

## Campus libraries

In response to student feedback, our two campus libraries were upgraded this year to increase seating and expand the number of group study areas.

We also continued to expand the library collection to support the University's teaching, learning and research. We acquired almost 100,000 new ebooks and major online collections such as the pharmaceutical database Embase and engineering resource SAE Digital Library. Special collections were also developed with the acquisition of student works showcasing the talents of our design students and a new special collection room to showcase the library's Norman Lindsay Collection.

Preparations are taking place for the implementation of the library retrieval system (LRS), which will house low-use print collections. Under the CMP, the library will be relocated to the centre of the City campus, while the LRS will be installed under the Alumni Green.

Following the successful implementation of radio-frequency identification (RFID) tags into the library's collection, which enhanced self-service transactions for library users, a project to further develop the potential of RFID to streamline client transactions and collection management processes commenced in late 2012.

## Our commitment to sustainability

With the CMP well underway UTS Sustainability continued to ensure that sustainability principles were integrated into the planning, design and construction phases of the buildings and associated infrastructure. Advice on energy efficiency, water conservation, resource recycling, sustainable material selection, sustainable transport, improved biodiversity, enhanced indoor environment quality and sustainable procurement of goods and services was provided to all project teams.

The CMP has provided UTS with the opportunity to achieve sustainable learning outcomes through environmental design. The new Broadway Building will function as a 'living lab' with several technologies being installed for teaching, learning and research purposes, including renewable technologies on the roof (photovoltaics and wind turbines) and the Institute for Sustainable Futures' innovative phosphorous recovery system. The Dr Chau Chak Wing, Broadway and Thomas Street buildings are all targeting certified 5 Star Green Star ratings under the Green Building Council of Australia's Green Star Education v1 tool, which represents Australian excellence in sustainable education facilities.

The graph on the following page outlines UTS's energy and water consumption from 1999 to 2012 against changes in floor area and equivalent full-time student load (EFTSL). The University continued to focus on technological innovations and improved management practices, however, increases in EFTSL (7.9 per cent) and floor area (4.1 per cent) due to the CMP resulted in an increase in energy and water consumption for 2012. Despite this, UTS managed to achieve ongoing reductions in energy and water use compared to the 2007 baseline as follows:

- > 1.5 per cent reduction in electricity consumption
- > 0.2 per cent reduction in gas consumption
- > 12.6 per cent reduction in water consumption.

UTS has made a commitment to achieve an 11 per cent reduction in greenhouse gas emissions based on 2007 levels by 2012–13 and a 30 per cent reduction on 2007 levels by 2020–21.

### UTS Library high-level performance indicators

	2011	2012
<b>Facilitate discovery and access to scholarly information</b>		
1. High use material usage (items/student EFTSL <sup>1</sup> )	31.6	31.1
2. Journals cited by UTS scholars in the UTS Library collection (% sampled via Scopus)	92.8	91.1
<b>Develop information-related capabilities</b>		
3. Use of online information literacy tools (page views/student EFTSL <sup>1</sup> )	20.2	22.9
4. Participation in information development programs (% total of student EFTSL <sup>1</sup> )	88.9	79.4
<b>Promote learning via provision of physical and digital environments</b>		
5. Visits to UTS Library website (average page views/month)	295,371	237,005
6. Use of library digital spaces (average time spent on UTS Library site per visit in minutes)	2.1	2.29
<b>Enable scholarship</b>		
7. Research consultation assistance to academic staff (% of staff population)	37.5	57
8. Ranking of UTSeScholarship (Webometrics world ranking at January 2013)	139 Top 11%	141 Top 10%
9. Visits to UTSePress open access journals (average page views/month)	30,675	30,647
10. UTSePress research collection (scholarly work items)	17,426	20,280
<b>Develop the library of the future</b>		
11. Progress against schedule (weeks ahead [+] or behind [-] at end of year)	-4	0

The UTS Library aims to provide excellent service focusing on access for students and staff to the broadest range of scholarly material, and assisting them to develop their research and information management capabilities.

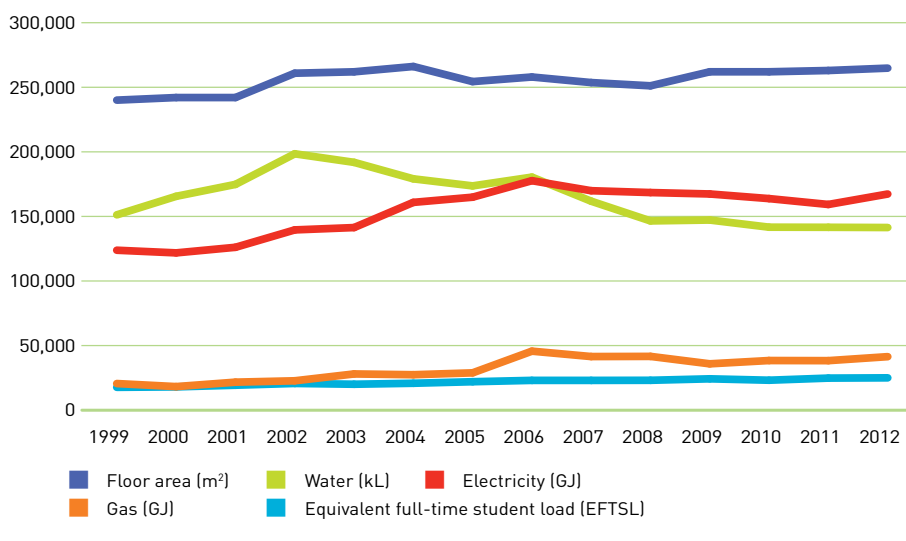
The 2012 high-level performance indicators show continuing high-demand use of library resources, including materials usage (average of items accessed) per student and online visits to the library's website. Library information literacy tools and capability development programs have maintained their popularity among students, researchers and staff.

The value of the library's scholarly resources remains high as shown by the journals held by the library, the high proportion of references to them cited by UTS scholars and the expansion of our UTSePress research collection. Through UTSePress we are also the leading Australian university publisher of open access journals, adding another journal during the year and maintaining a significantly high level of online access to our 15 journals. UTSeScholarship — the flagship electronic window into UTS research — achieved an international top 10 per cent ranking among library-based centres providing electronic resources for scholars.

Progress towards the new library, scheduled to open in 2017, has continued, with several major steps completed in 2012. Site excavation under Alumni Green was completed, a provider of the automated library retrieval system (LRS) was engaged and the detailed design of the LRS was largely completed. On completion, the state-of-the-art LRS will house up to 75 per cent of the library's low-use print materials underground and provide those materials on-call to the adjacent future UTS Library building.

1. Equivalent full-time student load.

### Utilities consumption 1999–2012



In order to achieve the 11 per cent target UTS has allocated \$9 million over three years to improve the energy efficiency of existing buildings. These works include the installation of efficient light fittings and heating; ventilation and air-conditioning equipment and associated controls; additional electricity, gas, water and thermal meters; as well as modifications to building management systems and a comprehensive retro-commissioning program (which is due to be completed in May 2013).

In order to achieve the 30 per cent target UTS is investigating the installation of a precinct gas-fired trigeneration system that will reduce greenhouse gas emissions by around two-thirds.

To monitor progress this year, UTS produced quarterly utility reports and publicly reported on its greenhouse gas emissions under the National Greenhouse and Energy Reporting scheme.

In accordance with the New South Wales Waste Reduction and Purchasing Policy, the University continued to improve waste management and recycling practices; endeavouring to reduce waste to landfill, improve construction and demolition of material recycling and increase the sustainable procurement of office products and equipment.

In 2012 UTS joined online carpool scheme Jayride. This scheme helped to connect drivers and potential passengers to travel to the University together, thus saving money, reducing congestion and associated emissions and reducing UTS's environmental footprint.

Also this year, the University's Information Technology Department (ITD) introduced Greentrac; a software tool with the capability to measure, monitor and limit the power usage of our desktop and notebook computers. ITD undertook a baseline data-capture exercise and began to roll out power-saving policies. This initiative will contribute to significant greenhouse gas emission savings and is estimated to save over \$150,000 a year. The savings in energy are the equivalent of taking 126 cars off the road, powering 80 homes or planting around 16,000 trees.

### Our sustainable community

2012 saw an increase in sustainability activities within the UTS community. UTS Sustainability worked with groups on campus (such as the UTS Union, UTS Library, Students' Association and Student Environment Collective) to run or support a number of events throughout the year, including Earth Hour, Fair Trade Fortnight, Threatened Species Day and World Green Building Week.

To promote sustainability awareness on campus, UTS: Green stalls were set up for O-week and staff inductions and UTS Sustainability participated in a student forum on fair trade and bottled water. Updates to the UTS: Green website, including more video content, were made in 2012, with the enhanced website due to go live mid-2013; and other communications continued including a monthly e-newsletter and regular updates to the UTS: Green Facebook page.



The Students' Association clothes swap during UTS's Green Week.

PHOTO: UTS GREEN



ARTIST'S IMPRESSION: ASPECT STUDIOS

ASPECT Studios won an open competition for the design for Alumni Green. Under their design, Alumni Green will be transformed into a vibrant, tree-lined space at the heart of UTS. It will have three distinct zones — the Green, the Heart and the Garden — each with its own character and features.

The revitalised Alumni Green will re-open in the latter half of 2014.

UTS Sustainability also collaborated with our precinct neighbours — TAFE NSW Ultimo campus, the Powerhouse Museum and the Australian Broadcasting Corporation — to run activities for the Ultimo Science Festival 2012 and Green Week. Green Week, celebrating World Environment Day, included a recycled fashion show, clothes swap, photography exhibition and competition, film screenings, green economy debate and guest speakers.

The UTS Green Hero Award, announced at Green Week, was awarded to staff member Chris Dunstan for his contribution to sustainability at UTS and the wider community.

In addition to our participation on the City of Sydney's Better Buildings Partnership's leadership panel and membership of the Green Building Council of Australia, in 2012 UTS became a foundation sponsor of the Living Future Institute Australia and hosted two public lectures by visiting international sustainability experts.

In 2013, UTS Sustainability will focus on the implementation of behavioural change programs to further encourage sustainable practices among staff and students. And, following on from the UTS Sustainability Strategy 2012–2015, the action plans for carbon management, water efficiency, resource management and sustainable transport will be developed.

## Web roadmap

The web roadmap — the University's multi-year project to redevelop its online presence — continued in 2012. The aim of the project is to deliver a refreshed public website for prospective students and the external community; an intranet for UTS staff and collaborators; and a new portal for current students.

The focus this year was on the public website. As part of the content migration process for the new public website, a series of drop-in sessions was held to support content owners. These sessions took place fortnightly and were designed to update content owners on the latest developments and provide support throughout the content migration process.

A design sub-committee was established to provide recommendations on the visual design of the website. As a result, the new homepage underwent a redesign to produce a simple and uncluttered homepage with prominent placement of UTS branding. A draft approach to the visual design of faculty pages was drafted and will be implemented in 2013.

The new public website will be launched in 2013.

## Broadway Building project: Crane incident on Lend Lease construction site

On 27 November 2012 a crane on the Lend Lease construction site caught fire and the boom collapsed falling in the direction of Wattle Street.

There were no injuries and all UTS staff and students in the nearest building, Building 10, were successfully evacuated following UTS protocol. The site and surrounds were immediately secured.

Shortly after, emergency services (the NSW police, and fire and rescue) and WorkCover NSW gave UTS the all clear to re-open Building 10 and resume operations.

The damaged crane boom and existing jump form (onto which the crane collapsed) were removed and the site was fully assessed by the relevant authorities before being declared safe.

NSW Police handed site management control back to Lend Lease on 12 December.

Investigations into the fire and collapse of the crane's boom were launched, with Lend Lease assisting WorkCover and other relevant authorities with these investigations.