

## The Crawley Saving Water Project



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## The Weir Wood Reservoir

- In a normal February it would be **93% full**
- In February 2006 it was only **36% full**



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## Crawley – An Economic Hub

- The hub of one of the most dynamic economies in the country.
- A thriving local economy that is widely considered to be the driver of West Sussex economic growth.
- A growing town of over 100,000 people with a significant population rise during commercial hours.
- Crawley Council have already begun taking measures.

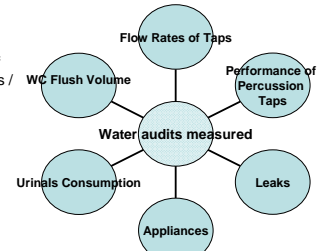


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## Water Audits 40 Pubs, Clubs and Restaurants

➤ Detailed water audits were undertaken to ascertain:

- Overall consumption (Size of business / customer numbers / opening hours)
- Areas of unnecessary waste
- Attitude to water saving
- Potential savings



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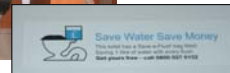
## On Site Water Savings

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## Fitting WC Water Savers

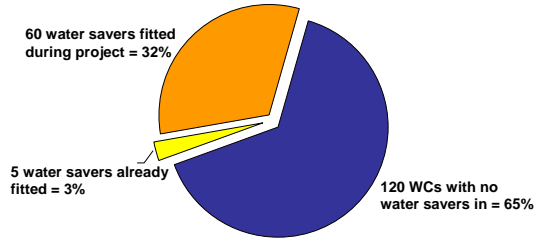


- 1 litre saving per flush
- = 11% saving in 9 litre WC
- = 13% saving in 7.5 litre WC



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## Water Savers fitted in Crawley WC's

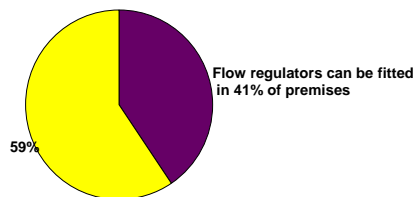


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## Percentage of premises well suited to flow-regulated taps



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## Leaking Taps

*An example from a pub*

- Leaking at 1litre/min for 2-3 months  
= Wasting over 10,000 litres per week
- Rectifying this saved wasted water as well as around £12.50 a week in costs

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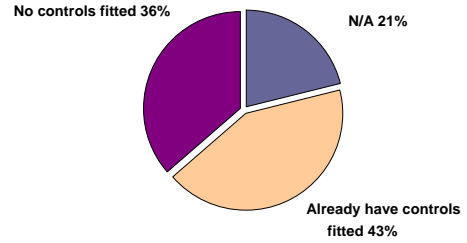
## Urinal Controls



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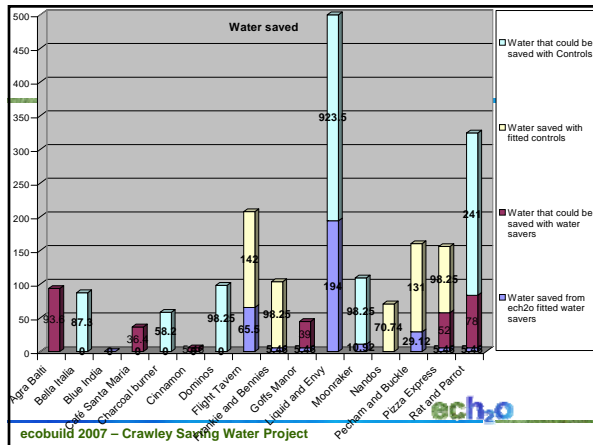
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## Potential for retrofit of urinal controls

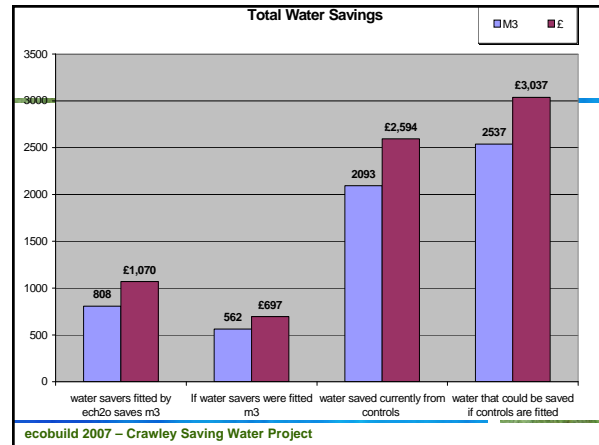


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## Projected CO<sub>2</sub> Savings

- Potentially 4,000m<sup>3</sup> of water saved
- = 4,800 KWh of electrical energy saved
- = 2,160kg of CO<sub>2</sub> saved

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## Data Logging

- 20% of premises will be monitored so that the project has solid quantifiable data of the savings that can be achieved from various measures.
- The final objective of the project will give clear evidence to SEEDA of the proportional benefits of low cost and no cost measures within these types of premises.
- The information will be applicable to other business types, for example hotels.
- Extrapolating this data will demonstrate potential savings in other areas of the South-East.

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ech,o is an environmental consultancy offering design advice and seminars on all aspects of sustainable water use, low carbon energy systems and environmental choice of materials. Clients include private individuals, community groups, architects, engineers, developers, schools, FE colleges, universities, Housing Associations and Local Authorities.

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