

FACT SHEET

CDF and Secretary environmental awards—IAD Branch

Infrastructure Asset Development Branch for excellent contributions to sustainable development of the Defence Estate

CDF and Secretary environmental award winner for 2008, Infrastructure Asset Development Branch (IAD) Branch, has been recognised for excellent contributions to sustainable development of the Defence estate. IAD strikes a balance between supporting ADF capability while integrating Defence's vision for minimising the environmental impact of its activities.

IAD incorporates Defence's environmental and heritage policies into its day-to-day project management practices. The nationally recognised ecologically sustainable development (ESD) strategies means better living and workplaces for Defence employees, improved energy and water conservation, and appropriate management of environmental and heritage issues at Defence facilities.

The critical element to achieving environmental outcomes during large and long-term projects is the participation and commitment of staff. IAD staff have created culture of excellence and innovation, by embracing Defence's ESD initiative and Environmental and Heritage principles, and striving to find new and better ways to reduce energy and water consumption.

In 2007–08, IAD Branch achieved several major project milestones, delivering new facilities at RAAF Bases Amberley, East Sale and Wagga, and developing facilities designs for the Hardened and Networked Army Facilities project at Edinburgh Defence Precinct and for further developments at RAAF Base Amberley. These projects help combat climate change by meeting Defence's ESD goals in key areas of the development, design principles and initiatives, water efficiency and sustainability, energy efficiency, land use and ecological design, waste management, and vehicle use.

RAAF Base Amberley Redevelopment Stage 2 project, Queensland

A key part of the RAAF Base Amberley Redevelopment Stage 2 project was the recently completed \$69.5 million facilities for the 9th Force Support Battalion at RAAF Base Amberley is an example of how the IAD is leading the way in reducing Defence's carbon footprint.

The project involved designing new office and training facilities, workshops, vehicle shelters, deployment areas and car parking, as well as fuel and vehicle wash facilities. To create a large 'green friendly' car wash, rain water is collected in drains from roofs and paved areas, filtered and stored in large under ground water tanks to be used later at the vehicle wash facility.

Other innovations that have been incorporated into the design are solar heating for showers, maximised natural light and used recycled concrete and steel on all buildings.

RAAF College Relocation project at RAAF Bases East Sale and Wagga

The RAAF College Relocation Project has relocated the Officer Training School (OTS) and No1. Recruit Training Unit (1RTU) from the aging and deficient facilities at RAAF Base Williams (Point Cook) and RAAF Base Edinburgh respectively, to new facilities at RAAF Bases East Sale and Wagga. At an estimated cost of \$133.4 million, the project was completed in December 2007. The purpose-built facilities meet Defence ESD performance targets and the RAAF College design achieved a 4.5 star ABGR rating.

RAAF Base East Sale is a significant training establishment, serving as the main postgraduate flying training centre of the RAAF since 1945. The base supports the Central Flying School, the School of Air Warfare and the School of Air Traffic Control. At RAAF Base East Sale, the project provided new working and living accommodation facilities for OTS, a base combined mess, and infrastructure with facilities now capable of supporting the training of more than 1030 service personnel each year.

RAAF Base Wagga is recognised as an important centre for technical training of airmen and airwomen. The base supports the Headquarters RAAF College, RAAF School of Technical Training, School of Administration and Logistics Training and School of Postgraduate Studies.. At RAAF Base Wagga, the project has given 1RTU new working and living accommodation with the facilities capable of supporting more than 1765 personnel in training each year.

Hardened and Networked Army Facilities project, Edinburgh Defence Precinct, South Australia

The Hardened and Networked Army (HNA) initiative strengthens the Army's protection, mobility, firepower and communications, allowing it to operate in more complex, dangerous and uncertain environments. At an estimated cost of \$623.68 million, this project will provide facilities and infrastructure, including health, mess, fitness and community facilities.

The facilities at Edinburgh Defence Precinct are the main element of the HNA initiative. The project has set benchmarks for the Defence Estate in its approach to managing sustainability and emissions throughout design and development of this facility. All the buildings in the HNA project will have a sound and consistent approach to ESD and are designed to be consistent with a 4 star Green Star Rating or equivalent. IAD has also incorporated an innovative world-class water capture and reuse design solution into this project.

RAAF Base Amberley Redevelopment Stage 3 project, Queensland

The Stage 3 redevelopment works at RAAF Base Amberley will deliver new and upgraded facilities and infrastructure. The development incorporates a significant number of strategies to minimise energy and water consumption.

All new building designs for Stage 3 will use a variety of concepts to minimise the energy needed for heating and cooling, including orientation, solar access, natural air or mixed-mode ventilation strategies, independently controlled internal building zoning for heating, cooling and lighting, low energy lighting, occupancy sensors and energy-efficient appliances.

IAD Branch has incorporated world-class water capture and reuse initiatives into this project. Significant emphasis has been placed on minimising potable water use. Virtually all buildings will be fitted with rainwater tanks to capture roof run-off and reduce reliance on potable water. In addition, a series of substantial water capture tanks will be installed underground to capture stormwater runoff from ovals, car parks and other relevant areas.