Reimagine Trash

Sustainable Business Park Update
November 27, 2018
Looking back before we look ahead

- September 2017: Master Plan Kickoff
- November 2017: Stakeholder Meetings
- March 2018: Release Request for Information (RFI)
- May through July 2018: RFI Review & Master Plan Development
- October 2018: Master Plan Approval Process
- November 2018: Stakeholder Meeting
South Kent Landfill Tonnage (MSW and Ash)

Tons per Year

Year

MSW Tonnage
Ash Tonnage

...9 years left (2027)

...7 years left (2025)


Pie chart showing:
- Paper: 21%
- Plastic: 17%
- Organics: 33%
- Metals: 4%
- Glass: 1%
- Other: 24%
Master Plan Org Chart

Stakeholder Review Committee (SRC)

KENT COUNTY DEPARTMENT OF PUBLIC WORKS

SUSTAINABLE RESEARCH GROUP

BYRUM & FISK
ADVOCACY COMMUNICATIONS

GBB SOLID WASTE MANAGEMENT CONSULTANTS

pfm

fnc&h

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2020 2030
Stakeholder Review Committee (SRC)

Dick VanderMolen (BPW Emeritus), SRC Chair
Bill Stough (Sustainable Research Group), representing manufacturers
John VanTholen (Granger), waste haulers
Rick Chapla & Tim Mroz (The Right Place), economic development
Katie Venechuk (Michigan DEQ), state government
Kari Bliss (Padnos), local business
Bill Wood (WMEAC), environmental interests
Steve Achram (Wolverine Building Group), building and construction industry
Doug LaFave (East Grand Rapids), municipal representative (Kent County)
Jeff Miling (Dorr Township), municipal representative (Allegan County)
Key points during the master plan process

- Community Engagement:
  - Stakeholder Review Committee meetings
  - Site visits & tours
  - Board of Public Works
  - Media coverage
- Existing Conditions & Waste Stream Analysis
- Technology and Market Analysis
- Funding and Financing
- Site Maps and corresponding costs
Approved Master Plan

23 respond to Kent County’s call for ‘sustainable’ garbage proposals

EXHIBIT B
SITE OVERVIEW

REDUCE LANDFILL WASTE
20% by 2020 | 90% by 2030

2020
2030
RE:IMAGINETRASH.ORG
Key Recommendations

- Advance ‘low hanging fruit’ projects:
  - Ash Mining
  - Construction & Demolition Waste (on current landfill property)
  - Organics (on current landfill property)
- There is an immediate need for organic waste management
- Continue to market SBP to industry
- Ongoing public outreach with a wide variety of stakeholders
- Seek affirmation and alignment with goals of local governments
- The future can and should include SBP, Waste to Energy and Recycling & Education Center. The Sustainable Business Park will be complementary to current facilities
Evaluated Sustainability Certifications - Envision
Sustainable Business Park By the Numbers

- **75%** of trash currently entering the landfill could be repurposed or reused.
- **$386 million**: The estimated value of material discarded in Michigan landfills and incinerators each year.
- **250 acres**: The total acreage set aside for the Sustainable Business Park.
- **23**: The number of respondents from around the world to the formal Request for Information (RFI) for the Sustainable Business Park Master Plan.
- **$130 million**: The estimated annual local economic impact if a processing and waste sorting component of the SBP is implemented.
- **150 jobs** could be created by processing and waste sorting alone.
- **$500 million**: The anticipated direct private-sector capital investment that would result from establishing the Sustainable Business Park.
- **86.2 million** people were reached through media stories covering the Sustainable Business Park planning process in the past 10 months.
How will this project change the Kent County Department of Public Works?
CURRENT

RECYCLING & EDUCATION CENTER

SOUTH KENT LANDFILL

WASTE TO ENERGY

& NORTH KENT TRANSFER STATION
FUTURE

SUSTAINABLE BUSINESS PARK & NORTH KENT TRANSFER STATION

RECYCLING & EDUCATION CENTER

WASTE TO ENERGY
Kent Waste-to-Energy Facility Expansion

- Request for Information/Request for Qualifications was issued in November.
Next Steps...

- Present to the Board of Commissioners on December 20
- Advancing several of the recommendations from the Master Plan:
  - Business & Economic Development Team
    - Will engage respondents to the RFI
    - Will evaluate local, state and national funding opportunities
  - WTE combustion ash
  - Construction and Demolition (C&D) debris
    - Processing facility for low value C+D material on existing landfill property
    - Workgroup will evaluate methods to keep usable construction materials at their highest and best value by building a deconstruction & reuse market
  - Organic materials
    - Processing on existing landfill property
- Evaluating industrial waste streams
Next Steps...

- Cost of service needs to be forecasted keeping in mind:
  - Service fee requirements for increased processing/conversion infrastructure
  - Savings from reduced landfilling
  - Revenue from sale of products (materials and energy)
  - Revenue from SBP tenants
  - Grants

- Evaluate new collection systems
- Regulatory discussions - SBP represents an innovative approach to MDEQ
- Communicating this opportunity to our community and getting them ready for these changes
www.reimaginetrash.org/SBP

- Add your business to the list to be considered as a tenant
- Add your name to our listserv to be notified of project updates