

**SSO and Recycling  
Infrastructure Sub-Committee  
– October 6, 2009**

**Mixed Waste Processing Facility  
Proposed at Green Lane Property**

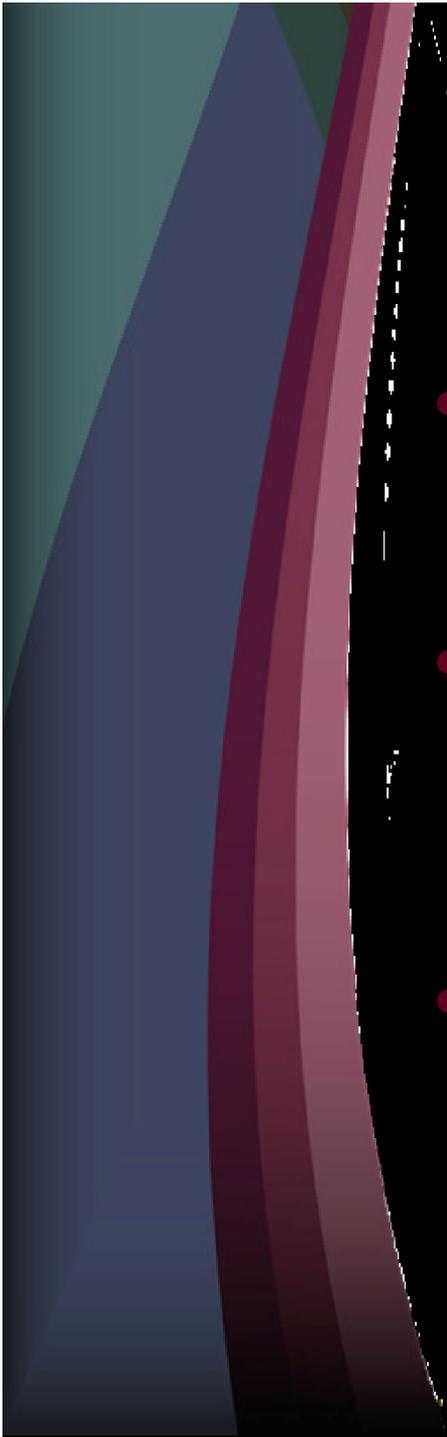
**Geoff Rathbone, General Manager  
Solid Waste Management Services**

# What is being Proposed?

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## **A Residential Mixed Waste Processing Facility**

- Recovers any recyclables and organics from mixed residential waste and possibly biosolids
- Produces Compost-Like-Output
- Anything left after this process is “true garbage” and is sent to landfill
- Process reduces amount of material going to landfill and pre-stabilizes residual waste
- Provides 8% diversion towards 70% target



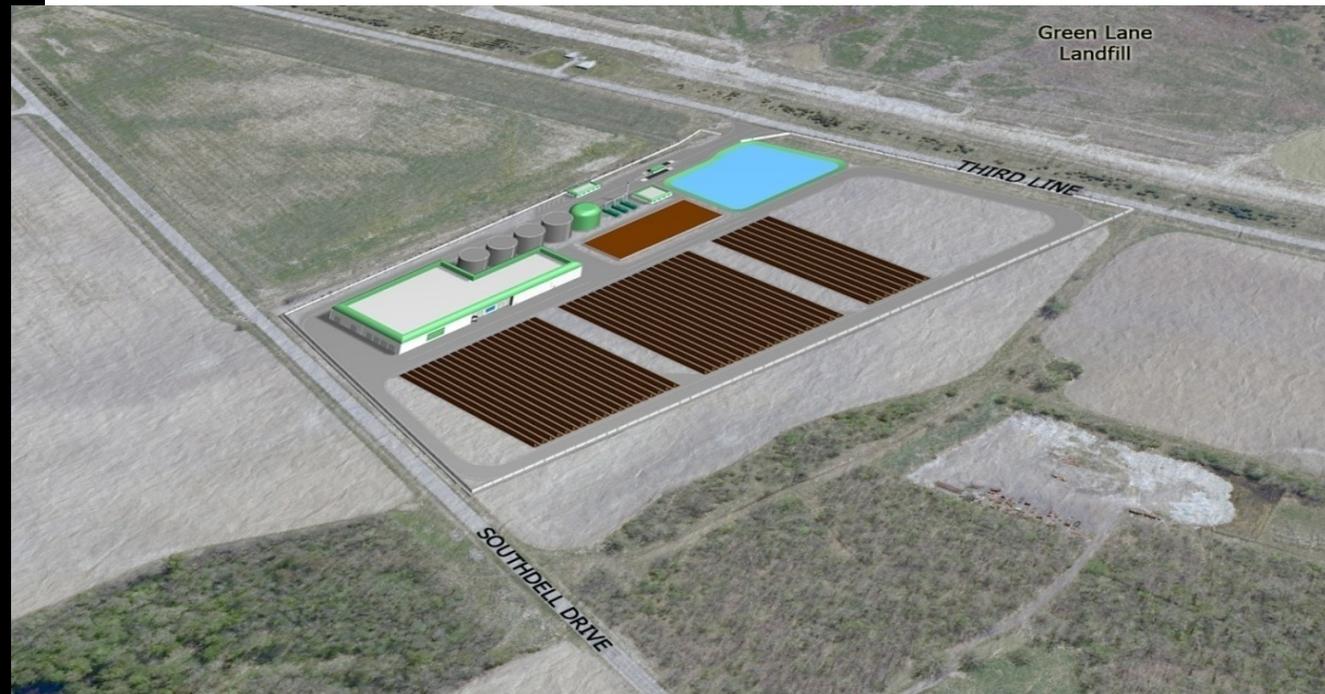
# Location and Technology

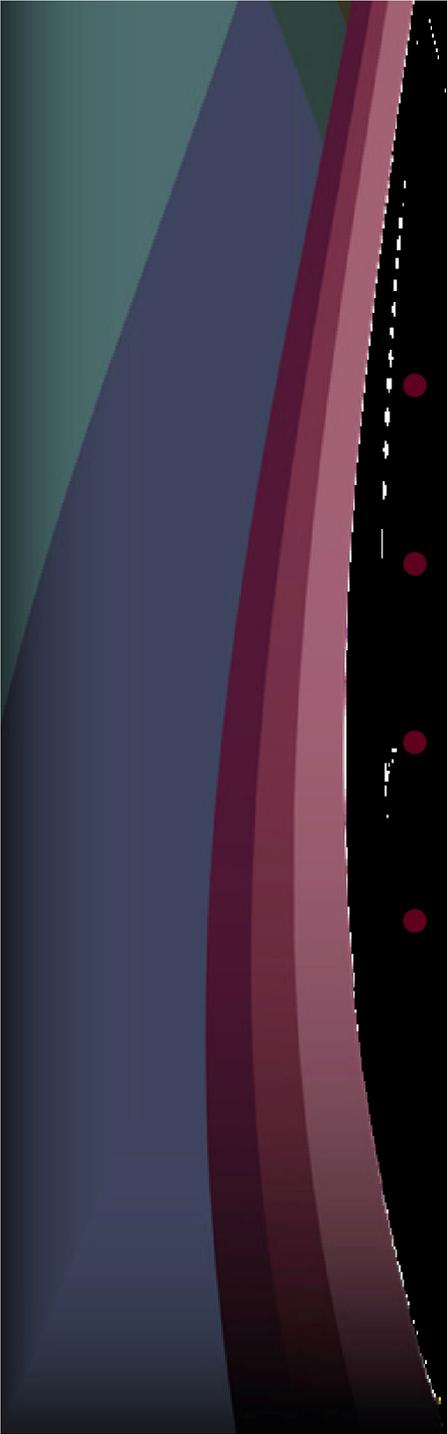
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- Screening criteria applied for site selection – lands adjacent to Green Lane Landfill
- Screening criteria applied to determine preferred technology – Mechanical Biological Treatment (anaerobic digestion)
- MBT with AD had the lowest impact overall and the greatest environmental benefits from a HIA and LCA

# Conceptual Drawing

- MBT Facility with Anaerobic Digestion (AD)
- City-owned buffer lands at Green Lane Landfill





# Community Input

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- Discussions with Green Lane Public Liaison Group
- Meetings with First Nation Liaison Committee Groups
- Presentations to Southwold Township Mayor and Council
- Two Open Houses:
  - September 29 at Green Lane Landfill
  - September 30 in St. Thomas

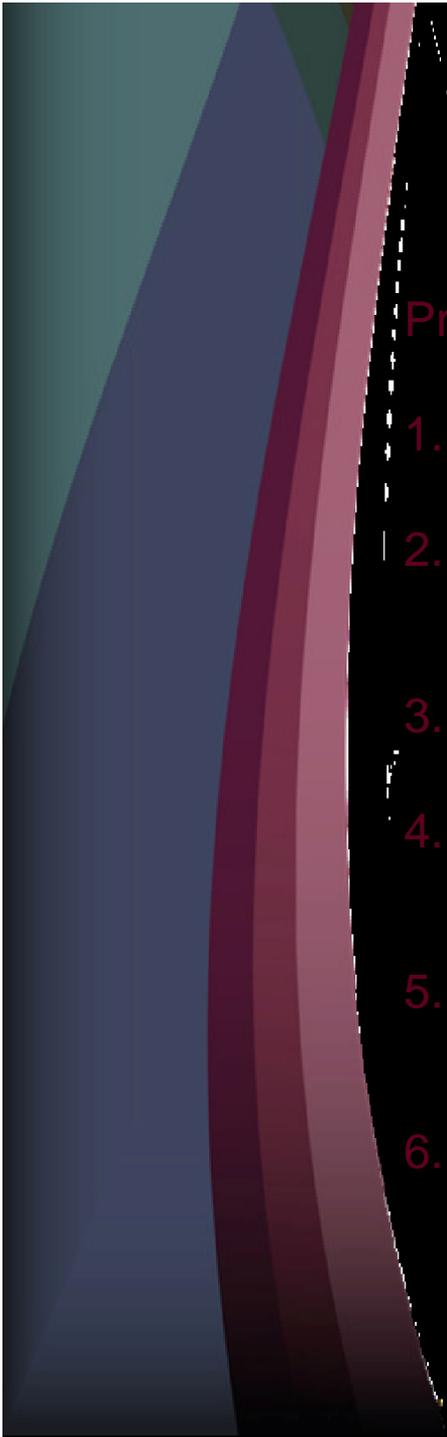
# Community Input

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- September 29 at Green Lane Landfill
  - 80 key stakeholders and neighbours invited
  - 65 attendees
- September 30 in St. Thomas
  - General public session
  - Advertised in local newspaper
  - 55 attendees
- Local media and MPP staff attended

## Key Issues:

- Odour concerns
  - Community benefits
  - Impact on landfill operations
- Comments will be used for REOI development



# Next Steps Procurement Schedule

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## Project Initiation:

1. Advertise to the Marketplace (October/November 2009)
2. Issue & Evaluate Prequalification Questionnaire (November/December 2009)
3. Issue & Evaluate Expression of Interest (January - April 2010)
4. Issue Request for Proposals and evaluate submissions (Mid to Late 2010)
5. Recommendation Staff Report to Public Works and Infrastructure Committee (Early 2011)
6. Construction (Mid 2011)