

Department of Public Works

Performance Measurement Review

October 2020



**KENT COUNTY
DEPARTMENT OF
PUBLIC WORKS**

DPW Structure

- Administration & Finance
- Solid Waste Operations
- Recycling & Resource Recovery
- Waste-To-Energy
- Environmental Compliance
- Close Landfill Remediation



Facilities

- Waste-To-Energy
- Single Stream Recycling
- Landfill
- Transfer Station
- Recycling Service Centers

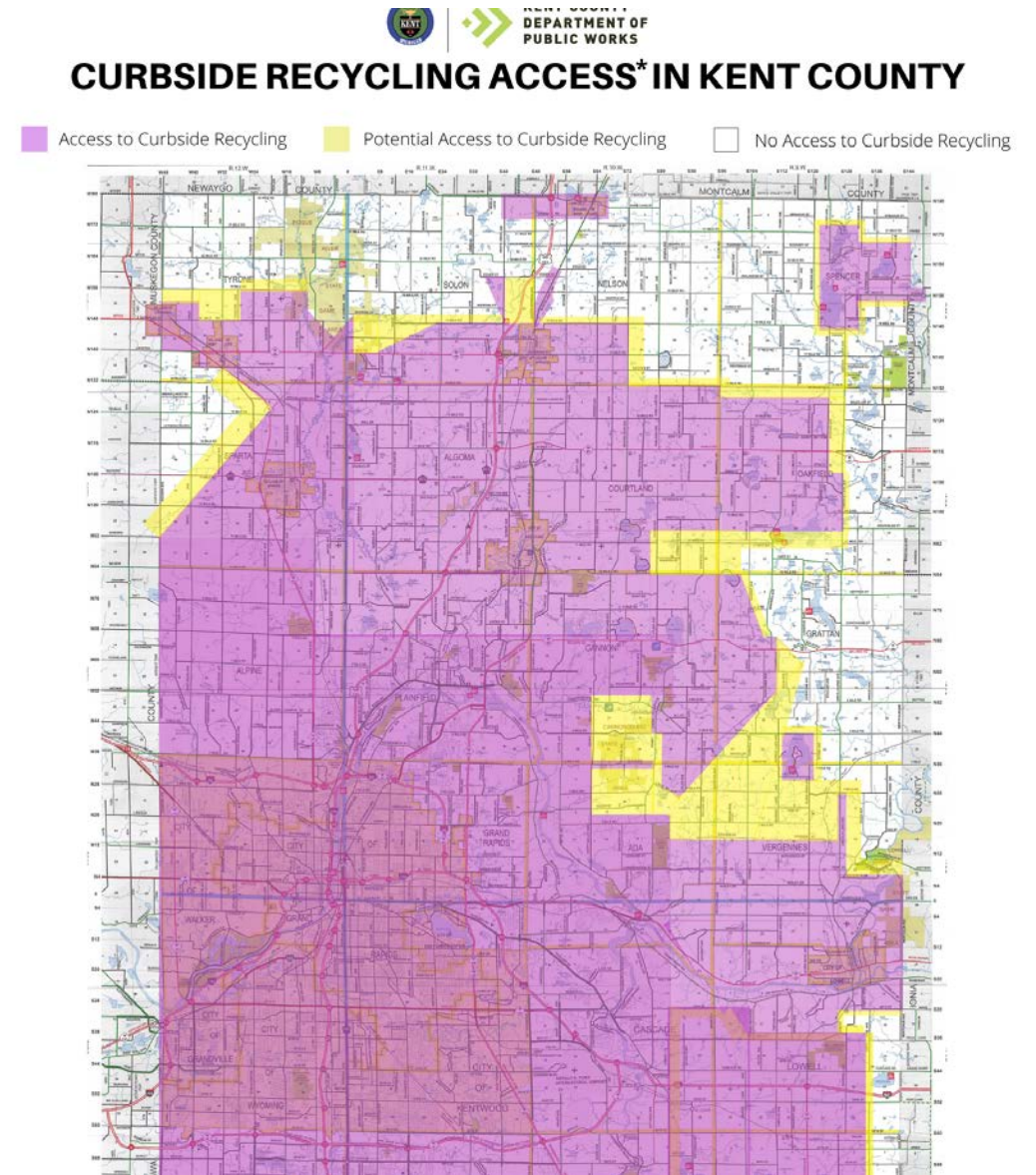


Department Strategic Goals

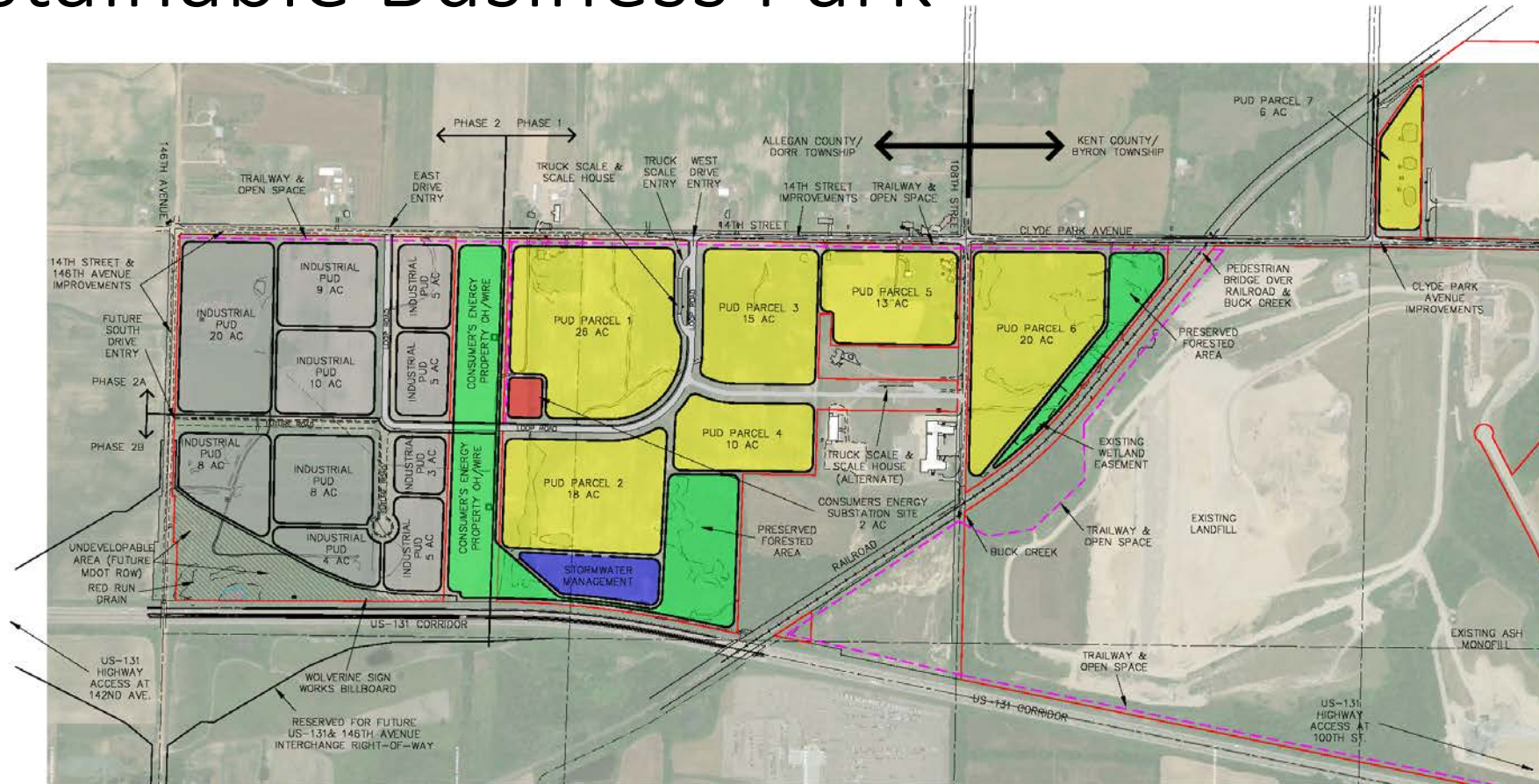
- Achieve a 90% reduction in landfilling discards by 2030.
- Pilot multifamily residential recycling program with waste haulers.
- Develop strategic public/private partnerships to attract investment in sustainable materials management infrastructure.
- Implement Sustainable Business Park business and infrastructure development by partnering with The Right Place.
- Increase residential recycling participation to 50 percent by 2023.
- Meet the State's standards for testing, filtering and treatment of landfill leachate impacted by PFAS.

Residential Recycling Study

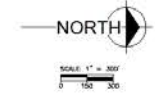
- **Only about 1 in 4** Kent County households recycle.
- If every household recycled their plastic bottles, cans, glass jars, papers, cardboard boxes and metal cans, **they would divert nearly 100,000 tons** of material from being discarded.
- In 2018, the Kent County Recycling & Education Center **only received 25,000 tons** of recyclables from 254,396 residences.



Sustainable Business Park



- POTENTIAL SYSTEMS**
- PROPOSED PUD ZONING
 - FUTURE INDUSTRIAL/PUD ZONING
 - DEDICATED/PRESERVED OPEN SPACE
 - FUTURE/PRESERVED FOR MDOT RIGHT-OF-WAY
 - STORMWATER MANAGEMENT AREA
 - CONSUMER'S ENERGY SUBSTATION



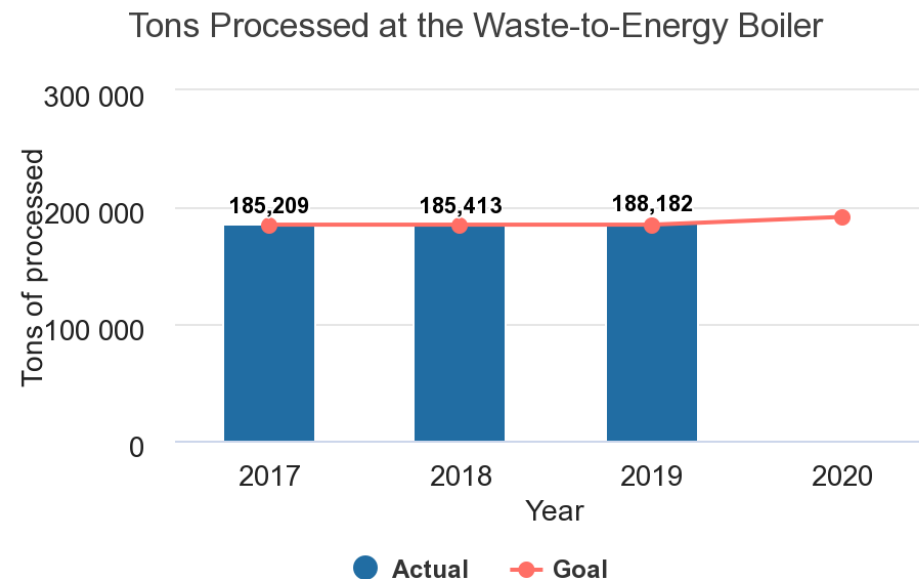
CONCEPTUAL
THE LAND USE AND LAYOUT INDICATED IS CONCEPTUAL IN NATURE

Key Performance Metrics

Priority: Excellence in Service Delivery

Goal: Waste-to-Energy (WTE) facility - a Clean Corporate Citizen operations processing municipal solid waste and 100,000 MWh of electricity annually.

Objective: Maintain boiler availability at 92% or better and process 185,000 tons annually.



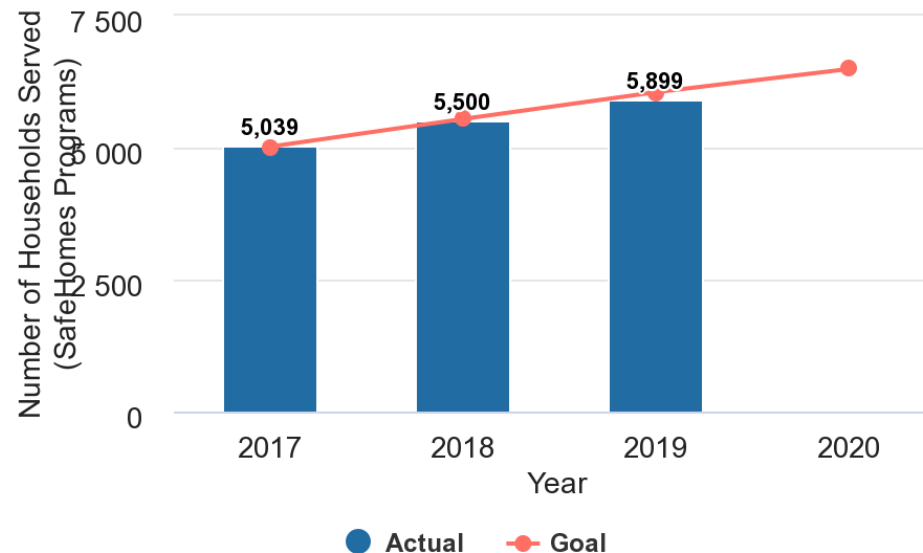
Key Performance Metrics

Priority: Excellence in Service Delivery

Goal: Provide safe and sustainable disposal of medical waste, prescription drugs, electronics and household hazardous waste through SafeHome programs.

Objective: Expand participation in SafeHome – SafeChem programs through education and focused outreach.

Number of Households Served (SafeHomes Programs)

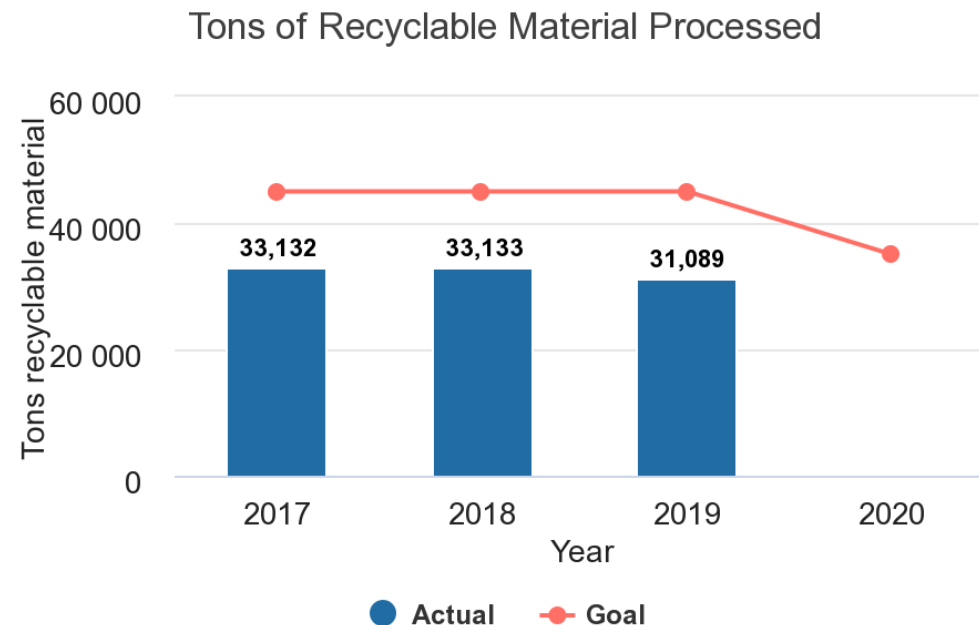


Key Performance Metrics

Priority: Excellence in Service Delivery

Goal: Market sustainable materials management strategies and DPW services to support business, residential and customer waste diversion and recycling efforts.

Objective: Maintain 95% facility availability at the Recycling & Education Center to process up to 40,000 tons annually.



2019 Significant Accomplishments

Negotiated 20-year PPA with Consumers Energy for the Waste-to-Energy facility.

Completed residential recycling study.

Completed property acquisition and concept design to relocate administrative offices/SafeChem to the Recycling & Education Center campus.

Successful MEDC Site Readiness and EGLE Recycling Infrastructure grant applications to support Sustainable Business Park design work and to divert construction & demolition debris at the North Kent Transfer Facility.

Looking Ahead

Sustainable Business Park – Anchor Tenant Recommendation early 2021.
Administrative Offices/SafeChem Relocation late 2021
Solid Waste Advisory Committee Work early 2021



TAKE THE PLEDGE TODAY: REIMAGINETRASH.ORG

OUR GOAL

2020



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

2030



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