

# Benefits



## Environmental Benefits

### Reduce waste to landfill by 500,000 tonnes a year

The Western Sydney Energy and Resource Recovery Centre (WSERRC) will divert up to 500,000 tonnes of waste that cannot be recycled from landfill each year and create enough electricity to power more than 79,000 homes.

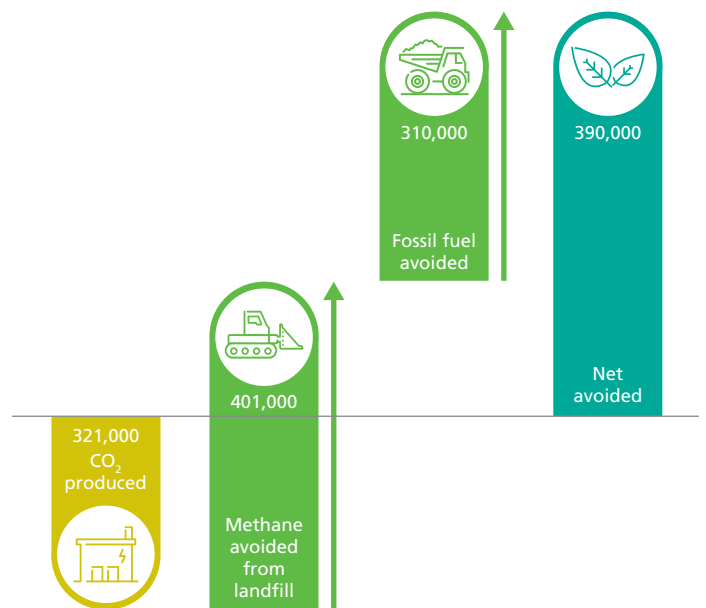
### Reduce climate change gas emissions

While EfW does release CO<sub>2</sub>, WSERRC will result in a net reduction of climate change gases emitted equivalent to more than 390,000 tonnes of CO<sub>2</sub> each year – this is the same as 85,000 cars off our roads!

This reduction is achieved in two ways:

1. The reduction of methane generated from waste disposed of in landfill. Methane is at least 25x worse for climate change than CO<sub>2</sub>, so avoiding it has a significant environmental benefit.
2. WSERRC will generate baseload electricity, which will displace CO<sub>2</sub> released through fossil fuel-based electricity generation.

ANNUAL CO<sub>2</sub>E BENEFIT OF EFW (TPA)



## Economic Benefits

### Stimulate the Western Sydney Economy

The investment in the construction of the project will be in excess of \$500m, boosting the economy of Western Sydney, providing a significant boost in economic activity in the post COVID-19 environment.

### Create local jobs

If approved, the WSERRC will create approximately 900 direct and 700-1200 indirect jobs during the 3-year construction of the facility and will support 50 long-term operational roles to run the facility once constructed. Additional jobs will be created through associated infrastructure such as waste pre-treatment, ash management and an organics processing facility.

### Reducing the cost of waste management

Energy-from-waste provides a lower cost waste management alternative to landfill, providing financial savings to Councils that could be passed on to residents.



## Social Benefits

### Investing back into the community

WSERRC will establish a community investment fund. It is important to the project that the Community Investment Fund is available to support initiatives across Western Sydney. It is also crucial that the fund be administered to the community, by the community. For this reason, it is likely that the fund will be administered by the dedicated Community Reference Group on behalf of the WSERRC.

The funding will be available for community initiatives that contribute to:

- Environmental projects, including tree planting, heat reduction, waterway revitalisation, and the connectivity of green spaces.
- Sporting infrastructure, including upgrades to facilities e.g. lighting at women's sporting facilities.
- Community recreation including projects that benefit recreational spaces.

The WSERRC will be constructing, as part of the facility, a world class experience through a visitor and education centre, where the community can visit the site and learn about the circular economy, recycling, resource recovery and energy-from-waste in a live environment – including taking a tour of the facility.

