



# STOCKLAND TAKE EVERY STEP WITH WATER CONSERVATION

Stockland shopping centre achieves maximum water savings at Wetherill Park

## CASE STUDY



The project was supported by the NSW Government's Water Savings Fund

**STOCKLAND**  
**WETHERILL**  
**PARK**  
NEW SOUTH WALES

"Energy Conservation Systems carried out a water efficiency project for Stockland on our shopping centre at Wetherill Park. They identified the detailed scope, costed the work, evaluated the savings and obtained a grant from the NSW Water Savings Fund on our behalf. They then managed the design and installation process, which included a major rainwater tank. We were very happy with the project and with the results, and we found the assistance of Energy Conservation Systems invaluable."

Michael Beckwith, National Manager Operations & Facilities, Stockland Commercial Property

One of Australia's largest property developers, Stockland has installed a variety of water efficient measures at one of its major shopping centres in South-Western Sydney.

A water conservation project commenced at Stockland Wetherill Park through a systematic and structured approach that included increased monitoring, flow reduction, rainwater harvesting and reuse.

Stockland recognises that the concepts of responsibility and sustainability are closely linked. Corporate responsibility means doing the right thing by its stakeholders and the environment.

Incorporated into these principles was a concerted effort to achieve reduction of potable water demand, minimisation of wastewater generation and management of storm water quality and flow.

### KEY OUTCOMES

WATER SAVINGS

**12,000 KILOLITRES PER ANNUM**

OLYMPIC SWIMMING POOLS EQUIVALENT

**SIX**

### KEY SOLUTIONS

- RAINWATER HARVESTING
- WATERLESS WOK
- OPTIMISATION OF COOLING TOWERS
- WATER MONITORING PROGRAM TO ASSIST IN EARLY LEAK DETECTION AND REPAIR, AND QUANTIFYING WATER SAVINGS
- FLOW REDUCTION THROUGH TAPWARE AND BATHROOM FIXTURES



# Lessons & Outcomes



“The Centre is now fitted with a rainwater tank, waterless wok, low flow hand nozzles, hundreds of flow regulators and an extensive water consumption monitoring program, achieving significant water savings throughout the site.”

Front Image | Stockland shopping centre, Wetherill Park  
1 | Stockland shopping centre, Wetherill Park  
2 | Low Flow Taps used in bathrooms  
3 | Waterless wok  
4 | Water Tank, located in the car park

### Scope of Works

In collaboration with Stockland, ECS prepared an application to the NSW Government’s Water Saving Fund to install water conservation measures at the Stockland Wetherill Park, located in South-Western Sydney.

The large single-level retail outlet is home to over 120 specialty stores, with the inclusion of several major brand retailers.

The application to the Water Savings Fund was successful, and consequently, ECS was engaged to carry out the work, supported by the NSW Government’s Water Savings Fund.

### Water Conservation Measures

The centre now enjoys the advantage of the latest water conservation measures including rainwater harvesting and reuse through a cooling tower, a waterless wok, optimisation of cooling tower operations and low-flow tapware through the centre’s bathroom fixtures and food preparation outlets.

These features, along with water efficient hand nozzles in food preparation outlets, low-flow toilet cisterns, waterless urinals and a monitoring program to assist in early leak detection and water consumption patterns, have all contributed to the success of the Stockland shopping centre water saving initiative.

### Overall Water Savings

Significant water savings have been achieved throughout the site.

The site’s total water consumption has declined 20%, from baseline consumption.

As expected, different water savings are achieved through various areas.

The largest water savings were achieved across Stockland’s operational areas, including amenities (22%) and cooling towers (20%).

The largest water savings across the tenant portfolio were achieved at the food court (40%), followed by the cinemas (20%).

Since the installation of these conservation measures, the site’s total water consumption has been reduced by more than 20% from its baseline consumption.