






The ARA Net-zero Roadmap forms a key component of the ARA Climate Action Plan. It outlines the suggested decisions, investments and actions that retailers need to make to achieve net-zero emissions by 2050. We don't have all the answers yet but hopefully this roadmap makes it easier for our members and the Australian retail sector to navigate the journey ahead.

NET-ZERO ROADMAP	NOW	2025	2030	2040	2050
SCOPE 1 TARGET	AMBITION FOR NET-ZERO EMISSIONS FROM FUEL FROM OWNED AND LEASED VEHICLES, NATURAL GAS FOR COOKING AND HEATING, AND REFRIGERANT GAS FOR REFRIGERATION AND COOLING BY 2040				
SCOPE 2 TARGET	NET-ZERO EMISSIONS FROM ELECTRICITY CONSUMPTION, WITH ALL SITES POWERED BY 100% RENEWABLES BY 2030				
SCOPE 3 TARGET	AMBITION FOR NET-ZERO EMISSIONS ALONG THE RETAIL VALUE CHAIN INCLUDING UPSTREAM (FROM SUPPLIERS) AND DOWNSTREAM (FROM CONSUMERS AND WASTE TO LANDFILL) NO LATER THAN 2050				
 <p>PATHWAY 01 DATA-DRIVEN DECISIONS Increasing the quality and quantity of emissions data and placing these insights at the heart of business decisions</p>	<ul style="list-style-type: none"> Compile all available data to establish your baseline position, set targets and then track and publicly report progress Use data to identify, scope and prioritise projects you will implement to meet your targets, and apply an internal carbon price to inform your investment decisions 	<ul style="list-style-type: none"> Invest in systems to capture and manage data from your direct emissions (Scope 1 and Scope 2) Invest in systems to capture and manage data from your indirect emissions, (Scope 3) and to improve transparency and traceability along your supply chain 			
 <p>PATHWAY 02 LOW EMISSION OPERATIONS Operating low emissions, energy efficient stores, warehouses and offices powered by 100% renewable electricity</p>	<ul style="list-style-type: none"> Invest in LED lighting and other energy efficiency measures, with a focus on control systems, lighting, air conditioning and technology (new and existing sites) Switch to renewable electricity as soon as possible - through onsite solar, buyers groups, group procurement or power purchase agreements 	<ul style="list-style-type: none"> Invest in low-impact refrigeration and low-emission technology, to reduce natural gas consumption for cooking and heating, and replace refrigerant gases used in air conditioning and refrigeration Work with partners in the waste and resource recovery sector to improve circularity, reduce waste to landfill and capture greenhouse gas emissions 	SCOPE 2 TARGET Net-zero emissions from electricity consumption, with all sites powered by renewable electricity	SCOPE 1 TARGET Net-zero direct emissions from operations, including gas for cooling and heating, cooking and refrigeration	SCOPE 3 TARGET Net-zero emissions from residual waste to landfill
 <p>PATHWAY 03 LOW CARBON LOGISTICS Making investment and procurement decisions that improve fuel efficiency and support the transition to electric and hydrogen vehicles</p>	<ul style="list-style-type: none"> Collect data for fuel used from owned and leased vehicles, and third-party logistics providers Deliver advanced fuel efficiency programs to encourage behavioural change amongst drivers 	<ul style="list-style-type: none"> Leverage investment and procurement decisions to accelerate the transition to electric and hydrogen vehicles Work with third-party logistics providers with a net-zero plan for shipping, warehousing and distribution 		SCOPE 1 TARGET Net-zero direct emissions from fuel consumption for owned and leased vehicles	SCOPE 3 TARGET Net-zero emissions from third-party shipping, warehousing and distribution
 <p>PATHWAY 04 RESPONSIBLE SOURCING Sourcing products and raw materials in a manner that minimises impact on the environment and natural resources</p>	<ul style="list-style-type: none"> Collect data and information from suppliers. Report their commitment to net-zero emissions, deforestation and low-emissions farming Increase number of products that are responsibly sourced and use systems to share more information with your customers 	<ul style="list-style-type: none"> Switch to timber, raw materials and fibres from sustainable sources Work with suppliers with a commitment to net-zero emissions, circular economy, low-emissions farming and low-impact aquaculture 	SCOPE 3 TARGET Zero deforestation		SCOPE 3 TARGET Net-zero emissions from local agricultural and aquaculture production
 <p>PATHWAY 05 SUSTAINABLE CONSUMPTION Embracing the circular economy, working with suppliers to do more with less, and helping consumers transition to low-carbon lifestyles</p>	<ul style="list-style-type: none"> Engage employees and consumers about climate change, net-zero emissions and circular economy Help your customers adopt lower-carbon lifestyles by increasing sales of plant-based foods and supporting the growth of electric vehicles 	<ul style="list-style-type: none"> Support implementation of the APCO* Sustainable Packaging Guidelines, and integrate the circular economy into design of products and packaging SCOPE 3 TARGET Mainstream adoption of sustainable packaging (as per APCO* targets) <i>*Australian Packaging Covenant Organisation</i> 	SCOPE 3 TARGET Mainstream adoption of packaging from the circular economy	SCOPE 3 TARGET Mainstream adoption of circular economy products	SCOPE 3 TARGET Mainstream adoption of net zero products

NET-ZERO EMISSIONS FROM AUSTRALIAN RETAIL