

## Boneo Water Recycling Plant

### Project update

Work continues to progress for the Boneo Water Recycling Plant upgrade. A smaller team is working on site with a focus on mechanical and electrical works and commissioning the new Plant operations.

The team were busy during July with the following activities:

- Works for the new Recycled Water Treatment Plant.
- Continued commissioning new areas of the Plant including pre-commissioning and wet commissioning of all new infrastructure.
- Pavement works across the site are continuing.
- The old inlet structure and decommissioned odour pebble bed were demolished.
- Site lighting installation continued.
- Integrated the last main switch board on the project.

We also continued to enjoy the amazing sunsets in the area (see below).



### Upcoming works

The next significant milestone will occur when the new anaerobic digesters come online.

The majority of works over the coming months will involve work inside the new Plant including mechanical and electrical works and commissioning activities.

Works are expected to be completed in late 2021, when it is expected that site sheds and offices will be removed off-site, and areas disrupted by the construction activities reinstated.

## Plant upgrades

We are very proud of the Plant we are building. Below is an insight into some of the new operational areas and how they contributing to a reduced carbon footprint for the Plant operation.

### New Anaerobic Sludge Digesters

The upgrade to the Boneo WRP includes the installation of new anaerobic sludge digesters. The biogas produced by these digesters is used by a combined heat and power engine (CHP) which generates heat for the treatment process and produces electricity which will be used onsite. This will support minimising the greenhouse gas emissions associated with the treatment plant.



### Gas Engine

In addition to the CHP mentioned above, a new natural gas fuelled generator has also been installed. The function of the natural gas engine is to generate electricity to power the recycled water and tertiary treatment plants. This engine assists in providing security of power supply to the site.



### Need to get in touch?

We're here to help, so here's how to reach our project team:

Contact: Robyn Brown  
Phone: 0438 674 790  
Email: [Robyn.brown@jhq.com.au](mailto:Robyn.brown@jhq.com.au)

To subscribe/unsubscribe to the **mailing list** for monthly updates on the Boneo WRP Upgrade please email [robyn.brown@jhq.com.au](mailto:robyn.brown@jhq.com.au).

Community updates are available on South East Water's website at the Boneo WRP Upgrade project page.