

Water Efficiency

Woking Borough Council has implemented a range of water conservation and efficiency measures run in conjunction with the energy efficiency programme reducing its water consumption by 43.3% between 1991 - 2000.



Water Consumption Savings	261,957,000 Litres	43.3% Saving
Savings in Water Budgets	£121,317	11.3% Saving

Although the Council has implemented various water efficiency/conservation technologies in its own buildings, including cistern dams, tap regulators, flow controls, waterless urinals, water recycling, leak detection, etc., this has only just kept ahead of the substantial increases in water prices since 1990/91 (the base year). However, financial savings as well as water savings have still been achieved.

Waterless Urinals

Conventional urinals use an automatic flushing system using expensively produced potable or drinking water. Each urinal uses 9 litres of water per flush and flushes 4 times per hour consuming 25,000 litres of water a month. This water cannot properly treat the malodour connected with urinals which is caused by bacteria that grow in the salts deposited from water and causes scale build up which requires regular treatment and maintenance.

Waterless urinals use a low cost replaceable fragrant bactericidal detergent rod, pad or cartridge, which is replaced as part of the normal cleaning regime instead of using water for flushing. 100% savings in water consumption is achieved as well as savings in scale treatment and pipe maintenance. Waterless urinals are installed in the Civic Offices, Leisure Centre and various other Council buildings.



Pool In The Park - Pool Water Recirculation

Conventional swimming pools chemically treat and heat mains water, circulate the treated water in the pool and then backwash the water to the sewerage drains. Backwashing is necessary to remove contaminants and can be performed several times a day depending on the number of people using the pool.

In Woking's Pool in the Park 50% of the cooling water is returned back to the break tank and 50% back to the balance tank instead of automatically backwashing to drain. The recovered water is then diluted with the incoming mains water and treated and heated again to the water quality requirements of the swimming pool.

Water Conservation in the Private Sector

In addition to the various water efficiency/conservation technologies installed in its own buildings the Council has sold 1,540 subsidised home water butts to the Borough's residents.

Woking Park Fuel Cell CHP – Water Recovery

When Woking Park's – Fuel Cell CHP scheme is completed, approximately 633,000 litres of 100% pure water will be generated every year as the clean exhaust of the fuel cell CHP.