

CASE STUDY

LIGHT INDUSTRY

WESLEY LINEN SERVICES



Supplying clean tablecloths, bedsheets and towels takes a lot of power and water. However, local Brisbane industrial laundry Wesley Linen Services has made huge savings by increasing eco-efficiency.

Hospitals, care homes and restaurants go through many reusable consumables. Often, this laundry is managed in-house. However, outsourcing to dedicated companies like Wesley Linen Services can mean a better solution all-round.

IN HOT WATER

Based in Darra, on Brisbane's south-west, and servicing many hospitality, health and aged care facilities across the wider city, Wesley Linen Services uses a lot of water. As a major input, the company wanted to use the resource better.

RECLAIM AND REUSE

Under ecoBiz, Wesley Linen Services launched a project and received a rebate to install an AquaRecycle water recycling system. This system captures and recycles not only wastewater but also reuses the waste heat generated in the washing process. Along with the AquaRecycle system, Wesley Linen Services took the step of upgrading its washing machines to be more water-efficient. These measures enabled the business to recycle 65 per cent of wash-water. It meant water consumption per kilo washed dropped from 12.6 litres to just 6.5 litres.

SPOTLESS RESULTS

Since shifting to state-of-the-art washing equipment and recycling practices several years ago, Wesley Linen Services is reporting massive savings. For example, potable water usage has been slashed nearly 60 per cent.

WESLEY LINEN SERVICES

A commercial laundry and linen company servicing health care, aged care and hospitality companies.

ECOBIZ OBJECTIVE

- Reduce water consumption.

ACTION PLAN HIGHLIGHTS

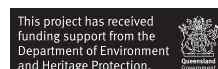
- Installing an AquaRecycle system to reuse wastewater and capitalise on otherwise wasted heat.
- Upgrading washing machines to more water-efficient models.

ANNUAL SAVINGS

- Energy use decreased by 7,549,242 MJ (down 36 per cent): the equivalent amount of power used by 138 Queensland homes.
- Greenhouse gas output dropped 847.07 tonnes CO₂-e, a 36 per cent drop: the same output as 212 cars.
- Potable water use is down 59 per cent. Each year, the amount saved is enough to fill 43 Olympic-sized swimming pools – more than 100 million litres.
- Waste disposal has decreased by 839 cubic metres. This 46 per cent drop represents the capacity of 3,496 wheelie bins.
- Each year, the total savings through increased efficiency are \$379,394.

THE ECOBIZ TEAM IS ALWAYS AVAILABLE TO HELP YOU.

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