



## Fire Sprinkler Program - Case Study

# Simple solutions to deliver 3.7 million litres of water savings for DEXUS Property Group

With a commitment to Corporate Responsibility and Sustainability, DEXUS joined South East Water's Fire Sprinkler Program in August 2009 and has already achieved significant water savings. DEXUS also hopes to achieve an impressive 82 per cent reduction in the water used during fire sprinkler testing at its property in Dandenong occupied by Fantech.

As part of the Fire Sprinkler Program, a fire service engineer from South East Water initially carried out a detailed assessment of the Fantech facility's fire sprinkler system. The assessment reported that **4.5 million litres** of water was used each year during fire sprinkler system testing. It also identified that simple adjustments of the system's pressure relief valves could result in savings of **1.4 million litres** of water annually.

Water saving solutions don't stop there. By simply switching to a maintenance regime that allows for sprinkler systems to be tested monthly instead of weekly, it was estimated that a further **2.3 million litres** of water will be saved each year. That's a total saving of **3.7 million litres** annually!

The modified fire sprinkler system remains fully compliant with system performance requirements under Australian Standards.

The Fire Sprinkler Program Manager said that the work carried out is a fantastic example of how small changes can have a large and impressive environmental impact.

"The water saving solutions for the Fantech facility were cost effective and simple to implement, yet produced incredible water savings. By participating in the Fire Sprinkler Program, DEXUS has shown a proactive approach to water conservation, which we hope to expand throughout the wider building community."

### Solutions

- Adjust pressure relief valves.
- Switch from weekly testing to monthly testing.

### Water saving result

- An anticipated 82 per cent reduction in water used annually (4.5 million litres down to 800,000 litres).

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