

WHAT DO WE NEED?

A Master planned Resource Recovery Precinct powered by renewable energy located in the Neerabup Industrial Area. Using best practice design principles, the 30.4ha precinct owned freehold by the City of Wanneroo will include:

- Waste to energy;
- Materials recovery;
- Organics (FO/GO);
- Battery storage, substation and adjacent solar farm;
- Waste transfer station;
- Community recycling centre;
- Leasehold opportunities for related industries and users of waste as a resource; and
- Opportunities to incorporate education, training, research, and development.

WHY IS IT IMPORTANT?

- End of life for existing waste facility Tamala Park is rapidly approaching estimated to be in late 2028. Tamala Park currently services an estimated population of 750,000 comprised of households and businesses, from the seven member councils that make up the Mindarie Regional Council.
- The rapid growth of the northern corridor equates to growth in waste, recycling and greens materials. Most of this growth will be within the City of Wanneroo with the estimated population to grow from 236,000 in 2024 to 437,000 by 2046.
- A precinct of this scale is required in order for the City and our LGA partners to meet waste targets set by State Government in the Waste Avoidance and Resource Recovery Strategy 2030.

- The industry is experiencing fundamental changes to the way waste is viewed and processed, requiring new thinking, new technology, research and testing, adoption of circular economy principles and using waste as a resource.
- Economies of scale/efficiencies achieved by co-locating the users of waste resource streams with the collection, sorting and processing facilities.
- The precinct will be an enabler to the circular economy providing a catalyst for private investment and an incubator for innovative solutions to waste by bringing together collection, recovery, processing and value adding.
- No such facility is operating or planned for the northern suburbs.
- Potential for the whole facility and the neighbouring Neerabup Industrial Estate to be operated by an embedded energy supply, powered by the solar farm and waste to energy plant.

HOW CAN WE MAKE IT HAPPEN?

- State planning to identify and recognise a Resource Recovery Precinct located in the Neerabup Industrial Area;
- State and Federal Government funding to support the establishment of a state-of-the-art resource recovery facility with the capacity to service the rapidly growing northern corridor's population prior to the end of life of Tamala Park; and
- Support and funding from the State and Federal Governments to facilitate private investment in the precinct to develop a cluster of waste and energy generating industries within the precinct.



DRAFT RESOURCE RECOVERY
PRECINCT MASTERPLAN

