







- Two lines; room for a third
- 678 TPD average processed in 2014
- Third line could be as large as 500 TPD (Covanta)
- Current contracts end in 2023



GBB Zero Waste to Landfill Study

Purpose

- Identify opportunities for the County DPW to work with industries to increase Zero Waste to Landfill (ZWLF) options in the region
- GBB and SRG hired to investigate

Scope

- Communicate with major regional industries interested in ZWLF
- Determine feedstock available for processing/conversion
 Evaluate approaches and technologies



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GBB Zero Waste to Landfill Study (cont'd)

Methodology

- Collect data about the regional manufacturing marketplace
- Conduct meetings with four manufacturers
 - ─ GRLABEL
 - HAWORTH'
 - HermanMiller
 - Trendway >
- Do independent research
- Develop three generalized project concepts
- Analyze information



GBB Zero Waste to Landfill Study (cont'd)

Conclusions

- Industry has high interest in ZWLF
- Significant fuel supply
- Reusable MDF supply possibly
- County has land for SBP
- The Right Place wants to help

RIGHT PLACE

Recommendations

- Develop MOU with The Right Place to advance ZWLF projects with manufacturers
- Involve other strategic partners, like the Design Group
- County participate as long as industries do
- Develop conceptual site plan for South Kent Landfill SBP
- County expand offerings to provide recycling technical assistance to commercial waste generators





Kent County SBP Master Plan

- The vision is that SBP will replace the need for consuming significant landfill resource continuously
 - with an estimated three (3) major and 3-5 smaller SBP tenants.
 - Likely larger tenants could be a mixed-waste processing facility (MWP), an organics processing facility as well as an energy facility that takes residue from MWP.
 - The smaller tenants may be waste processers who manage specific waste streams or who convert recovered materials into intermediate or final products. Off-site users of engineered fuel produced should also be considered.
- GBB Team will identify the type of technologies and tenants that could inhabit the SBP to <u>be</u> the missing link between the waste stream and the final consumer.
- Develop a Master Plan for the design and construction of public infrastructure to support the businesses locating into the SBP.
- Research and describe potential funding sources for both the SBP infrastructure improvements and the potential SBP tenants.
- Evaluate how the waste management services provided by the SBP tenants might interact with Kent County's existing waste management infrastructure



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Kent County SBP Master Plan

- Stakeholder Meetings and Facility Tours
- Existing Condition Analysis (Local A&E on team)
- Waste Stream and Market Analysis
- Funding Sources
- Technology Overview & Analysis
- Put out RFI and Evaluate Results of the RFI
- Conceptual Site Development Plan
- Conclusions & Recommendations



Stakeholder Meetings

- Held November 14-16, 2017 in Grand Rapids
- Participants included:
 - Business/economic development
 - Haulers
 - Regional Manufacturers
 - Municipal Officials
 - Environmental Groups
- Maintain engagement throughout process



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Stakeholder Review Committee

- 1. Dick VanderMolen chair
- 2. Bill Stough representing manufacturers
- 3. John VanTholen representing waste haulers
- 4. Rick Chapla representing economic development interests
- 5. Katie Venechuk representing state government
- 6. Kari Bliss representing local business
- 7. Bill Wood representing environmental interests
- 8. Steve Achram—representing building and construction industry
- 9. Doug LaFave—municipal representative (Kent County)
- 10. Jeff Miling—municipal representative (Allegan County)







Request for Information

- Purpose to identify
 - Active technology/equipment suppliers
 - Project developers
 - Technology developers
 - Endmarket users
- Interested in developing a project and advancing DPW's economic and environmental goals
 - Design
 - Build
 - Finance
 - Own
 - Operate
- Seeking information and qualifications from companies who present innovative
 - Waste processing technologies
 - Waste conversion technologies
 - Other beneficial technologies

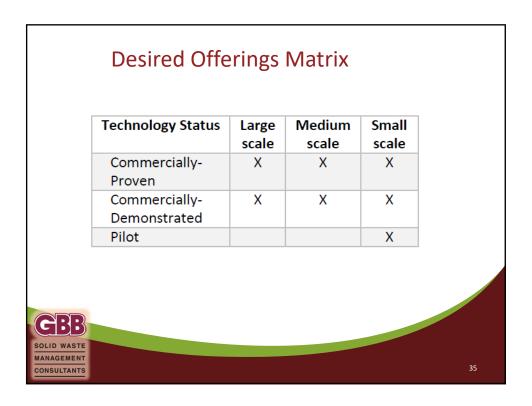


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Request for Information (Cont'd)

- Respondents will be expected to
 - Provide solutions to significantly reduce the tonnage of material that require landfill disposal
 - stimulate demand for recycled commodities
- Respondents can present
 - large-scale (greater than 250 ton per day in capacity)
 - medium-scale (between 50 and 250 tons per day in capacity)
 - and small-scale (less than 50 tons per day in capacity)
- Technology status will be categorized as
 - Commercially-Proven (i.e. commercially viable technology with operating reference facility or facilities);
 - Commercially-Demonstrated (i.e. proven technology without a Commercially-Proven reference facility or facilities)
 - Pilot (i.e. start-up/emerging technology with a functioning prototype prepared for deployment on a trial basis).







Master Plan Tasks to be completed Evaluate RFI responses; Conceptual site development; Research funding sources; Evaluate how SBP tenants might interact with existing waste management infrastructure. www.reimaginetrash.org SOLID WASTE MANAGEMENT CONSULTANTS

