Presentation Outline

Opening Remarks

What is Mixed Waste, Presort and Anaerobic Digestion?

Drivers for Managing Organic Waste

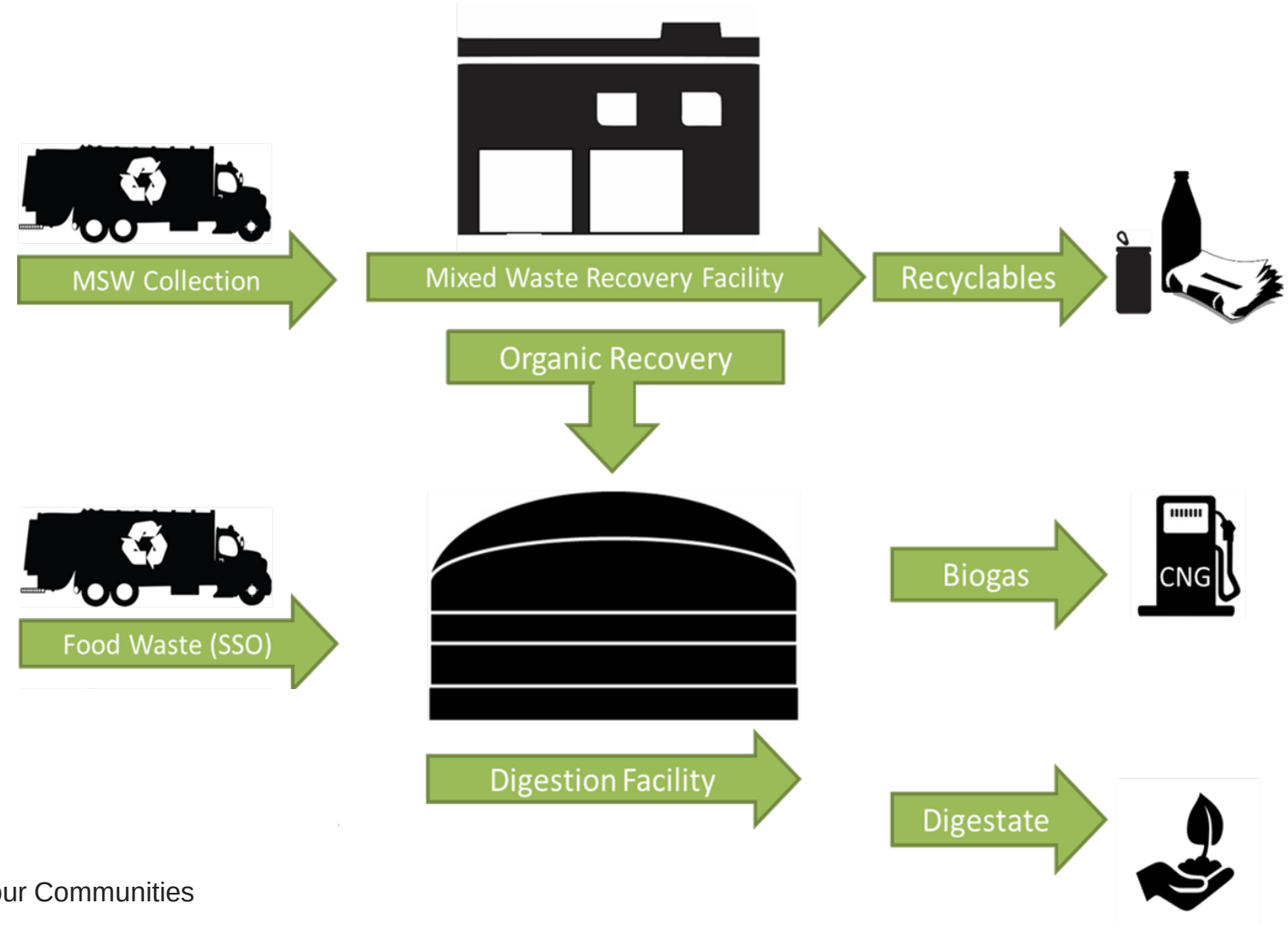
The Siting Study Process

Development Principles

Project Commitments

Next Steps

What is Mixed Waste, Presort and Anaerobic Digestion?



Drivers for Managing Organic Waste

Region Drivers

- Growth and Diversion
- Durham-York Energy Centre capacity
- Regulatory
- Address Climate Change/reduce GHG emissions

Market Drivers

- Landfill capacity
- Green bin processing capacity
- Renewable Natural Gas

The Siting Study Process - Where Are We?

1. Determined search area / minimum site requirements
2. Identified candidate sites based on minimum site requirements
3. Developed evaluation criteria for candidate long list of sites
4. Applied evaluation criteria to determine a short-list of sites
5. Stakeholder Consultation
6. Comparative evaluation to establish advantages / disadvantages between sites
7. Identified preferred site
8. Recommendation to Regional Council for Approval of Site

Proposed Site Location

Service Excellence for our Communities

Facility Development Principles

- An integrated and complementary approach:
  - Focus on the south site
  - Ensure compatibility
  - Provide a distinct sustainability focus
  - Ensure design excellence
  - Enable the development of a gateway
  - Commit to continuous engagement

Focus on the South Site

- Focus on the south site:
  - 4.96 hectares (12.25 acres)
  - Next to DYEC
  - +/- 400 m from Highway 401
  - Between Energy Drive and Haul Road
  - North of CN Rail line
  - Avoids natural heritage systems
  - Leaves the “Gateway” site available for future development

Ensure Compatibility

- Commit to zero odour emissions
  - Fully enclosed facility
  - Negative pressure and biofilters
- No combustion
- Control noise by managing truck routing and facility operations subject to MOE requirements
- Control ambient light through zero cut-off lighting
- Implement dust suppression practices during construction

Provide a Distinct Sustainability Focus

- Address Climate Change
- Provide natural gas recovery systems
- Be “District Energy Ready”
- Implement energy efficient construction practices
- Provide stormwater reduction measures through Low Impact Development techniques such as permeable pavement, vegetated swales, etc.
- Address urban heat island effects through roof treatments and on-site plantings

Ensure Design Excellence

- Commit to the site plan process and the Municipality's Streetscape and Sustainable Development Design Guidelines
- Complement the character of existing public buildings
- Positive and interesting street presence
- High quality materials
- Architectural variety and articulation
- Landscape design
- Consideration of the design from all sides
- Minimize truck access visibility and servicing to the rear

Enable the Development of a “Gateway”

- Explore uses that benefit OPG and other business in the energy park
- South site does not preclude employment intensive uses on the north site:
- Region will work with Clarington to establish Prestige Employment uses;
  - High quality architecture and design;
  - Leverage visibility from highway 401.

Commitment to Continuous Engagement

- Development of the north parcel will not be precluded
- Site planning process
- Achievement of the vision
- AD process – regular engagement that updates everyone on the status of the project
- Use of the by-products for agricultural community

Questions