

A green recycling bin is shown, filled with a variety of food waste. Visible items include yellow and red bell peppers, leafy greens, carrots, a blue plastic container, and other vegetable scraps. The bin is open, and the contents are piled up. The text is overlaid on this image.

Increasing Food Recovery: A Focus on Composting and Anaerobic Digestion

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22%

of waste in landfills is
food waste

40%

of all food produced in
the U.S. is thrown away



1 in 7

people is food insecure, lack-
ing access to adequate food



\$1,500/year
What a family of 4 spends
on wasted food



Credit: Sean Parsons



By 2030:

Let's cut the amount of food we waste in half.

APRIL IS WINNING ON REDUCING FOOD WASTE MONTH



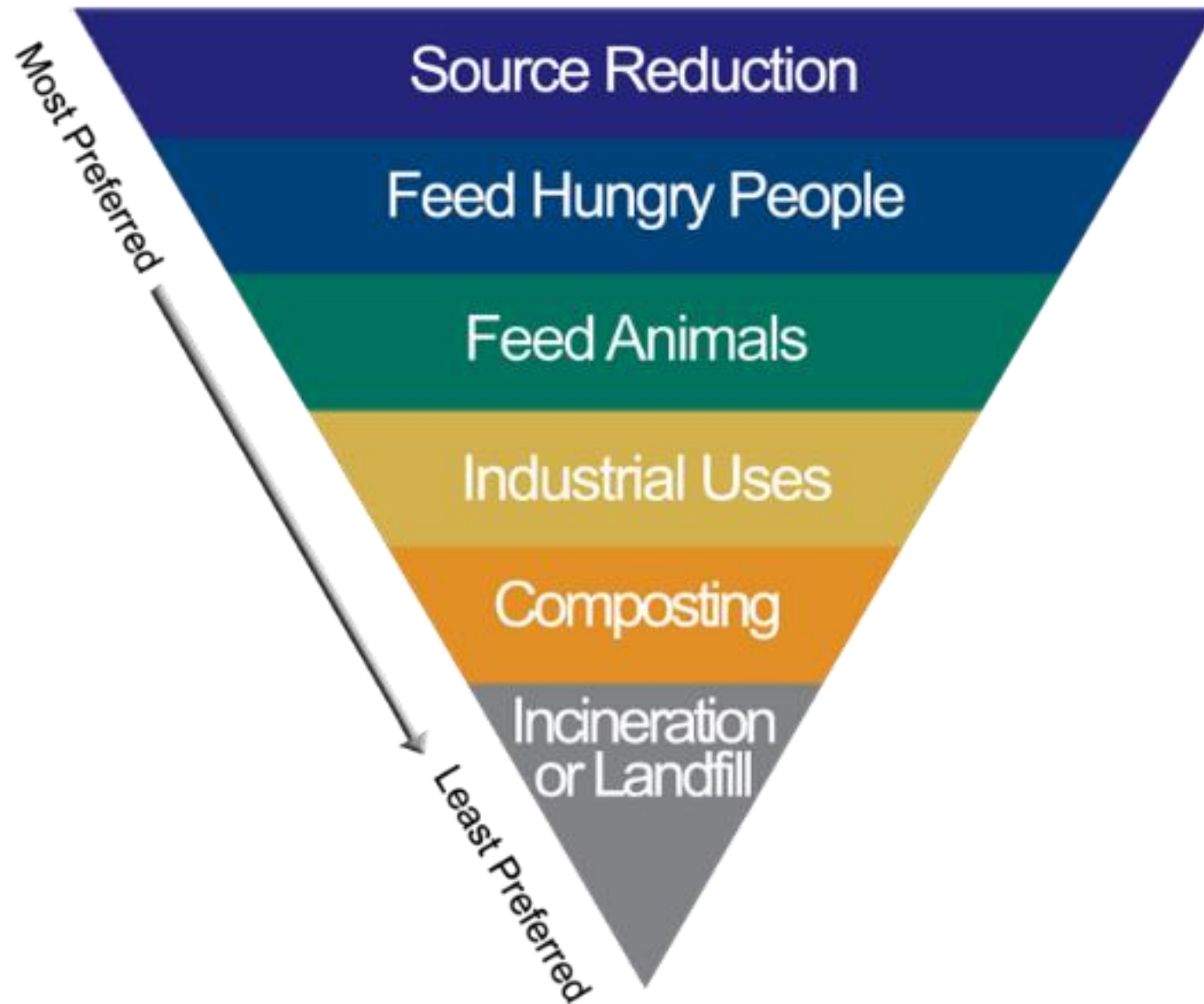
**30-40% OF ALL
AVAILABLE **FOOD**
IN THE U.S. IS
WASTED**

**Do your part. Join your federal partners
in reducing food waste.**

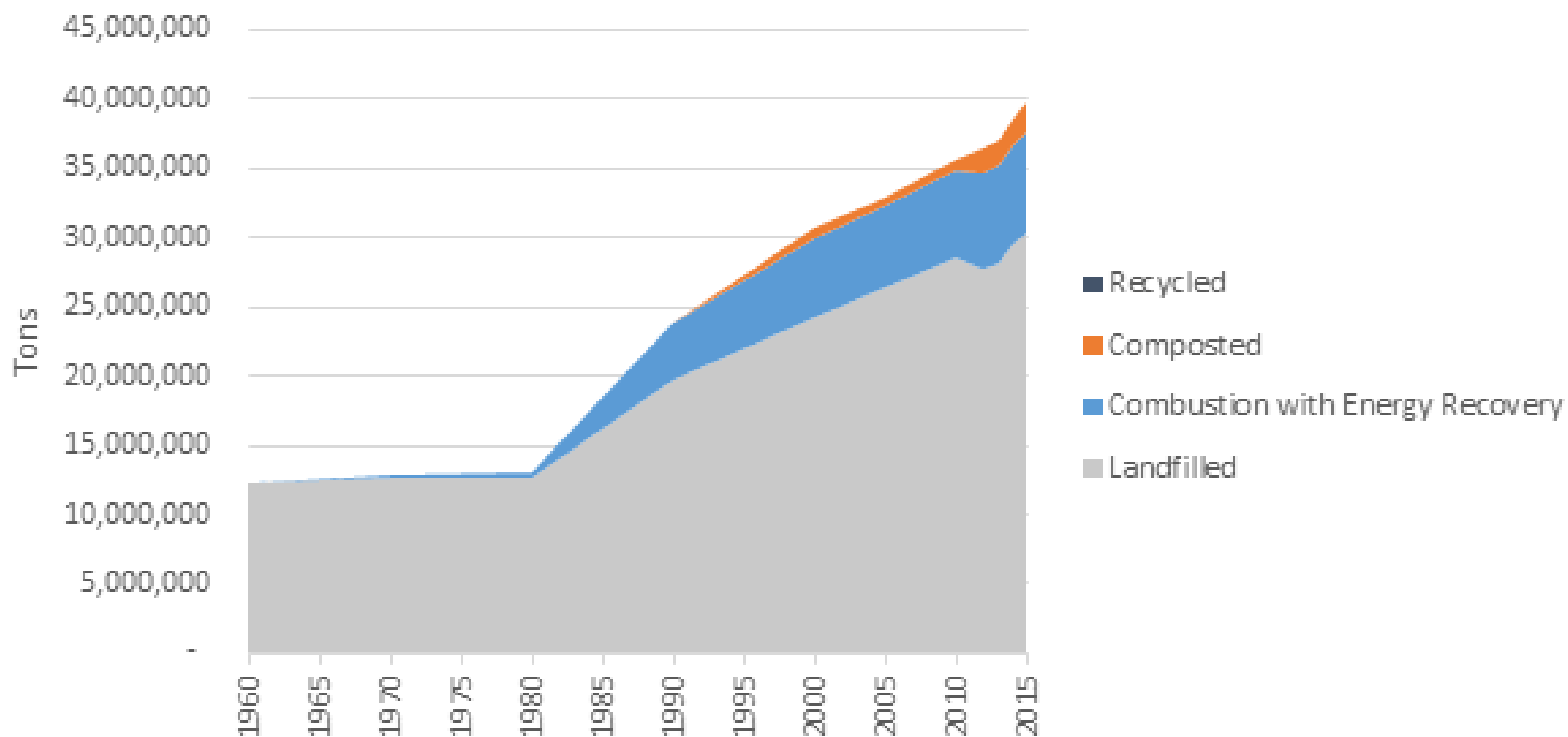
#NoWastedFood



Food Recovery Hierarchy

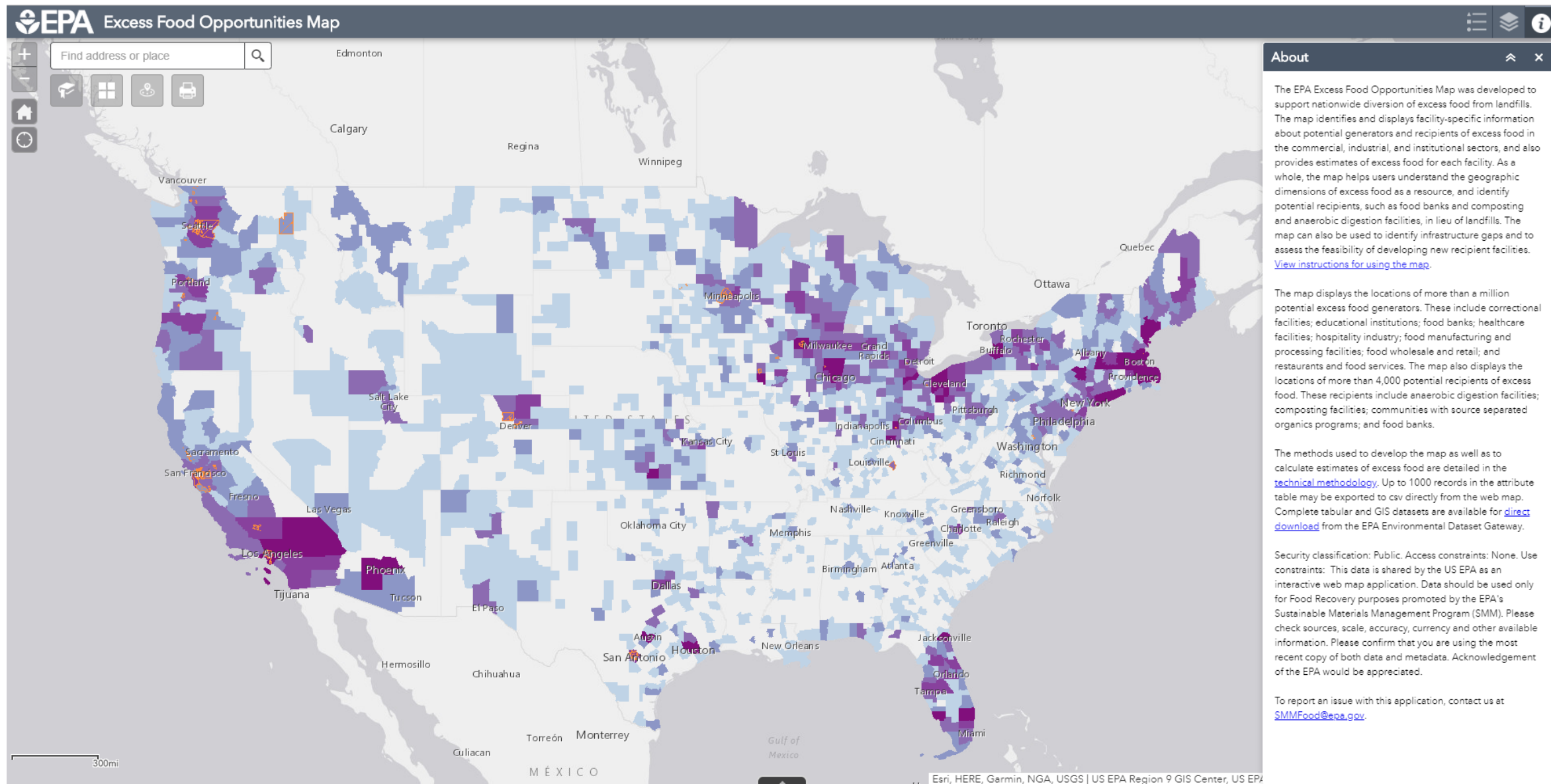


Food Waste Management: 1960-2015



Source: EPA's 2015 Advancing Sustainable Materials Management: Facts and Figures Report

US EPA Excess Food Opportunities Map version 2.0



Direct link to the map: <https://geopub.epa.gov/ExcessFoodMap/>

Overview: Excess Food Opportunities Map

- Identifies **potential excess food generators** and estimated quantities from institutional, commercial & industrial facilities
- Identifies **potential recipients** of excess food
- Can be used to identify strategic opportunities for location-specific management of excess food
- Potential users include:
 - State & local governments
 - Private sector and nonprofits
 - Prospective project developers (e.g., compost or anaerobic digester facility)
 - Businesses who generate excess food

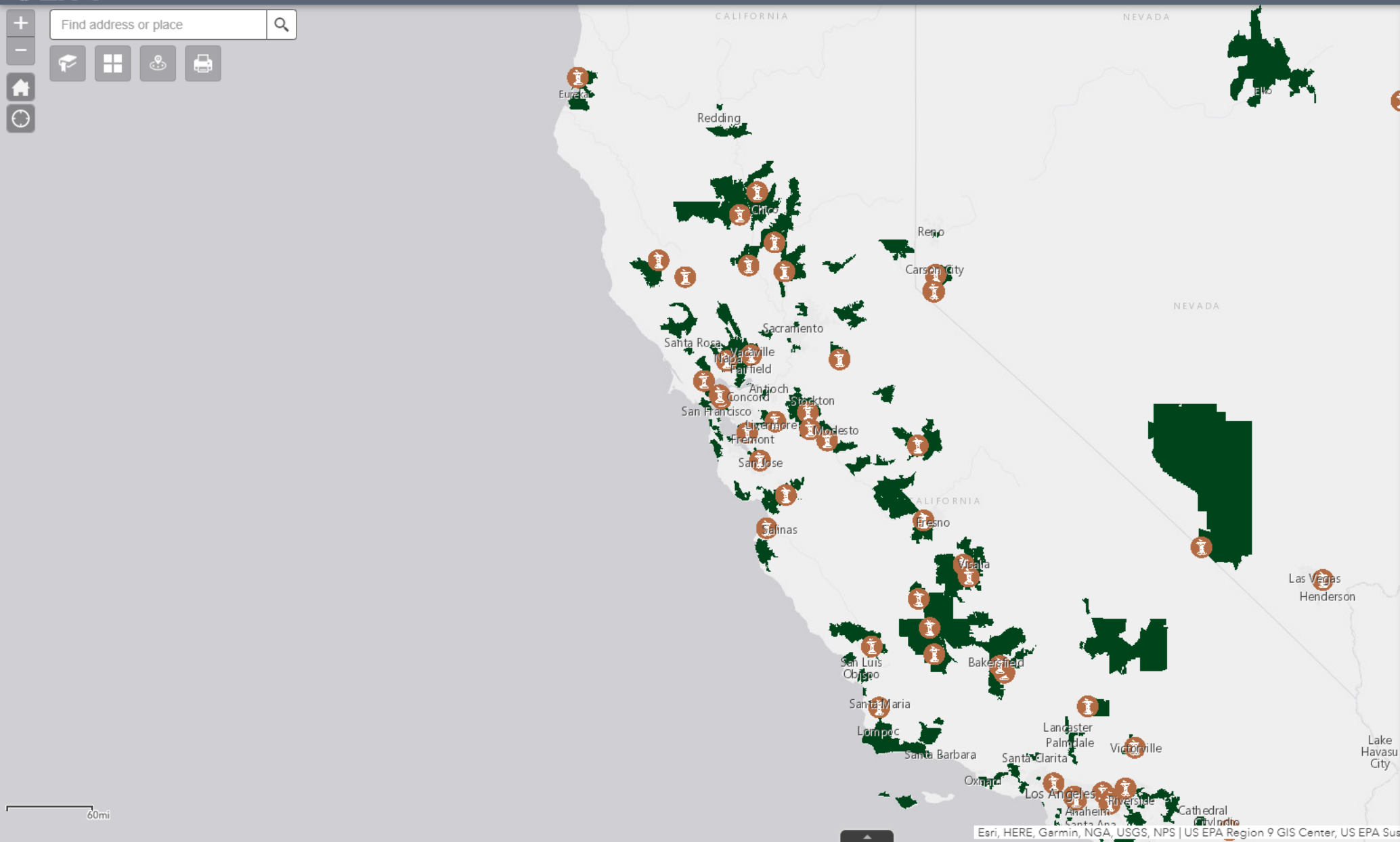
Functionality of Excess Food Opportunities Map

The map does provide:

- Geographic locations of potential generators and recipients
- Estimates of excess food generation rates at the establishment level
- Estimated edible fraction of excess food for grocery stores & supermarkets only
- Plate excess estimates for colleges & universities only
- Service area for communities with organics collection programs
- Select contact information

The map does not provide:

- Exact measurements of excess food
- Indication of existing generator diversion activity
- Capacity of potential recipients to accept excess food
- Estimates of on-farm excess food



Layer List

- ☐ Food Banks ...
- ☐ Healthcare Facilities ...
- ☐ Hospitality Industry ...
- ☐ Food Manufacturers and Processors ...
- ☐ Food Wholesale and Retail ...
- ☐ Restaurants and Food Services ...
- ☒ Recipients of Excess Food ...
 - ☐ Communities with Source Separated Organics Programs ...
 - ☒ Composting Facilities ...
- ☐ Recipients by County ...
 - ☐ All Recipients of Excess Food ...
 - ☒ Composting Facilities ...
 - ☒ Anaerobic Digestion Facilities ...
- ☒ Recipients by Zip Code ...
 - ☐ All Recipients of Excess Food ...
 - ☒ Composting Facilities ...
 - ☒ Anaerobic Digestion Facilities ...
 - ☐ Food Banks ...
- ☒ All Food Banks ...
- ☒ All Composting Facilities ...
- ☒ All Anaerobic Digestion Facilities ...

Anaerobic Digestion Data Collection Project

Stand-alone

On-farm

WRRF



<https://www.epa.gov/anaerobic-digestion/anaerobic-digestion-tools-and-resources>

AD Data Collection Project



- Identify number and location of AD facilities



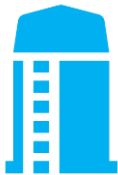
- Document processing capacity & track over time



- Types of feedstocks and sources



- Amount of food waste processed

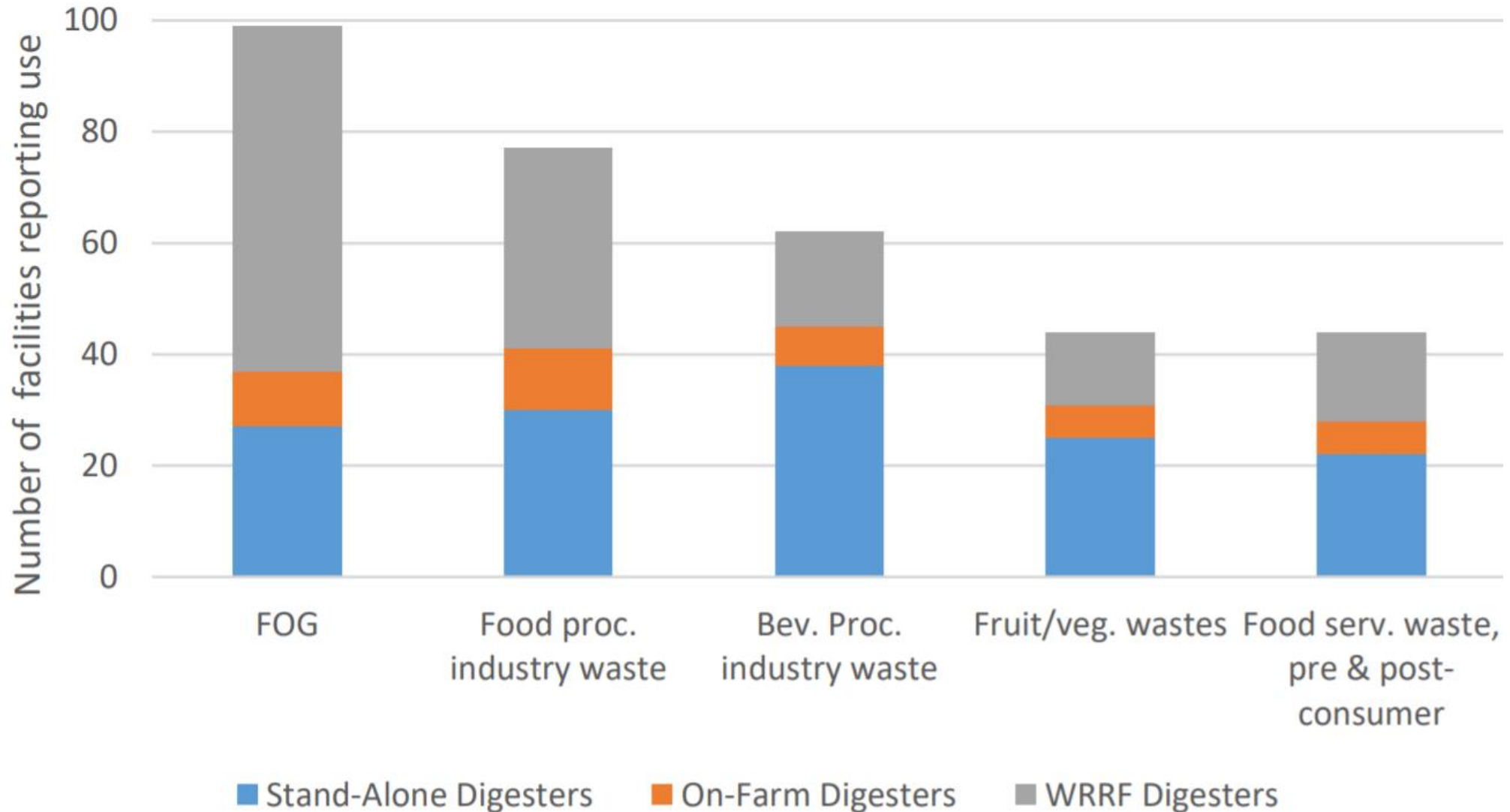


- Amount of biogas produced

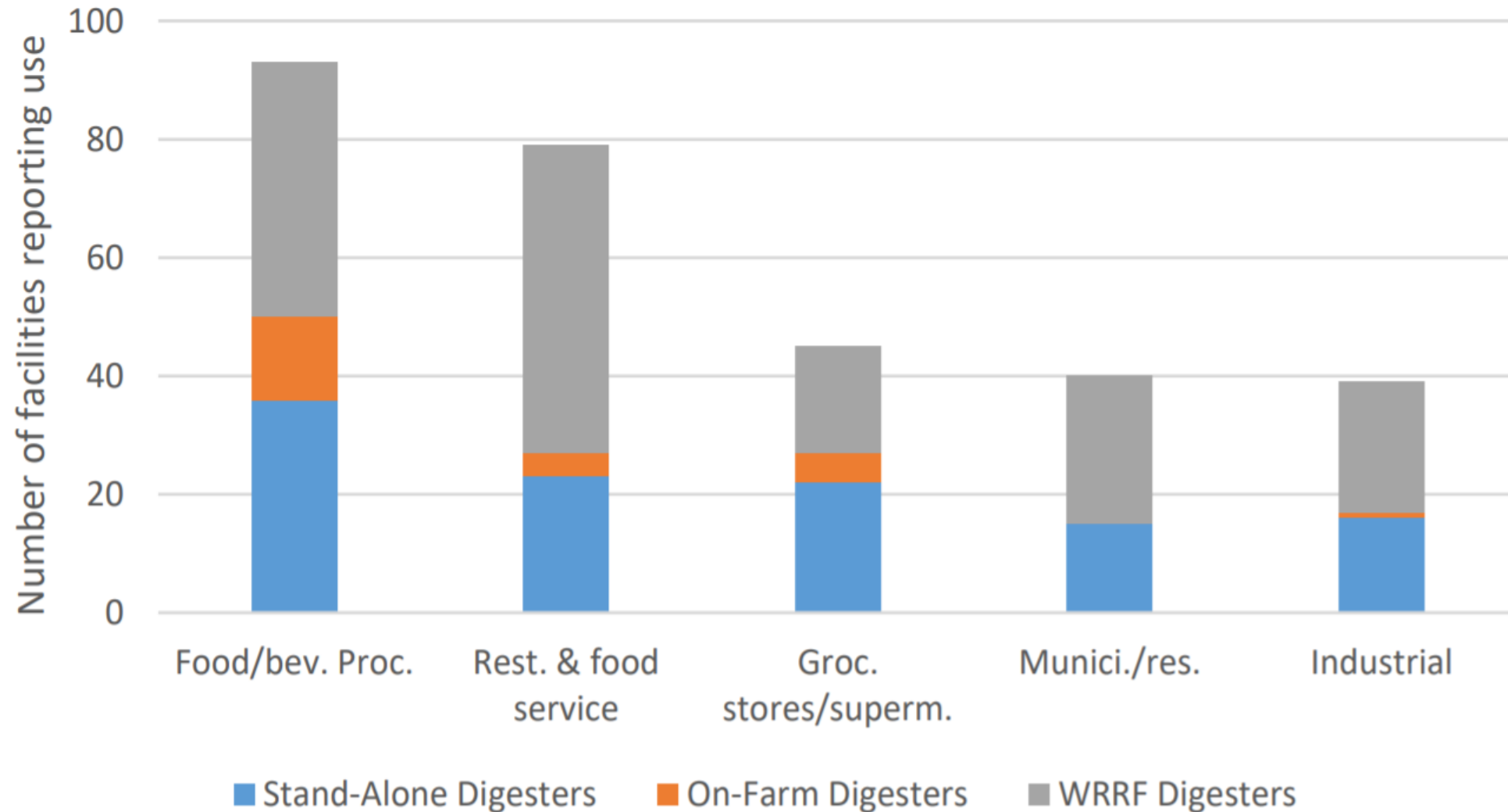


- Analyze the end-uses of AD products

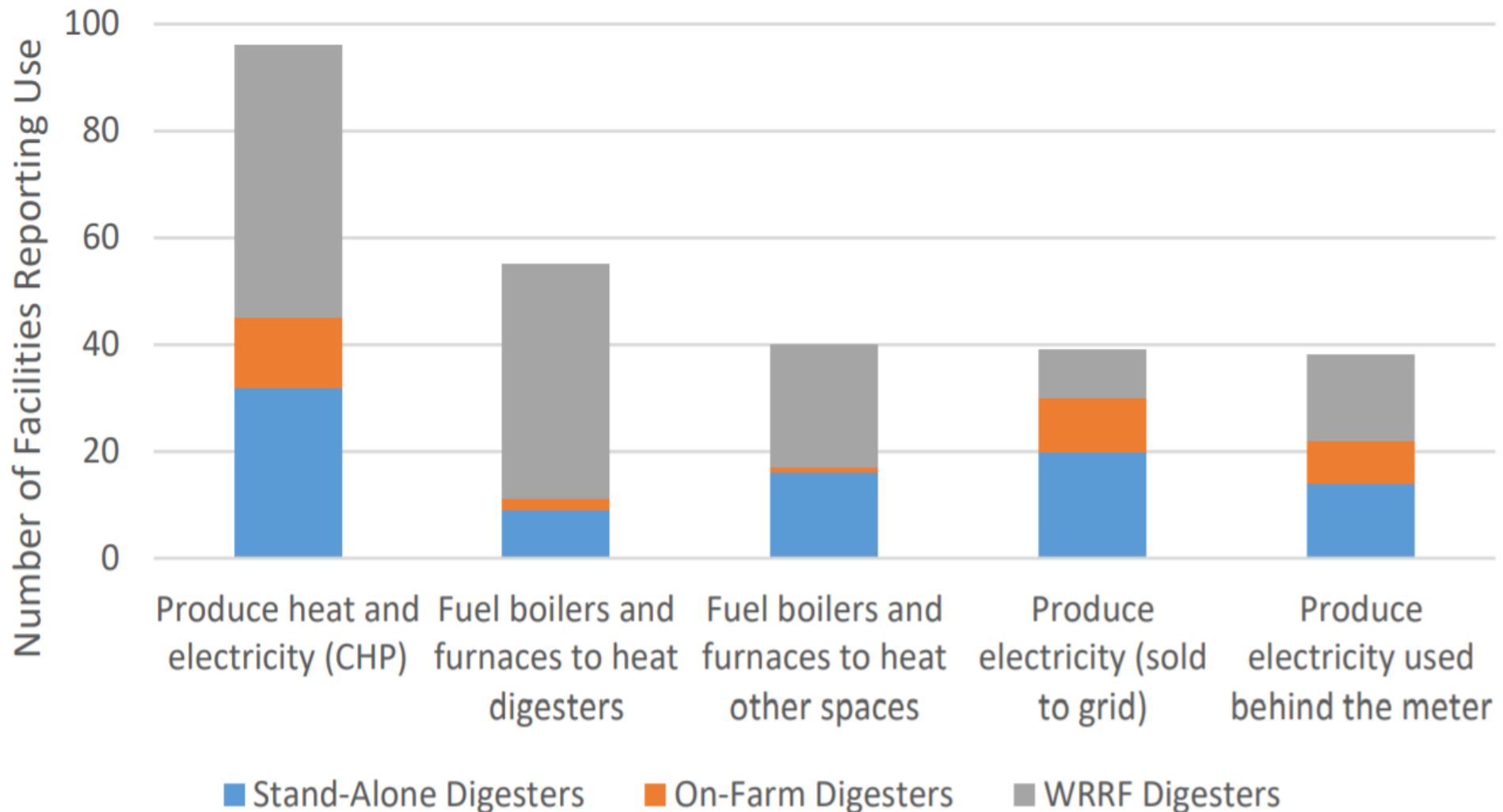
2015 Results: Top 5 Feedstock Types Processed



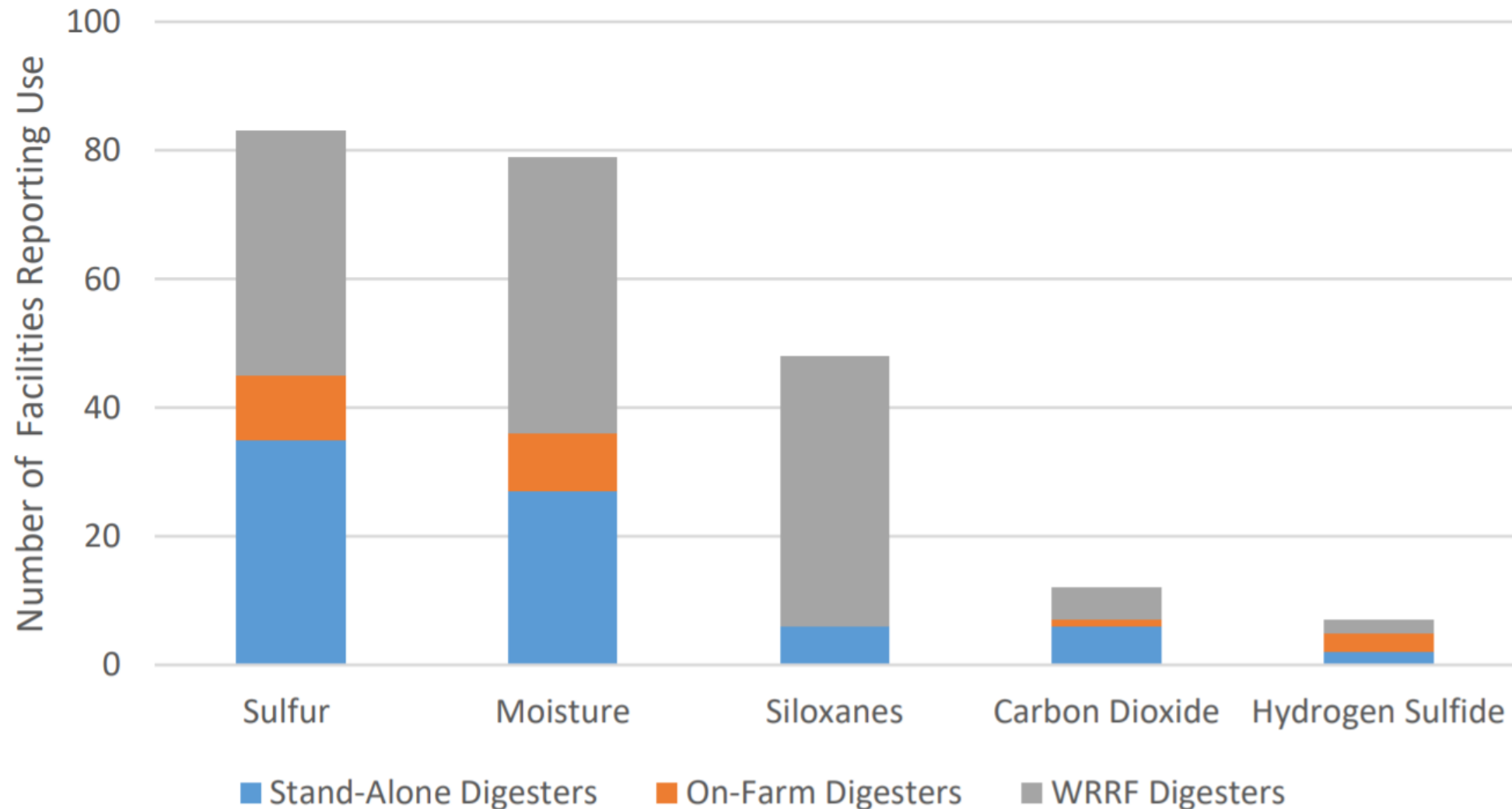
2015 Results: Top 5 Feedstock Sources



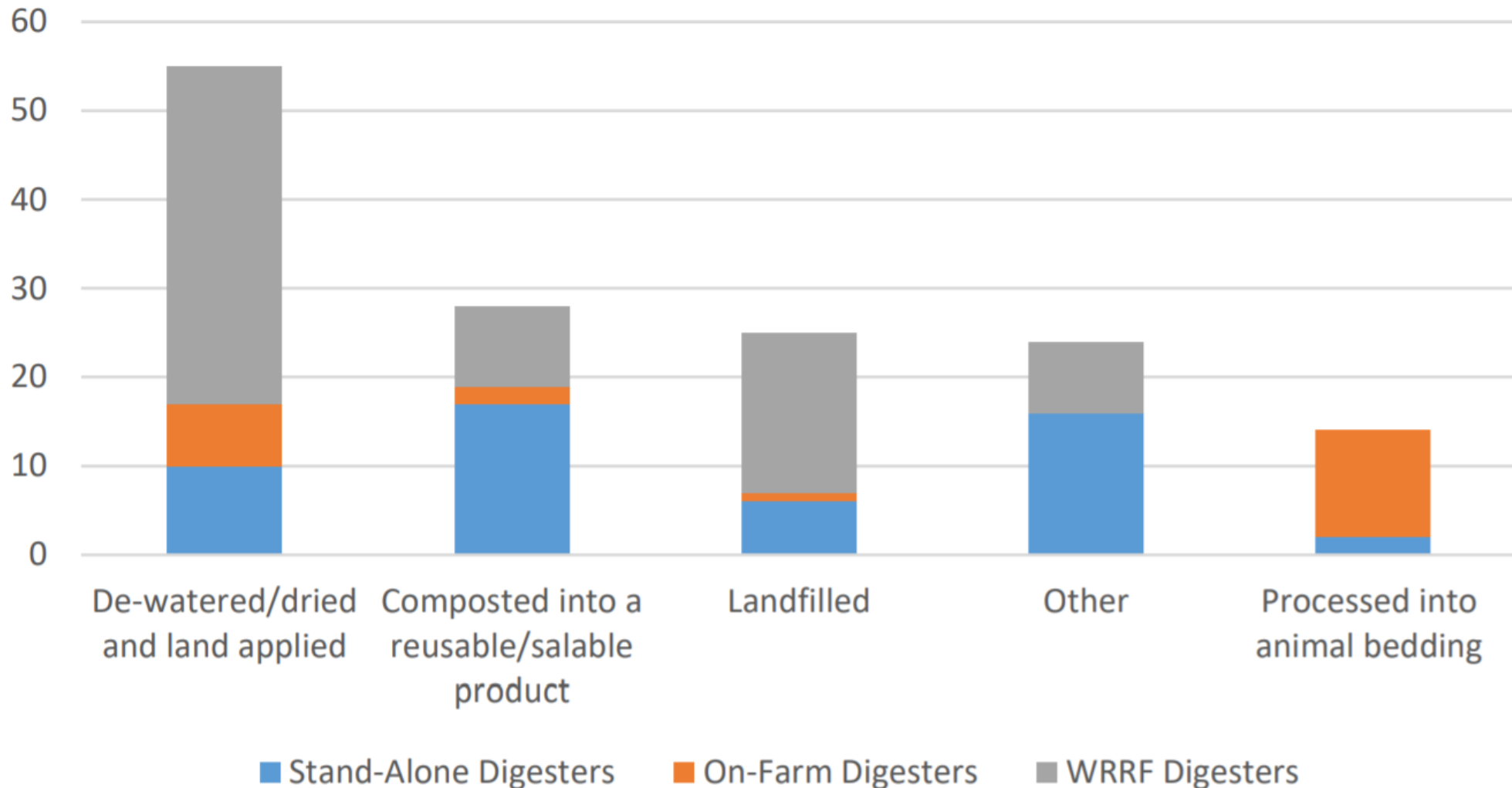
2015 Results: Top 5 Uses of Biogas



2015 Results: Top 5 Constituents Removed



2015 Results: Top 5 Destinations of Solid Digestate



Grants Supporting Anaerobic Digestion

- In the FY18 and FY19 budget appropriations, Congress directed EPA to help public entities demonstrate community anaerobic digester applications to municipal solid waste streams and farm needs such as capturing excess phosphorus
- Awarded 3 grants to support food waste management and infrastructure projects
- Anticipate the next round of funding will take place later this year



Sustainable Management of Food

<https://www.epa.gov/sustainable-management-food>

Follow us **@EPAland** using **#nowastedfood**



Center for Food Loss
and Waste Solutions

<https://furtherwithfood.org>



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