

Southbank Towers



Test water is recirculated through the newly installed tanks.

Southbank Towers now saves 1.98 million litres of water annually

Southbank Towers was one of the first to use South East Water's Fire Sprinkler Program and now saves approximately **1.98 million litres** of water per year. That's a 99 per cent water saving.

Through the Fire Sprinkler Program, South East Water partnered with MICM and Southbank Towers Owners Corporation to achieve the best water efficiency possible. Southbank Towers Owners Corporation's financial contribution and participation made these significant water savings an achievable reality.

The incredible **99 per cent reduction** in weekly fire sprinkler system testing water was achieved by reviewing current testing practices and identifying and providing water saving solutions.

At Southbank Towers, water saving solutions included the installation of new pressure reducing valves and adjustments to existing pressure relief valves to reduce the volume of water discharged. Two 1,000 litre tanks were also installed to capture and continuously recirculate test water. All these initiatives have enabled Southbank Towers to make a significant contribution to the preservation of Melbourne's drinking water resources.

South East Water also fitted a Magflow meter to record the actual water used during tests at Southbank Towers. The meter was fitted with 'HydroShare', a real-time web based data logging system which also enables the remote monitoring of water to detect any leaks.

To complete the solution, South East Water made pipe work alterations to collect the fire sprinkler system's annual test water and transported the water for reuse in local parks and sporting facilities.

According to the Fire Sprinkler Program Manager; "South East Water's Fire Sprinkler Program was pioneered to conserve water by working with customers to reduce the amount of drinking water used during testing and to find viable alternatives for reusing the water.

For what is a relatively simple process of identifying areas of improvement and offering sustainable solutions, the program produces substantial environmental benefits. Southbank Towers is a perfect example of how this program can make a real difference to our customers and Melbourne's precious drinking water storages".

What Southbank Towers did:

- Installed new pressure reducing valves.
- Adjusted pressure relief valves.
- Installed 2 x 1,000 litre recirculation water tanks.
- Installed Jacking Pump.
- Transported annual test water off site.

Water saving result

- 99 per cent reduction in water use annually (approximately 2 million litres down to 12,000 litres).
- Water transported off site for reuse in sporting grounds and parks within the local community.



Endorsed by

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