

NET ZERO ON CAMPUS | Implementing net zero on campus

Six action areas for net zero on campus

 ENERGY	 MOBILITY	 FACILITIES	 WASTE MINIMISATION AND RECYCLING	 VALUE CHAIN	 BEYOND CAMPUS OPERATION
<p>1. Reduce campus energy demand</p> <ul style="list-style-type: none">• Implementing energy conservation programs• Driving energy efficiency• Using energy management systems and smart appliances <p>2. Replace fossil fuel dependent appliances</p> <ul style="list-style-type: none">• Replacing fossil fuels with electricity for campus (electrification)• Transitioning away from gas• Future proofing for alternative fuels and technologies that are currently not commercially available or scalable <p>3. Establish campus microgrids</p> <ul style="list-style-type: none">• Building onsite renewable energy (campus or precinct microgrids)• Installing battery energy storage• Digitalisation and smart grids <p>4. Source renewable energy</p> <ul style="list-style-type: none">• Implementing renewable energy purchase agreements• Creating demand for renewable energy supply in the local grid	<p>5. Encourage sustainable commuter travel</p> <ul style="list-style-type: none">• Implementing bike-share programs with end-of-trip facilities• Lobbying for better public transport or active transport facilities to campus• Building enabling infrastructure for walking and cycling within campus• Giving incentives for sustainable travel• Reduce the need for staff and students to travel to campus (work from home / virtual attendance where feasible)• Charging for private vehicle usage on campus <p>6. Transition to a zero emissions vehicle fleet</p> <ul style="list-style-type: none">• Transitioning own fleet vehicles to electric vehicles• Building car-share policies and schemes• Enabling access to renewable energy or biofuels <p>7. Implement sustainable business travel</p> <ul style="list-style-type: none">• Encouraging virtual meetings/conferences• Encouraging public modes when available• Using airline carbon offsets as a last resort	<p>8. Replace energy intensive equipment</p> <ul style="list-style-type: none">• Upgrading Heating, Ventilation and Air Conditioning (HVAC), lighting and other energy-consuming systems• Replacing gas with electricity <p>9. Retrofit campus buildings</p> <ul style="list-style-type: none">• Installing smart HVAC systems• Building shared office and low footprint spaces for work and study• Retrofitting existing building stock to increase energy efficiency <p>10. Construct new sustainable buildings</p> <ul style="list-style-type: none">• Incorporating sustainable building practices and policies• Reusing existing buildings and materials to reduce building waste• Including green infrastructure/green spaces on campus	<p>11. Participate in a circular economy</p> <ul style="list-style-type: none">• Reviewing waste contracts• Encouraging behaviour change programs to support initiatives• Assessing and replacing single use materials <p>12. Implement material recovery on campus</p> <ul style="list-style-type: none">• Share schemes and networks for wasterecovery/donations• Composting schemes	<p>13. Implement sustainable procurement practices</p> <ul style="list-style-type: none">• Providing policies and guidelines on the procurement of environmentally friendly products that are made locally, with post-consumer recycled content, recyclable, energy efficient, and bio-based products• Influencing suppliers to reduce emissions <p>14. Purchase offsets</p> <ul style="list-style-type: none">• Using verified carbon offsets or carbon credits to offset residual emissions that can't currently be abated• Using offsets in parallel with emissions reduction initiatives without replacing opportunities for actual emissions reduction on campus	<p>15. Act as an amplifier of change</p> <ul style="list-style-type: none">• Magnifying knowledge and expertise to influence change• Acting as living labs• Testing solutions at scale on campus and in local communities• Convening and connecting key stakeholders <p>16. Engage with student bodies</p> <ul style="list-style-type: none">• Embedding student engagement in decarbonisation initiatives• Enabling student-led sustainability leadership groups• Supporting student-led initiatives and innovation on campus <p>17. Encourage net zero aligned education, research and innovation</p> <ul style="list-style-type: none">• Providing meaningful experiential learning opportunities for students• Supporting research and innovation from staff and students in the university and external contexts