









Winner of the 2018 Decon+Reuse Independent Award

- Abiding in the Shadow, Jeff Best (Clare, MI). On display at Amway Grand Hotel.
- Reclaimed barbed wire from farm dumps.











"Are we prepared...



...to create a paradigm shift on how we manage discards so West Michigan becomes a truly sustainable community"



South Kent Landfill Expansion Property







Source: City of Grand Rapids Community Archives and Research Center











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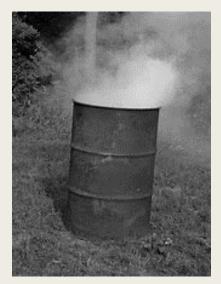


























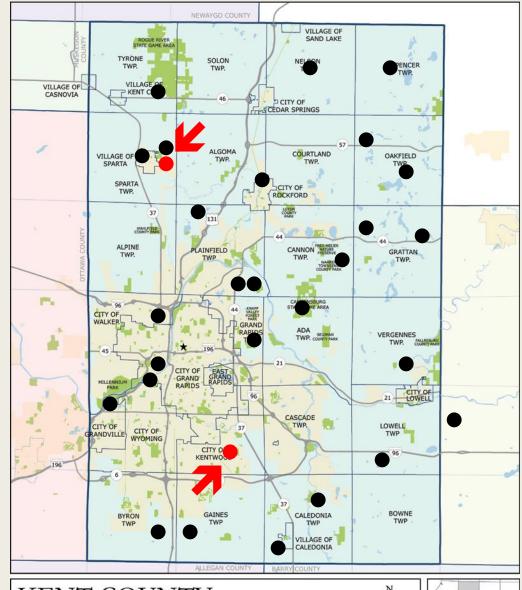
Source: City of Grand Rapids Community Archives and Research Center







By 1965, 29 municipal and privately owned open dumps were scattered throughout Kent County.







Kent County's Integrated Solid Waste Management System

Includes Waste To Energy, Single Stream Recycling, Landfill, Transfer Station, and Recycling Service















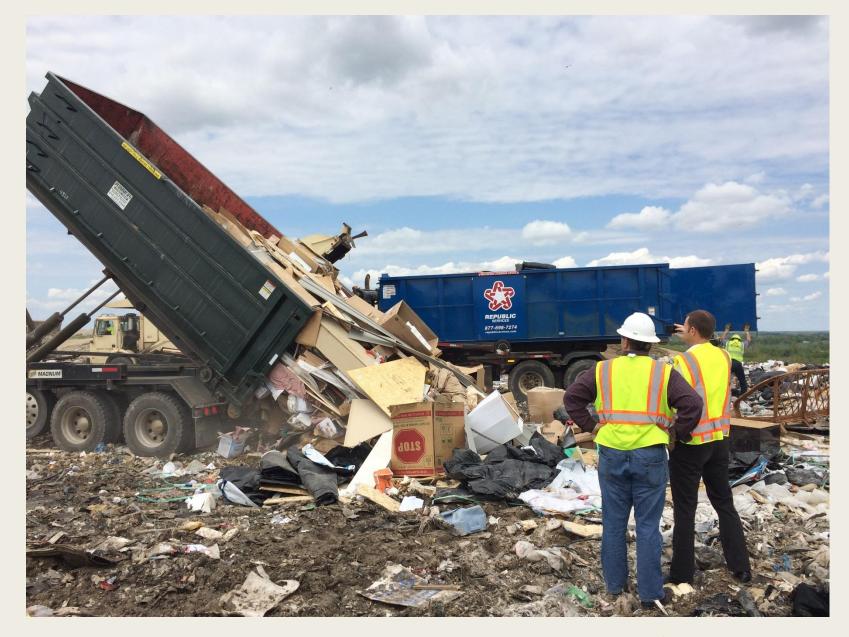
















South Kent Landfill

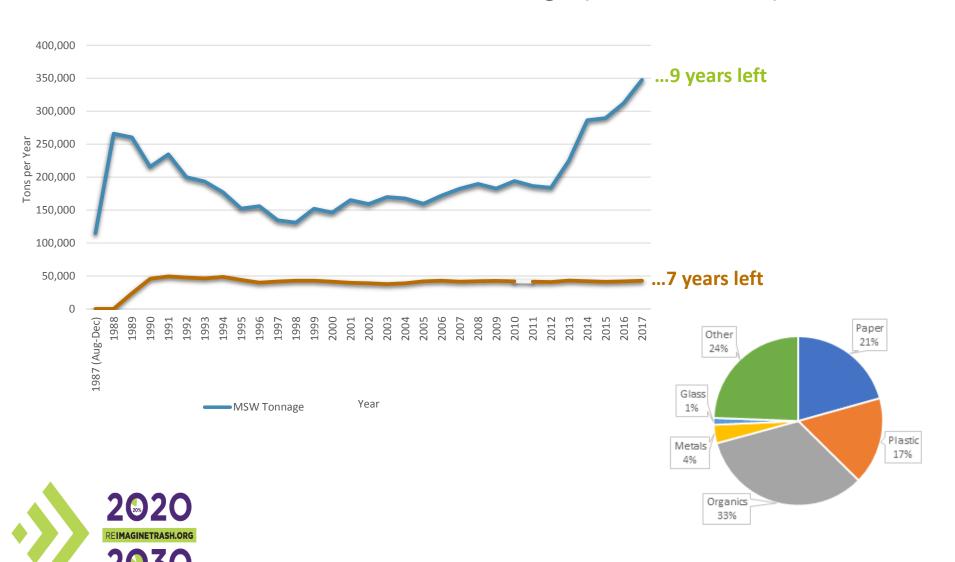
10 years of remaining airspace



2030



South Kent Landfill Tonnage (MSW and Ash)

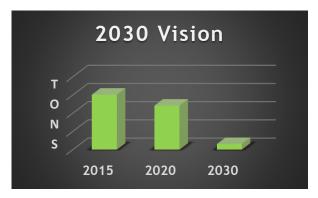


Our Goal: Reduce waste going to landfill

- In 2015, Kent County disposed of 1.8 million cubic yards of trash.
- In 2016... **1.9 million** cubic yards.
- In 2017, increased to 2.1 million cubic yards.

OUR GOAL: TO REDUCE LANDFILL WASTE









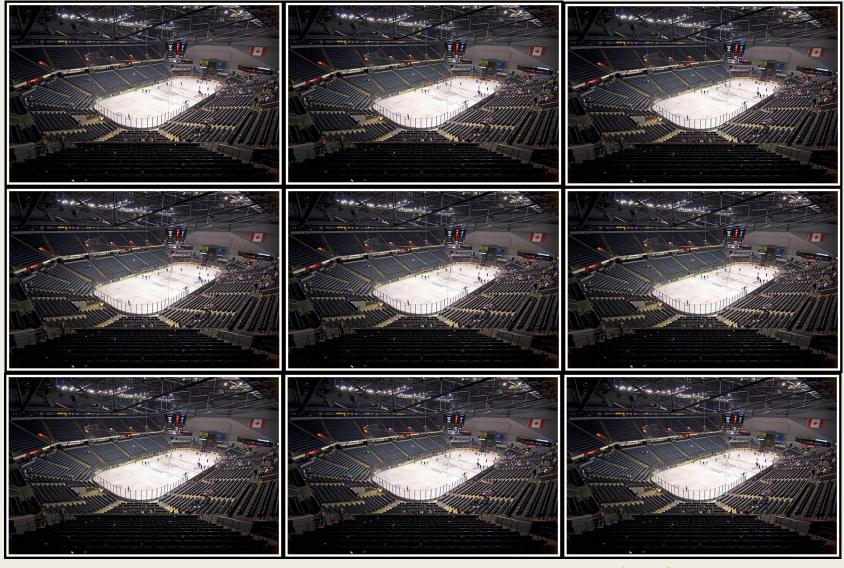
Kent County - two Michigan Stadiums <u>Every</u> Year...







... or nine Van Andel Arenas





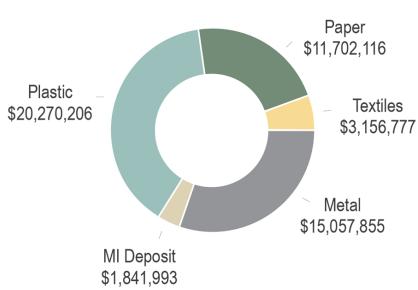




Landfill Characterization Study (WMSBF)



Total Value of W. Michigan MSW Material Disposed (\$)

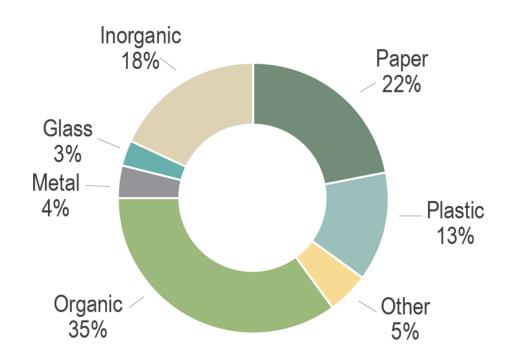




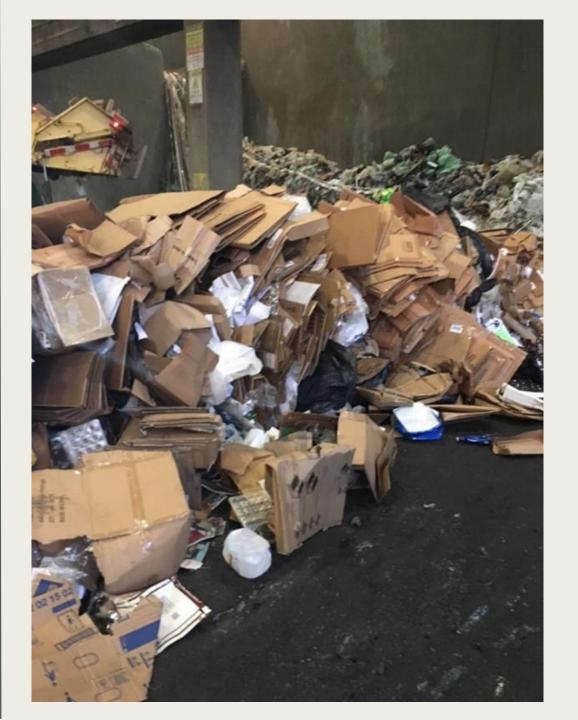
Source: West Michigan Sustainable Business Forum 2016 Michigan MSW Valuation Study. wmsbf.org/msw

What's In Our Trash?

Kent Municipal Solid Waste Composition (mean % by weight)

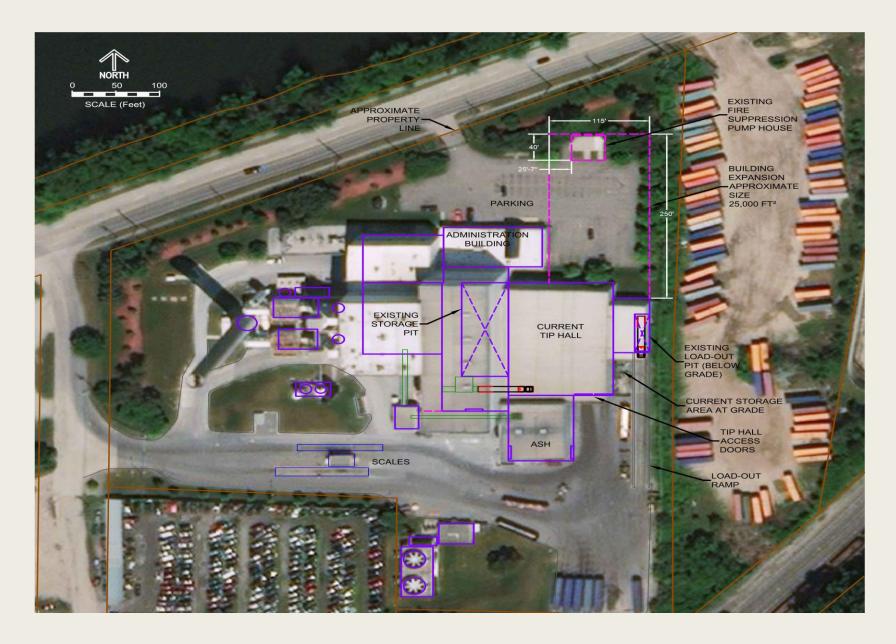






21,000 tons of OCC delivered to Waste-to-Energy facility annually.

















SRC

Stakeholder **Review** Committee





SOLID WASTE **MANAGEMENT CONSULTANTS**

















WHAT WE DO NOW

KENT COUNTY

PROCESSES OVER **525,000 TONS** = 1 BILLION LBS

OF WASTE EACH YEAR

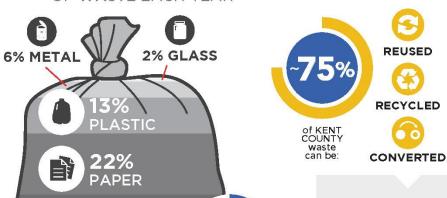
23%

34%

ORGANICS

OTHER

(B)



ONLY 6-8% IS

RECYCLED

WHAT WE COULD BE DOING

OUR GOAL: REDUCE LANDFILL WASTE

20% by 2020 | 90% by 2030

KENT COUNTY DEPARTMENT OF PUBLIC WORKS

200-ACRE SUSTAINABLE BUSINESS PARK



Potential Public, Private and Nonprofit Partners of the Proposed Sustainable Business Park





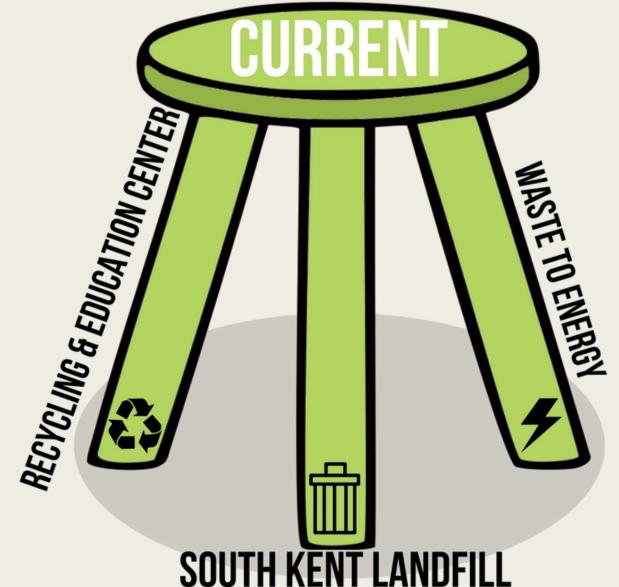








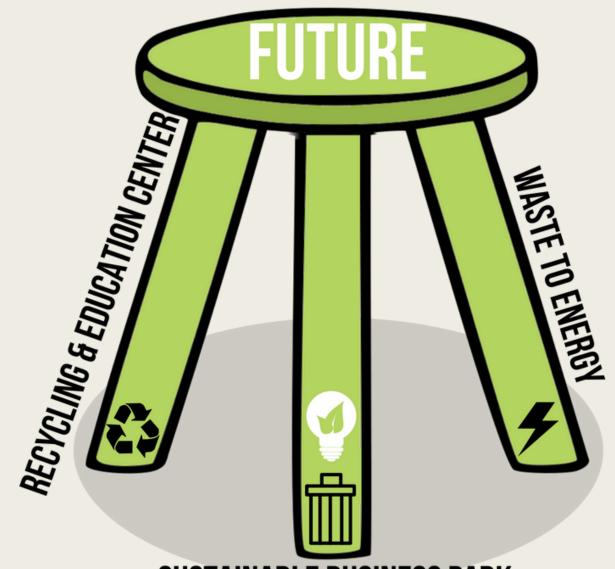




SOUTH KENT LANDFILL & NORTH KENT TRANSFER STATION







SUSTAINABLE BUSINESS PARK & NORTH KENT TRANSFER STATION



KENT



Mixed MSW

Company Partners

Mustang Renewable Power Ventures SIMS, OWS, Inc., Herhof GMBH, BioCNG

Urbaser
Sacyr Rooney Synagro, Waste Management, Veolia

Enerkem Ecohub

Entsorga

OWS, Inc.

Plexus Recycling Technologies Komptech, ET Environmental, and Hammond Farms

Gasification

Synova

Composting and Organics

Cocoa Corporation

Spurt Industries Engineered Compost Solutions

Ash Processing

Lab USA Inashco

Pure Recovery Group

Mixed MSW Demonstration/Pilot Plants

Michigan Tech University Convergen Energy

Fresh Technologies

Toterra Energy-Inc Park
Green Energy Experts Energy-Inc Park

QCI-Estech

Materials Processing

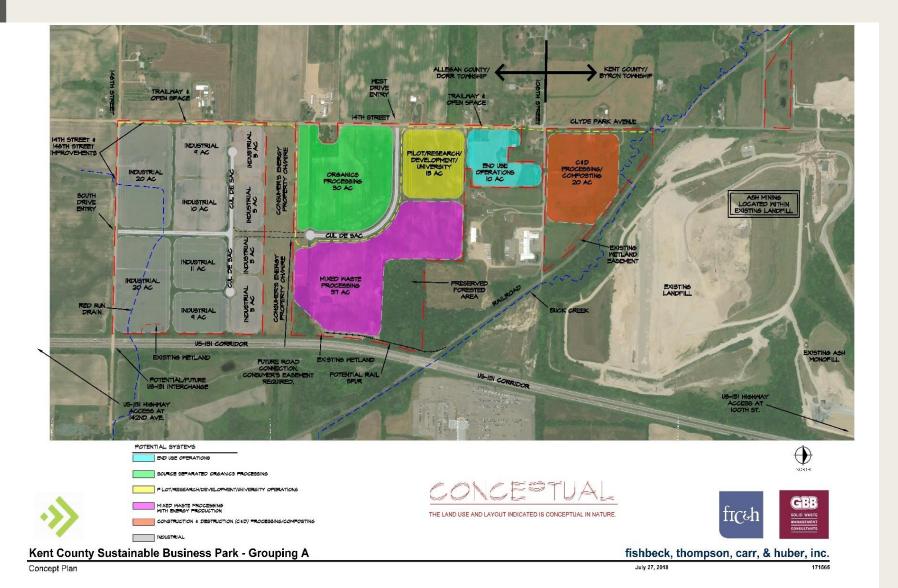
Materials Processin

Emterra

Odom Re-USE Co.

Sustainable Business Park By the Numbers

- **250 acres**: set aside for the Sustainable Business Park to serve as a hub and catalyst for waste utilization and conversion development in West Michigan.
- 23: 30 companies via 23 responses who replied to the RFI and are anxious to hear an update from us. The number of respondents from around the world to the formal Request for Information (RFI) for the Sustainable Business Park Master Plan:









AERIAL OVERVIEW BOURG-EN-BRESSE PLANT



Courtesy Organic Waste Systems (OWS)









Courtesy Organic Waste Systems (OWS)







http://www.reimaginetrash.org/wp-content/uploads/2018/08/Sustainable-Business-Park%20-Draft-Master-Plan.pdf









20% 20%

REIMAGINETRASH.ORG

COUNTY
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