

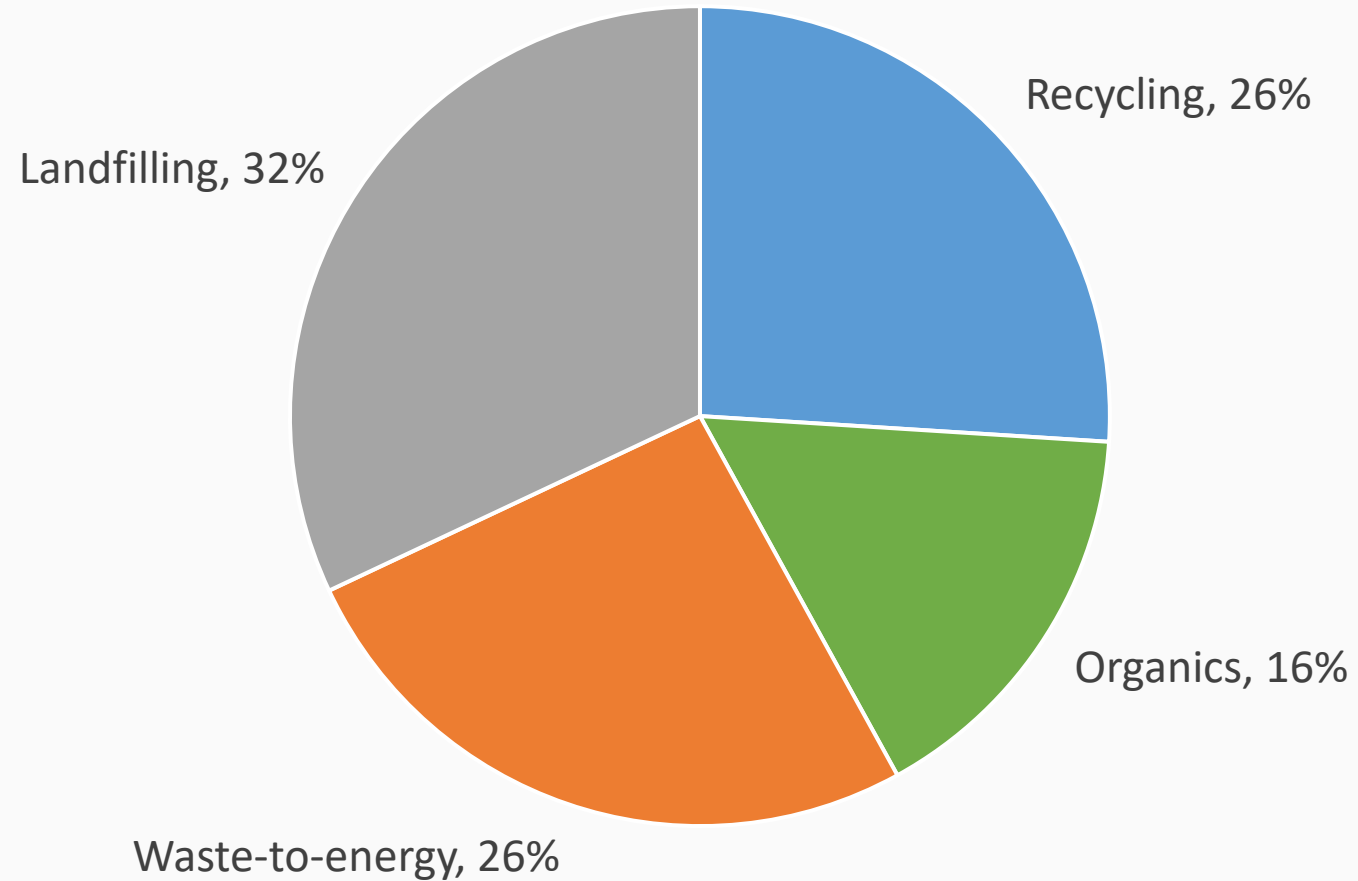


Hennepin County's Path to Anaerobic Digestion

We generate a lot of waste



We recycle about 50%



We can do better, but where should we begin



We looked in the trash



Organics are the most common material

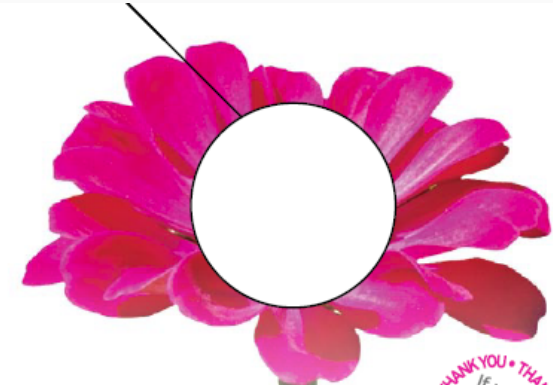
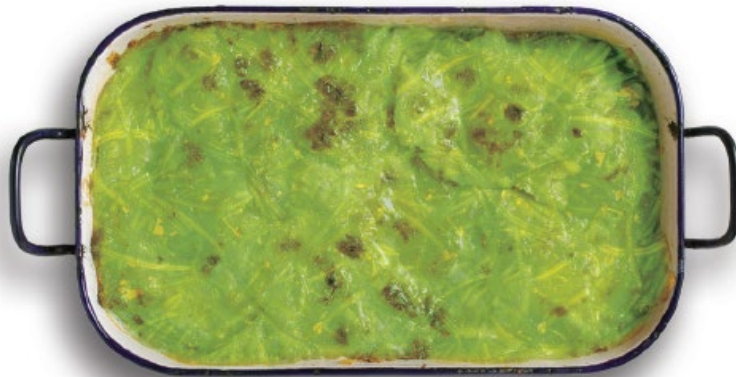


How do we get organics out of the trash?



In the beginning there were pilots

**Nobody touched
Aunt Sally's
green bean
surprise?**

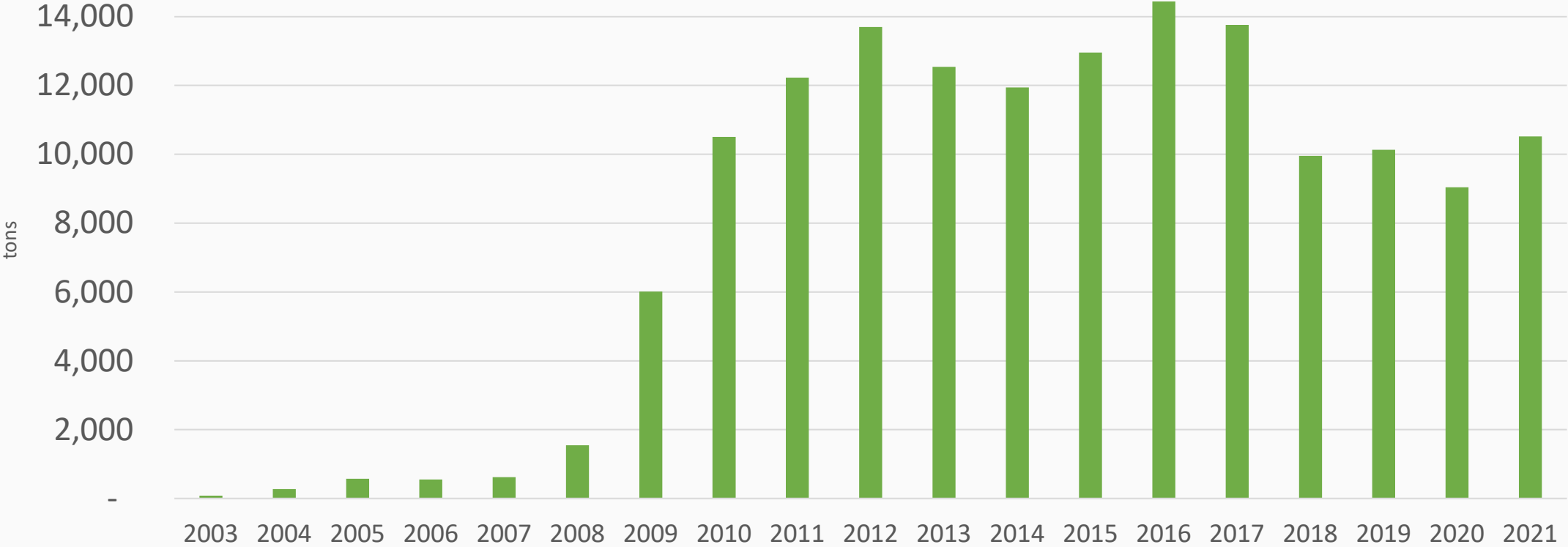


**Did you
know you can
order an
Organics Cart?**

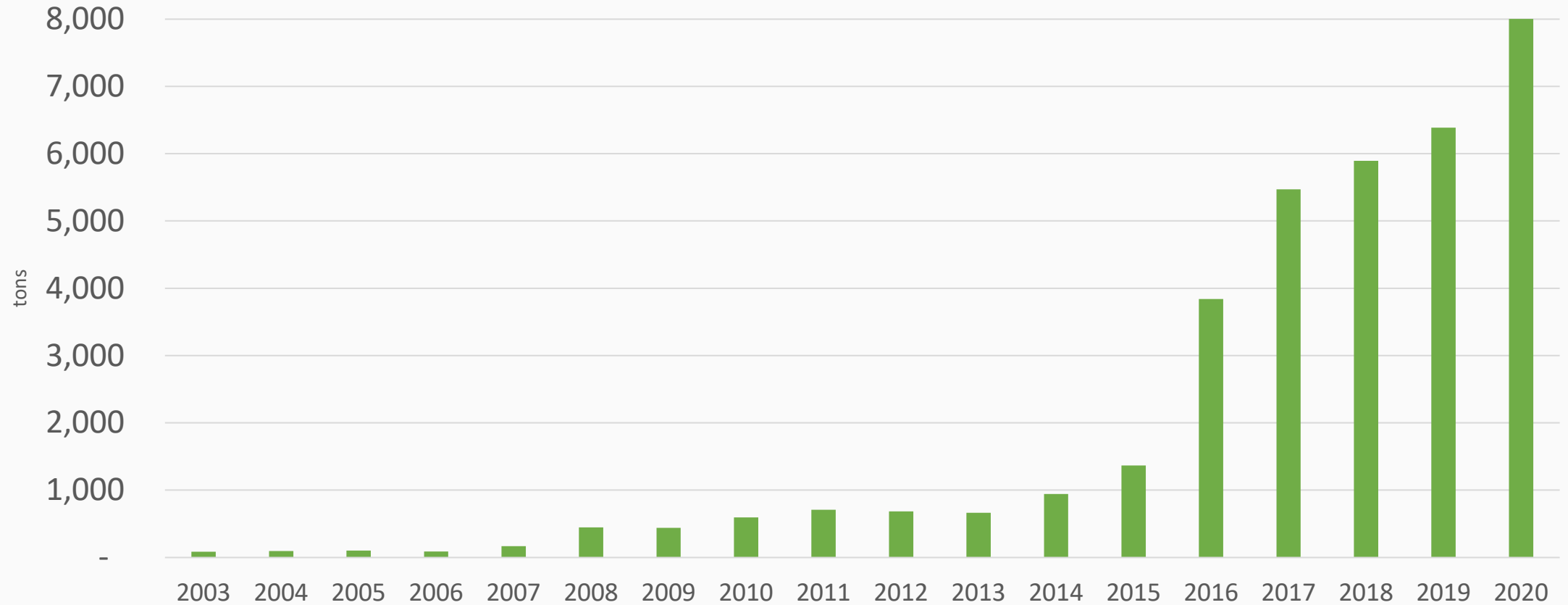
**Reduce the amount of
trash you produce by half**

THANK YOU • THANK YOU • THANK YOU
If you
already
have
a cart
THANK YOU • THANK YOU • THANK YOU

Our transfer station helped organics grow



Residential organics grew slowly



Minneapolis has been a great example



Our master plan had a focus on organics



- Require residential organics recycling
- Require organics recycling for certain businesses
- Develop infrastructure
- Reduce food waste

Ordinance 13 revisions focused on organics



Anaerobic digestion RFQ



Site

- Respondents seeking 2-10 acre site



Feedstock commitment

- Respondents are looking for commitments of 12,000-40,000 tons per year



Financing

- Preferred contracting arrangements range from public private partnerships to 100% developer financing



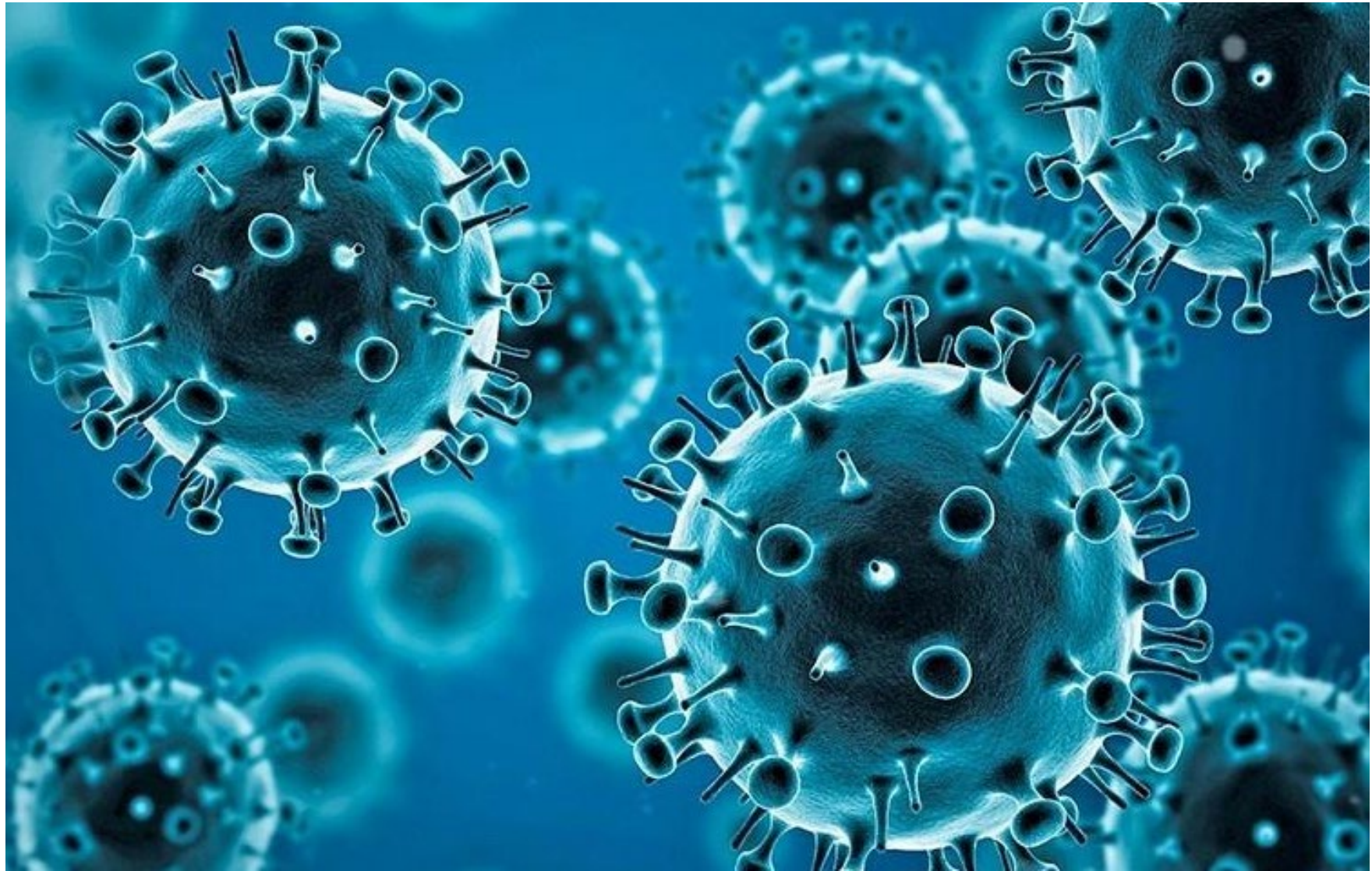
Agreements to purchase products

- Seeking offtake agreements with a minimum 7 year commitment

March 2020

- Ready to release the AD RFP
- And then...





Hennepin County Climate Action Plan

HENNEPIN COUNTY
MINNESOTA

➤ Climate Action Plan



Strategies to cut greenhouse gas emissions and adapt to our changing climate in ways that reduce vulnerabilities and ensure a more equitable and resilient Hennepin County

May 2021



Anaerobic digestion RFP



Goal: Reduce emissions in ways that align with core county functions and priorities



Objective: Greenhouse gas emissions associated with waste and material use are reduced to meet county goals

Strategy: Prevent food waste and divert organic material from the trash

- Support food rescue efforts to divert more food to people in need.
- Help businesses and organizations that produce a lot of food waste implement best practices for preventing food waste.
- Use research gathered by surveying residents and conducting focus groups into the barriers and benefits to reducing wasted food at home to develop a consumer campaign on food waste prevention.
- Continue to support and fund residential and commercial organics recycling programs and implement business food waste recycling requirements and city residential organics recycling requirements.
- Develop organics recycling infrastructure by advancing anaerobic digestion and making improvements to the Brooklyn Park Transfer Station.
- Close the loop by increasing the use of compost in county projects and encouraging public and private partners to do the same.
- Expand organics collection and improve recycling at county facilities.

Strategy: Reuse and recycle construction and demolition waste

- Require the salvage and recycling of construction and demolition waste at all county-funded building projects.
- Educate county contractors on building material reuse and recycling.
- Increase implementation of in-place pavement rehabilitation in road projects.
- Sustainably manage waste after disasters.

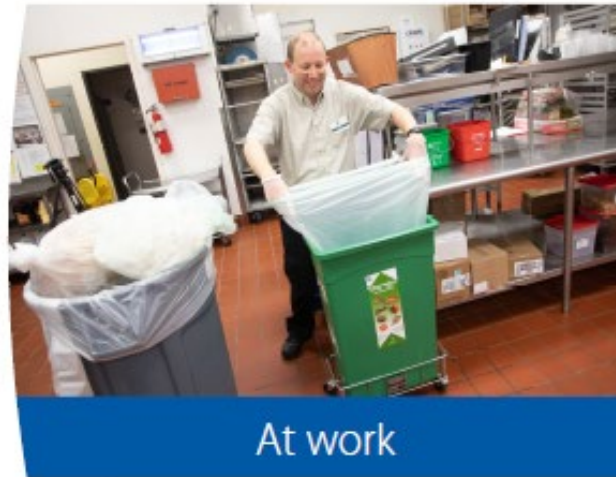


“We need to ask more of people. The assumption that we can all continue to live as we always have, consuming and disposing wantonly, driving everywhere, is a fallacy, and we need initiatives that make it easy for people to change their habits. Or expectations that require change. And the county must lead the way. Every county building should have organics recycling, 100% green energy, and other easy changes. If the county isn't showing up and making changes, no one else will.”

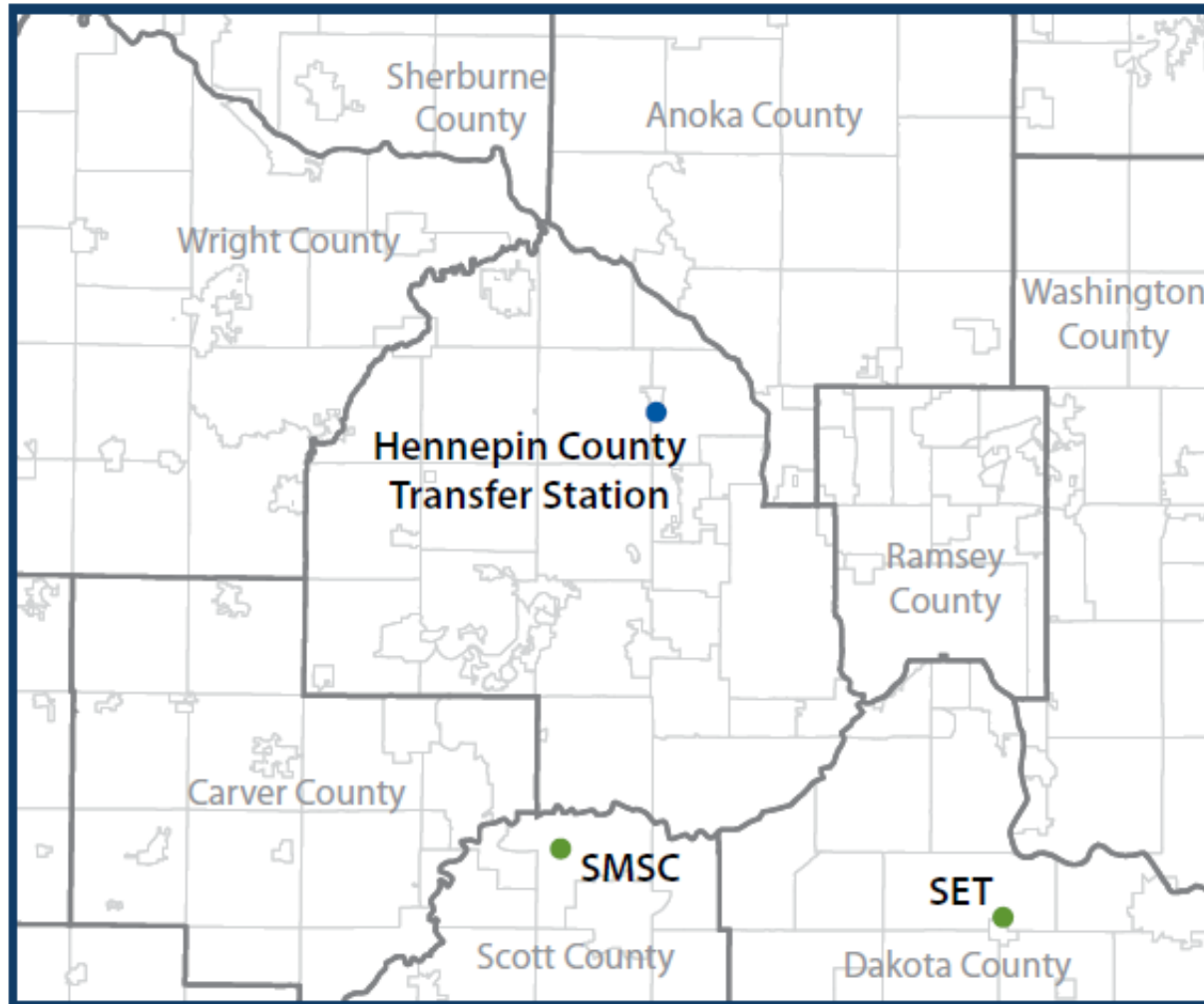
– Resident comment



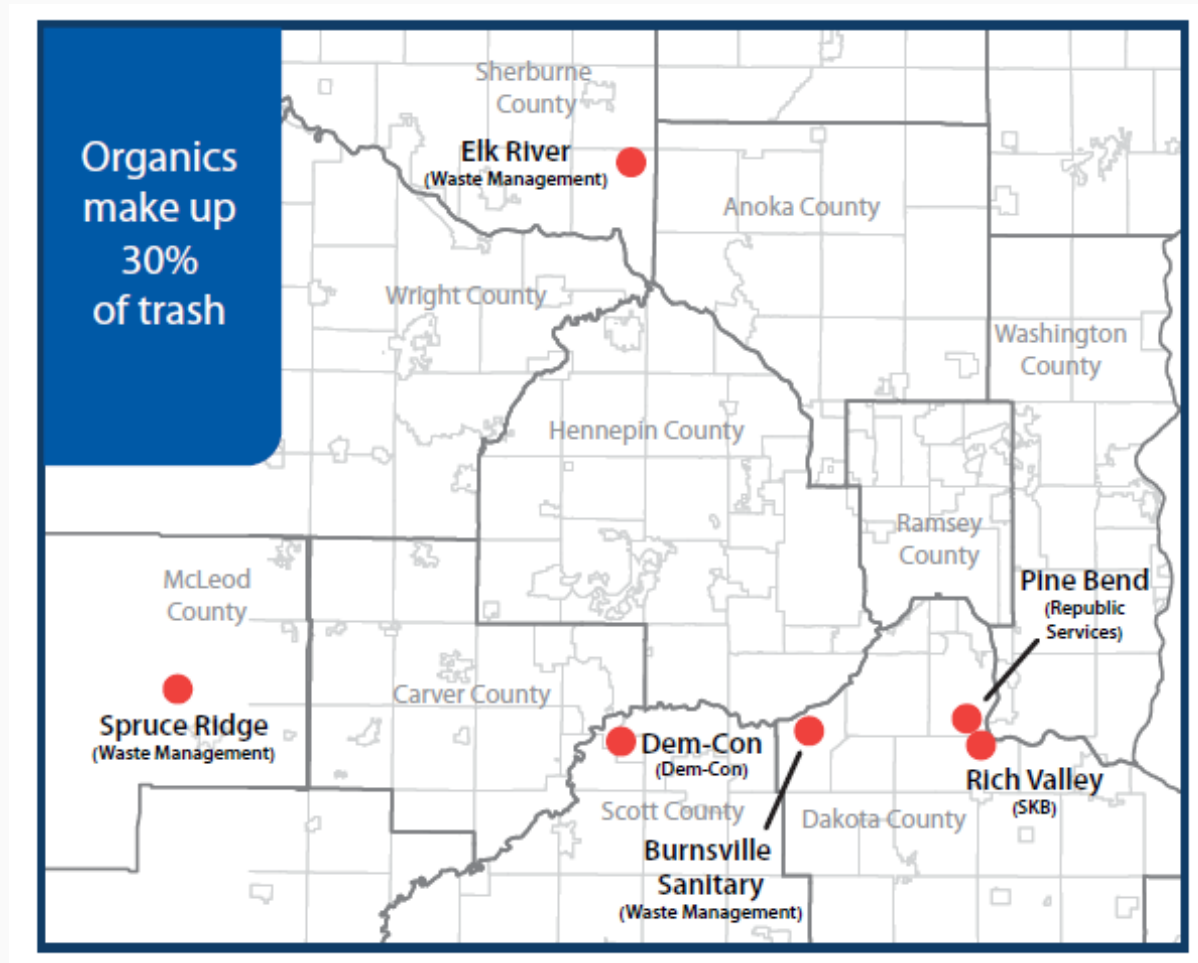
Organics programs keep growing



More organics processing capacity is needed



The alternative... landfills keep expanding



Anaerobic digestion diversifies our system



Food waste prevention



Food-to-people

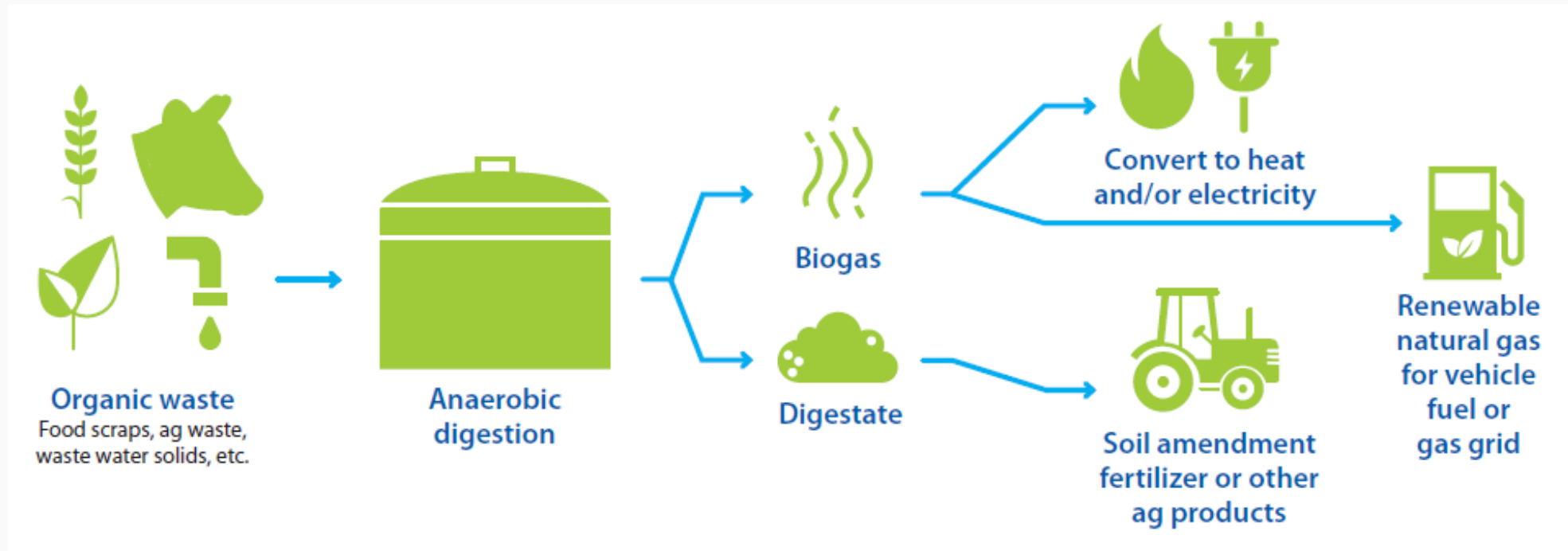


Food-to-animals



Composting

How anaerobic digestion works



We're proposing to expand our facility in Brooklyn Park

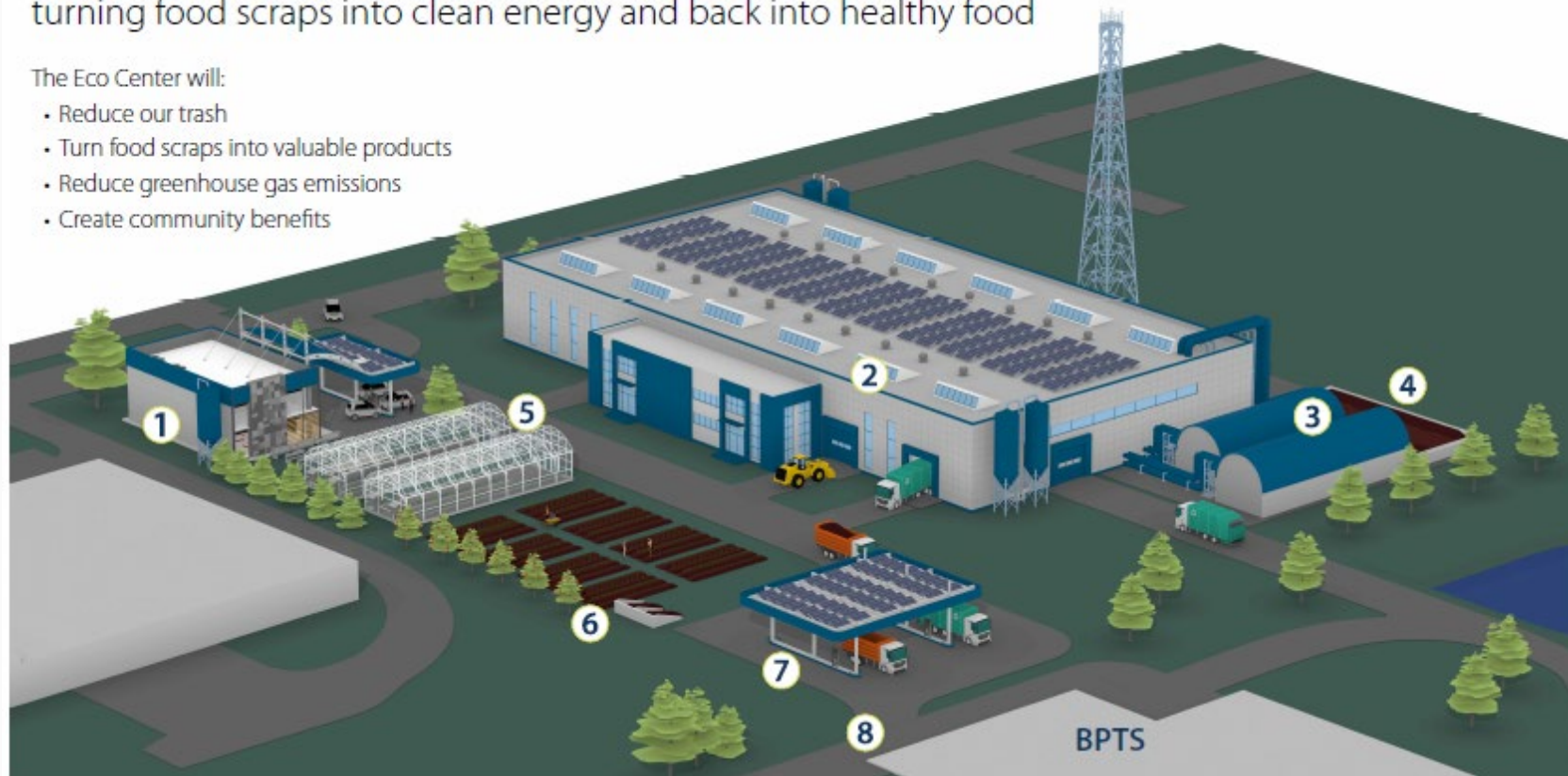


Hennepin County Eco Center

Advancing our climate, zero waste and healthy community goals by turning food scraps into clean energy and back into healthy food

The Eco Center will:

- Reduce our trash
- Turn food scraps into valuable products
- Reduce greenhouse gas emissions
- Create community benefits



Project information

[Hennepin County](#) > [Projects and initiatives](#) > [Anaerobic digestion facility](#)

Anaerobic digestion facility

Hennepin County is proposing to build an anaerobic digestion (AD) facility adjacent to the county's Brooklyn Park Transfer Station at 9401 83rd Avenue in the City of Brooklyn Park. The facility would be capable of processing a minimum of 25,000 tons per year of [organics](#) to produce clean, renewable energy and beneficial agricultural and soil products.

This facility will help the county make progress toward [zero waste](#) and climate action goals.

Proposed timeline: anaerobic digestion facility



 [Anaerobic digestion facility factsheet \(PDF\)](#)

Project website: <https://www.hennepin.us/your-government/projects-initiatives/Anaerobic-digestion>