Air emissions - volatile organic compounds (VOC)

AGL Loy Yang total VOC emissions decreased 5%. Point source emissions are calculated using the quantity of fuel combusted and relevant industry emission factors. The decrease in emissions is aligned with the decrease in coal combustion (down 10%).

Bayswater Power Station total VOC emissions increased 33%. Point source emissions are calculated using the summed total of individual VOCs measured in stack tests. The increase in emissions was mostly driven by higher measurements of VOCs from stack tests, with noticeable increases for acetone (up >500%). Higher measurements of VOCs are generally indicative of diesel combustion at the time of testing. Compared to FY24, diesel combustion at the power station increased 47%.

AGL Torrens total VOC emissions increased 37%. The increase in emissions aligns with the overall increase in pipeline natural gas combustion at Torrens Island Power Station and Barker Inlet Power Station (up 40%).

	FY21	FY22	FY23	FY24	FY25
AGL Torrens	15,435	9,835	7,665	6,848	9376
Somerton Power Station	1,256	693	1,055	471	1342
Camden Gas Project	1,190	591	664	-	-
Newcastle Gas Storage Facility	13	18	13	15	13
Wallumbilla LPG Plant	6,607	6,313	5,655	4,782	-
Silver Springs Oil and Gas Project	5,547	4,683	5,937	7,021	-
AGL Loy Yang	402,895	373,091	356,722	388,609	369645
Bayswater Power Station	196,737	205,538	6,580	16,360	21701
Liddell Power Station	7,736	12,709	2,771	1,906	1742
Kwinana Swift Power Station	370	570	1,114	1,167	1155

Notes

FY25 data was updated in November 2025. A subset of data (comprising emissions associated with the combustion of black coal at Bayswater Power Station, black and brown
For the purposes of this data set, AGL Torrens comprises the Torrens Island Power Station and the Barker Inlet Power Station.
All figures have been rounded to the nearest kilogram.
Air emissions data for AGL sites is publicly reported NPI data (see www.npi.gov.au).
The emission factors used in AGL's NPI reports are sourced from relevant industry emission estimation technique manuals available on the NPI website.