Burning fossil fuels, land clearing, agriculture, and waste all contribute to climate pollution warming the planet, driving extreme weather, and pushing species over the edge to extinction.

NSW releases about four times more greenhouse pollution per person than the global average, and three times the European average.

This pollution is accelerating climate change, but there is a lot we can do to reduce it. Our pollution is a direct result of our heavy reliance on coal for electricity generation. More than 80% of the state’s greenhouse pollution comes from burning coal, oil, and gas, while agriculture, industrial processes, and waste make up smaller portions.

In addition to our domestic emissions, our coal exports make a huge contribution to global warming. This makes NSW one of the strongest drivers of climate change in the world.

What will it take?

Globally, more than 190 countries have agreed to reduce greenhouse pollution restrict warming below 2°C, and ideally below 1.5°C. To do our fair share in meeting this goal, NSW needs to reduce emissions to zero by 2040 at the latest, and retire our coal-fired power stations by 2030.

<table>
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<tr>
<th>GREENHOUSE POLLUTION PER PERSON (TONNES CO₂/EYEAR)</th>
<th>GLOBAL AVERAGE</th>
<th>NSW</th>
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<tr>
<td>5t</td>
<td>18t</td>
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Domestic vs export coal emissions (million tonnes CO₂-e)

NSW Domestic Emissions

NSW Export Coal Emissions

400 Mt

80 Mt

THE BIG FIVE

The vast majority (79%) of NSW’s electricity still comes from a fleet of five ageing, coal-fired power stations. Replacing these with solar, wind, and storage by 2050 is essential to ensure we avoid dangerous climate change.

1. Bayswater

Baywater Power Station is 49 years old, located in Muswellbrook, and owned by AGL. Baywater emits 15,959,160 tonnes of greenhouse pollution per year or 89.4 kg CO₂-e.

16 MILLION TONNES / YR

2. Eraring

Eraring Power Station is 46 years old, located in Lake Macquarie and owned by Origin Energy. Eraring emits 12,924,981 tonnes of greenhouse pollution per year or 80.4 kg CO₂-e.

13 MILLION TONNES / YR

3. Lidell

Liddell Power Station is 45 years old, located in Muswellbrook and owned by AGL. Liddell emits 15,672,951 tonnes of greenhouse pollution per year or 89.2 kg CO₂-e.

7.5 MILLION TONNES / YR

4. Vales Point

Vales Point Power Station is 39 years old, located in Lake Macquarie and owned by SSE. Vales Point emits 6,764,941 tonnes of greenhouse pollution per year or 40.4 kg CO₂-e.

6.5 MILLION TONNES / YR

5. Mt Piper

Mt Piper Power Station is 44 years old, located in Lithgow and owned by Energy Australia. Mt Piper emits 6,552,705 tonnes of greenhouse pollution per year or 40.0 kg CO₂-e.

6.5 MILLION TONNES / YR