

MANUFACTURING

With a little inspiration and innovation, there are many opportunities to reduce water consumption in heavy manufacturing operations, without reducing production.



How to get started

The first step is to conduct a water audit of your site. This may involve:

- installing sub-meters and data loggers to track real-time use
- undertaking a water balance of the site
- completing a detailed inventory of existing plant, equipment and plumbing
- reviewing operational procedures
- detailing opportunities to reduce water consumption on site.

Contact us to find out more about our Large Customer Audit Program.

The next step is to develop a standard reporting procedure for water issues. This should include:

- total water use over a defined period (week, month, quarter)
- water use performance of major plant and processes
- a comparison to previous water use patterns and identified goals
- issues that need addressing (such as leaks), and responsibilities for actions.





Educating staff

- Establish a water conservation education program that encourages all staff to use water sparingly.
- Engage all levels of staff in brainstorming and developing water saving initiatives.
- Consider holding water efficiency awards to encourage staff to get involved. This is also a good way to collect and develop water saving ideas.

Leaks

- Use real-time monitoring of water meters including alarms and reports to identify leaks early.
- Replace worn seals on water pipes.
- Monitor wash tanks and storage tanks to ensure they do not overflow.
- Ensure all taps are turned off when not in use.

On the production line

- Adjust flow rates to the minimum required for the operation.
- Make sure water sprayers and jets turn off when the production line halts or ceases. Use timers or motion sensors to do this.
- Install high pressure, water efficient spray jets.
- Install flow restrictors and regulators where appropriate.
- Use pedals and timers to deliver water only when needed.
- Use fogging nozzles to cool products.
- Regularly inspect nozzles for clogging.

Saving water in business

Visit hunterwater.com.au/savewater for more water saving tips for your business



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