

# **DELIVERING AN AWT SOLUTION THAT SUITS YOUR COMMUNITY**

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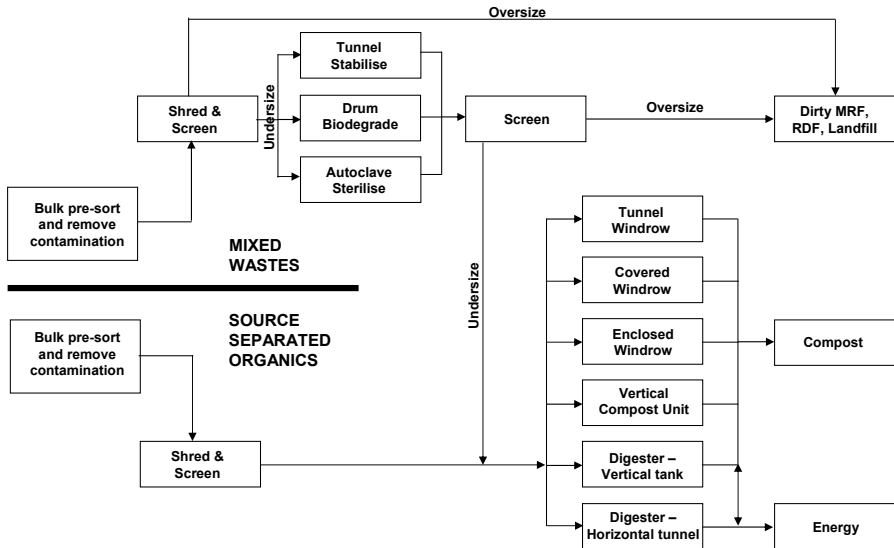
# Issues to Consider

- Macro drivers of change –
  - introduction of regulatory changes
  - introduction of disposal levies
- Demographics and waste –
  - housing types, streetscapes, population mix
  - waste services
  - waste quantities and composition
- Resource recovery and waste processing –
  - increase the degree of resource recovery
  - reduce the demand on landfill space
  - reduce the level of bio-reactivity of the waste disposed to landfill
- Convenience for the community
  - community preparedness to engage in source separation
  - kerbside and household management of multiple bins and containers

# Objectives to Consider

- Financial surety and low cost
- Minimum political and reputation risk with both the community and the State Government
- Minimum risk of technology failure
- Maximum flexibility in kerbside service choices to suit Councils and demographics
- Minimum carbon foot print
- Maintain a cost consistent with community preparedness to pay and environmental returns
- Local management of local wastes and resources
- Respond to community and State Government expectations on resource recovery

# Technologies to Consider



## Technologies to Consider (cont)

	FEEDSTOCK		PRODUCT			TECHNOLOGY	
	Pute. Waste	Sorted Organics	Stabilise Waste	Energy	Compost Organics	Simple	Proven
Tunnel	√	√	√	√	√	√	√
Drum	√	<b>X</b>	√	<b>X</b>	<b>X</b>	√	√
Autoclave	√	<b>X</b>	√	<b>X</b>	<b>X</b>	<b>X</b>	<b>X</b>
Covered Windrow	√	√	√	<b>X</b>	√	√	√
Vertical Compost	<b>X</b>	√	<b>X</b>	<b>X</b>	√	√	√
Tank Digest	<b>X</b>	√	<b>X</b>	√	√	<b>X</b>	√

# Collection Options to Consider

The decision to source separate food with garden organics for AWT processing is based on Council's position on a number of the objectives and its appetite for risk –

- Will the AWT systems deliver products that have sustainable markets?
- Will Council want to close the loop and buy back product?
- Will the community want to source separate food?
- Will the community accept less frequent collection of residual waste?
- How do the resource recovery outcomes compare?
- How do the costs of collection and processing compare?

# Procurement Issues to Consider

- Technology diversity to consider at EOI and Tender
- Competition –
  - availability of multiple providers for competitive procurement
- Technology risk –
  - demonstrated plant and operator capabilities
  - flexibilities to adapt to changes over time
- Product and market risk –
  - product specifications and permits
  - availability of markets
- Financial risk –
  - availability of finance and refinancing
  - the mix of debt and equity
  - proven experience

# Timeframes to Consider

