

MAKING A
GREAT
PLACE



Long-term management of garbage

Making the most of what we don't want



Update to Metro Council
Paul Ehinger and Rob Smoot
July 28, 2015











Public benefits



- Protect people's health
- Protect the environment
- Get good value for the public's money
- Keep our commitment to the highest and best use of resources
- Be adaptable and responsive in managing materials
- Ensure services are available to all types of customers

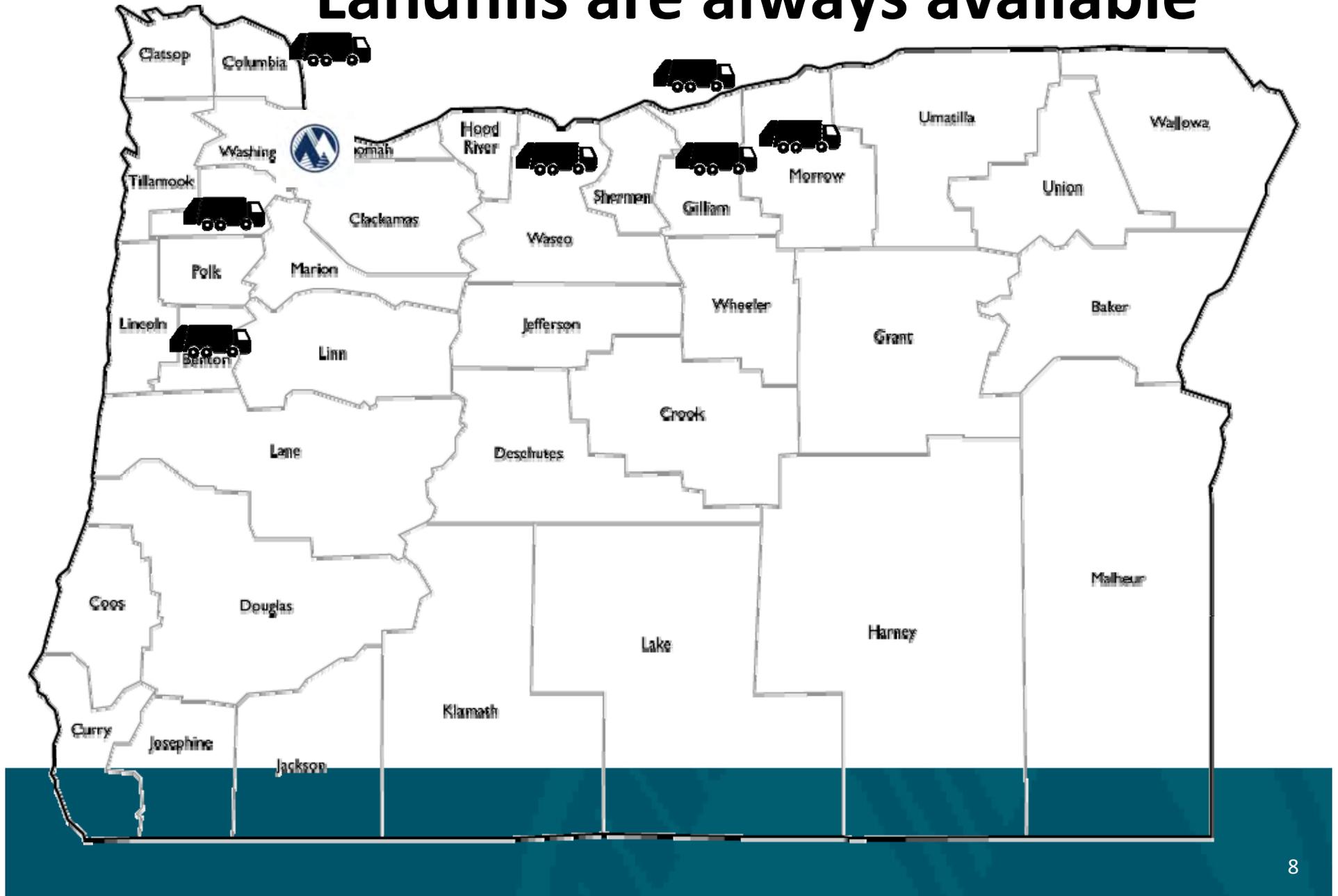
Council Approved Technologies



- Gasification
- Dry anaerobic digestion
- Refuse-derived fuels
- Advanced materials recovery
- Waste to Energy
- Landfills



Landfills are always available



Need for industry input

Information to tip the scales



19 Responses from around the globe



Request for Expression of Interest (RFEOI)

Respondents	Type(s) of technologies proposed				
	AMR	WTE	Gasify	AD	RDF
1					
2					
3					
4					
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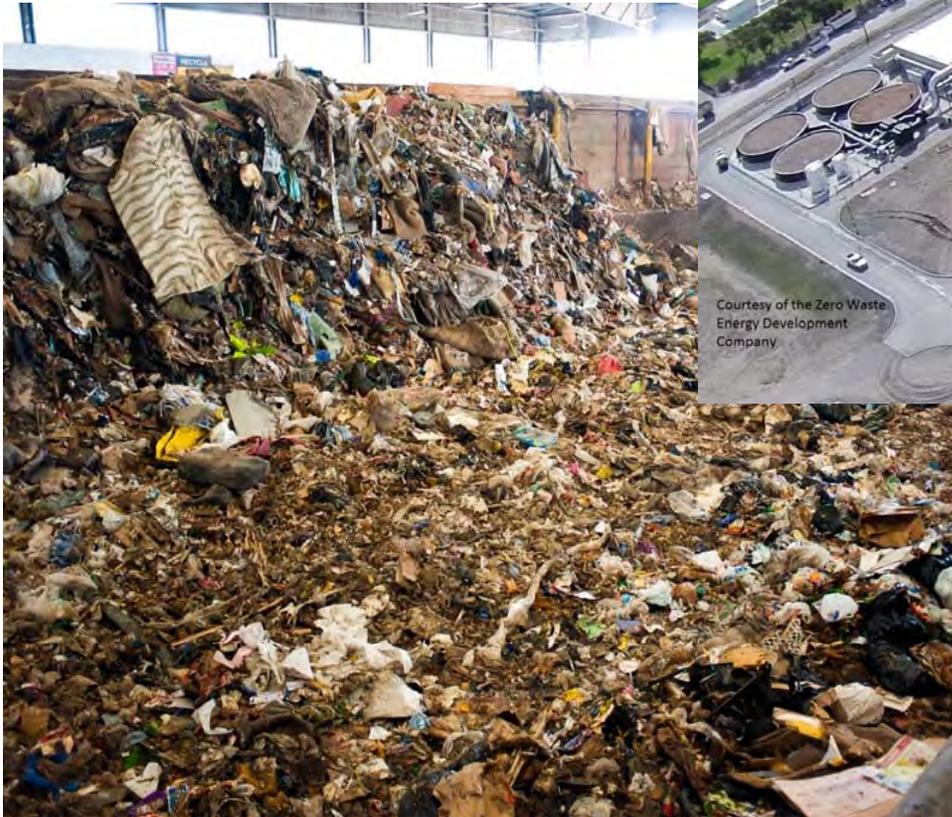
AMR is Advanced Material Recovery; **WTE** is Waste to Energy; **Gasify** is Gasification **AD** is Anaerobic Digestion; **RDF** is Refuse Derived Fuel

* Non-responsive.

Gasification



Dry Anaerobic Digestion

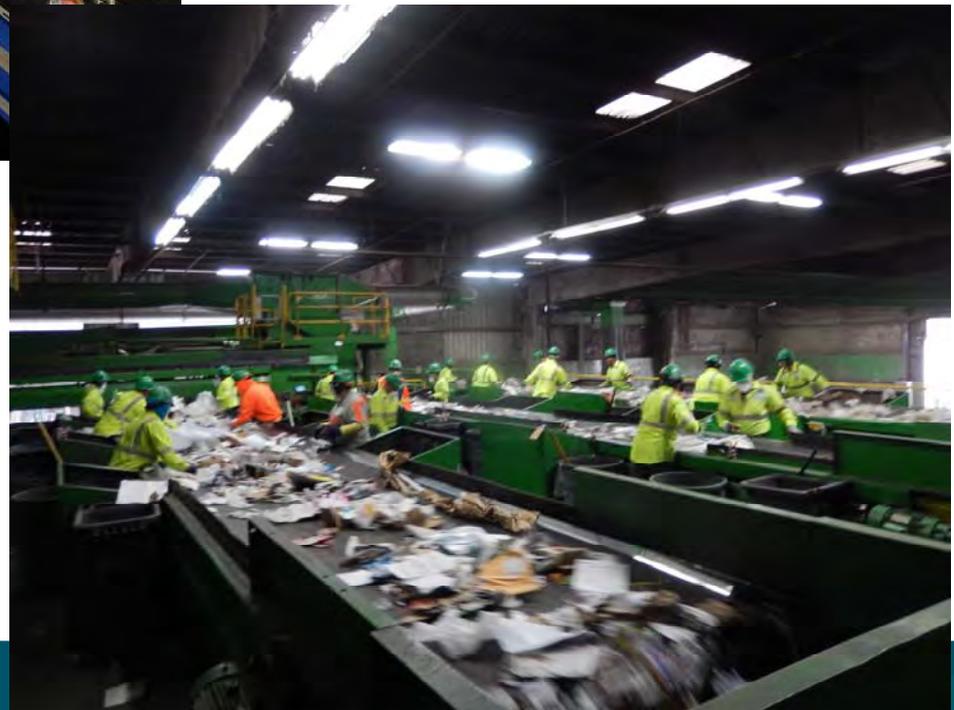


Refuse-derived Fuels





Advanced Material Recovery



Waste to Energy



Assessment of gasification



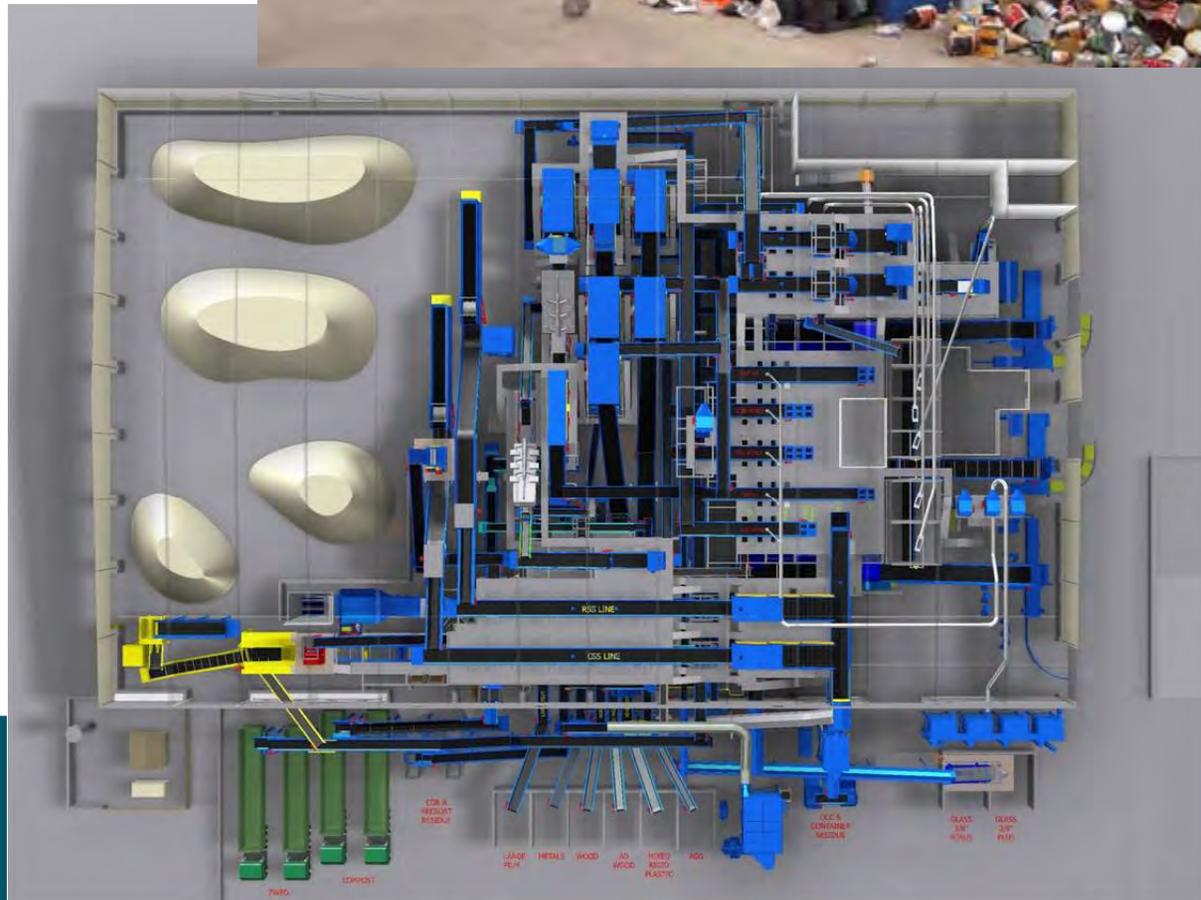
Assessment of dry anaerobic digestion



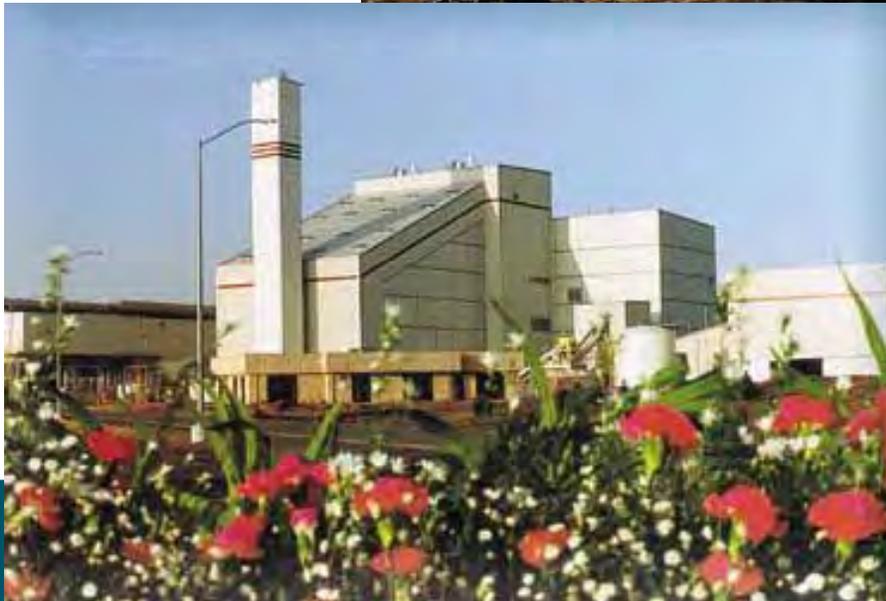
Assessment of refuse-derived fuels



Assessment of advanced material recovery



Assessment of waste to energy



Recommended approach



- Develop policy framework for pursuing advanced material recovery
- Explore Waste to Energy for feasibility; Cost, Schedule, Tonnage guarantee
- November 17: report to Council on findings, recommendations on how to proceed



Questions for Council

- Should staff develop alternatives for implementing advanced material recovery in the region?
- Should staff reach out to conventional waste to energy providers to get details of implementation costs and schedules?
- What information will you need to decide to implement one or more new long-term management options?

