



Curtin's Pathway to NET ZERO

Making our community healthier, fairer and more liveable as we address climate change.



WHERE ARE WE NOW? Curtin's current emissions

Total electorate emissions
FY20/21 = 2,156,000t CO₂e

This emissions data comes from the Snapshot Community Climate Tool (as of October 2023) – a free online database of the emissions of all Federal electorates, states, and local councils in Australia. Find out more at snapshotclimate.com.au.

 **35%**
TRANSPORT

 **7%** WASTE

 **3%** INDUSTRIAL PROCESSES AND PRODUCT USE

 **51%**
ELECTRICITY

 **4%** GAS

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We acknowledge the Whadjuk Noongar people as the Traditional Custodians of this land and we pay our respects to their Elders past and present.

Kate Chaney MP
FEDERAL MEMBER FOR CURTIN

SUMMARY

Getting to net zero

We need to rapidly reduce our emissions. Luckily, the main sources of emissions in Curtin are some of the easiest to decarbonise so we can, and should, get Curtin close to net zero by 2035 and well before 2050.

What we need to do in Curtin

Generate our electricity from renewables

1. Achieve close to 100% renewable energy generation
2. Increase storage capacity
3. Upgrade the network
4. Manage demand with a smart, flexible grid

Reduce car use and switch to zero emissions vehicles

Reducing car dependency

1. Reduce the need to travel
2. Stop expanding roads in congested urban areas
3. Increase walking and cycling
4. Increase public transport

Switching our vehicles

1. 100% zero emissions light vehicle sales by 2035
2. Decarbonise freight and public transport
3. Establish an integrated EV charging network

Construct and use energy in buildings better

Using buildings

1. Make buildings renewables-ready
2. Reduce demand through energy efficiency
3. Electrify everything

Constructing buildings

1. Use existing buildings better
2. Work towards zero carbon construction
3. Density done right

Improve urban greenery

1. Protect existing vegetation
2. Plant more plants
3. Plant different plants
4. Plant in the right place

Reduce and recover organic and plastic waste

1. Reduce waste production
2. Recover and recycle the rest

How we need to do it

To make net zero possible, these five broad themes will need to underpin our transition in Curtin and beyond:

1 Phase out fossil fuels

3 Ensure a just transition

5 Foster innovation and creativity

2 Engage the community

4 Secure the supply chain

What governments can do

	Federal Government	State Government	Local Government
Electricity	<ol style="list-style-type: none"> 1. Introduce regulations and allocate funding to attract private investment in the renewable energy sector. 2. Ensure WA gets a fair and proportionate allocation of Federal funding for renewables-related infrastructure. 	<ol style="list-style-type: none"> 1. Establish a renewable electricity target and emissions reduction target for WA for 2030. 2. Facilitate transition of the southwest electricity grid (SWIS) to close to 100% renewable energy, which includes large-scale renewable generation, storage, and network upgrades. 	<ol style="list-style-type: none"> 1. Implement a net zero plan and emissions reduction target for council operations that sees significant reductions by 2030 and net zero well before 2050.
Buildings	<ol style="list-style-type: none"> 1. Update the National Construction Code so that all new buildings from 2025 are fully electric, highly energy efficient, and renewables ready. 2. Develop a national strategy for the electrification and energy efficiency improvement of Australia's existing building stock, including support for vulnerable households. 	<ol style="list-style-type: none"> 1. Mandate disclosure of a building's energy efficiency and 12 months of energy use data at sale or lease of all building types. 2. Set minimum energy efficiency standards for residential and commercial rental properties, and public housing, including existing buildings. 	<ol style="list-style-type: none"> 1. Upgrade any council-owned street lighting to efficient LED lights by 2030.
Transport	<ol style="list-style-type: none"> 1. Legislate national fuel efficiency standards in line with a target of 100% zero emissions new light vehicles sales by 2035. 2. Deliver a national transport decarbonisation strategy which prioritises active and public transport in urban areas and improves mobility access for all people. 	<ol style="list-style-type: none"> 1. Increase funding and infrastructure for active and public transport, to significantly increase active and public transport use in urban areas. 2. Electrify all public transport in urban areas by 2035 and rural public transport (eg school bus services) by 2040. 	<ol style="list-style-type: none"> 1. Improve planning and infrastructure to make walking and cycling safer and easier.
Greening	<ol style="list-style-type: none"> 1. Reform the EPBC Act to use a regional ecosystem approach to address cumulative effects of small actions instead of focusing protection and recovery efforts on a single species or community at a time. 2. Develop a national urban greening strategy to protect, increase and improve urban vegetation nationwide. 	<ol style="list-style-type: none"> 1. Strengthen requirements to increase green space and preserve existing canopy, particularly on private land and in relation to urban development or redevelopment. 2. Permit councils to introduce blanket tree protections on private land. 	<ol style="list-style-type: none"> 1. Implement blanket tree protections for existing trees on private land (pending State approval).
Waste	<ol style="list-style-type: none"> 1. Implement mandatory national packaging regulations and targets (with penalties for non-compliance) for all packaging manufactured or imported into Australia. Extend the current 2025 targets to 2030. Commit to reducing overall volumes of plastic packaging. 2. Introduce policy and regulation to reduce food waste all along the supply chain, including relaxing cosmetic standards of fresh produce and reforming use-by and best-before labelling. 	<ol style="list-style-type: none"> 1. Mandate FOGO recovery statewide for all homes and businesses by 2030. Provide adequate funding and support. 2. Fund adequate local recycling and recovery facilities, including biodigesters (anaerobic digesters) for organic waste and soft plastics recycling. 	<ol style="list-style-type: none"> 1. Rollout FOGO bins to all houses by 2025, and apartments and businesses by 2030.

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What you can do

Electricity	
EASIEST	Switch to Synergy's Midday Saver Tariff online.
GREATEST IMPACT	Install rooftop solar panels and a battery.
FREE	Once you're on the Midday Saver Tariff, use your large appliances during the day (e.g. pool pump, washing machine) to reduce your electricity bill.
POLITICAL	Ask the Federal Government to support a rebate for home battery storage and V2G EV charging.
Buildings	
EASIEST	Open your windows to capture cool sea breezes instead of turning on the air-conditioning.
GREATEST IMPACT	Get a home energy assessment and invest in energy efficiency upgrades.
FREE	Get quotes for a hot water heat pump, so that when your gas hot water system eventually needs replacing, you're ready to go electric.
POLITICAL	Contact your state representative and ask the Government to ban gas connections to new buildings and homes from 2025.
Transport	
EASIEST	Walk or cycle for short trips in your neighbourhood.
GREATEST IMPACT	Replace your petrol car with an electric car, bike or scooter.
FREE	Walk your kids to school.
POLITICAL	Contact your elected representatives at all levels of government and ask them to fund more public and active transport.
Greening	
EASIEST	Keep the trees already in your garden.
GREATEST IMPACT	Replace your lawn verge with a native verge garden.
FREE	Ask your council for a street tree if your verge does not have one.
POLITICAL	Contact your state representative and ask them to support tree protections on private land.
Waste	
EASIEST	Eat your leftovers.
GREATEST IMPACT	Avoid purchasing single-use plastics or items with lots of plastic packaging. Try reusable food storage containers and refillable or packaging-free body products.
FREE	Try buying fewer new clothes. Instead, organise a clothes swap with friends or learn how to make basic sewing repairs.
POLITICAL	Ask your local council to rollout FOGO bins if you don't yet have one.

