



HI-QUALITY – INTEGRATED RESOURCE RECOVERY FACILITY PROJECT DESCRIPTION, NEED AND BENEFITS

The proposed Hi-Quality Integrated Resource Recovery Facility is a multi-operational resource recovery hub that will receive, process and store a number of commercial, industrial, demolition and construction waste types for reuse. The Project will also include other related complementary facilities including a concrete pre-cast plant, a landscape yard, maintenance workshop and the operation of the concrete batching plant will continue at the Site.

The Project will bring a number of technologies together, thereby increasing the resource recovery opportunities at the one location and provide a unique and efficient service in the ACT, creating opportunities for beneficial reuse and creation of products that can be used across the ACT region **and reducing the amount of waste going to landfill.**

The Project will seek to accept waste predominantly from the ACT. From the estimated 1.05 million tonnes per annum of materials transported to the Project site (including 500,000 tonnes per annum of non-waste

materials ie. sand, aggregates, steel etc), it is estimated over 950,000 tonnes per annum of saleable and beneficial reuse product will be produced while only 100,000 tonnes per annum is estimated to go to landfill and/or disposal.

The key objective of this Project is to improve resource recovery and reuse of waste within the ACT and the wider region. **This will result in significant social, economic and environmental benefits that are not available under the status quo.**

While there are other proposals for waste centres being considered across the ACT, these target different waste streams and use different processing technologies.

The Project does **not** including burning of any waste materials and the following waste types will not be accepted at the proposed facility:

- Municipal waste
- Food waste
- Clinical waste
- Garden waste
- Unpackaged asbestos containing material

KEY BENEFITS OF THE PROJECT INCLUDE:

- **Supports key aims of the 2011-2025 ACT Waste Management Strategy to divert 90% of waste from landfill.** The proposed Hi-Quality Integrated Resource Recovery Facility will assist in facilitating this by providing an additional facility for resource recovery. Of note is that the facility will process construction and demolition waste, which has been identified in the Strategy as the highest volume of waste generated in the ACT.
- Increase the amount of commercial, industrial, construction and demolition waste that is diverted from landfill and increase the reuse of materials to contribute to a circular economy.
- Introduce new waste processing facilities not currently available in the ACT, including liquid

waste processing of grease-trap waste and oily waste water, and producing refuse-derived fuel in accordance with the ACT Government Waste-to-Energy Policy.

- Generate cost efficiencies in the accepting, handling and processing of waste by bringing multiple waste sorting, treatment and processing facilities 'under the one roof', thereby reducing travel distances for vehicles transporting waste and resources.
- Contribute to reducing climate change impacts by significantly reducing greenhouse gas emissions through recycling of waste materials and diverting them from landfill.
- Directly provides 84 full time jobs during operation and many more indirectly during operation and the construction phase.

Estimated resource recovery from processing and manufacturing activities

