Sustainable Business Park
Waste Haulers Update
9/7/22
Agenda

Update on Project
Stakeholder Advisory Group Review
Discussion
### Sustainable Business Park Timeline

| Project Phase | 2022 Q1 | 2022 Q2 | 2022 Q3 | 2022 Q4 | 2023 Q1 | 2023 Q2 | 2023 Q3 | 2023 Q4 | 2024 Q1 | 2024 Q2 | 2024 Q3 | 2024 Q4 | 2025 Q1 | 2025 Q2 | 2025 Q3 | 2025 Q4 | 2026 Q1 | 2026 Q2 | 2026 Q3 | 2026 Q4 | 2027 Q1 | 2027 Q2 | 2027 Q3 | 2027 Q4 | 2028 Q1 | 2028 Q2 | 2028 Q3 | 2028 Q4 | 2029 Q1 | 2029 Q2 | 2029 Q3 | 2029 Q4 | 2030 Q1 | 2030 Q2 | 2030 Q3 | 2030 Q4 |
|---------------|---------|---------|---------|---------|---------|---------|---------|---------|---------|---------|---------|---------|---------|---------|---------|---------|---------|---------|---------|---------|---------|---------|---------|---------|---------|---------|---------|---------|---------|---------|---------|---------|---------|
| Feed Stock/Flow Control Ordinance | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| Business Park On-site Infrastructure Design + Permitting | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| Final Design | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| Zoning, PUD, and Site Plan Approval | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| EGLE Permitting | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| Wetlands Permitting | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| SESC, Stormwater, Right-of-Way Permitting | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| Bidding | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| Post-Bid Process, Award, Mobilization | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| Business Park On-site Infrastructure Financing | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| Business Park Off-site Infrastructure Improvement Design + Permitting | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| Water and Sanitary Utility Provider Commitment | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| Final Design | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| Onsite Due Diligence Work | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| Due Diligence Reporting | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| EGLE Permitting | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| Road LAP Permitting | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| Bidding | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| Post-Bid Process, Award, Mobilization | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| Business Park Off-site Infrastructure Improvement Financing | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| Business Park Infrastructure Construction | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| Kent County Bioenergy Facility Material Recovery Facility - Design | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| 30% Design Package, Issue Contractor RFP | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| Select Contractor | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| Issue Construction Contract | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| Kent County & Kent County Bioenergy Facility Bonding | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| Kent County Bioenergy Facility Material Recovery Facility - Construction | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| MRF Material Recovery Facility Go-Live | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| North Kent Transfer Station Improvements | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| Recycling and Education Center Refurbishment | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| Waste-to-Energy O&M Transition | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| Waste-to-Energy O&M Service Agreement | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| Waste-to-Energy Refurbishment | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| South Kent Landfill Expansion (Contingency Plan) | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| South Kent Landfill Expansion Go-Live | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
Project Development Milestones

- Preliminary Design
- Regulatory Approvals
- Grants & Outside Funding
- Terms of the Service Agreement
- Project Cost Estimates
Preliminary Design
Kent County Bioenergy Facility Design Basis

- **Single Stream Recyclables**: 35,000 TPY
- **Municipal Solid Waste**: 400,000 to 600,000 TPY
- **Source Separated Organics and Pre-Consumer Waste**: 40,000 TPY

**Target Diversion of 60% of Inbound Waste**
LEGEND:
(1) Single Stream Receiving
(2) MSW Receiving and processing
(3) Self Haul area
(4) Organics Processing
(5) Anaerobic Digestion
(6) Renewable Natural Gas Facilities
(7) Digestate Residual Management
(8) Odor Control
(9) Board Manufacturing or other Residual Processing
Regulatory Approvals

• PUD Zoning Approval
  Dorr Township

• Roads
  Kent County & Allegan County Road Commissions

• Utilities
  Water & Sewer – Byron Gaines Utility Authority & City of Wyoming
  Private Utilities – DTE or Consumers
Grants and Outside Funding

• Congressional Directed Spending (submitted)
• State Budget Request (submitted)
• ARPA – Allegan County (submitted)
• Economic Development Administration (on hold)
• EPA Grants (fall)
• Local Agency Program Funding
Terms of the Service Agreement

Kent County Bioenergy Facility LLC

- Draft Service Agreement Developed structured on WTE agreement
- Being reviewed internally
Project Cost Estimates

• Private Investment
• Public Investment
• Infrastructure
  • Road Improvement Costs
  • Public Utility Extension Costs
  • Site Development Costs
## Kent County Bioenergy, LLC

### Public-Private Partnership

<table>
<thead>
<tr>
<th></th>
<th>Public</th>
<th>Private</th>
</tr>
</thead>
<tbody>
<tr>
<td>Investment</td>
<td>$70M</td>
<td>$280M</td>
</tr>
<tr>
<td>Phase One Infrastructure</td>
<td>$19M ($4M State Allocation)</td>
<td>Kent County Bioenergy, LLC</td>
</tr>
</tbody>
</table>
Sustainable Business Park Stakeholder Advisory Group

Al Vanderberg – Kent County
Emily Brieve – Kent County
Darwin Baas – Kent County DPW
Thad Beard – City of Rockford
David Bulkowski – Kent County
Mike DeVries – Grand Rapids Charter Township
Curtis Holt – City of Wyoming
Stephen Kepley – City of Kentwood
Josh Lunger – Grand Rapids Area Chamber of Commerce
Tom Mahoney – Republic Services
Tim Mroz – The Right Place
Mark Washington – City of Grand Rapids (represented by Doug Matthews & James Hurt)

Meeting “bi-weekly” since 4.11.22

Purpose: provide a forum for discussion, debate, and hopefully the development of consensus on a countywide waste solution and other current and future options.

List of Issues/Concerns Generated by the Group:

- Alternatives
- Flow Control
- Countywide Rate Equity
- Policy

- Market Risk
- Consumer Costs
- Business Costs
- Capital Costs
Stakeholder Group Discussions - Summary

Discussed:

• Alternatives
  • Understanding today’s system
  • Waste Characterization
  • One Bin System Discussion
  • WTE Expansion
  • Out of County Landfills
  • status quo

• Flow Control
  • How it works today
  • Possible impacts

• Market Risk
  • Renewable Natural Gas and Coverboard
  • Revenue and Expenses of Anchor Tenant

• Policy
  • Countywide Rate Equity
  • Revenue Sharing

Upcoming Discussions:

• Governance
• Costs

Build some consensus on recommendations
2022 Waste Characterization Study
- 465,000 tons of processable waste generated in Kent County

Why county-wide flow control?
• Address concerns over rate equity across the county
• Ensure the volume and type of waste needed for mixed waste processor and WTE
• All communities in Kent County get to contribute to waste diversion goals
• Ensure revenue needed to pay off bonds and operate facility

Build on 37-year experience implementing WTE agreements and ordinances
• Amend Kent County Solid Waste Ordinance
• Determine local ordinance requirements
• Determine exemptions and process:
  • Case-by-Case or By Type
  • Clarify what are non-processable or non-combustible materials
  • Look at areas of the county with low density routes
  • Minimize additional transportation by using NKT & WTE
Key Public Decisions

• Project Development Agreement – Part 2
• Flow Control
• Bonding
Discussion