

“Where will our knowledge take you?”

Water Efficiency Auditing

The Basics

Water is becoming an increasingly scarce and precious commodity in Australia, with changes in living patterns and climate uncertainty and legislation leading to improved demand management and the efficient use of water by the end user. Add to this the steadily rising cost of water, the effect that water use can have on energy use and carbon footprints and the political sensitivity in areas of low storage – water efficiency is moving from a hot topic to an important management component for any business.

Water efficiency auditing is an integral component to determining how water is being used and lost, and provides solutions on how to use water more efficiently. The outcome of a comprehensive water audit typically provides a ‘win-win’ result, major cost savings and utilising previously wasted water resources.

BMT WBM offers a multidisciplinary team with skills in water efficiency auditing and demand management strategies gained through from undertaking more than 100 water audits of commercial sites, providing industry training in demand management, and conducting industry leading research into new water use areas.

Our qualified staff have been involved with numerous projects which have resulted in a reduction in water use by an average of 40%. In some instances, with a combination of efficiency improvements, leak repairs and using non-potable supplies, savings of over 80% have been achieved. The key to our ability to deliver these outcomes is a dedication to developing innovative solutions and an excellent relationship with each client.

Capabilities – An overview

Our staff have been involved with numerous water efficiency audits for a range of clients. Our water efficiency audits involve:

- Preparing a comprehensive water balance;
- Identifying leakage and inefficient usage;
- Assessing options for water efficiency improvement based on water savings and return on investment; and
- Concept design of efficiency solutions.

In our water efficiency audits, BMT WBM utilise leading edge technology including remote data loggers installed on the mains water meter and any sub-meters to identify actual real time water use via a secure web server. This "smart" metering is the only way to properly identify leakage and accurately account for water usage throughout the site.

BMT WBM has developed a web-based water flow monitoring and presentation system which allows for affordable, accurate and fast monitoring of water flow which is accessible to any user, anywhere. The web-based data analysis features can be tailored to suit the application, as well as integrated with an existing building management system, and the data can be exported to other analysis software. The smart metering also allows quantification and proof of real-world water savings.



Our staff have experience in water efficiency auditing for variety of different sites including, but not limited to:

- Pools;
- Parks;
- Public facilities;
- Hotels;
- Breweries and Wineries;
- Office Buildings;
- Sporting Facilities; and
- Council Buildings.



BMT WBM Brisbane
Level 11, 490 Upper Edward Street, Brisbane, 4000
PO Box 203, Spring Hill, QLD. 4004
Tel: +61 7 3831 6744, Fax: + 61 7 3832 3627
Email: wbm@wbmpl.com.au

www.bmtwbm.com.au

