

ESTIMATES COMMITTEE

Question Taken on Notice

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From: K McNamara

To: Mr Dennis Bree

Portfolio: Essential Services

Agency: Territory Generation

Subject: End of life projections for TGen Assets

QUESTION:

Could I please get a copy of the end-of-life projections for the assets at TGen?

ANSWER:

Below are the estimated retirement dates of the generators in the Territory generation fleet.

Please note

- These dates are reassessed on an annual basis based on current and projected system loads.
- **The life of the units can always be extended with capital investment** if the business case is positive.
- End-of-life dates are dependent on run hours and utilisation – which varies based on system load.
- The target dates are provided to the Utilities Commission annually to access the available capacity in the systems.

CIPS – Channel Island power station

WPS – Weddell power station

KPS – Katherine power station

TCPS – Tennant Creek power station

RGPS – Ron Goodin power station

OSPS – Owen Springs power station

Station	Unit	Make/Model	Sustainable Capacity (MW)	Target Retirement date - current projection.
CIPS	1	GE Frame 6	21	1/01/2026
CIPS	2	GE Frame 6	31.6	31/12/2030
CIPS	4	GE Frame 6	31.6	31/12/2034
CIPS	5	GE Frame 6	31.6	31/12/2034
CIPS	6	Mitsubishi	32	31/12/2027
CIPS	7	GE LM6000	37	31/12/2035
CIPS	8	Trent 60	42	31/12/2041
CIPS	9	Trent 60	42	31/12/2041
CIPS	10	TM2500	Will be online before 2027	1/07/2065
WPS	1	GE LM6000 PD	37	31/12/2038
WPS	2	GE LM6000 PD	37	31/12/2038
WPS	3	GE LM6000 PD	37	31/12/2043
KPS	1	Solar Mars 100	8.5	31/12/2038
KPS	2	Solar Mars 90	7.5	31/12/2038
KPS	3	Solar Mars 100	8.5	31/12/2038
KPS	4	Solar Titan 130	12.5	31/12/2038
TCPS	10	CAT 3516G	0.958	31/12/2028
TCPS	11	CAT 3516G	0.958	31/12/2028
TCPS	12	CAT 3516G	0.958	31/12/2029
TCPS	13	CAT 3516G	0.958	31/12/2029
TCPS	14	CAT 3516G	0.958	31/12/2030
TCPS	15	Solar Taurus 60	4.2	31/12/2035
TCPS	16	Cummins QSK60	1.5	31/12/2038
TCPS	17	Cummins QSK60	1.5	31/12/2038
TCPS	18	Cummins QSK60	1.5	31/12/2038
TCPS	19	Jenbacher J612	2	31/12/2043
TCPS	20	Jenbacher J612	2	31/12/2043
TCPS	21	Jenbacher J612	2	31/12/2043
RGPS	3	Mirrlees KVSS14	0	Decommissioned
RGPS	4	Mirrlees KVSS15	4.2	31/12/2026
RGPS	5	Mirrlees KVSS16	4.2	31/12/2026
RGPS	6	Pielstick PC2-3 V16 DF	5.5	31/12/2026
RGPS	7	Pielstick PC2-3 V16 DF	5.5	31/12/2026
RGPS	8	Pielstick PC2-3 V16 DF	0	Decommissioned
RGPS	9	ASEA GT35C	0	Decommissioned
OSPS	1	MAN 12V 51/60 DF	10.9	31/12/2041
OSPS	2	MAN 12V 51/60 DF	10.9	31/12/2041
OSPS	3	MAN 12V 51/60 DF	10.9	31/12/2041
OSPS	A	Solar Taurus 60	4.2	31/12/2035
OSPS	5	Jenbacher J624	3.8	31/12/2043
OSPS	6	Jenbacher J624	3.8	31/12/2043
OSPS	7	Jenbacher J624	3.8	31/12/2043

Station	Unit	Make/Model	Sustainable Capacity (MW)	Target Retirement date - current projection.
OSPS	8	Jenbacher J624	3.8	31/12/2043
OSPS	9	Jenbacher J624	3.8	31/12/2043
OSPS	10	Jenbacher J624	3.8	31/12/2043
OSPS	11	Jenbacher J624	3.8	31/12/2043
OSPS	12	Jenbacher J624	3.8	31/12/2043
OSPS	13	Jenbacher J624	3.8	31/12/2043
OSPS	14	Jenbacher J624	3.8	31/12/2043