	3.3/6.6/11/22kV CB (pole mounted) - reclosers and sectionaliser:	No.				1	1				2 3		4	6 9	1	1	2			7 1	3		1	8 5	3			58	4	
43	HV	Distribution switchgear	3.3/6.6/11/22kV CB (Indoor)	No.		3	2											1											_	6	4	
44	HV	Distribution switchgear	3.3/6.6/11/22kV Switches and fuses (pole mounted)	No. 2	14	75 483	468	608 1,0	16 131	115	127 1	45 16	7 130	147	127 1	37 134	141	147 1	00 123	117	168 1	56 129	233	284	286 35	9 478	503			7,250	4	
45	HV	Distribution switchgear	3.3/6.6/11/22kV Switch (ground mounted) - except RMU	No.		57	46	56	51 7	3	19	21 1	6 25	17	32	18 27	23	11	12 15	3	2	1 1	2	2	1 6		2			480	- 3	
47	HV	Distribution Transformer	Pole Mounted Transformer	NO.	4	26 204	341	477 8	56 105	87	99 1	40 1	8 77	73	66	72 74	55	53	55 77	62	81	53 53 62 40	86	90	110 14	2 147	156			3 991	4	
48	HV	Distribution Transformer	Ground Mounted Transformer	No.		36	159	180 4	38 59	94	95 1	17 15	0 173	161	143 1	19 126	55	82	61 65	85	102 1	04 96	97	111	101 11	2 99	92			3,312	4	
49	HV	Distribution Transformer	Voltage regulators	No.			1								3	4	5		3		4					3 2	7			32	4	
50	HV	Distribution Substations	Ground Mounted Substation Housing	No.		1	105	95 1	20 8	2	4	1	2	1		1		1		1	1				1		1			345	4	
51	LV	LV Line	LV OH Conductor	km 51	40 1	03 232	212	159 1	72 5	4	3	4	5 3	3	2	2 2	3	2	1 2	2	2	1 1	1	1	2	2 1	4			1,028	4	
52	LV	LV Cable	LV UG Cable	km 0	0	1 22	43	159 1	57 19	21	25	41 4	8 51	44	46	40 36	22	14	20 15	20	23	28 32	33	41	40 3	0 34	31		+	1,136	4	
53	IV	Connections	OH/UG consumer service connections	No 12 300	3511 6.9	28 8621	7 072	4 476 21 7	31 1012	952	1 204 1 2	74 1 56	4 1 569	1 737	1521 14	47 1 216	1 087	998 9	77 1 017	1 104	4	1 650	1 496	1 523	8	2 1 346	1 312		126	96 311	4	
55	All	Protection	Protection relays (electromechanical, solid state and numeric)	No. 12,500	1 1	47 93	60	30	48	233	7	18 2	5 2	22	كرق معادره	2	43	555 8	15 6	25	7 7	10 2	4,450	41	13 5	9 30	28		4	751	4	
56	All	SCADA and communications	SCADA and communications equipment operating as a single sys	Lot																				1						1	4	
57	All	Capacitor Banks	Capacitors including controls	No															3											3	4	
58	All	Load Control	Centralised plant	Lot		2 3	4		_			_	_			1	. 1	3			1					_				15	4	
59	All	Load Control	Relays	No	1	2 39	80	105 2	52 24	44	43	58 10	1 133	116	112	85 62	30	27	28 16	22	9 5	11 236	27	26	38 2	9 17	18		+	2,291	2	
60	All	CIVIIS	Cable Tunnels	ĸm						I				I				I I		<u> </u>			· · · · ·				1 I		_		NA	

			Company														oany Name	ny Name Aurora Energy Limited														
																				For	Year Ended	2d 31 March 2023										
																			Networ	rk / Sub-net	vork Name					Duned	lin Sub-netw	ork				
5	CHEDUI	E 9b: ASSET AGE PROF	ILE																													
т	s schedule i	equires a summary of the age profile	(based on year of installation) of the assets that make up the network, by	asset category and a	isset class. All	nits relating	to cable and line asset	s, that are ex	opressed in k	m, refer to circuit le	engths.																					
sch rej																																
8		Disclosure Year (year ended)							Number	of assets at disclo	sure year end	i by installa	tion date																			
																													No. with	items at		
					1940 195	1960	1970 1980	1990																					age	year r	default Da	ita accuracy
9	Voltage	Asset category	Asset class U	nits pre-1940 -	-1949 -19	9 -1969	-1979 -1989	-1999	2000	2001 2002	2003	2004	2005 2	200 200	2008	2009 2	010 201	1 2012	2013 20	14 201	2016	2017 20	018 2019	2020	2021	2022	2023 2024	2025	unknown (quantity)	dates	(1-4)
10	All	Overhead Line	Concrete poles / steel structure	No.	2 1,4	5,641	1 2,737 1,97	6 753	21	11 4	1 54	23	16	22	9 19	16	25	27 7	8 154	168 3	1 292	531 1	,049 887	611	554	608	439			18,501		4
11	All	Overhead Line	Wood poles	No. 636	634 1,2	2,219	9 928 1,14	1 1,493	171	154 11	.6 112	87	114	101 1	8 141	129	89	81 10	1 62	36 3	1 19	37	490 105	61	42	21	20			10,676		4
12	All	Subtransmission Line	Subtransmission OH up to 66bV conductor	NO. 49		51 26	2 2	2																		11				144		4
14	HV	Subtransmission Line	Subtransmission OH 110kV+ conductor	km		~ ~		-																						-		N/A
15	HV	Subtransmission Cable	Subtransmission UG up to 66kV (XLPE)	km											C			0	0	3	0	0	3 6		0	0			- 7	14		3
16	HV	Subtransmission Cable	Subtransmission UG up to 66kV (Oil pressurised)	km			22	3																						25		3
17	HV	Subtransmission Cable	Subtransmission UG up to 66kV (Gas pressurised)	km		16	5																							16		3
18	HV	Subtransmission Cable	Subtransmission UG up to 66kV (PILC)	km		8	0	0 1	0		0 0	0	1		0 0				0											11		3
19	HV	Subtransmission Cable	Subtransmission UG 110kV+ (XLPE)	km		-												_			_			-						<u> </u>		N/A
20	HV	Subtransmission Cable	Subtransmission UG 110kV+ (Oil pressurised)	km																												N/A N/A
22	HV	Subtransmission Cable	Subtransmission UG 110kV+ (PILC)	km																												N/A
23	HV	Subtransmission Cable	Subtransmission submarine cable	km																									- 7	-		N/A
24	HV	Zone substation Buildings	Zone substations up to 66kV	No.	1	4 3	6 .	4 1															1 1							21	_	4
25	HV	Zone substation Buildings	Zone substations 110kV+	No.																										-		N/A
26	HV	Zone substation switchgear	50/66/110kV CB (Indoor)	No.																												N/A
27	HV	Zone substation switchgear	50/66/110kV CB (Outdoor)	No.		-												_			_			-								N/A
28	HV	Zone substation switchgear	22k/ Switch (Ground Mounted)	NO.		15 15	4											2		19			2		2	6						4
30	HV	Zone substation switchgear	33kV RMU	No.				-										-		10			-							-		N/A
31	HV	Zone substation switchgear	22/33kV CB (Indoor)	No.																			3			-				3		4
32	HV	Zone substation switchgear	22/33kV CB (Outdoor)	No.			4				1				3 4				3 2							2				19		4
33	HV	Zone substation switchgear	3.3/6.6/11/22kV CB (ground mounted)	No.		46 36	5 62 1	7 13				17		9			11	17					16	i						244		4
34	HV	Zone substation switchgear	3.3/6.6/11/22kV CB (pole mounted)	No.																						1				1		4
35	HV	Zone Substation Transformer	Zone Substation Transformers	No.	16	3 5	9 10	2 2			0 0				2 6			2	2		2 0	•	2	14		- 1				34		4
37	HV	Distribution Line	Distribution OH Aerial Cable Conductor	km	10	51 230	5 120 /	0 04	3	-	0 3	4	5	3	2 3	3	3	1	1 0	2	2 0	v	0 0	14	3	34				-		N/A
38	HV	Distribution Line	SWER conductor	km		4 0	0 0	0 0													0						4			9		4
39	HV	Distribution Cable	Distribution UG XLPE or PVC	km		0	0 0	0 4	1	1	2 2	2	2	3	3 1	1	0	2	1 1	1	1 2	4	2 2	4	3	5	2			54		3
40	HV	Distribution Cable	Distribution UG PILC	km 0	8	34 48	8 69 4	8 29	2	1	1 1	1	2	3	1 1	3	3	6	3 3	3	1 1	0	0 0		0	0	0			273	_	3
41	HV	Distribution Cable	Distribution Submarine Cable	km	1	_		_			_								_							3				5		4
42	HV	Distribution switchgear	3.3/6.6/11/22kV CB (pole mounted) - reclosers and sectionaliser:	No.		-		-							3	3		1			4		1	1	1	1		-		15		4
43	HV	Distribution switchgear	3.3/6.6/11/22kV CB (Indoor)	No.		3	2 22	7 421	15	16 1	7 20	26	20	54	4 24	22	20	1	7 25	22	e 14	42	64 76	100	140	222	169			2 969		4
45	HV	Distribution switchgear	3 3/6 6/11/22kV Switch (ground mounted) - excent RMU	No		57	46 5	6 44	5	10	9 4	30	50	3	2 4	9	1	6	5 10	2	44	43	1 1	135	140	- 445	*10	1 1		272		3
46	HV	Distribution switchgear	3.3/6.6/11/22kV RMU	No.		1	1 36 5	6 79	8	7	3 8	5	12	5	3 3	9	7	10	8 9	9	8 8	15	4 12	14	25	28	21			413		3
47	HV	Distribution Transformer	Pole Mounted Transformer	No.		2 145	5 190 23	9 419	40	27 2	.7 39	27	30	34	5 20	16	16	13 1	7 20	16	8 14	19	26 24	40	43	67	51			1,674		4
48	HV	Distribution Transformer	Ground Mounted Transformer	No.		36	5 144 13	0 206	16	10 1	.6 21	15	20	36	8 12	21	14	21 2	0 16	19 :	9 24	25	27 15	32	29	12	19			993		4
49	HV	Distribution Transformer	Voltage regulators	No.			1																		1					2		4
50	HV	Distribution Substations	Ground Mounted Substation Housing	No.		1	1 105 9	5 120	8	2	4 1		2	1	1			1		1	1			1				-		345		4
52	LV	LV Line	LV OH Conductor	km 48	25	1 22	9 169 14	1 149	4	3	2 3	4	3	12	2 1	1	2	2	0 2	1	1 1	1	0 1	. 1	1	- 1				809		4
52	IV	LV Street lighting	IV OH/JG Streetlight circuit	km 13	6	18 115	136 10	6 219	4	3	2 4	3	4	2	3 3	4	6	4	6 4	3	2 5	4	2 1	8	2	1	1	1 1		682		4
54	LV	Connections	OH/UG consumer service connections	No. 12,300	3,511 6.8	28 8,617	7,065 4.47	1 4,834	311	283 24	6 358	485	433	528 5	6 538	362	429 3	373 37	8 365	378 4:	4 364	444	426 452	426	467	429	475	1 1	15	57,511		4
55	All	Protection	Protection relays (electromechanical, solid state and numeric)	No.	1	47 92	2 54	3 19				22		12	2		28	1		20	4	2	2 27	13	46	27	19		2	542		4
56	All	SCADA and communications	SCADA and communications equipment operating as a single sys	Lot																			1							1		4
57	All	Capacitor Banks	Capacitors including controls	No				-			-	-			-				3		-			-		-+				3		4
58	All	Load Control	Centralised plant	Lot		2 3	3 4	_	1						_		-	3	1 1		. 			1						12		4
59	All	Load Control	Relays Coble Transle	No	1	2 35	62 5	b 92	6	2	4 4	4	2	3	5 6	7	5	5 1	4 4	4	4 501	227	13 5	14	20	6	9	++		1,122	-+	2 N/A
60	All	CIVID	Cable Tunnes	NI								1	. I.			1 I I			-1 - 1 -			L _ L					<u>_</u>					NPA .

																						Company Nai	ne	Aurora Energy Limited										
																						For Year End	d 31 March 2023											
																				N	etwork / Su	b-network Nai	ne			Ce	ntral Otag	o and Wana	ka Sub-netw	ərk				
1	SCHEDU	LE 9b: ASSET AGE PROF	ILE																															
1	his schedule	requires a summary of the age profile	(based on year of installation) of the assets that make up the network	by asset category a	nd asset class. A	ll units relat	ing to cable	and line assets	, that are ex	pressed in k	m, refer to	circuit lengths.																						
sch re	F																																	
8		Disclosure Year (year ended)								Number	of assets a	t disclosure year e	nd by instal	ation date																				
																														No with	Items at	with		
					1940 1	950 1	60 19	70 1980	1990																					age	year de	fault Data accuracy		
9	Voltage	Asset category	Asset class	Units pre-1940	-1949 -1	959 -1	969 -19	79 -1989	-1999	2000	2001	2002 2003	2004	2005	2006 20	07 2008	2009	2010	2011 20	12 2013	2014	2015 201	6 2017	2018	2019	2020 2021	2022	2023 2	024 2025	unknown	(quantity) di	ates (1-4)		
10	All	Overhead Line	Concrete poles / steel structure	No.	15	83	328 1,	351 726	694	64	46	68 7	9 90	38	70	123 12	5 127	83	75	214 374	252	374 3	30 388	1,003	511	416 66	8 876	626			10,217	4		
11	All	Overhead Line	Wood poles	No.	16	81 2	,536 Z,	245 1,328	855	86	44	83 24	0 153	151	101	148 10	1 99	216	219	106 50	51	71	68 80	120	61	61 7	4 98	41		++	9,583	4		
13	HV	Subtransmission Line	Subtransmission OH up to 66kV conductor	km 9		9	67	59 34	103	0						4		6	11		0	2	2	1	1	0	1 0	0		++	309	4		
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	1	0		1			0		1		3		0 0	0			9	3		
16	HV	Subtransmission Cable	Subtransmission UG up to 66kV (Oil pressurised)	km																												N/A		
17	HV	Subtransmission Cable	Subtransmission UG up to 66kV (Gas pressurised)	km																												N/A		
18	HV	Subtransmission Cable	Subtransmission UG up to 66kV (PILC)	km					0																		_				0	3		
19	HV	Subtransmission Cable	Subtransmission UG 110kV+ (XLPE) Subtransmission UG 110kV+ (Oil pressurised)	km																										+		N/A N/A		
21	HV	Subtransmission Cable	Subtransmission UG 110kV+ (Gas Pressurised)	km																										+		N/A		
22	HV	Subtransmission Cable	Subtransmission UG 110kV+ (PILC)	km																											-	N/A		
23	HV	Subtransmission Cable	Subtransmission submarine cable	km																											-	N/A		
24	HV	Zone substation Buildings	Zone substations up to 66kV	No.				1 2	1										1		1	1	1 1					1			10	4		
25	HV	Zone substation Buildings	Zone substations 110kV+	No.																							-					N/A		
26	HV	Zone substation switchgear	50/66/110kV CB (Indoor)	No.										-		_								-			_			+		N/A		
29	HV	Zone substation switchgear	22k) (Switch (Ground Mounted)	NO.															1			2	1							+	14			
29	HV	Zone substation switchgear	33kV Switch (Pole Mounted)	No		13		19	9	1			1		2								1					6		+	52	4		
30	HV	Zone substation switchgear	33kV RMU	No.																			-				1				1	4		
31	HV	Zone substation switchgear	22/33kV CB (Indoor)	No.																											-	N/A		
32	HV	Zone substation switchgear	22/33kV CB (Outdoor)	No.				7	4			1		1			1				3		1				2 2	4			26	4		
33	HV	Zone substation switchgear	3.3/6.6/11/22kV CB (ground mounted)	No.				7				1	1		1		8		3	2	3	6	5				2	2			50	4		
34	HV	Zone substation switchgear Zone Substation Transformer	3.3/6.6/11/22kV CB (pole mounted) Zone Substation Transformers	No.		1	1	1 2	1	1		1	4 2						1		1	1	2				1 1	1		++	13	- 4		
36	HV	Distribution Line	Distribution OH Open Wire Conductor	km 41	72	156	118	246 198	187	5	5	6	2 1	24	1	6	1 3	6	11	2 8	6	12	22 4	11	10	13 2	0 43	25		++	1 271			
37	HV	Distribution Line	Distribution OH Aerial Cable Conductor	km									-							-											-	N/A		
38	HV	Distribution Line	SWER conductor	km																											-	N/A		
39	HV	Distribution Cable	Distribution UG XLPE or PVC	km			0	5 8	32	7	14	14 2	0 34	17	22	35 1	7 15	10	8	7 9	28	34	32 15	23	22	18 2	8 22	21			515	3		
40	HV	Distribution Cable	Distribution UG PILC	km 0				0 12	15	2	3	3	3 3	5	2	6	1 0	2	0	1 0	0		_					0			58	3		
41	HV	Distribution Cable	Distribution Submarine Cable	km																										+	-	N/A		
42	HV	Distribution switchgear	3.5/6.6/11/22kV CB (pole mounted) - reciosers and sectionaliser: 2.2/6.6/11/22kV CB (index)	NO.				1	1					1		1	6 4	. 1		1			2 1	2			1 3	3		+	30			
44	HV	Distribution switchgear	3.3/6.6/11/22kV Switches and fuses (pole mounted)	No. 1	3	26	62	122 223	405	76	61	68 8	9 99	70	67	65 9	2 80	90	101	60 83	81	119	95 71	142	175	123 17	8 208	265		+	3.396	4		
45	HV	Distribution switchgear	3.3/6.6/11/22kV Switch (ground mounted) - except RMU	No.					7	1		8	5 2	11	1	14	2 11	10	2	6 3		1	1 1		1			1			88	3		
46	HV	Distribution switchgear	3.3/6.6/11/22kV RMU	No.				1	15	1	4	8 1	1 1	9	4	6	6 3	6	6	8 3	6	4	11 8	16	26	30 2	6 24	23			266	3		
47	HV	Distribution Transformer	Pole Mounted Transformer	No.	4	22	50	129 192	324	45	43	53 5	5 55	37	34	34 4	3 40	25	34	34 46	43	45	40 18	51	57	61 9	4 68	84			1,860	4		
48	HV	Distribution Transformer	Ground Mounted Transformer	No.				9 33	122	18	48	45 5	5 75	93	71	82 6	0 68	28	28	28 38	56	76	57 50	57	62	51 5	7 56	53			1,476	4		
49	HV	Distribution Transformer	Voltage regulators	No.									_	-		_	2	5		3		4	_	-			2 2	4		+	22	4		
50	IV	Ustribution Substations	IV OH Conductor	km 3	14	30	50	30 17	17	1	1	0	1 1	1	1	1	0 1	1	0	0 0	0	0	0 0	0	0	1	1 0	1		++	174	4		
52	LV	LV Cable	LV UG Cable	km				1 71	64	5	8	13 1	7 23	29	21	17 2	2 15	11	6	8 5	9	11	16 17	18	27	22 1	5 20	20		1	510	4		
53	LV	LV Street lighting	LV OH/UG Streetlight circuit	km 1	5	10	20	11 86	34	2	2	5	2 3	4	4	3	7 5	2	2	3 3	3	2	3 3	4	4	6	2 2	4			248	4		
54	LV	Connections	OH/UG consumer service connections	No.		_	3	5 4	10,674	342	322	490 57	0 606	588	590	582 69	9 542	366	343	279 347	417	506 6	11 757	698	673	650 65	2 611	581		72	23,580	4		
55	All	Protection	Protection relays (electromechanical, solid state and numeric)	No.	\vdash			6 16	3			4 1	6 3		10			4	4	6	4	7	6	7	13	1	3 2	9		2	131	4		
56	All	SCADA and communications	SCADA and communications equipment operating as a single sys	Lot					-								-													+		N/A		
57	All	Load Control	Captralized plant	NO				-	1					-			1	1		-		1	_				-			+	-	- N/A		
59	All	Load Control	Relavs	No			4	12 31	89	7	21	23 7	9 57	78	66	68 4	2 38	16	10	8 9	13	5	6 7	7	14	21	3 8	7			698	2		
60	All	Civils	Cable Tunnels	km																				1					-	1 1	-	N/A		
T I																													, i i i i i i i i i i i i i i i i i i i					
																							Сотра	nv Name					Aurora E	nergy Lim	ited			
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																							For Ye	ar Ended					31 M	arch 2023	3			
																						Network /	Sub-netwo	ork Name					Queenstov	/n Sub-ne	twork			
	HEDU	E 9b: ASSET AGE PROF	ILE																															
т	s schedule	equires a summary of the age profile	(based on year of installation) of the assets that make up the network,	by asset category ar	nd asset class.	. All units i	relating to ca	ble and line asset	s, that are e	xpressed in I	m, refer to circuit	lengths.																						
							-					-																						
sch rej		Disclosure Year (year ended)								Number	of arrets at direly		d by installs	tion date																				
Ŭ		biscibilite real (year childed)									or assets at disci	Juic year er	io by instant	cionosce																			Items at	
																																No. with	end of	No. with
9	Voltage	Asset category	Asset class	Units pre-1940	-1940	-1950	-1960	-1970 -1980	-1990	2000	2001 200	2 2003	2004	2005	2006	2007	2008	2009 2	010 20	011 ;	2012	2013 2014	2015	2016	2017	2018 2019	2020	2021	2022 202	3 2024	2025	age unknown	year (quantity)	dates (1-4)
10	All	Overhead Line	Concrete poles / steel structure	No.			34	212 220	191	13	15	10 18	8 14	9	13	16	29	15	4	28	52	10 20	5 44	25	49	200 9	7 56	77	231	164			1,872	4
11	All	Overhead Line	Wood poles	No.	4	1	435	695 589	411	33	23	21 26	6 43	35	31	29	47	40	46	42	36	29 4	11	8	15	30 2	.9 17	23	32	21			2,806	4
12	All	Overhead Line	Other pole types	No.					_																								-	N/A
13	HV	Subtransmission Line	Subtransmission OH up to 66kV conductor	km	3	2	24	12 4	1 19				_	0		2		1		-		0	1						0	0			69	4
14	HV	Subtransmission Line	Subtransmission OH 110kV+ conductor Subtransmission UG up to 66kV (VLPE)	km										1	0	0	1	2	0		0	1					1		0	0			- 12	N/A 2
16	HV	Subtransmission Cable	Subtransmission UG up to 66kV (ALPE) Subtransmission UG up to 66kV (All pressurised)	km					3						v			2	•			1							0				-	5 N/A
17	HV	Subtransmission Cable	Subtransmission UG up to 66kV (Gas pressurised)	km																													-	N/A
18	HV	Subtransmission Cable	Subtransmission UG up to 66kV (PILC)	km																													-	N/A
19	HV	Subtransmission Cable	Subtransmission UG 110kV+ (XLPE)	km																													-	N/A
20	HV	Subtransmission Cable	Subtransmission UG 110kV+ (Oil pressurised)	km																													-	N/A
21	HV	Subtransmission Cable	Subtransmission UG 110kV+ (Gas Pressurised)	km									_							-										-			-	N/A
22	HV	Subtransmission Cable	Subtransmission UG 110kV+ (PILC)	km													-			-											-		-	N/A N/A
23	HV	Zone substation Buildings	Zone substations up to 66kV	No				1 1	2										1														5	4
25	HV	Zone substation Buildings	Zone substations 110kV+	No.																													-	N/A
26	HV	Zone substation switchgear	50/66/110kV CB (Indoor)	No.																													-	N/A
27	HV	Zone substation switchgear	50/66/110kV CB (Outdoor)	No.																													-	N/A
28	HV	Zone substation switchgear	33kV Switch (Ground Mounted)	No.																													-	N/A
29	HV	Zone substation switchgear	33kV Switch (Pole Mounted)	No.				4	1				-					15															19	4
30	HV	Zone substation switchgear	22/22I/(CR (Indeer)	NO.					6																								-	N/A
32	HV	Zone substation switchgear	22/33k/ CB (Outdoor)	No.				1	6					1					2							1			1				12	4
33	HV	Zone substation switchgear	3.3/6.6/11/22kV CB (ground mounted)	No.					13										8		12		1			-							40	4
34	HV	Zone substation switchgear	3.3/6.6/11/22kV CB (pole mounted)	No.				2	1						4					1	1						1						10	4
35	HV	Zone Substation Transformer	Zone Substation Transformers	No.			1	1 2	! 3	1				1					2	1	1						1						14	4
36	HV	Distribution Line	Distribution OH Open Wire Conductor	km 11	2	8	41	14 91	82	2	2	1 1	1 0	0	3	4	2	1	3	1	3	0	1	0	5	1	0 0	1	0	5			284	4
37	HV	Distribution Line	Distribution OH Aerial Cable Conductor	km									-																				-	N/A
38	HV	Distribution Line	SWER conductor	km										10	-																-		-	N/A 2
40	HV	Distribution Cable	Distribution UG PLC	km				0 12	2/	4	2	5 10	7 18	2	5	14	15	5	4	4	0	0 0	1 5	0	8	5 1	1 0	. /	9	6			209	3
41	HV	Distribution Cable	Distribution Submarine Cable	km							-						-			-													-	N/A
42	HV	Distribution switchgear	3.3/6.6/11/22kV CB (pole mounted) - reclosers and sectionaliser:	No.										2				2				1		1				6	1				13	4
43	HV	Distribution switchgear	3.3/6.6/11/22kV CB (Indoor)	No.			_								_										-			-					-	N/A
44	HV	Distribution switchgear	3.3/6.6/11/22kV Switches and fuses (pole mounted)	No.		2	9	17 58	190	40	38	42 28	8 36	30	26	28	21	32	31	24	23	15	3 14	17	15	27 3	14 28	41	47	70			986	4
45	HV	Distribution switchgear	3.3/6.6/11/22kV Switch (ground mounted) - except RMU	No.					10	1	3	2 11	2 8	14	13	16	12	7	12	3	1	2	1	l		1				1	_		120	3
46	HV	Distribution switchgear	3.3/6.6/11/22kV RMU	No.					22	1	7	6 2	1 4	5	14	9	13	12	4	4	8	1	5	14	16	10 1	8 15	14	12	14	-		254	3
4/	HV	Distribution Transformer	Fole Mounted Transformer	NO.		2	9	6 13	123	20	26	19 1.	2 16	10	54	12	47	18	14	22	12	11 3	5 8	22	21	12 2	9 9	26	21	20			9457	4
49	HV	Distribution Transformer	Voltage regulators	NO.				0 17	110	25	30	34 4.	1 00	00	34	45	47	2	15	33	15	11 10	· · ·	23	21	15 3	10	20	31	3			8	4
50	HV	Distribution Substations	Ground Mounted Substation Housing	No.														-												-			-	N/A
51	LV	LV Line	LV OH Conductor	km	1	8	13	13 2	. 6	0	0	1 (0 0	0	0		0	0		0	0	0 0) 0	0		0	0			0			45	4
52	LV	LV Cable	LV UG Cable	km			0	1 54	53	10	10	8 18	8 18	13	10	18	11	13	3	5	5	3 3	8 4	6	6	7	7 11	7	6	6			315	4
53	LV	LV Street lighting	LV OH/UG Streetlight circuit	km		4	5	5 51	34	2	2	1 1	2 5	2	1	4	1	0	1	1	1	1 ()	4	1	4	4 1	. 1	1	1			141	4
54	LV	Connections	OH/UG consumer service connections	No.			1	3 1	6,223	359	348 4	68 446	6 473	547	619	433	410	312	292	282	220	305 309	291	274	449	372 39	18 331	443	306	156		49	15,220	4
55	All	SCADA and communications	Protection relays (electromechanical, solid state and numeric) SCADA and communications equipment operation as a single sur-	No.				11	26	1		3 3	4	3					11		15		2				1	+	1		_		78	4 N/A
57	All	Capacitor Banks	Capacitors including controls	No					1	1																				- 1			- 1	N/A
58	All	Load Control	Centralised plant	Lot						1									1									1					1	4
59	All	Load Control	Relays	No				6 18	71	11	21	16 25	5 41	53	47	39	37	17	9	12	6	3 9	5	4	2	7	7 3	6	3	2			471	2
60	All	Civils	Cable Tunnels	km			_									-	_								-			1					-	N/A

				1			
	Company Name	Aur	Aurora Energy Limited				
	For Year Ended		31 March 2023				
	Network / Sub-network Name		Total Network				
S	CHEDULE 9c: REPORT ON OVERHEAD LINES AND UNDERGROUND CABLES						
Th	is schedule requires a summary of the key characteristics of the overhead line and underground cable network. All units re	lating to cable and I	ine assets, that are e	xpressed in km, refer			
to	circuit lengths.						
sch r	ef						
0							
9			Underground	Total circuit			
10	Circuit length by operating voltage (at year end)	Overhead (km)	(km)	length (km)			
11	> 66kV	-	-	-			
12	50kV & 66kV	127	3	130			
13	33kV	396	86	482			
14	SWER (all SWER voltages)	9	-	9			
15	22kV (other than SWER)	-	-	-			
16	6.6kV to 11kV (inclusive—other than SWER)	2,276	1,195	3,471			
17	Low voltage (< 1kV)	1,028	1,136	2,164			
18	Total circuit length (for supply)	3,836	2,420	6,256			
19		1					
20	Dedicated street lighting circuit length (km)	531	540	1,071			
21	Circuit in sensitive areas (conservation areas, iwi territory etc) (km)		<u> </u>	58			
22		Circuit length	(% of total				
23	Overhead circuit length by terrain (at year end)	(km)	overhead length)				
24	Urban	1,158	30%				
25	Rural	2,590	68%				
26	Remote only	-	-				
27	Rugged only	88	2%				
28	Remote and rugged	_	_				
29	Unallocated overhead lines	-	-				
30	Total overhead length	3,836	100%				
31							
22		Circuit length	(% of total circuit				
32		(km)	length)				
33	Length of circuit within 10km of coastline or geothermal areas (where known)	1,469	23%				
		Circuit length	(% of total				
34		(km)	overhead length)				
35	Overnead circuit requiring vegetation management	3,836	100%				

	Company Name Aurora Energy Limited						
	For Year Ended		31 March 2023				
	Network / Sub-network Name	Dui	nedin Sub-netw	ork			
S	CHEDULE 9c: REPORT ON OVERHEAD LINES AND UNDERGROUND CABLES						
Th to	This schedule requires a summary of the key characteristics of the overhead line and underground cable network. All units relating to cable and line assets, that are expressed in km, ref to circuit lengths.						
sch r	ef						
9		Outputs and (lum)	Underground	Total circuit			
10	Circuit length by operating voltage (at year end)	Overnead (km)	(кт)	length (km)			
12	SORV & 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)	721	332	1,053			
17	Low voltage (< 1kV)	809	310	1,119			
18	Total circuit length (for supply)	1,683	708	2,391			
19							
20	Dedicated street lighting circuit length (km)	459	223	682			
21	Circuit in sensitive areas (conservation areas, iwi territory etc) (km)			3			
22		Circuit length	(% of total				
23	Overhead circuit length by terrain (at year end)	(km)	overhead length)				
24	Urban	967	57%				
25	Rural	707	42%				
26	Remote only	-	-				
27	Rugged only	9	1%				
28	Remote and rugged	-	-				
29	Unallocated overhead lines	_	-				
30	Total overhead length	1,683	100%				
31 32		Circuit length (km)	(% of total circuit length)				
33	Length of circuit within 10km of coastline or geothermal areas (where known)	1,469	61%				
34		Circuit length (km)	(% of total overhead length)				
35	Overhead circuit requiring vegetation management	1,683	100%				

	Company Name Aurora Energy Limited							
For Year Ended 31 March 2023								
	Network / Sub-network Name	Central Otago and Wanaka Sub-network						
SC	SCHEDULE 9c: REPORT ON OVERHEAD LINES AND UNDERGROUND CABLES							
This to ci	schedule requires a summary of the key characteristics of the overhead line and underground cable network. All units re rcuit lengths.	lating to cable and I	ine assets, that are e	xpressed in km, refe				
schief								
9 10	Circuit length by operating voltage (at year end)	Overhead (km)	Underground (km)	Total circuit length (km)				
11	>66kV	_	_	_				
12	50kV & 66kV	127	3	130				
13	33kV	182	7	189				
14	SWER (all SWER voltages)	-	-	-				
15	22kV (other than SWER)	_	_	-				
16	6.6kV to 11kV (inclusive—other than SWER)	1, <mark>271</mark>	573	1,844				
17	Low voltage (< 1kV)	174	510	684				
18	Total circuit length (for supply)	1,754	1,093	2,847				
19								
20	Dedicated street lighting circuit length (km)	57	191	248				
21	Circuit in sensitive areas (conservation areas, iwi territory etc) (km)			32				
22	Overhead circuit length by terrain (at year end)	Circuit length (km)	(% of total overhead length)					
24	Urban	126	7%					
25	Rural	1,573	90%					
26	Remote only	-	-					
27	Rugged only	55	3%					
28	Remote and rugged	-	-					
29	Unallocated overhead lines	-	-					
30	Total overhead length	1,754	100%					
31 32		Circuit length (km)	(% of total circuit length)					
33	Length of circuit within 10km of coastline or geothermal areas (where known)	-	-					
34		Circuit length (km)	(% of total overhead length)					
35	Overhead circuit requiring vegetation management	1,754	100%					
		-						

	Company Name Aurora Energy Limited							
For Year Ended 31 March 2023								
Network / Sub-network Name Queenstown Sub-netwo								
S								
Th	is schedule requires a summary of the key characteristics of the overhead line and underground cable network. All units re	lating to cable and l	ine assets that are a	woressed in km refer				
to	circuit lengths.	lating to cable and i	ine assets, that are e	spressed in kin, refer				
sch r	ef							
9								
			Underground	Total circuit				
10	Circuit length by operating voltage (at year end)	Overhead (km)	(km)	length (km)				
11			_	-				
12		-	- 12	-				
13	S3KV	69	13	82				
14	Siver (all Siver voltages)		_					
15	6 6kV to 11kV (inclusive other than SWEP)	204	- 200	 574				
17	Low voltage (< 1kV)	45	315	360				
18	Total circuit length (for supply)	398	618	1 016				
19		550	010	1,010				
20	Dedicated street lighting circuit length (km)	15	126	141				
21	Circuit in sensitive areas (conservation areas, iwi territory etc) (km)			22				
22			-					
		Circuit length	(% of total					
23	Overhead circuit length by terrain (at year end)	(km)	overhead length)					
24	Urban	65	16%					
25	Ruidi Demoto enlu	310	/8%					
20	Remote only	- 22	- 6%					
27	Remote and rugged		0%					
29	Unallocated overhead lines	_	_					
30	Total overhead length	398	100%					
31								
		Circuit length	(% of total circuit					
32		(km)	length)					
33	Length of circuit within 10km of coastline or geothermal areas (where known)	-	-					
		Circuit length	(% of total					
34		(km)	overhead length)					
35	Overhead circuit requiring vegetation management	398	100%					

Company Name Aurora Energy Limited 31 March 2023 For Year Ended SCHEDULE 9d: REPORT ON EMBEDDED NETWORKS This schedule requires information concerning embedded networks owned by an EDB that are embedded in another EDB's network or in another embedded network. sch ref ICPs in disclosure Line charge revenue (\$000) 8 Location * year 9 10 11 12 13 14 15 16 17 18 19 20 21 22 23 24 25 * Extend embedded distribution networks table as necessary to disclose each embedded network owned by the EDB which is embedded in another EDB's network or in another embedded network 26

	Company Name	Aurora Energy Limited
	For Year Endea	Total Notwork
SU	LHEDULE 98: REPORT ON NETWORK DEIVIAND	f now connections including
dist	tributed generation, peak demand and electricity volumes conveyed).	in new connections including
,		
scn re	J	
8	9e(i): Consumer Connections and Decommissionings	
9	Number of ICPs connected during year by consumer type	
10	Commentation defined by 500*	Number of
10	Residential	
	Load Group 0	6
	Load Group 0A	23
	Load Group 1A	6
	Load Group 1	196
	Load Group 3	7
	Load Group 3A	5
12	Load Group 4	6
13	Load Group 5	-
14	Distributed Unmetered Load (excl. Street Lighting)	- 1
16	* include additional rows if needed	
17	Connections total	1,278
18		
19	Number of ICPs decommissioned during year by consumer type	
		Number of
20	Consumer types defined by EDB*	decommissionings
21	Load Group 0	100
	Load Group 0A	13
	Load Group 1A	14
	Load Group 1	32
	Load Group 2	29
	Load Group 3A	
22	Load Group 4	_
23	Load Group 5	_
24	Street Lighting	
25 26	* include additional rows if needed	
27	Decommissionings total	194
28	Distributed concretion	
29 30	Number of connections made in year	484 connections
32	Capacity of distributed generation installed in year	2.51 MVA
33		
24	Polii): System Domand	
34 35	Selij. System Demanu	
36		Demand at time
		of maximum
		coincident
37	Maximum coincident system demand	
38 30	GXP demand plus Distributed generation output at HV and above	261
40	Maximum coincident system demand	309
41	less Net transfers to (from) other EDBs at HV and above	1
42	Demand on system for supply to consumers' connection points	309
42	Electricity volumes corried	Enormy (CIA/h)
43 44	Electricity supplied from GXPs	
45	less Electricity exports to GXPs	33
46	plus Electricity supplied from distributed generation	301
47	less Net electricity supplied to (from) other EDBs	3
48 49	Lectricity entering system for supply to consumers' connection points	1,435
51	Electricity losses (loss ratio)	79 5.5%
52		
53	Load factor	0.53
54	9e(iii): Transformer Capacity	
55		(MVA)
56	Distribution transformer capacity (EDB owned)	957
57	Distribution transformer capacity (Non-EDB owned, estimated)	68

	Company Name For Year Ended	Aurora Energy Limited 31 March 2023				
	Network / Sub-network Name	Total Network				
SC	SCHEDULE 9e: REPORT ON NETWORK DEMAND					
Thi: dist	s schedule requires a summary of the key measures of network utilisation for the disclosure year (number of new contributed generation, peak demand and electricity volumes conveyed).	nnections including				
58	Total distribution transformer capacity	1,025				
59						

		Annere Francisco I institució
	Company Name	Aurora Energy Limited
	For Year Ended	Dunadin Sub natwork
		Duneain Sub-network
50		
dis	tributed generation, peak demand and electricity volumes conveyed).	connections including
,		
scn re		
8	9e(i): Consumer Connections and Decommissionings	
9	Number of ICPs connected during year by consumer type	
10		Number of
10	Residential	
12	Load Group 0	-
	Load Group OA	6
	Load Group 1A	3
	Load Group 1	3
	Load Group 2	
	Load Group 3A	2
	Load Group 4	1
13	Load Group 5	-
14	Street Lighting	-
15 16	* include additional rows if needed	
17	Connections total	437
18		
19	Number of ICPs decommissioned during year by consumer type	
		Number of
20	Consumer types defined by EDB*	decommissionings
21	Residential	59
	Load Group 0	1
	Load Group 1A	11
	Load Group 1	17
	Load Group 2	18
	Load Group 3	
22	Load Group 3A	-
22	Load Group 5	
24	Street Lighting	_
25	Distributed Unmetered Load (excl. Street Lighting)	-
26 27	* include additional rows if needed Decommissionings total	111
28		
29	Distributed generation	
30	Number of connections made in year	86 connections
32	Capacity of distributed generation installed in year	0.42 MVA
55		
34	9e(ii): System Demand	
35		
30		Demand at time
		ot maximum coincident
37	Maximum coincident system demand	demand (MW)
38	GXP demand	163
39	plus Distributed generation output at HV and above	26
40	Maximum coincident system demand	189
41	less Net transfers to (from) other EDBs at HV and above	- 190
42	Semana on system for supply to consumers, connection points	165
43	Electricity volumes carried	Energy (GWh)
44	Electricity supplied from GXPs	693
45	less Electricity exports to GXPs	0
46	plus Electricity supplied from distributed generation	131
47	Electricity entering system for supply to consumers' connection points	824
49	less Total energy delivered to ICPs	783
51	Electricity losses (loss ratio)	42 5.1%
52	Lond factor	0.50
53	LOAD TACTOR	0.50
54	9e(iii): Transformer Capacity	
55		(MVA)
56	Distribution transformer capacity (EDB owned)	485
57	Distribution transformer capacity (Non-EDB owned, estimated)	42

Company Name For Year Ended	Aurora Energy Limited 31 March 2023
Network / Sub-network Name	Dunedin Sub-network
CHEDULE 9e: REPORT ON NETWORK DEMAND	
s schedule requires a summary of the key measures of network utilisation for the disclosure year (number of new c tributed generation, peak demand and electricity volumes conveyed).	onnections including
Total distribution transformer capacity	528
Zone substation transformer capacity	586
s	Company Name For Year Ended Network / Sub-network Name HEDULE 9e: REPORT ON NETWORK DEMAND schedule requires a summary of the key measures of network utilisation for the disclosure year (number of new c ributed generation, peak demand and electricity volumes conveyed). Total distribution transformer capacity Zone substation transformer capacity

	Company Name	Aurora Energy Limited
	For Year Ended	31 March 2023
	Network / Sub-network Name	Central Otago and Wanaka Sub-network
SC	CHEDULE 9e: REPORT ON NETWORK DEMAND	
Thi dist	s schedule requires a summary of the key measures of network utilisation for the disclosure year (number o tributed generation, peak demand and electricity volumes conveyed).	f new connections including
coh ro	£	
schile		
8 9	9e(i): Consumer Connections and Decommissionings Number of ICPs connected during year by consumer type	
-	······································	Number of
10	Consumer types defined by EDB*	connections (ICPs)
11	Residential	438
	Load Group 0	18
	Load Group 1A	
	Load Group 1	27
	Load Group 2	96
	Load Group 3A	4
12	Load Group 4	2
13 14	Load Group 5 Street Lighting	
14	Distributed Unmetered Load (excl. Street Lighting)	
16	* include additional rows if needed	
17 18	Connections total	589
19	Number of ICPs decommissioned during year by consumer type	
		Number of
20	Consumer types defined by EDB*	decommissionings
21	Residential	24
	Load Group 0	- 2
	Load Group IA	2
	Load Group 1	11
	Load Group 2	5
	Load Group 3A	-
22	Load Group 4	_
23	Load Group 5	
24 25	Distributed Unmetered Load (excl. Street Lighting)	
26	* include additional rows if needed	
27 28	Decommissionings total	45
29	Distributed generation	
30	Number of connections made in year	294 connections
32 33	Capacity of distributed generation installed in year	1.49 MVA
34 35	9e(ii): System Demand	
36		Demand at time
		of maximum
		coincident demand (MW)
37	IVIAXIMUM COINCIDENT System demand	50
38 39	plus Distributed generation output at HV and above	
40	Maximum coincident system demand	68
41 42	less Net transfers to (from) other EDBs at HV and above	1
42	Contraction system for supply to consumers connection points	
43	Electricity volumes carried	Energy (GWh)
44	Electricity supplied from GXPs	218
45 46	plus Electricity supplied from distributed generation	155
47	less Net electricity supplied to (from) other EDBs	4
48	Electricity entering system for supply to consumers' connection points	335
49 51	Electricity losses (loss ratio)	23 6.8%
52		
53	Load factor	0.58
54	9e(iii): Transformer Capacity	
55		(MVA)
56	Distribution transformer capacity (EDB owned)	295
57	Distribution transformer capacity (Non-EDB Owned, estimated)	20

	Company Name For Year Ended	Aurora Energy Limited 31 March 2023					
	Network / Sub-network Name	Central Otago and Wanaka Sub-network					
S	SCHEDULE 9e: REPORT ON NETWORK DEMAND						
Thi dis	is schedule requires a summary of the key measures of network utilisation for the disclosure year (number of r tributed generation, peak demand and electricity volumes conveyed).	new connections including					
58	Total distribution transformer capacity	315					
59							
60 61	Zone substation transformer capacity	260					

	Company Nama	Aurora Energy Limited
	Company Name For Year Ended	31 March 2023
	Network / Sub-network Name	Queenstown Sub-network
so		
Thi	is schedule requires a summary of the key measures of network utilisation for the disclosure year (number of net	v connections including
dis	tributed generation, peak demand and electricity volumes conveyed).	
sch re	f	
0	ge(i): Consumer Connections and Decommissionings	
0 9	Number of ICPs connected during year by consumer type	
		Number of
10	Consumer types defined by EDB*	connections (ICPs)
11	Residential	178
	Load Group 0	3
	Load Group 1A	(1)
	Load Group 1	5
	Load Group 2	56
	Load Group 3	1
	Load Group 3A	(1)
12	Load Group 4	3
13 14	Load Group 5	
15	Distributed Unmetered Load (excl. Street Lighting)	
16	* include additional rows if needed	
17	Connections total	247
18		
19	Number of ICPs decommissioned during year by consumer type	
		Number of
20	Consumer types defined by EDB*	decommissionings
21	Residential	17
		4
	Load Group 1A	1
	Load Group 1	4
	Load Group 2	6
	Load Group 3	<u> </u>
22	Load Group 3A	
22	Load Group 5	
24	Street Lighting	-
25	Distributed Unmetered Load (excl. Street Lighting)	-
26	* include additional rows if needed	27
27	Decommissionings total	57
29	Distributed generation	
30	Number of connections made in year	104 connections
32	Capacity of distributed generation installed in year	0.60 MVA
33		
34	9e(ii): System Demand	
35		
36		Demand at time
		of maximum
		coincident demand (MW)
37	Maximum coincident system demand	
38 39	GXP demand plus Distributed generation output at HV and above	62
40	Maximum coincident system demand	64
41	less Net transfers to (from) other EDBs at HV and above	-
42	Demand on system for supply to consumers' connection points	64
43	Electricity volumes carried	Energy (GWh)
44 15	Liectricity supplied from GXPs	
45	plus Electricity supplied from distributed generation	15
47	less Net electricity supplied to (from) other EDBs	
48	Electricity entering system for supply to consumers' connection points	274
49	less Total energy delivered to ICPs	260
51 52	Electricity losses (loss ratio)	15 5.3%
53	Load factor	0.49
54	9e(iii): Transformer Capacity	
55		(MVA)
56	Distribution transformer capacity (EDB owned)	176
5/	Distribution transformer capacity (Non-EDB owned, estimated)	5

	Company Name For Year Ended	Aurora Energy Limited 31 March 2023					
	Network / Sub-network Name	Queenstown Sub-network					
S	SCHEDULE 9e: REPORT ON NETWORK DEMAND						
Thi dis	is schedule requires a summary of the key measures of network utilisation for the disclosure year (number of new c tributed generation, peak demand and electricity volumes conveyed).	onnections including					
58	Total distribution transformer capacity	182					
59							
60 61	Zone substation transformer capacity	164					

		Company Name	Aurora Energy Limited
		For Year Ended	31 March 2023
		Network / Sub-network Name	Total Network
SCH	HEDULE 10: REPORT ON NETWORK RELIABILITY		
'his s	schedule requires a summary of the key measures of network reliability (interruptions, SAIDI, SAIFI a	ind fault rate) for the disclosure year. EDBs must provide	explanatory comment on their networ
eliat	pility for the disclosure year in Schedule 14 (Explanatory notes to templates). The SAIFI and SAIDI infi	ormation is part of audited disclosure information (as def	ined in section 1.4 of this ID
eter	mination), and so is subject to the assurance report required by section 2.8.		
ref			
Ĩ			
3	10(i): Interruptions		
		Number of	
,	Interruptions by class	interruptions	
2	Class A (planned interruptions by Transpower)	-	
	Class B (planned interruptions on the network)	1,059	
	Class C (unplanned interruptions on the network)	853	
	Class D (unplanned interruptions by Transpower)	6	
	Class E (unplanned interruptions of EDB owned generation)	-	
	Class F (unplanned interruptions of generation owned by others)		
	Class G (unplanned interruptions caused by another disclosing entity)	-	
	Class H (planned interruptions caused by another disclosing entity)	-	
	Class I (interruptions caused by parties not included above)	1	
	Total	1,919	
	Intervition roctoration	<24m	>2hrc
		20113	251115
	Class C Interruptions restored within	596	257
1			
1	SAIFI and SAIDI by class	SAIFI	SAIDI
	Class A (planned interruptions by Transpower)	-	-
5	Class B (planned interruptions on the network)	0.60	174.1
	Class C (unplanned interruptions on the network)	2.48	156.3
3	Class D (unplanned interruptions by Transpower)	0.13	13.0
1	Class E (unplanned interruptions of EDB owned generation)	-	-
'	Class F (unplanned interruptions of generation owned by others)	-	-
	Class G (unplanned interruptions caused by another disclosing entity)	-	-
	Class H (planned interruptions caused by another disclosing entity)	-	-
	Class I (interruptions caused by parties not included above)	0.00	0.2
	Total	3.21	343.7
	Normalised SAIFI and SAIDI	Normalised SAIFI Norm	nalised SAIDI
	Classes B & C (interruptions on the network)	3.08	330.5
		5.00	
2			
	Transitional SAIDI and SAIDI (previous method)	SAIFI	SAIDI
	Where FDRs do not currently record their SAIFI and SAIDI values using the 'multi-coun	t' approach they shall continue to record their SAIFI and	SAIDI values on the
	same basis that they employed as at 31 March 2023 as 'Transitional SAIFI' and 'Trans.	itional SAIDI' values, in addition to their SAIFI and SAIDI v	alues (Classes B & C)
	using the 'multi-count approach'. This is a transitional reporting requirement that s	hall be in place for the 2024, 2025, and 2026 disclosure	years.
	Class B (planned interruptions on the network)		
	Class C (upplanned interruptions on the network)		
	class c (unplatified interruptions on the network)		

	Company Name			nergy Limited
		For Year Ended	31 10	larch 2023
	Network / Sub-	network Name	lota	Network
S	CHEDULE 10: REPORT ON NETWORK RELIABILITY			
Th rel de	is schedule requires a summary of the key measures of network reliability (interruptions, SAIDI, SAIFI and fault rate) for the disclosure y iability for the disclosure year in Schedule 14 (Explanatory notes to templates). The SAIFI and SAIDI information is part of audited discl termination), and so is subject to the assurance report required by section 2.8.	year. EDBs must pro osure information (a	vide explanatory con as defined in section	iment on their network I.4 of this ID
44 45	10(ii): Class C Interruptions and Duration by Cause			
46	Cause	SAIFI	SAIDI	
47	Lightning	0.03	1.1	
48	Vegetation	0.29	24.0	
49	Adverse weather	0.06	12.3	
50	Adverse environment	0.01	0.0	
51	Third party interference	0.15	10.7	
52	Wildlife	0.02	1.3	
53	Human error	0.39	17.0	
54	Defective equipment	0.94	58.2	
55	Cause unknown	0.59	31.7	
57	Breakdown of third narty interference	SAIFI	SAIDI	
58	Dig.in	JAIN	SAIDI	
59	Overhead contact			
60	Vandalism			
61	Vehicle damage			
62	Other			
63				
64 65	10(iii): Class B Interruptions and Duration by Main Equipment Involved			
66	Main equipment involved	SAIFI	SAIDI	
67	Subtransmission lines	0.00	19	
68	Subtransmission cables	0.00	0.5	
69	Subtransmission other	0.00	0.7	
70	Distribution lines (excluding LV)	0.41	124.5	
71	Distribution cables (excluding LV)	0.15	36.3	
72	Distribution other (excluding LV)	0.03	10.3	
73 74	10(iv): Class C Interruptions and Duration by Main Equipment Involved			
75	Main equipment involved	SAIFI	SAIDI	
76	Subtransmission lines	0.13	9.4	
77	Subtransmission cables	0.02	1.3	
78	Subtransmission other	0.26	20.5	
79	Distribution lines (excluding LV)	1.33	93.7	
80	Distribution cables (excluding LV)	0.15	8.7	
81	Distribution other (excluding LV)	0.58	22.7	
82	10(v): Fault Rate			
83	Main equipment involved	Number of Faults	Circuit length (km)	Fault rate (faults per 100km)
84	Subtransmission lines	16	523	3.06
85	Subtransmission cables	1	89	1.12
86	Subtransmission other	12		
87	Distribution lines (excluding LV)	243	2,285	10.63
88	Distribution cables (excluding LV)	32	1,195	2.68
89	Distribution other (excluding LV)	199		
90	Total	503		

		Company Name	Aurora Energy Limited
		For Year Ended	31 March 2023
		Network / Sub-network Name	Dunedin Sub-network
s CI			
		rate) for the disclosure way 500 - and	ovelopotony commont on their action
eliar	coneutie requires a summary of the key measures of network reliability (interruptions, SAIDI, SAIFI and fault sility for the disclosure year in Schedule 14 (Explanatory notes to templates). The SAIFI and SAIDI information	rate) for the disclosure year. EDBs must provide n is part of audited disclosure information (as de	explanatory comment on their network fined in section 1.4 of this ID
deter	mination), and so is subject to the assurance report required by section 2.8.		
ref			
8	10(i): Interruptions		
		Number of	
9	Interruptions by class	interruptions	
2	Class A (planned interruptions by Transpower)		
	Class B (planned interruptions on the network)	500	
	Class C (unplanned interruptions on the network)	284	
	Class D (unplanned interruptions by Transpower)	-	
1	Class E (unplanned interruptions of EDB owned generation)	-	
1	Class F (unplanned interruptions of generation owned by others)	-	
	Class G (unplanned interruptions caused by another disclosing entity)	-	
'	Class H (planned interruptions caused by another disclosing entity)	-	
	Class I (interruptions caused by parties not included above)	1	
1	Total	785	
	Interruption restoration	≤3Hrs	>3hrs
	Class C interruptions restored within	205	79
	SAIFI and SAIDI by class	SAIFI	SAIDI
	Class A (planned interruptions by Transpower)	_	_
	Class B (planned interruptions on the network)	0.44	117.9
,	Class C (unplanned interruptions on the network)	0.97	65.1
	Class D (unplanned interruptions by Transpower)	_	_
,	Class E (unplanned interruptions of EDB owned generation)	_	-
	Class E (unplanned interruptions of generation owned by others)	_	_
	Class G (unplanned interruptions caused by another disclosing entity)	_	_
	Class H (planned interruptions caused by another disclosing entity)	-	_
	Class I (interruptions caused by parties not included above)	0.00	0.3
	Total	1.40	183.3
		2.10	10010
;	Normalised SAIFI and SAIDI	Normalised SAIFI Nor	malised SAIDI
	Classes B & C (interruptions on the network)	N/A N/A	A
2			
	Transitional SAIDI and SAIDI (previous method)	SAIFI	SAIDI
	Where EDBs do not currently record their SAIFI and SAIDI values using the 'multi-count' appro	ach, they shall continue to record their SAIFI and	SAIDI values on the
	same basis that they employed as at 31 March 2023 as 'Transitional SAIFI' and 'Transitional S	AIDI' values, in addition to their SAIFI and SAIDI	alues (Classes B & C)
	using the 'multi-count approach'. This is a transitional reporting requirement that shall be	in place for the 2024, 2025, and 2026 disclosure	years.
T	Class B (planned interruptions on the network)		
	Class C (unplanned interruptions on the network)		

		Company Name	Aurora	Energy Limited
	Network / Su	For Year Enaed	Dunedi	n Sub-network
6			Duileun	1300-Hetwork
Th rel de	IS schedule requires a summary of the key measures of network reliability (interruptions, SAIDI, SAIFI and fault rate) for the disclosur iability for the disclosure year in Schedule 14 (Explanatory notes to templates). The SAIFI and SAIDI information is part of audited dist remination), and so is subject to the assurance report required by section 2.8.	re year. EDBs must pro sclosure information (a	vide explanatory cor as defined in section	nment on their network 1.4 of this ID
44 45	10(ii): Class C Interruptions and Duration by Cause			
46	Cause	SAIFI	SAIDI	
47	Lightning	-	-	
48	Vegetation	0.20	17.3	
49	Adverse weather	0.04	3.8	
50	Adverse environment	0.01	0.0	
51	Third party interference	0.07	2.8	
52	Wildlife	0.01	0.7	
54		0.08	24.8	
55	Cause unknown	0.15	8.4	
56				
57	Breakdown of third party interference	SAIFI	SAIDI	
58	Dig-in			
59	Overhead contact			
60	Vandalism			
61	Vehicle damage			
62	Other	<u>I</u>		
64	10(iii): Class B Interruptions and Duration by Main Equipment Involved			
65				
65 66	Main equipment involved	SAIFI	SAIDI	
65 66 67	Main equipment involved Subtransmission lines	SAIFI 	SAIDI	
65 66 67 68	Main equipment involved Subtransmission lines Subtransmission cables	SAIFI - 0.00	SAIDI - 0.8	
65 66 67 68 69 70	Main equipment involved Subtransmission lines Subtransmission cables Subtransmission other Distribution lines (excluding LV)	SAIFI - 0.00 0.00	SAIDI 0.8 0.4 86 7	
65 66 67 68 69 70 71	Main equipment involved Subtransmission lines Subtransmission cables Subtransmission other Distribution lines (excluding LV) Distribution cables (excluding LV)	SAIFI - 0.00 0.00 0.29 0.11	SAIDI - 0.8 0.4 86.7 18.9	
65 66 67 68 69 70 71 72	Main equipment involved Subtransmission lines Subtransmission cables Subtransmission other Distribution lines (excluding LV) Distribution cables (excluding LV) Distribution other (excluding LV)	SAIFI - 0.00 0.00 0.29 0.29 0.01 0.03	SAIDI - 0.8 0.4 86.7 18.9 11.1	
65 66 67 68 69 70 71 72 73 73 74	Main equipment involved Subtransmission lines Subtransmission cables Subtransmission other Distribution lines (excluding LV) Distribution cables (excluding LV) Distribution other (excluding LV) Distribution other (excluding LV) Distribution other (excluding LV) Distribution other (excluding LV)	SAIFI - 0.00 0.00 0.29 0.11 0.03	SAIDI - 0.8 0.4 86.7 18.9 11.1	
65 66 67 68 69 70 71 72 73 73 74 75	Main equipment involved Subtransmission lines Subtransmission cables Subtransmission other Distribution lines (excluding LV) Distribution cables (excluding LV) Distribution other (excluding LV) Main equipment involved	SAIFI 	SAIDI - 0.8 0.4 86.7 18.9 11.1 SAIDI	
65 66 67 68 69 70 71 72 73 74 75 76	Main equipment involved Subtransmission lines Subtransmission cables Subtransmission other Distribution lines (excluding LV) Distribution cables (excluding LV) Distribution other (excluding LV) Distribution other (excluding LV) Subtransmission lines	SAIFI - 0.00 0.29 0.11 0.03 SAIFI 0.08	SAIDI 0.8 0.4 86.7 18.9 11.1 SAIDI 1.6	
65 66 67 68 69 70 71 72 73 74 75 76 77	Main equipment involved Subtransmission lines Subtransmission cables Subtransmission other Distribution lines (excluding LV) Distribution cables (excluding LV) Distribution other (excluding LV) Distribution other (excluding LV) 10(iv): Class C Interruptions and Duration by Main Equipment Involved Main equipment involved Subtransmission lines Subtransmission cables	SAIFI - 0.00 0.29 0.11 0.03 SAIFI 0.08 - 0.08	SAIDI - 0.8 0.4 86.7 18.9 11.1 SAIDI 1.6 - 0.6	
 65 66 67 68 69 70 71 72 73 74 75 76 77 78 70 	Main equipment involved Subtransmission lines Subtransmission cables Subtransmission other Distribution lines (excluding LV) Distribution cables (excluding LV) Distribution other (excluding LV) 10(iv): Class C Interruptions and Duration by Main Equipment Involved Main equipment involved Subtransmission lines Subtransmission other Distribution lines (excluding LV) Distribution other Subtransmission other	SAIFI - 0.00 0.00 0.29 0.11 0.03 SAIFI 0.08 - 0.05	SAIDI - 0.8 0.4 86.7 18.9 11.1 SAIDI 1.6 - 6.0 6.0	
65 66 67 68 69 70 71 72 73 74 75 76 77 78 79 80	Main equipment involved Subtransmission lines Subtransmission cables Subtransmission other Distribution lines (excluding LV) Distribution cables (excluding LV) Distribution other (excluding LV) 10(iv): Class C Interruptions and Duration by Main Equipment Involved Main equipment involved Subtransmission lines Subtransmission cables Subtransmission other Distribution lines (excluding LV) Distribution lines (excluding LV)	SAIFI - 0.00 0.00 0.29 0.11 0.03 SAIFI 0.08 - 0.05 0.56 0.07	SAIDI - 0.8 0.4 86.7 18.9 11.1 SAIDI 1.6 - 6.0 41.8 32	
65 66 67 68 69 70 71 72 73 74 75 76 77 78 79 80 81	Main equipment involved Subtransmission lines Subtransmission cables Subtransmission other Distribution lines (excluding LV) Distribution cables (excluding LV) Distribution other (excluding LV) 10(iv): Class C Interruptions and Duration by Main Equipment Involved Main equipment involved Subtransmission lines Subtransmission cables Subtransmission other Distribution lines (excluding LV) Distribution cables (excluding LV) Distribution other (excluding LV) Distribution other (excluding LV)	SAIFI - 0.00 0.00 0.29 0.11 0.03 SAIFI 0.08 - 0.05 0.05 0.07 0.20	SAIDI - 0.8 0.4 86.7 18.9 11.1 SAIDI SAIDI 1.6 - 6.0 41.8 3.2 12.5	
 65 66 67 68 69 70 71 72 73 74 75 76 77 78 79 80 81 	Main equipment involved Subtransmission lines Subtransmission cables Subtransmission other Distribution lines (excluding LV) Distribution cables (excluding LV) Distribution other (excluding LV) Distribution other (excluding LV) Distribution other (excluding LV) Distribution lines (excluding LV) Distribution other (excluding LV) Subtransmission lines Subtransmission other Distribution lines (excluding LV) Distribution other (excluding LV)	SAIFI 	SAIDI - 0.8 0.4 86.7 18.9 11.1 SAIDI 1.6 - 6.0 41.8 3.2 12.5	
65 66 67 68 69 70 71 72 73 74 75 76 77 78 79 80 81 82	Main equipment involved Subtransmission lines Subtransmission cables Subtransmission other Distribution lines (excluding LV) Distribution other (excluding LV) Subtransmission other Subtransmission other Distribution lines (excluding LV) Distribution lines (excluding LV) Distribution other (excluding LV)	SAIFI - 0.00 0.02 0.11 0.03 SAIFI 0.08 - 0.05 0.56 0.05 0.56 0.07 0.20	SAIDI - 0.8 0.4 86.7 18.9 11.1 SAIDI 1.6 6.0 41.8 3.2 12.5	Equile sets (for its
65 66 67 68 69 70 71 72 73 74 75 76 77 78 79 80 81 82 82 83	Main equipment involved Subtransmission lines Subtransmission cables Subtransmission other Distribution lines (excluding LV) Distribution other (excluding LV) Distribution other (excluding LV) Distribution other (excluding LV) Of(iv): Class C Interruptions and Duration by Main Equipment Involved Main equipment involved Subtransmission times Subtransmission other Distribution lines (excluding LV) Distribution lines (excluding LV) Distribution lines (excluding LV) Distribution lines (excluding LV) Distribution other (excluding LV)	SAIFI 	SAIDI 	Fault rate (faults per 100km)
65 66 67 68 69 70 71 72 73 74 75 76 77 78 79 80 81 82 82 83 83	Main equipment involved Subtransmission lines Subtransmission cables Subtransmission other Distribution lines (excluding LV) Distribution other (excluding LV) Distribution ines Subtransmission lines Subtransmission other Distribution lines (excluding LV) Distribution lines (excluding LV) Distribution lines (excluding LV) Distribution lines (excluding LV) Distribution other (excluding LV)	SAIFI 	SAIDI 	Fault rate (faults per 100km) 0.69
65 66 67 68 69 70 71 72 73 74 75 76 77 78 79 80 81 82 82 83 84 85	Main equipment involved Subtransmission cables Subtransmission other Distribution lines (excluding LV) Distribution cables (excluding LV) Distribution other (excluding LV) Distribution other (excluding LV) 10(iv): Class C Interruptions and Duration by Main Equipment Involved Main equipment involved Subtransmission lines Subtransmission other Distribution lines (excluding LV) Distribution cables (excluding LV) Distribution cables (excluding LV) Distribution cables (excluding LV) Distribution other (excluding LV) Distri	SAIFI 	SAIDI 	Fault rate (faults per 100km)
65 66 67 68 69 70 71 72 73 74 75 76 77 78 79 80 81 82 82 83 84 83 84 85 86	Main equipment involved Subtransmission cables Subtransmission other Distribution lines (excluding LV) Distribution cables (excluding LV) Distribution other (excluding LV) Distribution other (excluding LV) 10(iv): Class C Interruptions and Duration by Main Equipment Involved Main equipment involved Subtransmission lines Subtransmission other Distribution lines (excluding LV) Distribution cables Subtransmission other Distribution cables (excluding LV) Distribution cables (excluding LV) Distribution other (excluding LV) Distribution (excluding LV) Distribution (excluding LV) Distributi	SAIFI 	SAIDI 	Fault rate (faults per 100km) 0.69 –
65 66 67 68 69 70 71 72 73 74 75 76 77 78 79 80 81 82 83 82 83 84 85 86 87	Main equipment involved Subtransmission lines Subtransmission other Distribution lines (excluding LV) Distribution other (excluding LV) Subtransmission lines Subtransmission other Distribution lines (excluding LV) Distribution other (excluding LV) Distribution other (excluding LV) Distribution other (excluding LV) Subtransmission lines Subtransmission lines Subtransmission lines Subtransmission cables Subtransmission lines Subtransmission cables	SAIFI 	SAIDI 	Fault rate (faults per 100km) 0.69
65 66 67 68 69 70 71 72 73 74 75 76 77 78 80 81 82 82 83 84 83 84 83 84 83 84 83 84 83 84 83 84 83 84 83 84 83 84 83 84 85 86 87 87 87 87 87 87 87 87 87 87 87 87 87	Main equipment involved Subtransmission lines Subtransmission other Distribution lines (excluding LV) Distribution other (excluding LV) Subtransmission lines Subtransmission other Distribution lines (excluding LV) Distribution other (excluding LV) Distribution other (excluding LV) Distribution other (excluding LV) Distribution other (excluding LV) Subtransmission cables Distribution lines (excluding LV) Distribution lines (excluding LV) Distribution lines (excluding LV) Distribution lines (excluding LV)	SAIFI - 0.00 0.29 0.11 0.03 SAIFI 0.08 - 0.055 0.07 0.20 Number of Faults 1 - 6 83 17	SAIDI	Fault rate (faults per 100km) 0.69 - 11.37 5.12
65 66 67 68 69 70 71 72 73 74 75 76 77 78 80 81 82 83 84 82 83 84 83 84 83 84 83 84 85 86 87 88 89 89	Main equipment involved Subtransmission lines Subtransmission cables Subtransmission other Distribution lines (excluding LV) Distribution other (excluding LV) Distribution other (excluding LV) Distribution other (excluding LV) Distribution other (excluding LV) Distribution ines Subtransmission lines Subtransmission other Distribution lines (excluding LV) Distribution lines (excluding LV) Distribution other (excluding LV) Distribution lines (excluding LV) Distribution other (excluding LV) Distribution lines (excluding LV)	SAIFI - 0.00 0.29 0.11 0.03 SAIFI 0.08 - 0.05 0.56 0.07 0.20 Number of Faults 1 - 6 8 8 17 66 17 66 17 10 17 10 17 17 17 17 17 17 17 17 17 17	SAIDI	Fault rate (faults per 100km) 0.69 - 11.37 5.12

		Company Name	Aurora Energy	Limited
		For Year Ended	31 March 2	023
		Network / Sub-network Name	ntral Otago and Wanz	aka Sub-netv
50				
SCI				
This s	schedule requires a summary of the key measures of network reliability (interruptions, SAIDI, SAIFI	I and fault rate) for the disclosure year. EDBs must prov	ide explanatory comment on	their network
deter	mination) and so is subject to the assurance report required by section 2.8	nformation is part of audited disclosure information (as	defined in section 1.4 of this	SID
ucter	miniation, and so is subject to the assurance report required by section 2.6.			
h ref				
	10/i). Intermentione			
8	IO(I): Interruptions	Number of		
9	Interruptions by class	interruptions		
10	Class A (planned interruptions by Transnower)			
11	Class B (planned interruptions on the network)	408		
12	Class C (upplaned interruptions on the network)	380		
12	Class D (unplanned interruptions by Transnower)			
14	Class E (unplanned interruptions of FDB owned generation)			
15	Class E (unplanned interruptions of generation owned by others)			
16	Class G (unplanned interruptions caused by another disclosing entity)			
17	Class H (planned interruptions caused by another disclosing entity)			
18	Class I (interruptions caused by parties not included above)			
19	Total	788		
20				
21	Interruption restoration	≤3Hrs	>3hrs	
22	Class C interruptions restored within	260	120	
23		<u></u>		
24	SAIFI and SAIDI by class	SAIFI	SAIDI	
25	Class A (planned interruptions by Transnower)			
26	Class B (planned interruptions on the network)	0.88	272.9	
77	Class C (upplaned interruptions on the network)	5.00	309.5	
28	Class D (unplanned interruptions by Transnower)			
29	Class E (unplanned interruptions of FDB owned generation)			
30	Class E (unplanned interruptions of generation owned by others)			
31	Class G (unplanned interruptions caused by another disclosing entity)			
32	Class H (planned interruptions caused by another disclosing entity)		-	
33	Class I (interruptions caused by parties not included above)			
34	Total	6.06	582.4	
35				
36	Normalised SAIFI and SAIDI	Normalised SAIFI	Iormalised SAIDI	
37	Classes B & C (interruptions on the network)	N/A	N/A	
38				
			C 1101	
00	Transitional SAIDI and SAIDI (previous method)	SAIFI	SAIDI	
39	Where EDBs do not currently record their SAIFI and SAIDI values using the 'multi-cou	unt' approach, they shall continue to record their SAIFI o	ind SAIDI values on the	
39	same basis that they employed as at 31 March 2023 as 'Transitional SAIFI' and 'Tra	nsitional SAIDI' values, in addition to their SAIFI and SAI	DI values (Classes B & C)	
19	ucing the (multi-count-approach). This is a transitional scalar and the	t chall be in place for the 2024 2025 and 2026 it is	UKO VORKC	
10	using the 'multi-count approach'. This is a transitional reporting requirement that	t shall be in place for the 2024, 2025, and 2026 disclos	ure years.	
39 40 41	using the 'multi-count approach'. This is a transitional reporting requirement that Class B (planned interruptions on the network)	t shall be in place for the 2024, 2025, and 2026 disclos	ure years.	

		Company Name	Aurora I	nergy Limited
		For Year Ended	31 N	larch 2023
	Network / Sub	-network Name	entral Otago an	d Wanaka Sub-networ
S	CHEDULE 10: REPORT ON NETWORK RELIABILITY			
Thi reli det	is schedule requires a summary of the key measures of network reliability (interruptions, SAIDI, SAIFI and fault rate) for the disclosure iability for the disclosure year in Schedule 14 (Explanatory notes to templates). The SAIFI and SAIDI information is part of audited disc termination), and so is subject to the assurance report required by section 2.8.	year. EDBs must pro losure information (ovide explanatory con as defined in section	nment on their network 1.4 of this ID
44 45	10(ii): Class C Interruptions and Duration by Cause			
46	Cause	SAIFI	SAIDI	
47	Lightning	0.00	0.3	
48	Vegetation	0.16	13.3	
49	Adverse weather	0.12	37.1	
50	Adverse environment	0.00	0.0	
51	Third party interference	0.29	23.6	
52	Wildlife	0.05	3.8	
53	Human error	1.05	37.1	
55		2.10	125.5	
56	Cause unknown	1.41	00.0	
57	Breakdown of third party interference	SAIFI	SAIDI	
58	Dig-in			
59	Overhead contact			
60	Vandalism			
61	Vehicle damage			
62	Other			
63				
64 65	10(iii): Class B Interruptions and Duration by Main Equipment Involved			
66	Main equipment involved	SAIFI	SAIDI	
67	Subtransmission lines	0.02	7.8	
68	Subtransmission cables	-	-	
69	Subtransmission other	0.01	0.7	
70	Distribution lines (excluding LV)	0.63	190.3	
71	Distribution cables (excluding LV)	0.19	64.8	
72	Distribution other (excluding LV)	0.04	9.2	
73 74	10(iv): Class C Interruptions and Duration by Main Equipment Involved			
75	Main anuirmant involved	CAIEI	SAIDI	
75		JAIFI 0.24	JAIDI	
70	Subtransmission rables	0.21	27.9	
78	Subtransmission other	0.71	52.2	
79	Distribution lines (excluding LV)	2.67	181.7	
80	Distribution cables (excluding LV)	0.36	15.5	
81	Distribution other (excluding LV)	1.23	32.2	
82	10(v): Fault Rate			
82	Main equipment involved	Number of Faults	Circuit length	Fault rate (faults
84	Subtransmission lines	10	309	3.24
85	Subtransmission cables	-	10	-
86	Subtransmission other	3	10	
87	Distribution lines (excluding LV)	118	1,271	9.28
88	Distribution cables (excluding LV)	6	573	1.05
89	Distribution other (excluding LV)	101		
90	Total	238		

		Company Name	Aurora Energy Limited
		For Year Ended	31 March 2023
		Network / Sub-network Name	Queenstown Sub-netwo
SCł	EDULE 10: REPORT ON NETWORK RELIABILITY		
This s	chedule requires a summary of the key measures of network reliability (interruptions, SAIDI, SAIFI and fault i	rate) for the disclosure year. EDBs must provid	de explanatory comment on their ne
reliat	ility for the disclosure year in Schedule 14 (Explanatory notes to templates). The SAIFI and SAIDI information	is part of audited disclosure information (as	defined in section 1.4 of this ID
deter	mination), and so is subject to the assurance report required by section 2.8.		
ref			
Ĩ			
8	10(i): Interruptions		
-	tetermustions has done	Number of	
9	interruptions by class	Interruptions	
0	Class A (planned interruptions by Transpower)	-	
1	Class B (planned interruptions on the network)	151	
2	Class C (unplanned interruptions on the network)	189	
3	Class D (unplanned interruptions by Transpower)	6	
4	Class E (unplanned interruptions of EDB owned generation)		
5	Class F (unplanned interruptions of generation owned by others)		
D	Class G (unplanned interruptions caused by another disclosing entry)		
/	Class H (planned interruptions caused by another disclosing entity)		
8 0	Class I (interruptions caused by parties not included above)		
9	Total	540	
1	Interruption restoration	<3Hrs	>3hrs
2	Class C interruptions restored within	121	50
2	Class C interruptions restored within	151	36
A	SAIEL and SAIDL by class	SAIEI	SAIDI
4	Class A (alarand interrutions by Transmuss)	JAIN	SAIDI
c	Class R (planned interruptions by Transpower)	0.91	226.6
7	Class C (upplanned interruptions on the network)	4.06	250.0
0	Class D (unplanned interruptions by Transnower)	4.00	92.1
0 0	Class E (unplanned interruptions of EDR owned generation)	0.80	-
0	Class E (unplanned interruptions of generation owned by others)		
1	Class G (unplanned interruptions caused by another disclosing entity)		
2	Class H (planned interruptions caused by another disclosing entity)		
3	Class I (interruptions caused by parties not included above)		
4	Total	5 73	587 7
5		5.75	30777
6	Normalised SAIFI and SAIDI	Normalised SAIFI No	ormalised SAIDI
7	Classes B & C (interruptions on the network)	N/A N	I/A
8			
9	Transitional SAIDI and SAIDI (previous method)	SAIFI	SAIDI
	Where EDBs do not currently record their SAIFI and SAIDI values using the 'multi-count' approa	ch, they shall continue to record their SAIFI an	nd SAIDI values on the
	same basis that they employed as at 31 March 2023 as 'Transitional SAIFI' and 'Transitional SA	IDI' values, in addition to their SAIFI and SAID	l values (Classes B & C)
	using the multi-count approach. Inis is a transitional reporting requirement that shall be in	i place for the 2024, 2025, and 2026 disclosu	re years.
0			
0	Class B (planned interruptions on the network)		

	Company Name			Energy Limited	
	For Year Ended			31 March 2023	
	Network / Su	ib-network Name	Queensto	wn Sub-network	
S	CHEDULE 10: REPORT ON NETWORK RELIABILITY				
Th rel de	is schedule requires a summary of the key measures of network reliability (interruptions, SAIDI, SAIFI and fault rate) for the disclosu iability for the disclosure year in Schedule 14 (Explanatory notes to templates). The SAIFI and SAIDI information is part of audited di termination), and so is subject to the assurance report required by section 2.8.	re year. EDBs must pro sclosure information (a	vide explanatory cor as defined in section	nment on their network 1.4 of this ID	
44 45	10(ii): Class C Interruptions and Duration by Cause				
46	Cause	SAIFI	SAIDI		
47	Lightning	0.17	6.7		
48	Vegetation	0.83	66.4		
49	Adverse weather	0.09	6.2		
50	Adverse environment	-	-		
51	I hird party interference	0.26	21.1		
52	Wildlife Human error	- 0.55	- 22.8		
54		1.16	81.8		
55	Cause unknown	0.99	62.9		
56					
57	Breakdown of third party interference	SAIFI	SAIDI		
58	Dig-in				
59	Overhead contact				
60	Vandalism				
61	Vehicle damage				
62	Other				
64 65	10(iii): Class B Interruptions and Duration by Main Equipment Involved				
66	Main equipment involved	SAIFI	SAIDI		
67	Subtransmission lines	0.00	0.1		
68	Subtransmission cables	-	-		
69 70	Subtransmission other	0.01	1.5		
70	Distribution rables (excluding LV)	0.33	58.6		
72	Distribution other (excluding LV)	0.03	8.8		
73 74	10(iv): Class C Interruptions and Duration by Main Equipment Involved				
75	Main equipment involved	SAIFI	SAIDI		
76	Subtransmission lines	0.20	10.6		
77	Subtransmission cables	0.15	8.2		
78	Subtransmission other	0.36	27.0		
79	Distribution lines (excluding LV)	2.19	155.9		
80	Distribution cables (excluding LV)	0.14	19.1		
81	Distribution other (excluding LV)	1.01	47.2		
82	10(v): Fault Rate				
22	Main equinment involved	Number of Faults	Circuit length (km)	Fault rate (faults per 100km)	
84	Subtransmission lines	stander of rualts	69	7.25	
85	Subtransmission cables	1	13	7.69	
86	Subtransmission other	3			
87	Distribution lines (excluding LV)	42	284	14.79	
88	Distribution cables (excluding LV)	9	290	3.10	
89	Distribution other (excluding LV)	32			
90	Total	92			

Company Name	Aurora Energy Limited

31 March 2023

For Year Ended

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 RY23 return on investment (ROI) exceeded the estimated WACC used to set Aurora Energy's price path. The RY23 ROI is above the 75th percentile of WACC, that has been estimated by the Commerce Commission for Information Disclosure purposes. The main driver of these results has been the increase in RAB revaluations.

Aurora Energy is subject to an incremental rolling incentive scheme (IRIS) under pricequality regulation. The IRIS seeks to incentivise EDBs to control expenditure by penalising the EDB if it exceeds expenditure allowances, determined by the Commerce Commission, and rewarding it if expenditure is below the allowance.

The opex IRIS incentive for RY23 is a positive adjustment of \$13.0m that relates to operational expenditure allowances in the previous regulatory period. The capex IRIS incentive for RY23 is a penalty of \$1.5m for overspending capital expenditure allowances in the previous regulatory period. These incentives were included in Aurora Energy's calculation of allowable revenue when setting prices for RY23.

IRIS allowances are a designated recoverable cost in price-quality regulation and are therefore recovered through pass-through prices, rather than distribution prices. Consistent with our Pricing Methodology we have allocated the IRIS incentive to pricing areas and load groups in proportion to last year's revenue recoveries in those areas and groups . Aurora Energy 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.

No items have been 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 2023 is \$60.0m before tax. This represents a \$18.1m increase from the previous year. The increase was largely driven by higher line revenue (+\$17.3m), and revaluations (+\$5.4m) that was largely offset by higher depreciation (+\$3.3m) and operational expenses (+\$2.0m).

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) increased by \$90.8m during the year (compared with \$105.6m in RY22). A decrease of \$14.8m on the prior disclosure year's RAB increase. The drivers of the decrease were lower commissioned assets (-\$16.1m), higher depreciation (+\$3.3m) and disposals (+\$0.8m) which were partially offset by an increase in revaluations (+\$5.4m).

The asset category transfer of \$0.2m between distribution and low voltage lines and subtransmission lines relates to a correction of RY22 disposals.

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 \$34,936 relating to 'Expenditure or loss in regulatory profit or (loss) before tax but not deductible' is non-deductible entertainment. The amount of \$1,131,279 relating to 'Expenditure or loss deductible but not in regulatory profit / (loss) before tax' relates to payments for leases that are classified as 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 \$1,944,770 recorded in the current disclosure year relate to the tax effect of income spreading over 10 years on capital initiated works (\$1,949,307), downward movement in provision for expected credit losses (doubtful debts) (\$21,000) and increase in employee entitlements (\$16,463).

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

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

All operational expenditure is 100% directly attributable to the regulated business.

No items have been 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

Other network assets includes a fibre network that comprises of ducting / high speed broadband fibre utilised for communications between the Dunedin zone substation sites. It is assessed that for RY23, 75.5% of the network is utilised for communications between the Dunedin zone substation sites (compared to 75.5% in RY22).

No items have been 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 contains the 10-year expenditure forecasts relating to capital expenditure projects and programmes of work to be undertaken in each regulatory year. The projects and programmes are grouped by the regulatory expenditure categories of consumer connection, system growth, asset replacement and renewal, asset relocations, reliability, safety and environment and non-network capex.

Consumer connection capital expenditure, disclosed in 6a(iii), is inclusive of 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.

No items have been 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

RY23 operational expenditure was \$48.3m in line with forecast expenditure.

RY23 network maintenance was \$0.5m above the forecast of \$20.2m. Offset by a \$1.9m underspend on service interruptions and emergencies. Corrective and preventative maintenance was \$2.2m above the forecast, and vegetation management ended the year \$0.2m above forecast.

RY23 non-network operational expenditure was \$0.5m below the forecast of \$28.1m. Components of the underspend included:

- System operations and network support (SONS) expenditure was \$0.6m below the forecast, inclusive of underspends in network evolution (-\$0.3m), and other system operating and support costs (-\$0.3m),
- Business support expenditure was \$0.1m below forecast, inclusive of overspends in IT (+0.4m) and other business support costs (+\$0.1m) offset by underspend in administration and governance (-\$0.4m).

No items have been 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 \$6.5m (7%) higher than forecast.

Consumer connection growth reflects the continuing higher levels of development activity on the network, mainly on the Central Otago/Wanaka and Queenstown subnetworks. This is also impacting system growth expenditure.

The asset replacement and renewal expenditure was within 3% of forecast for the year.

Total reliability, safety, and environment was higher than forecast due to additional expenditure relating to new generators at the Omakau and Camp Hill substations to provide additional load during peak times.

Non-network capital expenditure was lower than expected largely due to a delay in our asset management system project.

Service interruptions and emergencies expenditure was below forecast due to lower levels of reactive maintenance work than expected.

We increased expenditure from forecast for corrective maintenance inspections to improve our asset information.

Vegetation management was within 4% of forecast for the year.

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

Total Revenue:

The forecast revenue from line charges was \$121.8m.

In Schedule 8 (Total Network) total line charge revenue of \$123.2m is reported. This is a difference of \$1.4m (1.1%) above forecast. It is generally expected that total billed line charge revenue for a regulatory year will be different to forecast revenue due to variation in connection numbers and energy demand.

Residential Revenue:

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 was 629.6 GWh compared to 618.6 GWh for RY22.

The average number of residential connections increased by 1.1% during the regulatory year. The average number of residential connections was 78,946, compared with 78,090 for RY22.

The average energy use per residential consumer is 7,975 kWh compared to 7,921 kWh for RY22.

General Revenue:

The average number of general connections, which are priced predominantly on the basis of demand and capacity is 15,365 compared to 15,186 for RY22.

The distinction between Residential and General connections is explained in section 4 of Aurora Energy's Use-of-System Pricing Methodology, available from

http://www.auroraenergy.co.nz/disclosures/pricing/pricing-methodologies

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 (2023), available from https://www.auroraenergy.co.nz/disclosures/price-quality-path/

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 is in place for zone substations for the buildings, 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 2023

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: Voluntary explanatory comment on disclosed information

Information disclosure exemption: Disclose and auditing of reliability information

Aurora Energy, along with all other EDBs, received an exemption from the Commerce Commission, issued on 26 May 2023, regarding the disclosure and auditing of reliability information within Schedule 10. The information in this box is disclosed in accordance with paragraph 11 of that exemption.

Treatment of successive interruptions between disclosure years 2022 and 2023: We have treated successive interruptions in the same way for the 2023 disclosure year as we did for the 2022 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.

Sale of the Te Anau embedded network

On 1 December 2022 Aurora Energy sold its Te Anau embedded network of approximately 140 ICPs. The sale was to a regulated supplier and the value of assets disposed is disclosed in schedule 4 RAB Value (rolled Forward) section (ii).



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 2023.

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 as DCHL is the ultimate holding company of 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.	\$51,506,000 This expenditure is in relation to operating and capital expenditure incurred by Aurora Energy with Delta.
Dunedin City	he DCC is the sole shareholder of	The DCC is the territorial authority for the Dunedin area in	\$969,000
Council (DCC)	DCHL.	accordance with the Local Government Act 2002.	This expenditure is primarily in relation to local rates that are payable to the DCC.
Dunedin Venues Management Limited (DVML)	Aurora Energy and DVML are related because DCHL is the ultimate holding company of Aurora Energy and DVML. DCHL is the sole shareholder of DVML.	The principal activities of DVML are to source and secure appropriate events for all venues under its management, to plan host and deliver events to a high standard, to manage the assets and facilities for which it is responsible and to facilitate community access to the venues for which it is responsible.	\$1,000 This expenditure is in relation to venue hire fees.

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 over 94,500 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;
- 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	
Non-network operating expenditure:business supportsystem operations and network support	 Direct procurement – low value, low risk Written quotes All-of-Government Group purchasing
 Network operating expenditure: routine and corrective maintenance and inspection vegetation management asset replacement and renewal service interruptions and emergencies 	Panel arrangementDirect procurement
Customer initiated works	 Customer-led (a customer or developer may use their own contractor provided that they are an Aurora Approved Contractor).
 Network and non-network capital expenditure: system growth reliability, safety and environment asset replacement and renewal asset relocations non-system fixed assets (ie IT systems, asset management systems, office buildings and furniture, motor vehicles). 	 Panel arrangement Direct procurement Tender All-of-Government

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

3.1.1 Field Services Agreements

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 into with each contractor. Each FSA had an initial term of three years, which provides us with an opportunity on a regular basis to refresh and test our contractual relationship. The FSAs with all providers were renewed during 2021 for a further two years, and have therefore become five year agreements.

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. Since the commencement of the Field Service Agreements in 2019, this was reflected in Delta being the Primary Service Provider. The Primary Service Provider performs the bulk of maintenance activity on the network, including all first response and fault repairs.

With Unison and Connetics having now established themselves as Secondary 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.

3.1.2 External tender market

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 providers) are invited to tender. Delta, plus the other FSA providers and other approved contractors participate in this external tender market.

3.1.3 Engineering Services Consultancy Panel

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

3.1.4 Customer Initiated Works

Together with the other approved contractors on our network, Delta provides customer connection services at market value rates. Under our 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.

3.1.5 Vegetation Services Agreement

Delta has traditionally performed vegetation management services across the entire Aurora network. However, from 1 April 2022, vegetation management for the Queenstown subnetwork has been procured separately to the FSA under a specific vegetation services agreement (VSA). The term of the VSA is five years and was competitively tendered on the open market.

3.1.6 Internal controls

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 on overhead network	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 in the Dunedin region	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.				
	Liaison and cutting on specified feeders in the Queenstown region	Services were procured through the tendered VSA	The terms upon which services are provided, and the rates at which services are charged, were tested in 2021 during the tendering of the VSA.				
Routine and corrective maintenance and inspection	Maintenance of switchgear	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 1 April 2022 when an independent valuation report was obtained.				

EXPENDITURE CATEGORY	REPRESENTATIVE EXAMPLE	PROCUREMENT METHOD	HOW AND WHEN ARM'S LENGTH TERMS LAST TESTED	
Capital expenditure				
System growth	Reinforcement of low voltage network	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.	
	Installation of new transformer at a zonesubstation	Tender	The terms were last tested on 19 December 2022.	
Asset replacement and renewal	Replacement of 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.	
	Upgrade of the protection and secondary systems at a zonesubstation	Tender	The terms were last tested on 13 January 2023.	
Asset relocations	Relocation of overhead network on third party (Chorus) owned 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.	
Reliability, safety and environment	Installation of reclosers on overhead network	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	Procurement of locks for assisting in ensuring the safety of people operating the network	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. Note the value of projects are expressed in nominal terms.

DESCR FUTURE PROJE	IPTION OF THE PROJECT (INCLUDING ANY POSSIBLE E NETWORK OR EQUIPMENT CONSTRAINT THAT THE CT ADDRESSES)	LIKELY TIMING OF THE PROJECT	Likely value of the project	LOCATION OF THE PROJECT	CONTRACTUAL STATUS
Operational 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.	RY24-33	\$88.8 million	Total network	This programme of works is covered by three FSAs, each of which have a five year term from 1 April 2019 to 31 March 2024. One of the FSAs is with Delta, a related party. We expect the work to be allocated among the three FSA providers.

DESCR FUTURI PROJE	IPTION OF THE PROJECT (INCLUDING ANY POSSIBLE E NETWORK OR EQUIPMENT CONSTRAINT THAT THE CT ADDRESSES)	LIKELY TIMING OF THE PROJECT	Likely value of the project	LOCATION OF THE PROJECT	CONTRACTUAL STATUS
	We have identified our likely spend over the AMP planning period at a high programme level, while each lower level programme reflects how that expenditure is allocated in RY24.				
1a.	Pole Inspections This programme of works encompasses the preventive inspection of poles on the Aurora Energy network.	RY24	\$1.9 million	Total network	This programme of works is covered by three FSAs, each of which have a five year term from 1 April 2019 to 31 March 2024. One of the FSAs is with Delta, a related party. We expect the work to be allocated among the three FSA providers.
1b.	RMU Preventive Maintenance This programme of works encompasses the carrying out of preventive maintenance on Aurora Energy's RMUs.	RY24	\$2.4 million	Total network	This programme of works is covered by three FSAs, each of which have a five year term from 1 April 2019 to 31 March 2024. One of the FSAs is with Delta, a related party. We expect the work to be allocated among the three FSA providers.
1c.	Zone Substation Preventive Maintenance This programme of works encompasses the carrying out of preventive maintenance in Aurora Energy's zone substations.	RY24	\$0.7 million	Total network	This programme of works is covered by three FSAs, each of which have a five year term from 1 April 2019 to 31 March 2024. One of the FSAs is with Delta, a related party. We expect the work to be allocated among the three FSA providers.
1d.	Overhead Conductor Inspections This programme of works encompasses the carrying out of preventive inspections on Aurora Energy's overhead conductors.	RY24	\$1.3 million	Total network	This programme of works is covered by three FSAs, each of which have a five year term from 1 April 2019 to 31 March 2024. One of the FSAs is with Delta, a related party. We expect the work to be allocated among the three FSA providers.

DESCF FUTUR PROJE	RIPTION OF THE PROJECT (INCLUDING ANY POSSIBLE E NETWORK OR EQUIPMENT CONSTRAINT THAT THE CCT ADDRESSES)	LIKELY TIMING OF THE PROJECT	Likely value of the project	LOCATION OF THE PROJECT	CONTRACTUAL STATUS
1e.	Ancillary Distribution Substation Equipment Preventative Maintenance This programme of works encompasses the carrying out of preventive maintenance in Aurora Energy's ancillary distribution substation equipment.	RY24	\$0.1 million	Total network	This programme of works is covered by three FSAs, each of which have a five year term from 1 April 2019 to 31 March 2024. One of the FSAs is with Delta, a related party. We expect the work to be allocated among the three FSA providers.
1f.	LV Enclosure Inspections This programme of works encompasses the carrying out of preventive inspections on Aurora Energy's LV enclosures.	RY24	\$0.9 million	Total network	This programme of works is covered by three FSAs, each of which have a five year term from 1 April 2019 to 31 March 2024. 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.	RY24-33	\$37.1 million	Total network	This programme of works is covered by three FSAs, each of which have a five year term from 1 April 2019 to 31 March 2024. 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	RY24-33	\$43.6 million	Total network	This programme of works is covered by three FSAs, each of which have a five year term from 1 April 2019 to 31 March 2024, and the Frankton VSA, which has a term from 1 April 2022 to

DESCR FUTURI PROJE	PRIPTION OF THE PROJECT (INCLUDING ANY POSSIBLE E NETWORK OR EQUIPMENT CONSTRAINT THAT THE CT ADDRESSES)	LIKELY TIMING OF THE PROJECT	Likely value of the project	LOCATION OF THE PROJECT	CONTRACTUAL STATUS
	and the carrying out of preliminary and physical works.				31 March 2027. The VSA, and one of the FSAs, is with Delta, a related party. Under the VSA and FSAs, this programme of works is contracted exclusively to Delta.
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.	RY24-33	\$43.5 million	Total network	This programme of works is covered by three FSAs, each of which have a five year term from 1 April 2019 to 31 March 2024. One of the FSAs is with Delta, a related party. We expect the work to be allocated among the three FSA providers.
4a.	Possum and Cable Guard Retrofit Programme This programme of work encompasses the retrofitting of possum guards and cable guards on the Aurora network.	RY24-26	\$0.6 million	Total network	This programme of works is covered by three FSAs, each of which have a five year term from 1 April 2019 to 31 March 2024. 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. As with table 4.1.1, the value of projects are expressed in nominal terms.

DESCR FUTURE PROJE	RIPTION OF THE PROJECT (INCLUDING ANY POSSIBLE E NETWORK OR EQUIPMENT CONSTRAINT THAT THE CT ADDRESSES)	LIKELY TIMING OF THE PROJECT	Likely value of the project	LOCATION OF THE PROJECT	CONTRACTUAL STATUS
Capita	al 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.	RY24-33	\$201.7 million	Total network	This programme of works is covered by three FSAs, each of which have a five year term from 1 April 2019 to 31 March 2024. 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.
2.	Zone Substation Renewals 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 2a through 2f describe the six most significant of these renewal projects.	RY24-33	\$58.9 million	Specific zone substations located across the network	Currently not indicated for supply by a related party.
2a.	Smith Street Substation Renewal - Transformers The equipment contained in the Smith Street substation is near-end-of-life and requires renewal. This project involves replacing the existing transformers (two off) with 33kV/11kV 16/24MVA transformers complete with on load tap changers. Additional works include oil containment system upgrade, cabling, protection and neutral earthing resisters.	RY27-29	\$4.2 million	Smith Street, Dunedin	Currently not indicated for supply by a related party.
2b.	Mosgiel Transformer Replacement and 33 kV Outdoor-Indoor Conversion The 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	RY25-27	\$9.0 million	Mosgiel, Dunedin	Currently not indicated for supply by a related party.

DESCF FUTUR PROJE	RIPTION OF THE PROJECT (INCLUDING ANY POSSIBLE E NETWORK OR EQUIPMENT CONSTRAINT THAT THE CCT ADDRESSES)	LIKELY TIMING OF THE PROJECT	Likely value of the project	LOCATION OF THE PROJECT	CONTRACTUAL STATUS
	switchroom building to house a new 33 kV switchboard.				
2c.	Green Island Substation Rebuild The equipment contained in the Green Island substation is near-end-of-life and requires renewal. The optimum solution is for the substation to be rebuilt on the existing site.	RY24-25	\$4.3 million	Green Island, Dunedin	Currently not indicated for supply by a related party.
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.	RY27-29	\$6.2 million	Willowbank, Dunedin	Currently not indicated for supply by a related party.
2e.	Alexandra Substation Renewal The equipment contained in the Alexandra substation is near-end-of-life and requires renewal. This project involves re-establishing the 11kV and 33kV switchgear in indoor buildings.	RY24	\$4.2 million	Alexandra, Central Otago	Currently not indicated for supply by a related party.
2f.	East Taieri Substation Renewal The equipment contained in the East Taieri substation is near-end-of-life and requires renewal.	RY29-31	\$5.9 million	Mosgiel, Dunedin	Currently not indicated for supply by a related party.
3.	Crossarm Replacement This is an ongoing programme of work to replace crossarms on a condition basis.	RY24-33	\$69.9 million	Total network	This programme of works is covered by three FSAs, each of which have a five year term from 1 April 2019 to 31 March 2024. 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.
4.	Distribution Conductor Replacement	RY24-33	\$37.2 million	Total network	This programme of works will likely be provided by a mix of FSAs, each of

descr futuri proje	IPTION OF THE PROJECT (INCLUDING ANY POSSIBLE E NETWORK OR EQUIPMENT CONSTRAINT THAT THE CT ADDRESSES)	LIKELY TIMING OF THE PROJECT	Likely value of the project	LOCATION OF THE PROJECT	CONTRACTUAL STATUS
	This is an ongoing programme of work to replace distribution conductor that has reached end-of- life.				which have a five year term from 1 April 2019 to 31 March 2024, 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.	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 5a, 5b and 5c below describe three of the most significant projects.	RY24-33	\$24.1 million	Dunedin	Currently not indicated for supply by a related party.
5a.	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.	RY31-33	\$6.2 million	Willowbank, Dunedin	Currently not indicated for supply by a related party.
5b.	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 Corstorphine zone substation.	RY27-30	\$10.0 million	Corstorphine, Dunedin	Currently not indicated for supply by a related party.
5c.	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.	RY24-26	\$6.6 million	Kaikorai Valley, Dunedin	Currently not indicated for supply by a related party.

DESCF FUTUR PROJE	RIPTION OF THE PROJECT (INCLUDING ANY POSSIBLE E NETWORK OR EQUIPMENT CONSTRAINT THAT THE CCT ADDRESSES)	LIKELY TIMING OF THE PROJECT	Likely value of the project	LOCATION OF THE PROJECT	CONTRACTUAL STATUS
6.	Low voltage Conductor Replacement This is an ongoing programme of work to replace LV conductor that has reached end-of-life.	RY24-33	\$24.9 million	Total network	This programme of works is covered by three FSAs, each of which have a five year term from 1 April 2019 to 31 March 2024. 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.
7.	Distribution Cable Replacements This is a programme involving the renewal of distribution cables on our Dunedin network that and have reached end-of-life.	RY24-33	\$2.9 million	Total network	This programme of works is covered by three FSAs, each of which have a five year term from 1 April 2019 to 31 March 2024. One of the FSAs is with Delta, a related party. We expect the work to be allocated among the three FSA providers.
8.	Ancillary Distribution Sub Replacements This is an ongoing programme of work to replace ancillary distribution substations that have reached end-of-life.	RY24-33	\$12.6 million	Total network	This programme of works is covered by three FSAs, each of which have a five year term from 1 April 2019 to 31 March 2024. One of the FSAs is with Delta, a related party. We expect the work to be allocated among the three FSA providers.
9.	Ground Mounted Switchgear Replacements This is an ongoing programme of work to replace ground mounted switchgear that has reached end-of-life.	RY24-33	\$53.5 million	Total network	This programme of works is covered by three FSAs, each of which have a five year term from 1 April 2019 to 31 March 2024. One of the FSAs is with Delta, a related party. We expect the work to be allocated among the three FSA providers.
10.	Pole Mounted Transformer Replacement This is an ongoing programme of work to replace distribution transformers that have reached end-of-	RY24-33	\$8.1 million	Total network	This programme of works is covered by three FSAs, each of which have a five year term from 1 April 2019 to 31 March 2024. One of the FSAs is with

DESCR FUTURE PROJE	IPTION OF THE PROJECT (INCLUDING ANY POSSIBLE E NETWORK OR EQUIPMENT CONSTRAINT THAT THE CT ADDRESSES)	LIKELY TIMING OF THE PROJECT	Likely value of the project	LOCATION OF THE PROJECT	CONTRACTUAL STATUS
	life. It includes pole mount to ground mount conversions of large two pole substations, which are not seismically qualified.				Delta, a related party. We expect the work to be allocated among the three FSA providers.

4.2 Maps

4.2.1 Dunedin subnetwork



Operational Expenditure:

1 - 4 Total network

Capital Expenditure:

1 3 - 4 6 - 10 Total network 23 Smith St substation renewal 2Ь Mosgiel transformer replacement and 33 kV outdoor-indoor conversion

- 20 Green Island substation rebuild
- 20 Willowbank substation renewal
- (2f) East Taieri substation renewal
- 5a 5b Willowbank cable replacement and switchboard
- Corstorphine cable replacement
- (5c) Kaikorai Valley cable replacement

4.2.2 Central Otago subnetwork



Operational Expenditure:

1-4 Total network

Capital Expenditure:

(1) (3-(4) (6-(10) Total network

Alexandra Substation renewal

SCHEDULE 18

Certification for Year-end Disclosures

Clause 2.9.2 and 2.9.5

We, Stephen Richard Thompson and Janice Evelyn Frederic, 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.

A hom

Stephen Richard Thompson

Janice Evelyn Frederic

29 August 2023

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 2023 as required by the Electricity Distribution Information Disclosure Determination 2012 (consolidated 6 July 2023)

Aurora Energy Limited (the company) is required to disclose certain information under the Electricity Distribution Information Disclosure Determination 2012 (consolidated 6 July 2023) (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 2023 (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 (consolidated 20 May 2020) (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 9 June 2023 under clause 2.11.1 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 3100 (Revised) Compliance Engagements (SAE 3100 (Revised)), issued by the New Zealand Auditing and Assurance Standards Board. An engagement conducted in accordance with SAE 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 compliance engagement, 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)	We have obtained an understanding of the compliance requirements relevant to the RAB as set out in the Determination.
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 operational (network maintenance) or capital (asset	 The procedures we carried out to satisfy ourselves that the capital expenditure and assets commissioned meet the definition under the Determination, included: assessing the company's capitalisation policy was in line with NZ IAS 16 Property, Plant and Equipment;

Key assurance matter	How our procedures addressed the key assurance matter
replacement or network growth) in nature. Capital expenditure in the current disclosure year totalled \$87 million and assets commissioned into the RAB amounted to \$77 million, compared to total network operating expenditure of \$48 million. The amount of capital expenditure is also significant relative to the RAB opening value of \$645 million. Capital expenditure and assets commissioned into the RAB are a key assurance matter due to the significant judgement by company personnel and the auditor to assess whether the capital expenditure and assets commissioned into the RAB meets the definition set out in the Determination.	 evaluating the design and implementation of controls over the classification of the network expenditure; testing a sample of capital expenditure to invoices or other supporting information to determine whether the expenditure met the capitalisation criteria in the Determination and capitalised to the appropriate asset category; and reconciling the assets commissioned from the regulatory fixed asset register to the additions disclosed in the audited financial statements and investigated any reconciling items; Having completed these procedures, we have no matters to report.
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	 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. 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: 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; reviewing the relevant policies for approval and negotiation of related-party transactions, and testing compliance with those policies; reviewing and testing the field services agreement with related parties; benchmarking the charges against quotations from non-related parties;
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.	 confirming the material accuracy of related party values disclosed, and compliance of their calculation with the Determination and the IM Determination; and

Key assurance matter	How our procedures addressed the key assurance matter
	 confirming related party transactions valued at the cost incurred by the related party to underlying records.
	Having carried out these procedures, we are satisfied that related party transactions are valued at arms-length.
Accuracy of the number and duration of 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 of the reliability of the network could be materially misstated. This is a key assurance matter because information on the frequency 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. The Commerce Commission has issued an Exemption notice which, if it applies 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	 related party transactions are valued at arms-length. 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: performing an assessment of the reliability of the manual and automated processes to record the details of interruptions to supply; obtaining internal and external information on interruptions such as board minutes and media reports to gain assurance that interruptions to supply were recorded; 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; checked the SAIDI and SAIFI ratios were correctly calculated in accordance with the Determination, and the IM Determination; obtained explanations for all significant variances to forecast; and testing the accuracy of the number of connections to the Electricity Authority's register. With respect to the Exemption, we: obtained and documented our understanding of the company's methods by which electricity outages and their duration are recorded where an outage event results in successive interruptions of supply;
disclosures so the exclusion to the assurance opinion applies.	 compared this to the documented process that the company followed in the previous year; and identified potential incidences of successive interruptions of supply to ensure that the

Key assurance matter	How our procedures addressed the key assurance matter
	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. 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; and
- 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 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 requirements of Professional and Ethical Standard 1 International Code of Ethics for Assurance Practitioners (including International Independence Standards) (New Zealand) (PES 1) issued by the New Zealand Auditing and Assurance Standards Board; and
- quality management requirements, which incorporate Professional and Ethical Standard 3 Quality Management for Firms that perform Audits or Reviews of Financial Statements, or Other Assurance or Related Services Engagements (PES 3) issued by the New Zealand Auditing and Assurance Standards Board. PES 3 requires our firm to design, implement and operate a system of quality management including policies or procedures regarding compliance with ethical requirements, professional standards, and applicable legal and regulatory requirements.

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 the Customised Price-Quality Path, the assurance engagement on the Annual Delivery Report, 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 30 August 2023