

University of Adelaide – Energy Reference Group

Terms of Reference

- Undertake and lead change around the development and implementation of energy -related initiatives to achieve the University's Strategic Plan reduction target

Steering Group

- Virginia Deegan, University of Adelaide, Infrastructure, Property and Technology
- Bill Aukett, University of Adelaide, Financial Services
- Dale Washington, University of Adelaide, Property Services
- Paul Jenkins, University of Adelaide, Property Services
- Mathew Jeffrey, University of Adelaide, Office of the Vice President
- Libby Dowling, University of Adelaide, Office of the Vice President

Action Plan

Awareness & Promotion

- Continue to update the Sustainable Adelaide web pages with relevant information pertaining to the activities of the Energy reference group.
- Participate in ongoing awareness raising and promotional activities for Sustainable Adelaide by the Office of Sustainability

Footprint Reduction

Location	Initiative	Timeframe
All Campuses	Green IT systems are currently underway to reduce energy and increase efficiency. These projects include server virtualisation, replacement of old data centre, laboratory power down, removal of screen savers and default 20min computer standby.	In-Progress
North Terrace	Building Management System (BMS) Master Plan report identified 10-20% energy reduction potential. Some recommendations are currently being implemented including V-LAN network.	In-Progress
North Terrace	Currently installation of Smart Meters is underway to gather more detailed usage data.	In-Progress
North Terrace	Building Management Master Plan was commissioned and proposed linking and coordinating building management and systems.	In-Progress
North Terrace	University is working with Knowledge Global at 10 Pulteney to develop real time energy reporting system. A pilot program is on-going.	In-Progress
All Campuses	Identify opportunities to work with G8 Universities in a consortium bid to buy energy from the generator directory and/or at a more competitive price.	Medium
All Campuses	An energy audit identified over \$1M of savings, some of which have been implemented whilst others are under consideration.	Complete – In-Progress

North Terrace	Power factor correction has improved connection efficiency and achieved compliance with SA Distribution Code. Eight identified connection points are still awaiting correction.	Complete – In-Progress
North Terrace	Room Air-Conditioners (RACs) centrally controlled between 8am – 5pm. Reference group to investigate project to replace RACs.	Complete – In-Progress
All Campuses	University joined the Federal Government’s Greenhouse Challenge in 2007 and were provided with carbon emission report and figures.	Complete
North Terrace	Electronic Metering Equipment has been installed at 41 connection points to provide usage data.	Complete
North Terrace	Movement sensing and dimming control of lighting in common teaching areas of Lower Napier building has been implemented.	Complete
North Terrace	T5 fluorescent lighting technology was successfully piloted in 2005. This technology is now standard across the University.	Complete
North Terrace	HVAC Heat Recovery System was upgraded successfully.	Complete

Ongoing Management

2007/08 Energy Usage Data (2008 baseline data currently being collected)

Campus	Energy (kWh)
North Terrace	33,390,174
Waite	6,373,070
Thebarton	3,112,714
Roseworthy	2,545,294
National Wine Centre	1,548,138
Other	1,883,233
TOTAL	48,964,964

External References