

## ANU Below Zero Initiative

### Short-term cost saving & emissions reduction initiatives being considered

These could deliver win-wins in terms of reducing ANU greenhouse gas (GHG) emissions and delivering cost savings in the context of COVID-19.

	Initiative
1.	Staff consultation across the university around ideas for emissions reductions, commencing August 2020.
2.	<p>Staff engagement program around behavioural change to reduce emissions and costs e.g.:</p> <ul style="list-style-type: none"> <li>- Shutting down PC's overnight, turning off lights and shutting windows and doors</li> <li>- Considering options other than printing</li> <li>- Investigating whether equipment is available for hire or loan, rather than purchase</li> </ul> <p>Any engagement programs need to be able to engage, educate and empower individuals within areas to contribute in a meaningful way that can be measured and reported to allow for the celebration and acknowledgement of successful programs.</p>
3.	Evaluate options for rooftop solar PV and other renewable energy sources on Acton campus and other campuses.
4.	Explore options to use waste heat to heat/cool other building around campus e.g. the National Computational Infrastructure (NCI) generates significant waste heat.
5.	Reduction in heating, ventilation and air conditioning (HVAC) set points (i.e. thermostats) over cooler periods on a building by building basis, with appropriate consultation. Could also be extended to increasing HVAC set points over summer months.
6.	Review and refine the Campus Building Requirement Manual (CBRM) to align with the Acton Campus Master Plan and Acton Campus Energy Management Strategy.
7.	Optimisation of energy use in buildings with high energy consumption via energy efficiency initiatives.
8.	Hibernation of equipment not being used, including ultra-low temperature freezers, other lab equipment, and gas and electric kilns not required for teaching.
9.	Investigate emissions sources associated with research and explore low emissions alternatives.
10.	<p>Reset transport options as staff and students return to campus, including:</p> <ul style="list-style-type: none"> <li>- Education programs to encourage active transport.</li> <li>- Consider ANU car sharing program</li> <li>- Facilitating opportunities to trial electric bikes. (Salary sacrifice is already available).</li> <li>- Exploring options to reduce private car travel to campus.</li> </ul> <p>Other benefits include reduced pressure on already stretched parking capacity &amp; population health benefits.</p>

11.	Explore options for reducing business air travel, including considering alternatives to travel i.e. virtual conferences. This requires better reporting systems, setting targets and providing guidance around how to reduce air travel related emissions.
12.	Review of vehicle fleet with a view to introducing electric vehicles and the required charging, servicing and maintenance infrastructure.
13.	Develop School or College-level strategies with targets for: <ul style="list-style-type: none"><li>• Energy reduction</li><li>• Water reduction</li><li>• Waste reduction</li><li>• Increase recycling</li><li>• Fuel consumption</li><li>• Air miles – Travel</li><li>• Paper use</li></ul>