

### AMP Planning Period

**Top Energy Ltd**

**1 April 2024 – 31 March 2034**

## SCHEDULE 12a: REPORT ON ASSET CONDITION

This schedule requires a breakdown of asset condition by asset class as at the start of the forecast year. The data accuracy assessment relates to the percentage values disclosed in the asset condition columns. Also required is a forecast of the percentage of units to be replaced in the next 5 years. All information should be consistent with the information provided in the AMP and the expenditure on assets forecast in Schedule 11a. All units relating to cable and line assets, that are expressed in km, refer to circuit lengths.

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Asset condition at start of planning period (percentage of units by grade)												
	Voltage	Asset category	Asset class	Units	H1	H2	H3	H4	H5	Grade unknown	Data accuracy (1–4)	% of asset forecast to be replaced in next 5 years
	All	Overhead Line	Concrete poles / steel structure	No.	0.05%	2.13%	5.56%	84.19%	3.23%	4.84%	4	0.40%
	All	Overhead Line	Wood poles	No.	0.51%	11.93%	66.87%	16.18%	1.45%	3.07%	4	34.00%
	All	Overhead Line	Other pole types	No.	-	-	-	28.57%	35.71%	35.71%	4	
	HV	Subtransmission Line	Subtransmission OH up to 66kV conductor	km	-	5.10%	44.32%	17.40%	22.97%	10.21%	2	
	HV	Subtransmission Line	Subtransmission OH 110kV+ conductor	km	-	-	8.33%	-	66.67%	25.00%	2	
	HV	Subtransmission Cable	Subtransmission UG up to 66kV (XLPE)	km	-	-	-	5.45%	94.55%	-	2	
	HV	Subtransmission Cable	Subtransmission UG up to 66kV (Oil pressurised)	km	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A
	HV	Subtransmission Cable	Subtransmission UG up to 66kV (Gas pressurised)	km		N/A	N/A	N/A	N/A	N/A	N/A	N/A
	HV	Subtransmission Cable	Subtransmission UG up to 66kV (PILC)	km	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A
	HV	Subtransmission Cable	Subtransmission UG 110kV+ (XLPE)	km	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A
	HV	Subtransmission Cable	Subtransmission UG 110kV+ (Oil pressurised)	km	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A
	HV	Subtransmission Cable	Subtransmission UG 110kV+ (Gas Pressurised)	km	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A
	HV	Subtransmission Cable	Subtransmission UG 110kV+ (PILC)	km	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A
	HV	Subtransmission Cable	Subtransmission submarine cable	km	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A
	HV	Zone substation Buildings	Zone substations up to 66kV	No.	-	-	-	35.00%	65.00%	-	4	
	HV	Zone substation Buildings	Zone substations 110kV+	No.	-	-	-	66.67%	-	33.33%	4	
	HV	Zone substation switchgear	22/33kV CB (Indoor)	No.	-	-	-	1.92%	84.62%	13.46%	4	
	HV	Zone substation switchgear	22/33kV CB (Outdoor)	No.	-	-	13.33%	60.00%	13.33%	13.33%	4	
	HV	Zone substation switchgear	33kV Switch (Ground Mounted)	No.	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A
	HV	Zone substation switchgear	33kV Switch (Pole Mounted)	No.	-	-	-	51.15%	41.95%	6.90%	4	
	HV	Zone substation switchgear	33kV RMU	No.	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A
	HV	Zone substation switchgear	50/66/110kV CB (Indoor)	No.	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A
	HV	Zone substation switchgear	50/66/110kV CB (Outdoor)	No.	-	18.18%	-	9.09%	63.64%	9.09%	4	
	HV	Zone substation switchgear	3.3/6.6/11/22kV CB (ground mounted)	No.	-	-	-	53.52%	46.48%	-	4	
	HV	Zone substation switchgear	3.3/6.6/11/22kV CB (pole mounted)	No.	-	14.29%	-	31.43%	31.43%	22.86%	4	

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Asset condition at start of planning period (percentage of units by grade)												
	Voltage	Asset category	Asset class	Units	H1	H2	H3	H4	H5	Grade unknown	Data accuracy (1–4)	% of asset forecast to be replaced in next 5 years
36				No.	-	1.92%	15.38%	46.15%	15.38%	21.15%	4	3.80%
37				km	2.44%	20.92%	34.77%	30.00%	10.29%	1.58%	2	1.50%
38				km	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A
39	HV	Zone Substation Transformer	Zone Substation Transformers	No.	-	1.92%	15.38%	46.15%	15.38%	21.15%	4	3.80%
40	HV	Distribution Line	Distribution OH Open Wire Conductor	km	2.44%	20.92%	34.77%	30.00%	10.29%	1.58%	2	1.50%
41	HV	Distribution Line	Distribution OH Aerial Cable Conductor	km	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A
42	HV	Distribution Line	SWER conductor	km	17.83%	30.97%	18.38%	17.21%	15.49%	0.14%	2	9.40%
43	HV	Distribution Cable	Distribution UG XLPE or PVC	km	0.25%	3.06%	7.41%	47.46%	30.22%	11.65%	2	-
44	HV	Distribution Cable	Distribution UG PILC	km	-	11.73%	24.80%	48.00%	3.47%	12.00%	2	-
45	HV	Distribution Cable	Distribution Submarine Cable	km	-	66.67%	-	16.67%	16.67%	-	2	-
46	HV	Distribution switchgear	3.3/6.6/11/22kV CB (pole mounted) - reclosers and sectionalisers	No.	0.59%	-	2.95%	75.52%	2.95%	17.99%	4	-
47	HV	Distribution switchgear	3.3/6.6/11/22kV CB (Indoor)	No.	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A
48	HV	Distribution switchgear	3.3/6.6/11/22kV Switches and fuses (pole mounted)	No.	7.87%	11.53%	13.91%	24.05%	21.75%	20.88%	4	-
49	HV	Distribution switchgear	3.3/6.6/11/22kV Switch (ground mounted) - except RMU	No.	-	-	-	-	-	100.00%	4	-
50	HV	Distribution switchgear	3.3/6.6/11/22kV RMU	No.	-	-	1.72%	75.54%	17.60%	5.15%	4	6.40%
51	HV	Distribution Transformer	Pole Mounted Transformer	No.	0.06%	0.55%	4.57%	88.06%	2.01%	4.76%	4	1.50%
52	HV	Distribution Transformer	Ground Mounted Transformer	No.	-	0.11%	1.11%	88.99%	1.67%	8.12%	4	1.40%
53	HV	Distribution Transformer	Voltage regulators	No.	-	-	6.06%	60.61%	30.30%	3.03%	4	4.80%
54	HV	Distribution Substations	Ground Mounted Substation Housing	No.	-	-	5.56%	16.67%	5.56%	72.22%	1	27.00%
55	LV	LV Line	LV OH Conductor	km	4.32%	27.30%	35.46%	24.08%	8.57%	0.29%	2	-
56	LV	LV Cable	LV UG Cable	km	7.08%	16.87%	21.62%	34.63%	18.76%	1.05%	2	-
57	LV	LV Streetlighting	LV OH/UG Streetlight circuit	km	3.06%	20.91%	26.85%	44.95%	3.86%	0.37%	2	-
58	LV	Connections	OH/UG consumer service connections	No.	0.03%	0.35%	11.93%	74.12%	4.36%	9.20%	2	-
59	All	Protection	Protection relays (electromechanical, solid state and numeric)	No.	-	-	-	100.00%	-	-	1	8.60%
60	All	SCADA and communications	SCADA and communications equipment operating as a single system	Lot	-	-	-	100.00%	-	-	1	5.80%
61	All	Capacitor Banks	Capacitors including controls	No.	-	-	68.29%	29.27%	2.44%	-	4	-
62	All	Load Control	Centralised plant	Lot	-	-	-	7.14%	7.14%	85.71%	2	-
63	All	Load Control	Relays	No.	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A
64	All	Civils	Cable Tunnels	km	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A