

Annex M

## Summary of Community Conversation Key Themes

South East

### Conversation Summary: South Perth

- **SITE**
  - Distance to cart waste to site seems a critical cost and source of emissions (i.e. long distances from Mandurah)
  - Is transport via train really viable? What part?
- **TECHNOLOGY**
  - All costs (including externalities) need to be considered
  - What is the present value cost to run the RRRF?
  - In planning RRF, need to know how commercial and building waste streams will integrate with MSW (or not)
  - Requires consideration of a waste/resource recovery system as a whole

South East

### Conversation Summary: South Perth

- **TECHNOLOGY CONTINUED**
  - Criteria should distinguish between multiple small plants and a centralised RRF (what is the optimum waste tonnage required to support the facility?)
  - Is the current regulatory standard sufficient for the life of RRF?
  - Specific consideration required of output/product (saleability, contamination, lifecycle)
  - Should be net contributor of energy (is it going to generate more energy than it is consuming?)
  - Householder effort required by collection system is important

South East

### Conversation Summary: Gosnells

- **SITE**
  - Much more than 'adequate' separation distances required
  - Environmental benefits of rail transport are important
- **TECHNOLOGY**
  - Resource recovery costs need to be transparent
  - RRRF must be reversible: waste elimination not undermined
  - Full lifecycle costing should be performed prior to commissioning
  - Performance standards must be linked to direct compensation

South East

### Conversation Summary: Gosnells

- **TECHNOLOGY CONTINUED**
  - Must consider municipal waste along with commercial and industrial wastes
  - Not good enough to just meet regulatory standards
  - Cost benefit needs to include non-market costs
  - Critical system need capacity redundancy
  - Process should be forward looking
  - Technology/process design should have one waste stream in mind

South East

### Conversation Summary: S-J

- **SITE**
  - Feasibility study should consider future growth of suburban area
  - Site must have a self contained (internal) buffer zone.
  - RRRF should be in a declared industrial area
  - RRRF should be located on a heavy duty road
  - Transport should use railway instead of trucks
  - The lowering of the water table and water sensitive areas must be considered: cumulative impacts important
  - Criteria to account for likely local community support based on recent/current experience

South East

### Conversation Summary: S-J

- **TECHNOLOGY**
  - Community must be reassured things are 'above board'
  - All monitoring should be done independently from government
  - Proponent to pay for fund for independent monitoring
  - Technology must be 'totally, totally' enclosed
  - The use of existing facilities needs further investigation

South East

### Conversation Summary: Mandurah

- **SITE**
  - Larger than 10 hectares to incorporate buffer zone
- **TECHNOLOGY**
  - As much green waste as possible to be treated at source
  - Mulch from source needs to be treated to prevent the spread of pathogens and seeds

South East

### Conversation Summary: Armadale

- **SITE**
  - Criteria must eliminate sites subject to regular flooding
  - Hydrological & hydro-geological impacts of suburban development need to be factored into criteria
  - Separation distance criteria should require modelling of local meteorological conditions to determine spread of odour
  - Should be located in heavy industrial area

South East

### Conversation Summary: Armadale

- **TECHNOLOGY**
  - Green-waste storage at the facility should be fully enclosed
  - Ensure no waste runoff into groundwater
  - What processes will treat waste liquid?
  - No exceeding licence conditions
  - Design must consider seasonal peak demands
  - All monitoring must be independent & done by universities
  - Monitoring criteria to be established by universities (WA/interstate)
  - Criteria to allow fair consideration of emerging alternative technologies i.e. giant worm farm used at Sydney Olympics