

## NATURAL RESOURCES



Canberra Airport has progressively developed and adopted the Re-NEW management principles as set out below.

Re	REUSE, REDUCE AND RECYCLE
N	Natural resources
E	Energy consumption
W	Waste and water

### REUSE

A number of buildings, materials, infrastructure and tanks have been reused or adapted for new use including:

- Water and diesel tanks relocated to other sites off and on Airport;
- 13 buildings at Fairbairn have been renovated and adapted for reuse;
- Relocation and reuse of demountable buildings;
- Old hangars relocated off Airport and used as sheds;
- Shipping containers used as covered safety walkways, during terminal construction; and
- Reuse of fill sourced from excavation of local and airport construction sites;

The reuse of these products has reduced waste to landfill, embodied energy and the consumption of natural resources.

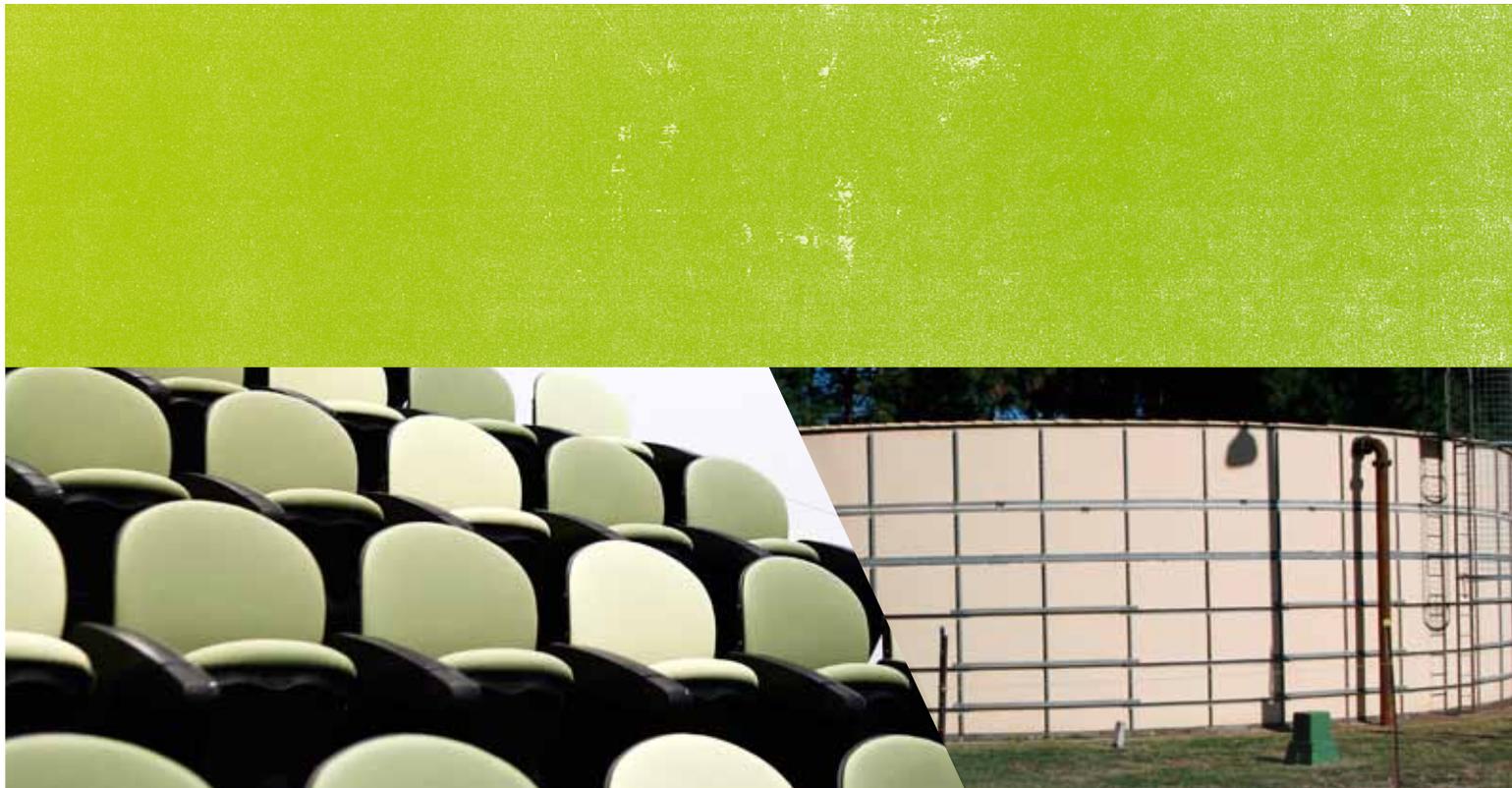
### REDUCE

Through careful planning and innovation it is possible to reduce the amount of natural resources consumed and also provide a unique working environment.

Natural resource consumption is reduced at the Airport in the following ways:

- Application of bitumen rejuvenation treatment to increase the lifecycle of asphalt roads, runways and taxiways;
- Efficient use of glass and building orientation to maximise natural light and reduce electricity consumption;
- Double glazed windows for thermal qualities to reduce heating;
- Tri-generation plants and central service buildings to reduce energy and water usage;
- Water sensitive urban design implemented, to reduce water consumption;
- Water efficient devices and cooling towers, to reduce water consumption;
- Specific assessment of quantities of construction material undertaken to minimise surplus and scrap;
- Large open floor plates, free of services and cores, allows long term flexibility including easy retrofit; and
- Public meeting rooms, tea rooms and theatrettes, reduce the tenancy space requirements.
- Providing shared facilities also has other benefits such as, reducing transport emissions and staff time commuting between meeting room and theatrette facilities. It also provides the office park with a campus style lifestyle where staff can walk and interact with others and enjoy the outdoor landscape.





## RECYCLE

Canberra Airport has introduced the twin bin system in the office park, which encourages recycling at each workstation.

Construction material is also recycled from building sites and recycled material is used in construction when possible, such as post-consumer concrete, fly ash, steel and timber.

Materials and products recycled or used on Airport include:

- Waste heat from tri-generation electricity generation is captured and used to heat buildings in winter and then cool them in summer using an absorption chiller;
- Waste water is recycled in two water recycling plants each has the potential to treat 50,000 litres of waster water per day;
- Steel, concrete and other building materials from demolished buildings reused or recycled;
- Toner cartridges collected by Toner Recycler which donates \$1 from every cartridge to the Breast Cancer Institute;
- Mobile phones recycled through Mobil Musters; and
- Fluorescent tubes 100% recycled.

Canberra Airport is continuously working on improving recycling rates including working with local recycling programs.

## WANT TO FIND OUT MORE?

Canberra Airport's Re-NEW Management Plan, Leading the Way for Natural Resource Reduction, provides more information on natural resource management, and is available from [www.canberraairport.com.au](http://www.canberraairport.com.au)