

Project Summary – Water

PROJECT NAME: Werrington TAFE

LOCATION: Sydney, Australia

DEVELOPER/CLIENT: Western Sydney Institute of TAFE.

CONTACTS: Hudson Sweeting, NSW Department of Public Works and Services

DATE COMPLETED: February 1998

PROJECT SIZE: Tafe College.

Before recommendations were implemented the college used 259kL/day at a cost of \$144,800/annum.

PROJECT DESCRIPTION: Investigate water usage and related cost. Determine proportion of water used in amenities, irrigation and the quantity lost in leakage.

The project involved analysis of water bills and monitoring of master meters and sub-meters located on the Werrington Campus. Irrigation usage was reviewed by comparing diary entries with water usage profiles from the main meter.

ESTIMATED SAVINGS

FROM ENVIRONMENTAL DESIGN:

The monitoring system identified that water bills were incorrect. Water quantity charged was reduced from 259kL/day to ~71 kL/day. This reduced the water bill from \$144,800/annum to \$40,800 /annum.

Further savings could be achieved by implementing the suggested changes in fixtures. It appears that significant leakage through fixtures is still occurring and water usage could be reduced to less than 50kL/day.

NOTABLE

ENVIRONMENTAL DESIGN:

Installation of continuous water monitoring system for use by Campus Staff and also for remote monitoring at the NSW Department of Public Works and Services office.