AMERICAN BIOGAS COUNCIL

Biogas in America

The 2026 Report

February 24, 2026

About the American Biogas Council

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americanbiogascouncil.org

The voice of the biogas industry in the US

All sectors represented

- Project developers/owners
- Equipment retailers and dealers
- Biogas and digestate marketers
- Waste management companies
- Waste water companies
- Farms
- Utilities (gas, electric, water)
- Municipalities
- Consultants and EPCs
- Financiers, accountants, lawyers, insurance companies and engineers
- Non-profits, universities and government agencies

400+ organizations

6,000 individuals

Each year
America produces
120 million dry tons of manure,
12 million dry tons of wastewater
biosolids (sludge) and sends more
than 24 million tons of inedible
food waste to landfills.

In addition, 470 landfills currently
flare their gas that
could be captured.

USDA https://www.ars.usda.gov/research/publications/publication/?seqNo115=364421
EPA https://www.epa.gov/biosolids/basic-information-about-sewage-sludge-and-biosolids
Energy Vision https://energy-vision.org/wp-content/uploads/2024/06/EV-National-AD-Report-1.pdf

How Biogas Systems Work

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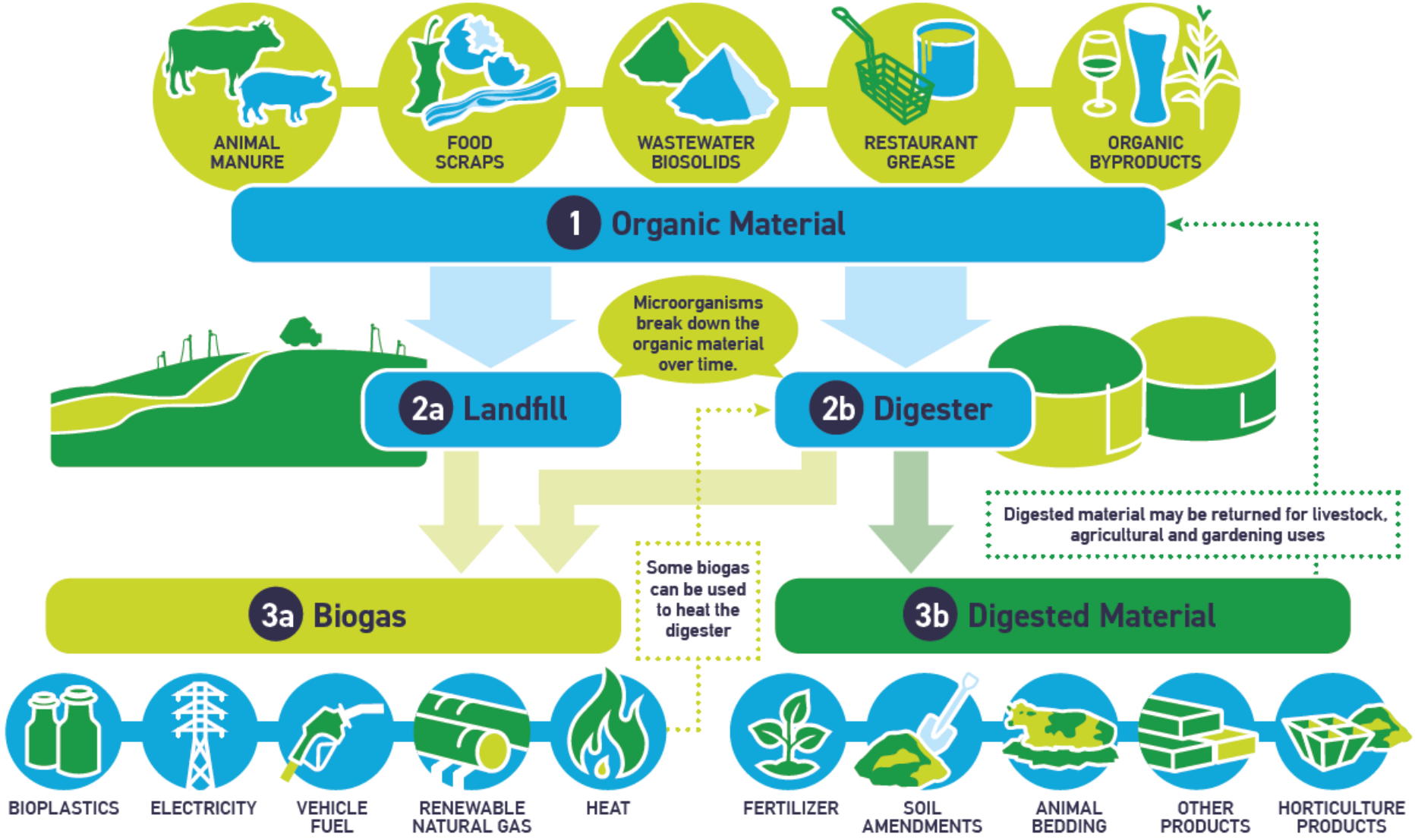

Need photos?

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Click the Flickr link at the bottom of any ABC web page:
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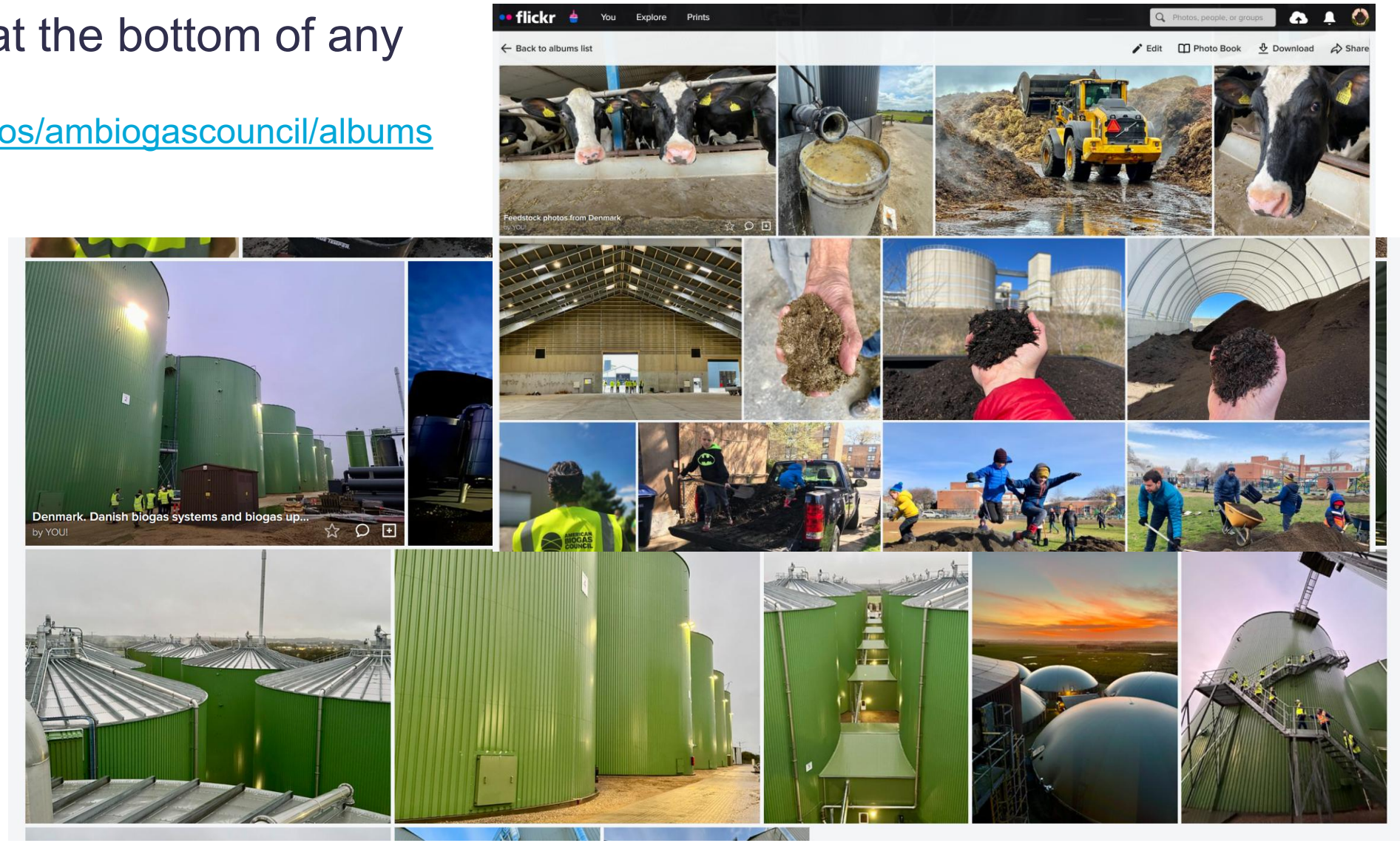
Digesters-Biogas Systems



The U.S. Biogas Market

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Operational Biogas Capture Systems: 2,585

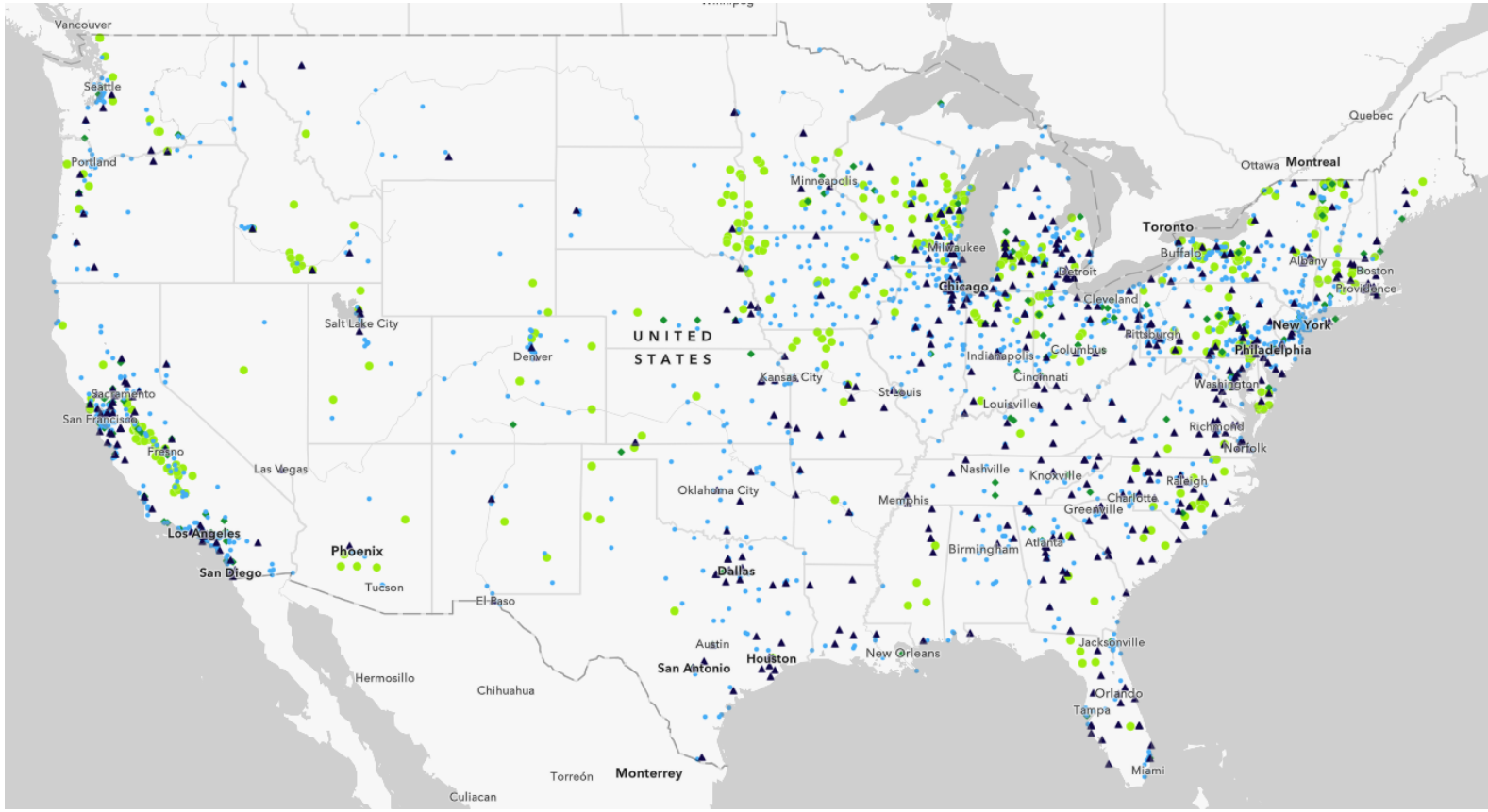
- 659 RNG
- 1,453 Electricity

- 631 on Farms
- 1,231 Wastewater
- 124 Food Waste
- 599 at Landfills

Potential New Biogas Capture Systems: 17,000

- 11,200 on Farms
- 3,750 Wastewater
- 1,370 Food Scrap
- 730 at Landfills

January 2025



2025 Highlights

2,585 operational biogas capture facilities

70 new facilities went live in 2025 (3% increase)

8% growth in biogas capture capacity

$2.1 billion of new investments came online in 2025 (6% growth)

Biogas Capture Facilities, 2015-2025

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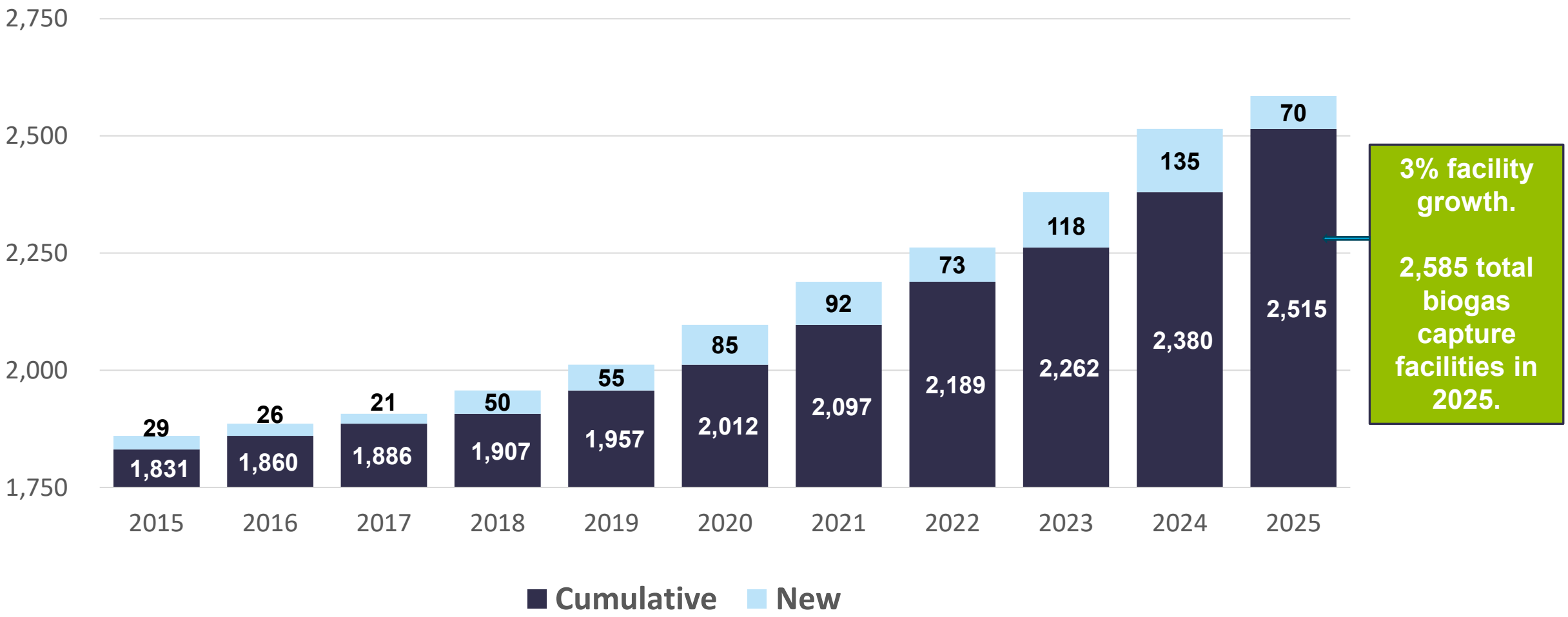

Biogas Capture Capacity, 2021-2025

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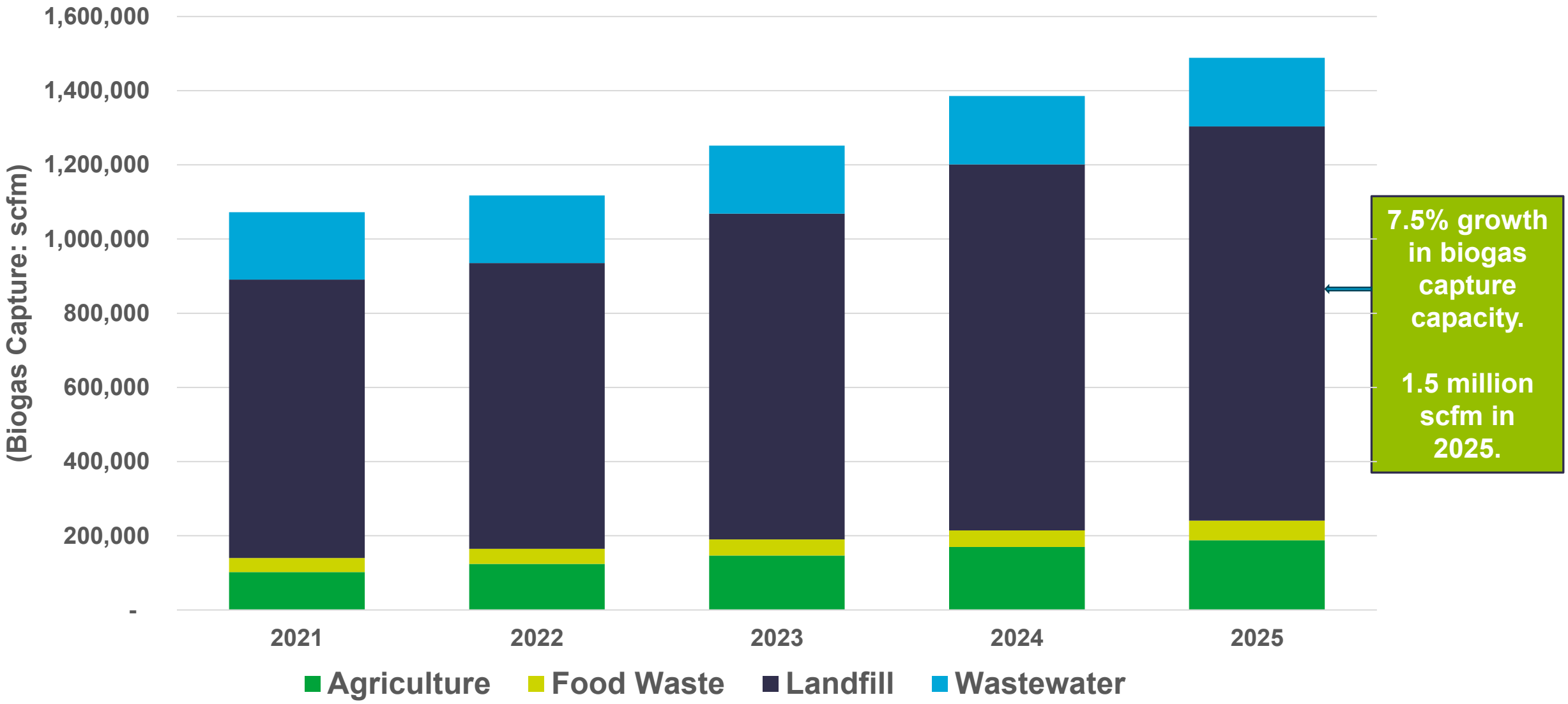

Biogas Capture Facilities by Sector, (December 2025)

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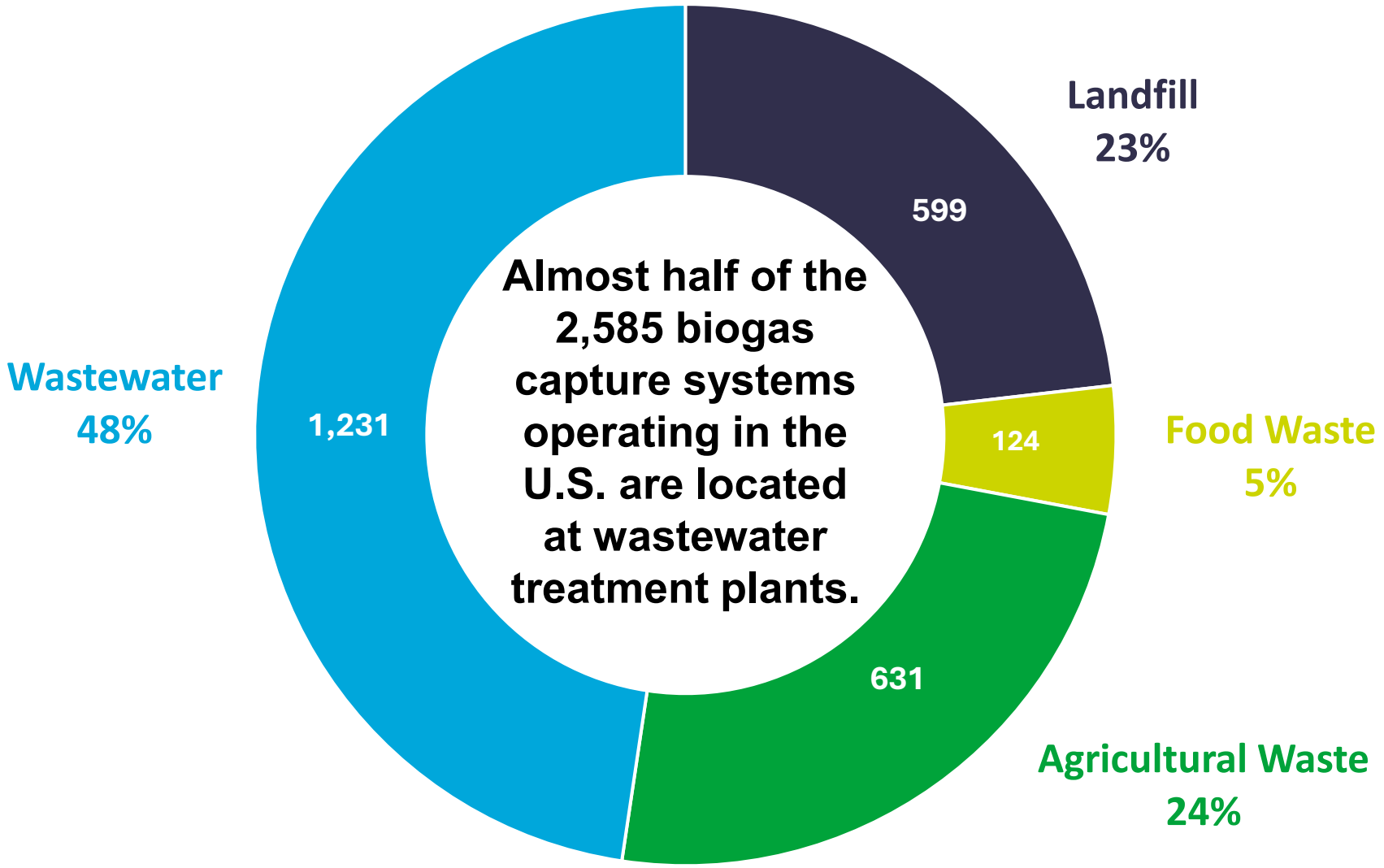

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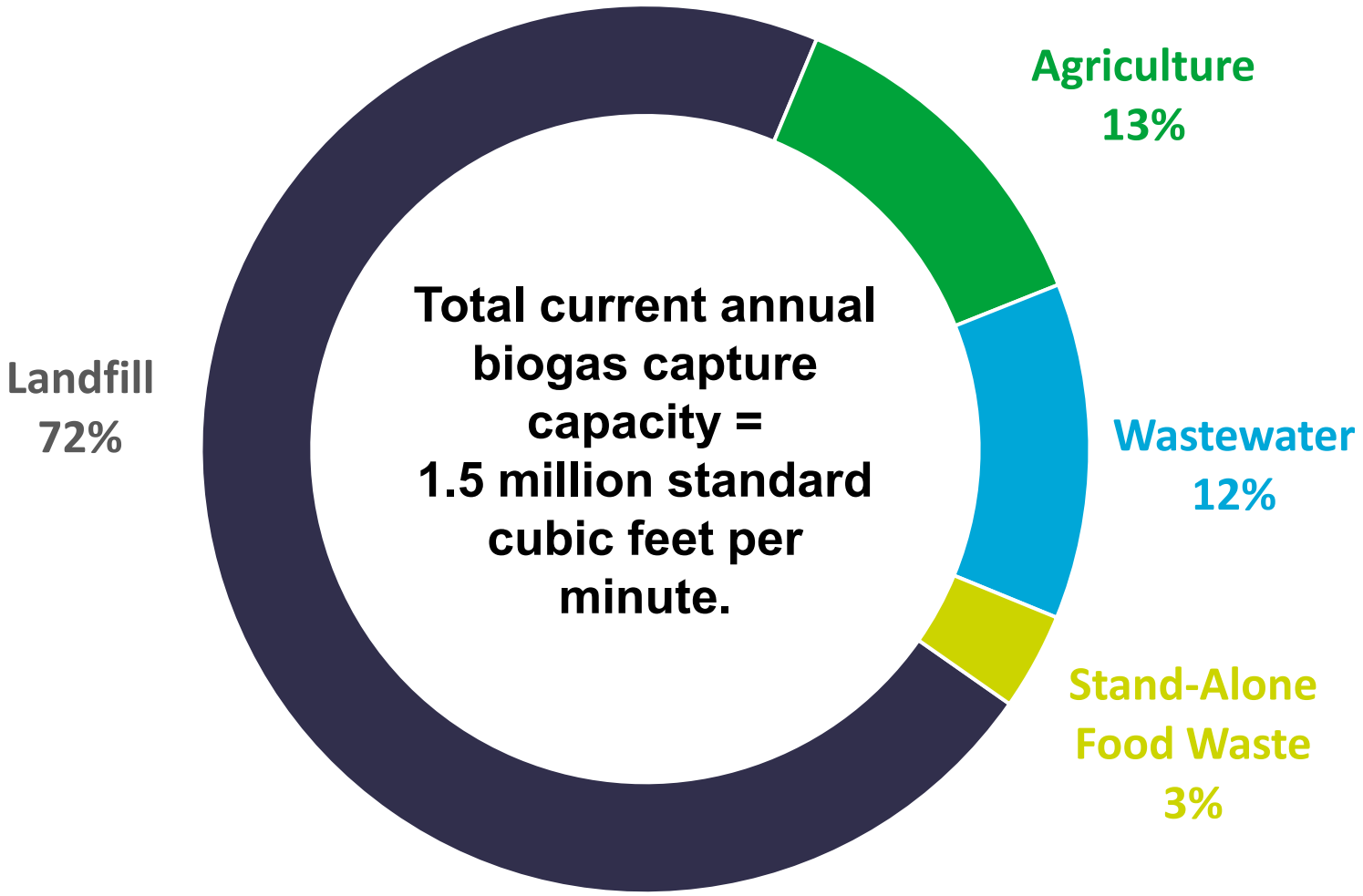

Capital Invested in Facilities Opened in 2025

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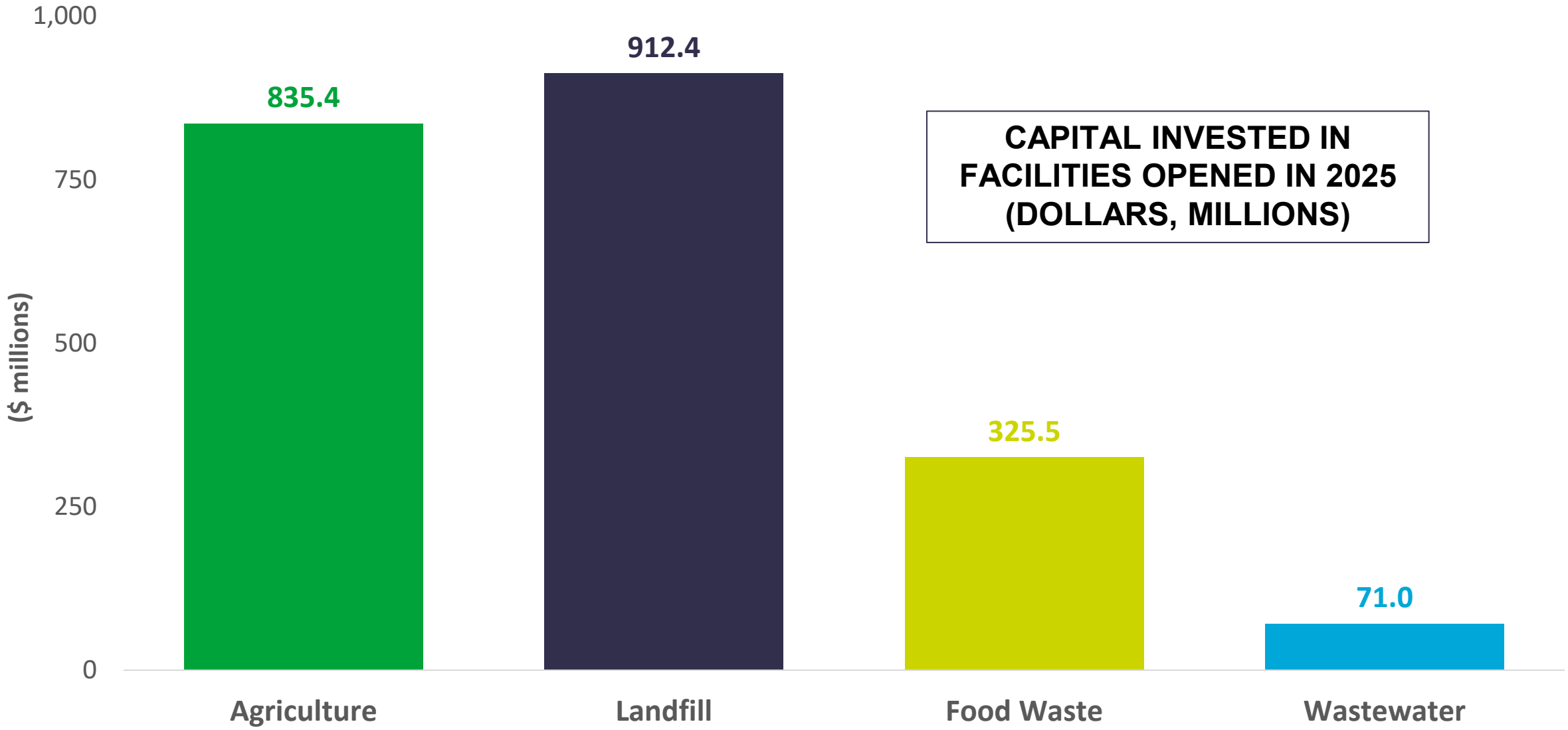

Capital Investment To-Date

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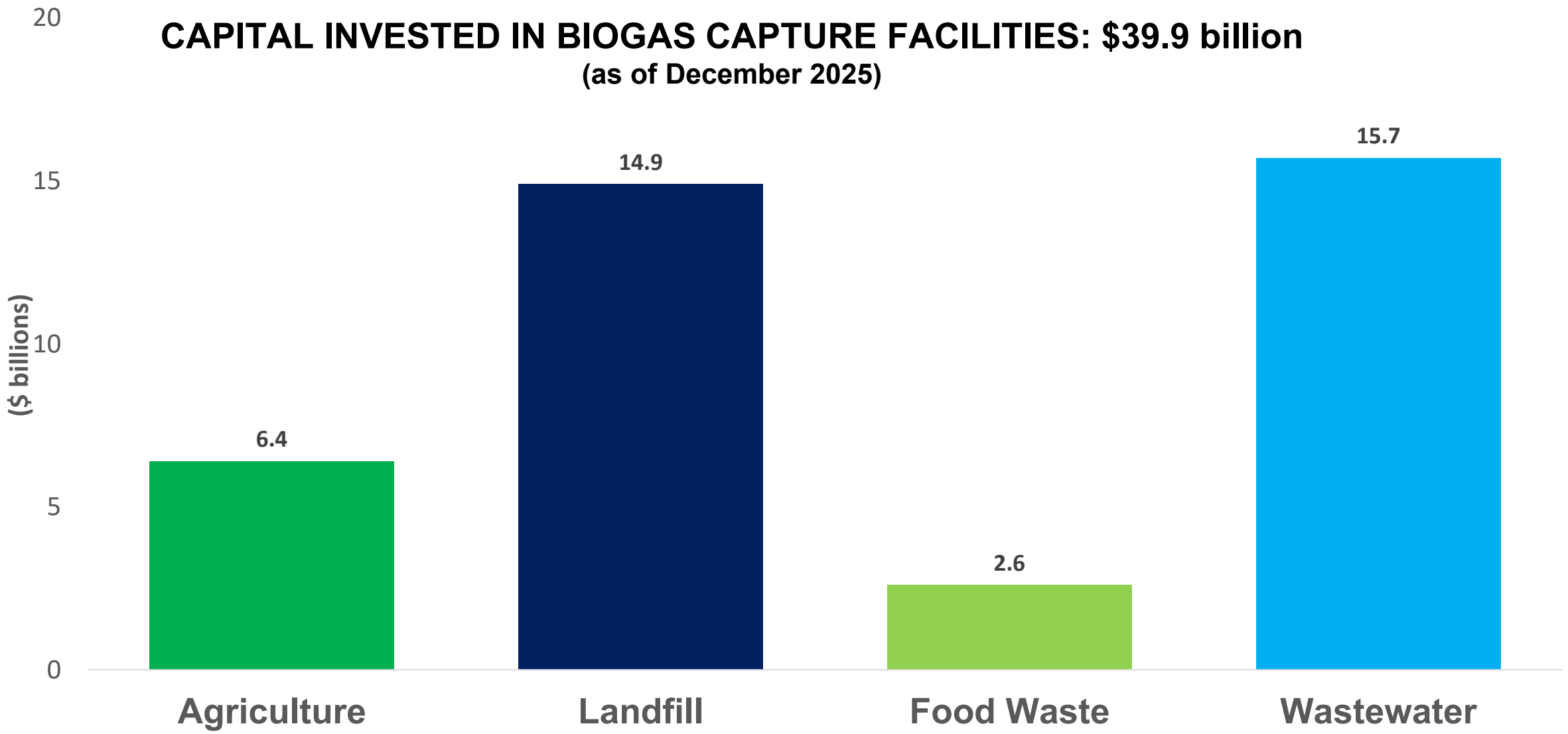

Power v RNG

Biogas End-Use, 2010-2025

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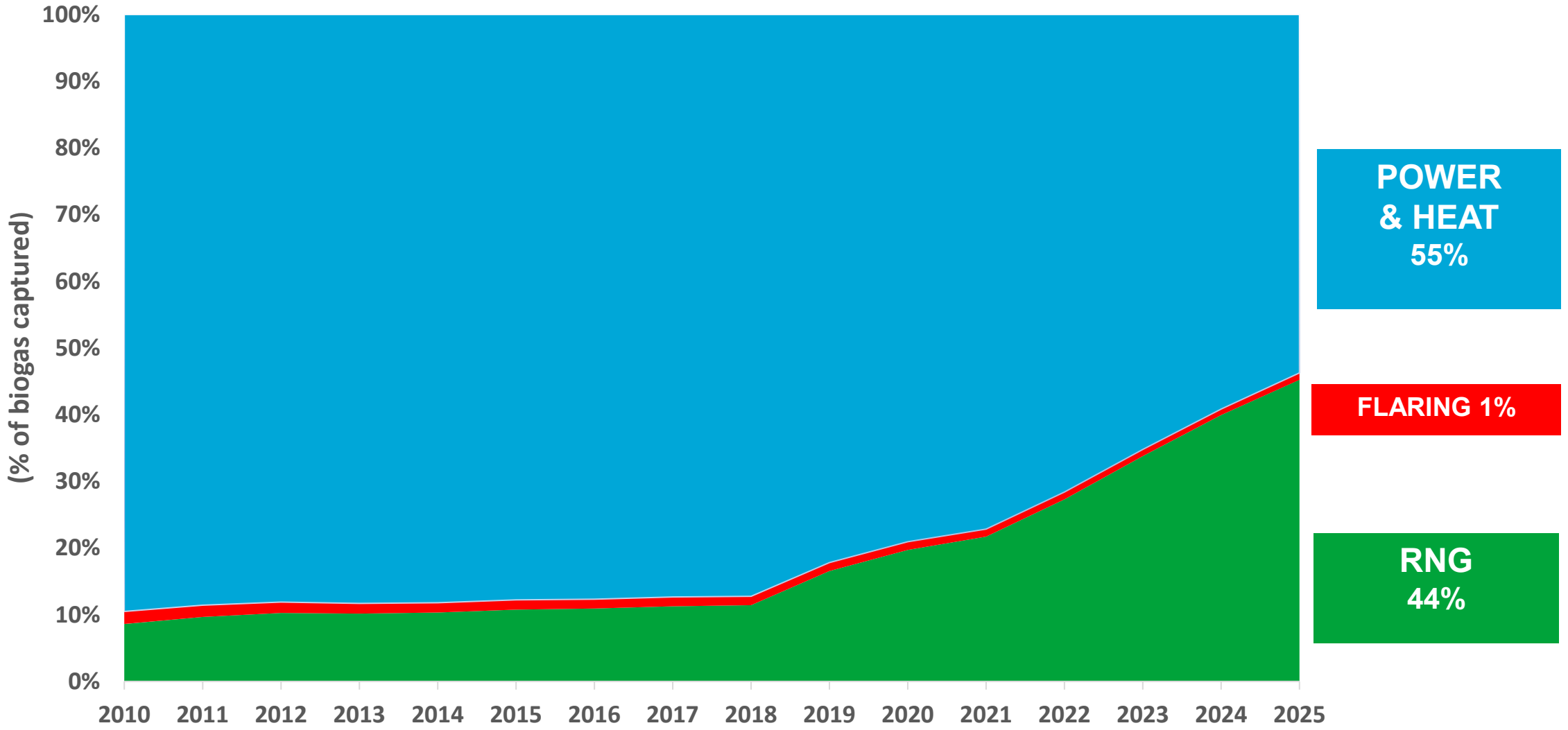

Biogas Capture Facilities: End-Use, Power vs. RNG

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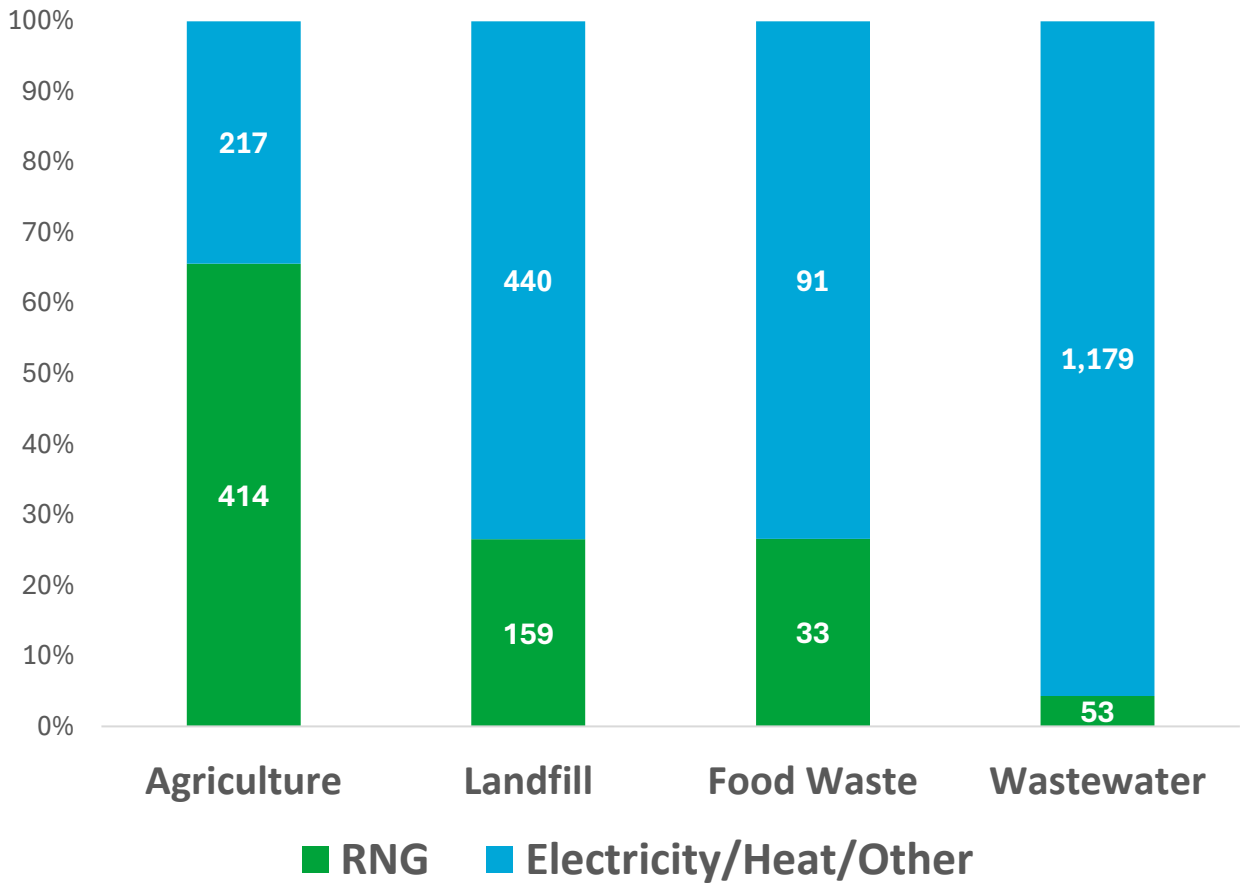
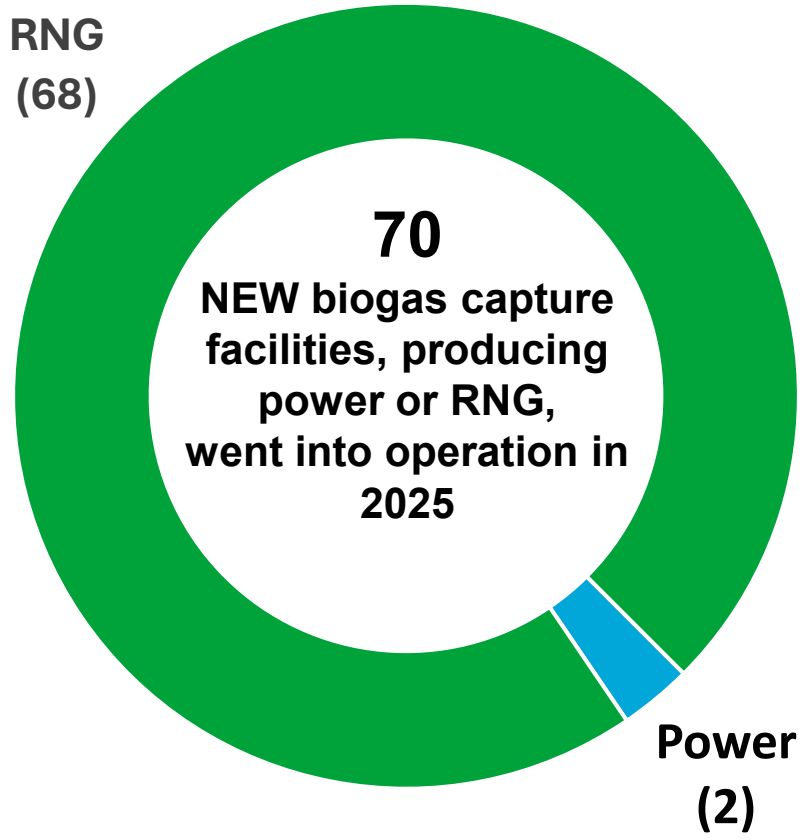
% of All Facilities by End-Use of Biogas



New in 2025



RNG

Biogas-to-RNG 2020 v 2025

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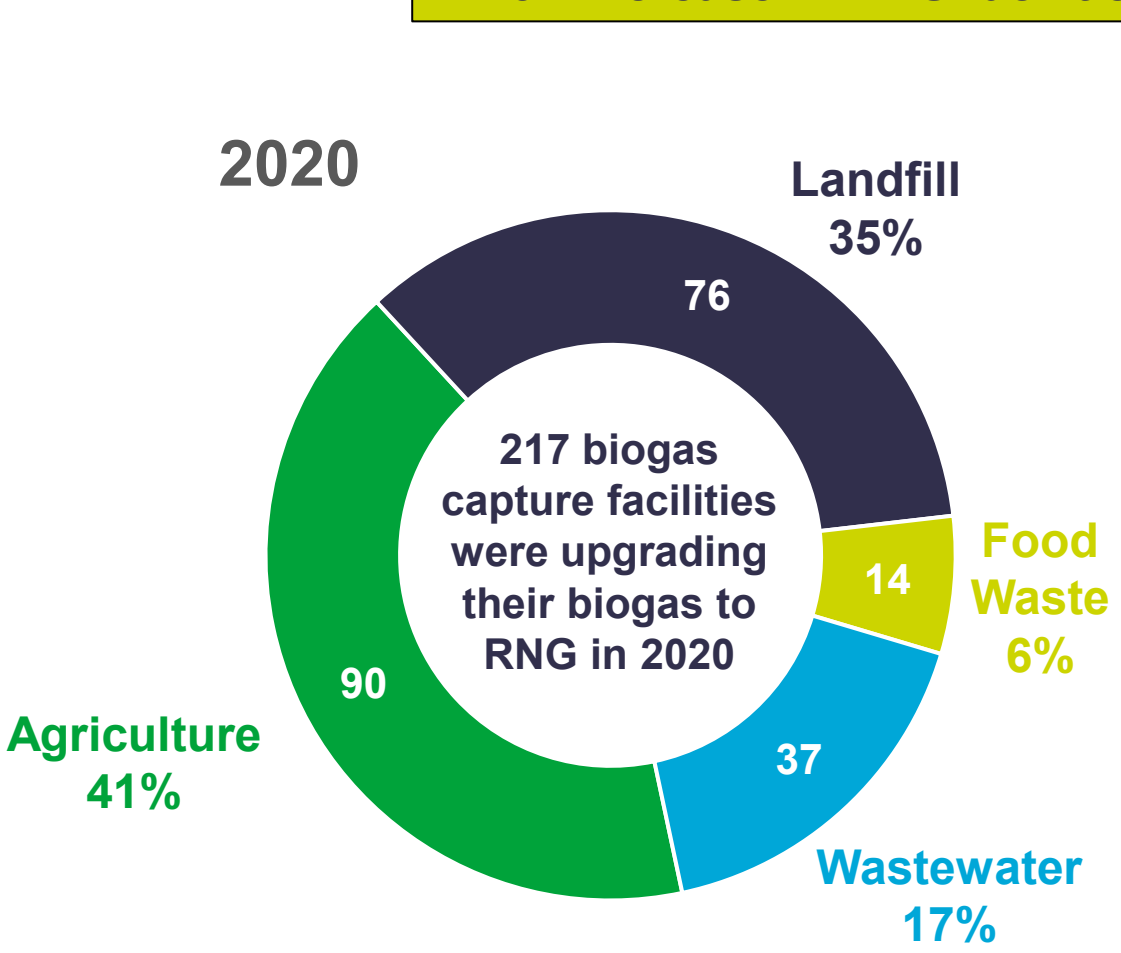
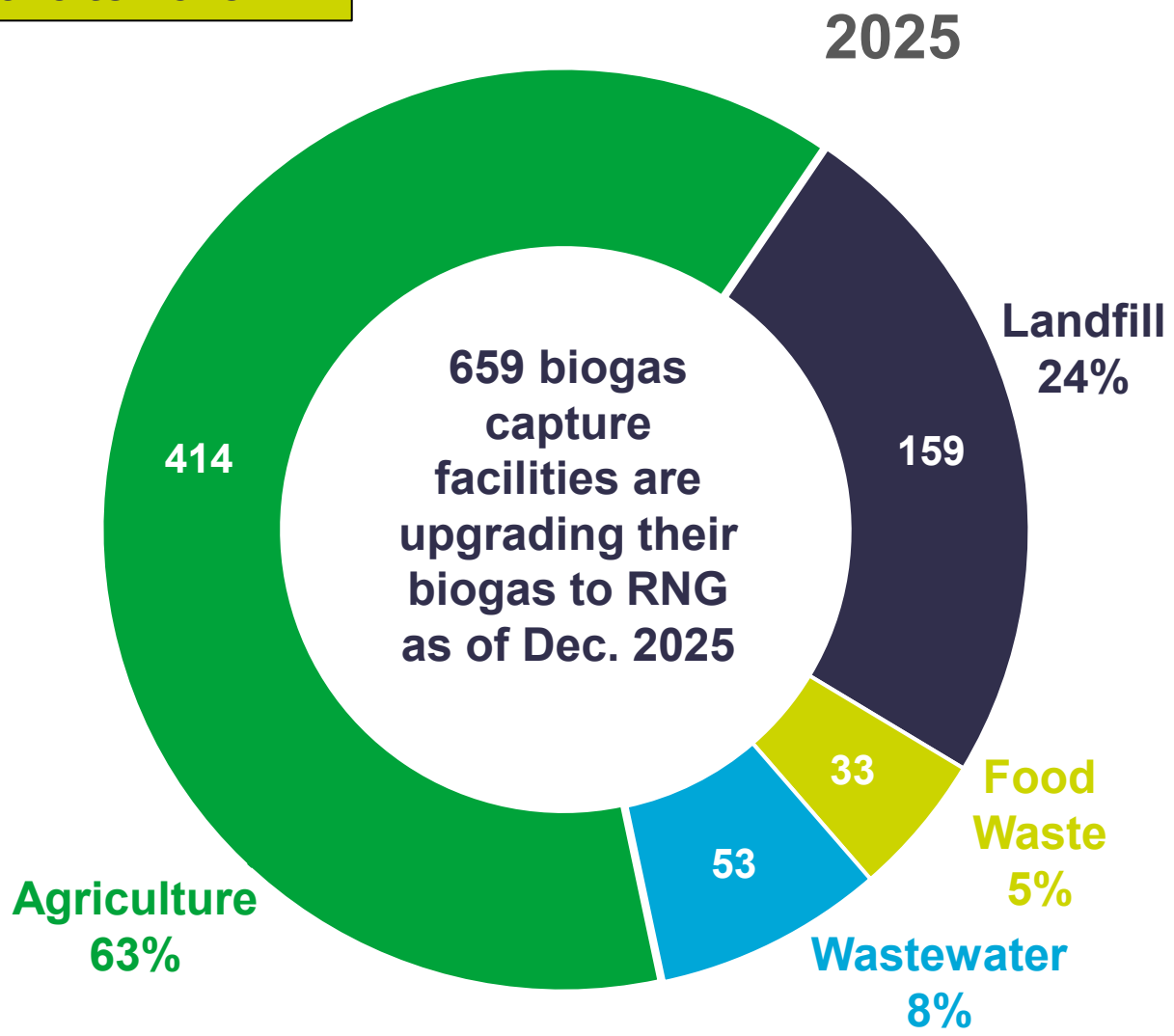
3X increase in RNG facilities: 2020 to 2025.





RNG Production Capacity 2010-2025

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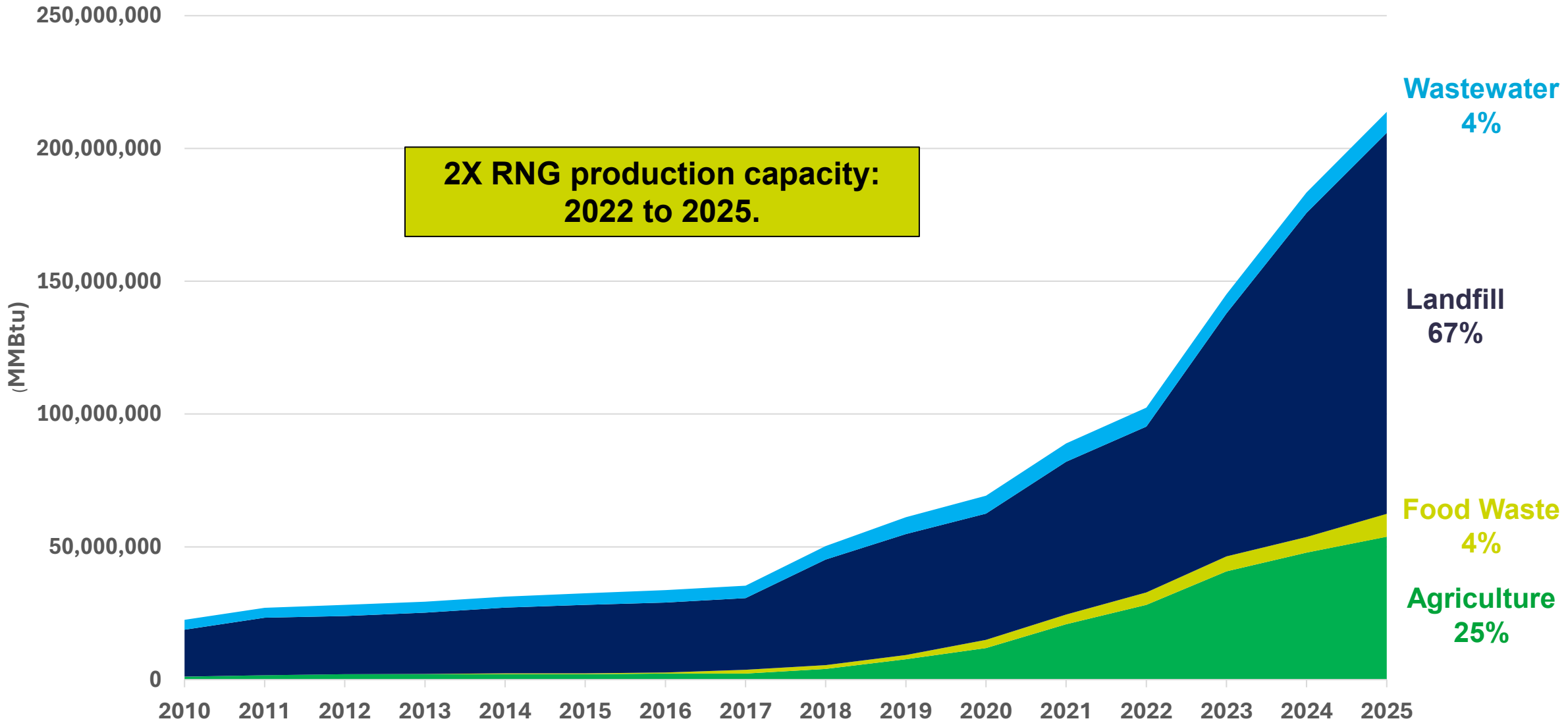

RNG Production Capacity by Sector, 2025

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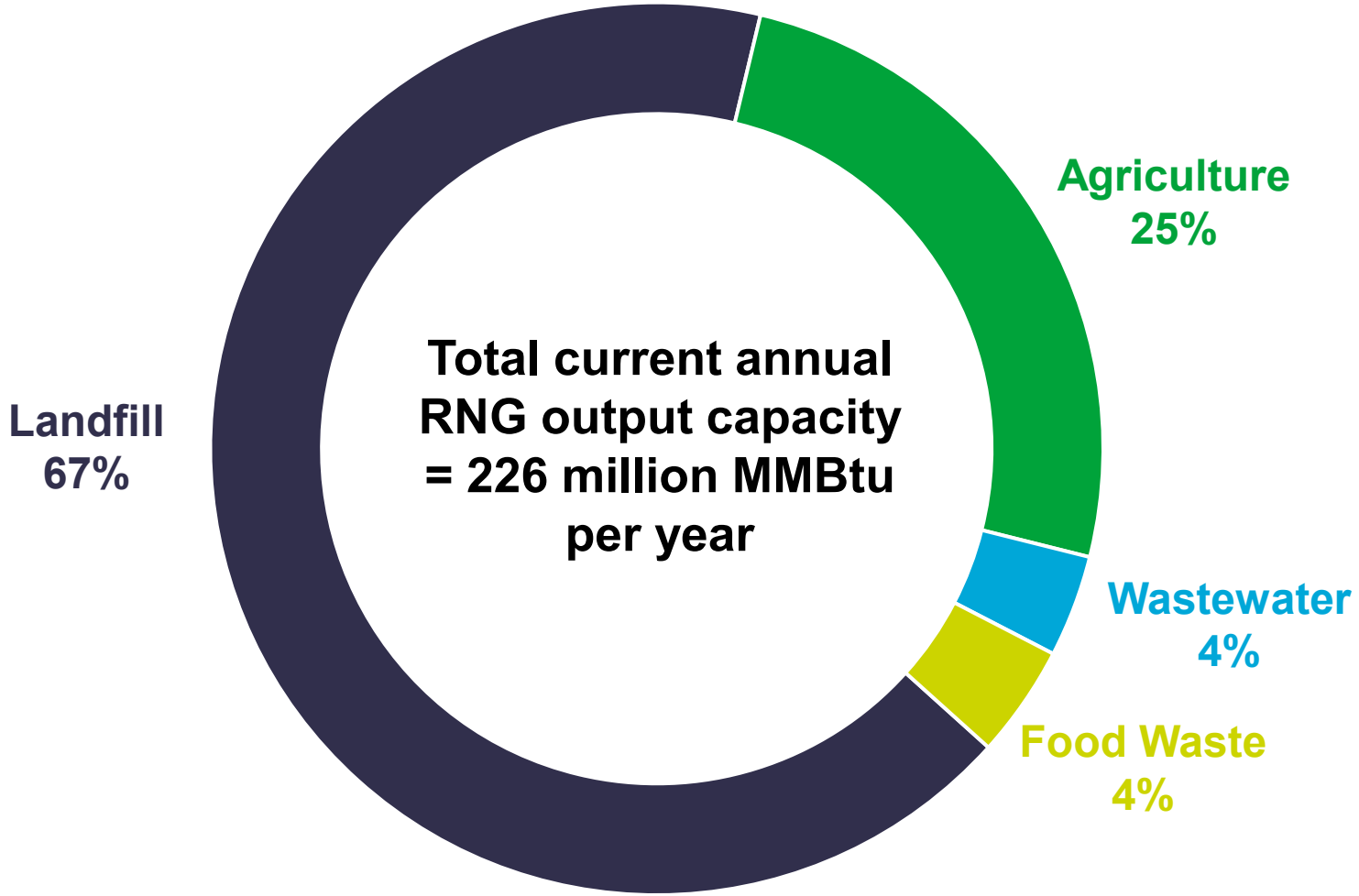

Wastewater

Biogas Capture Systems at WRRFs, (December 2025)

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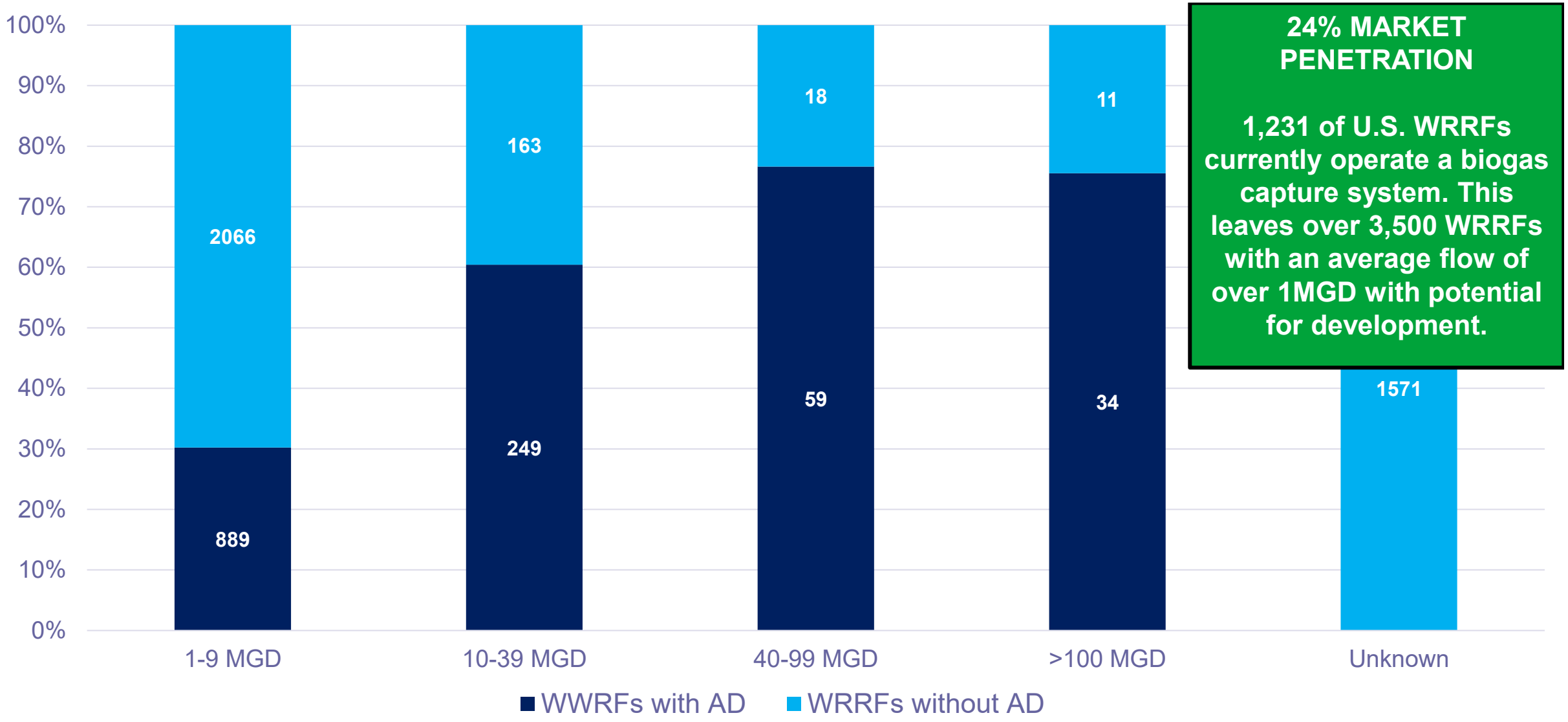

24% MARKET PENETRATION

1,231 of U.S. WRRFs currently operate a biogas capture system. This leaves over 3,500 WRRFs with an average flow of over 1MGD with potential for development.

Agriculture

Farm-Based Biogas Capture Capacity by Primary Feedstock, (December 2025)

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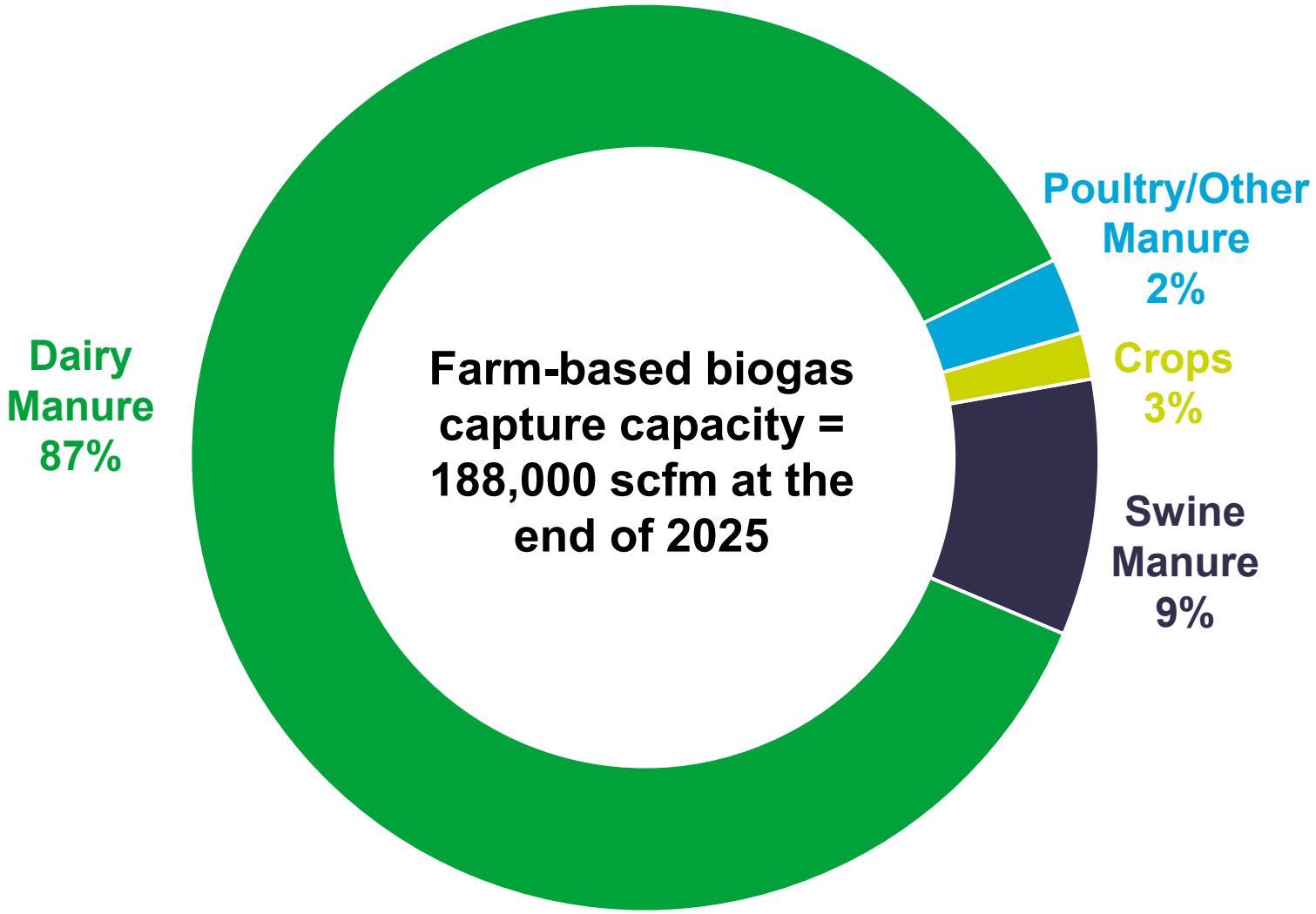

Adoption of Biogas Capture Systems at Dairy Farms by Farm Size, (December 2025)

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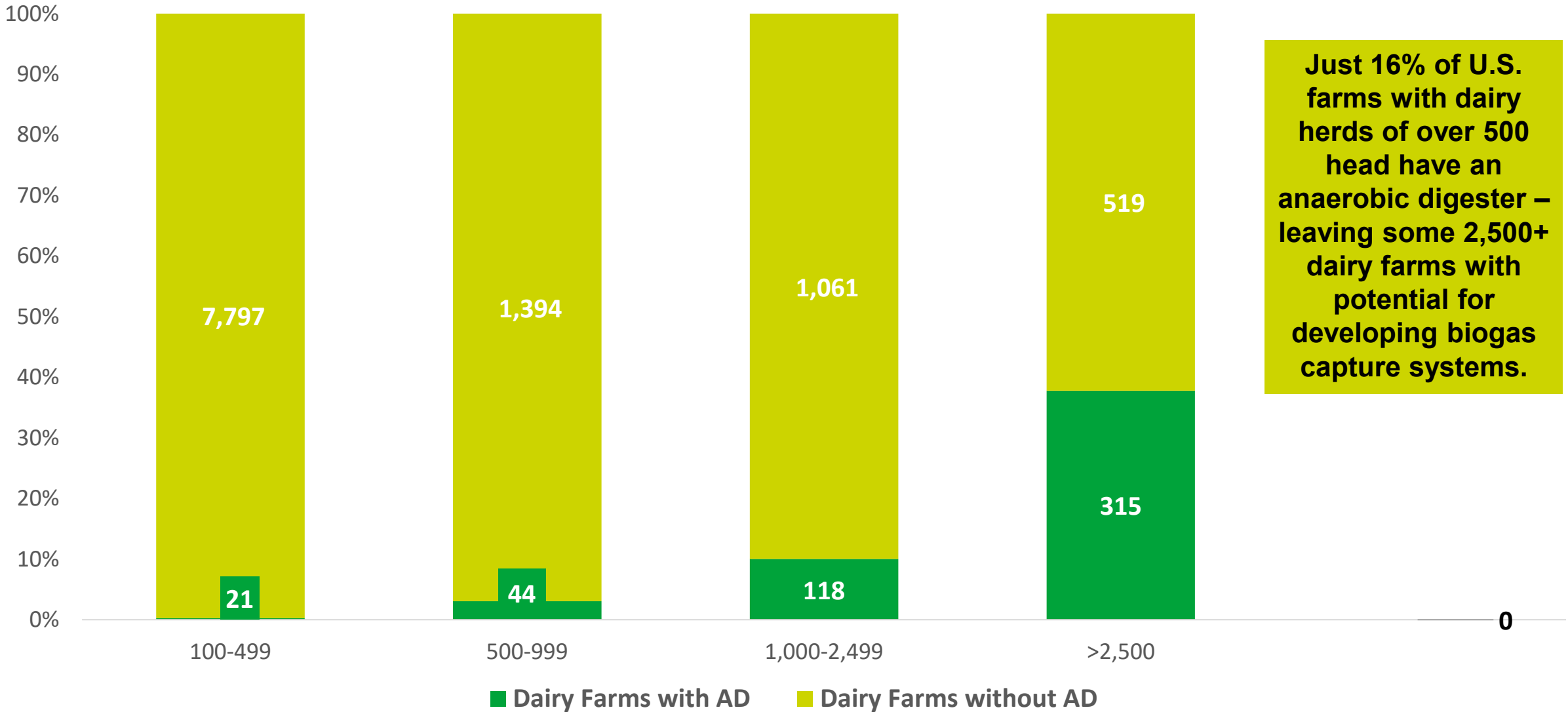

Just 16% of U.S. farms with dairy herds of over 500 head have an anaerobic digester – leaving some 2,500+ dairy farms with potential for developing biogas capture systems.

Food Waste

US Stand-Alone Food Waste Facilities, (December 2025)

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Pre-Consumer:
Industrial Food Processing Waste/Wastewater
51

Post-Consumer:
Household/Commercial Institutional Waste
47

Pre-Consumer:
Beverage/Distillery Waste
26

Biogas capture capacity at stand-alone food waste facilities totals 27.6 Bcf per year. If all food waste was sent to digesters, this total could reach 192 Bcf per year.

Landfill

New Landfill Gas Systems 2014-2025

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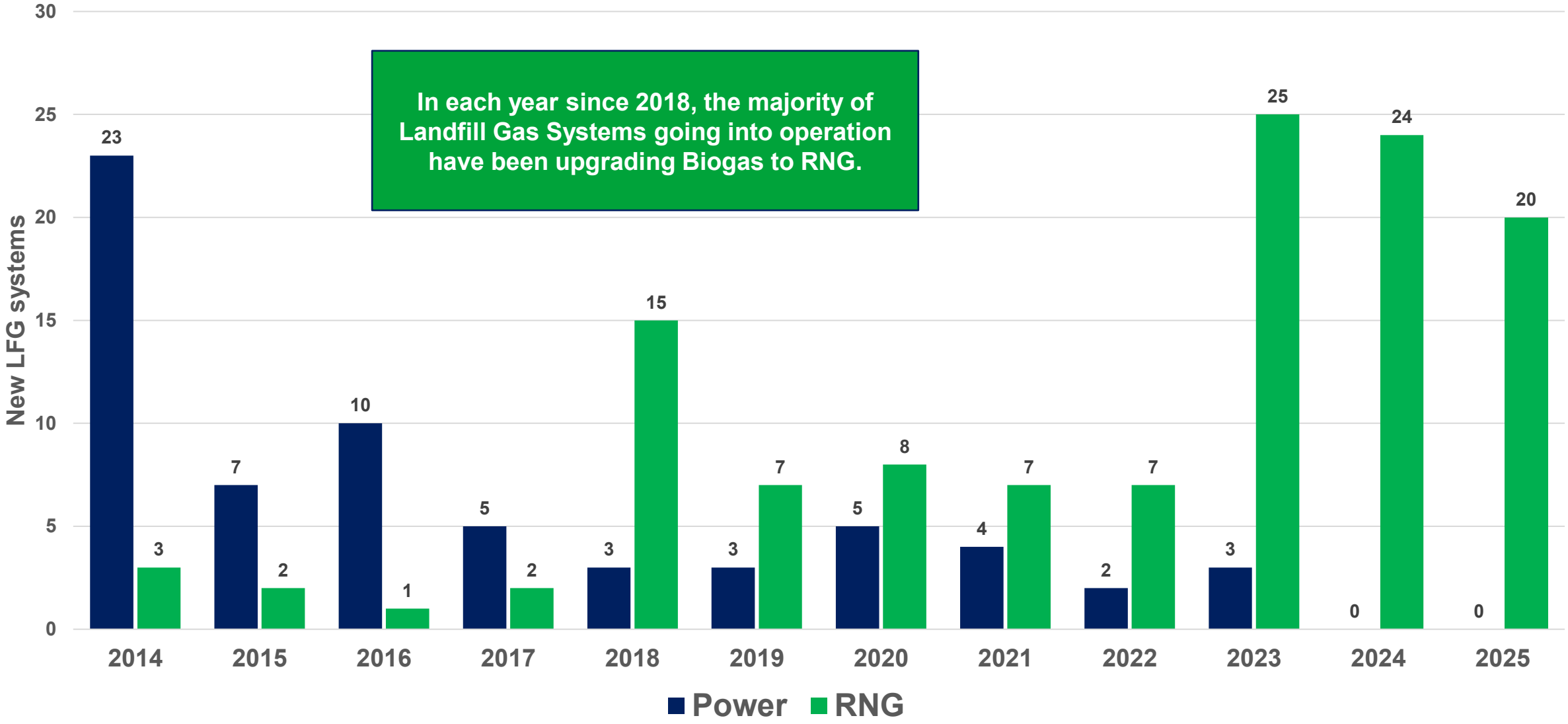

Biogas Capture & Potential at Landfill Gas Facilities, (December 2025)

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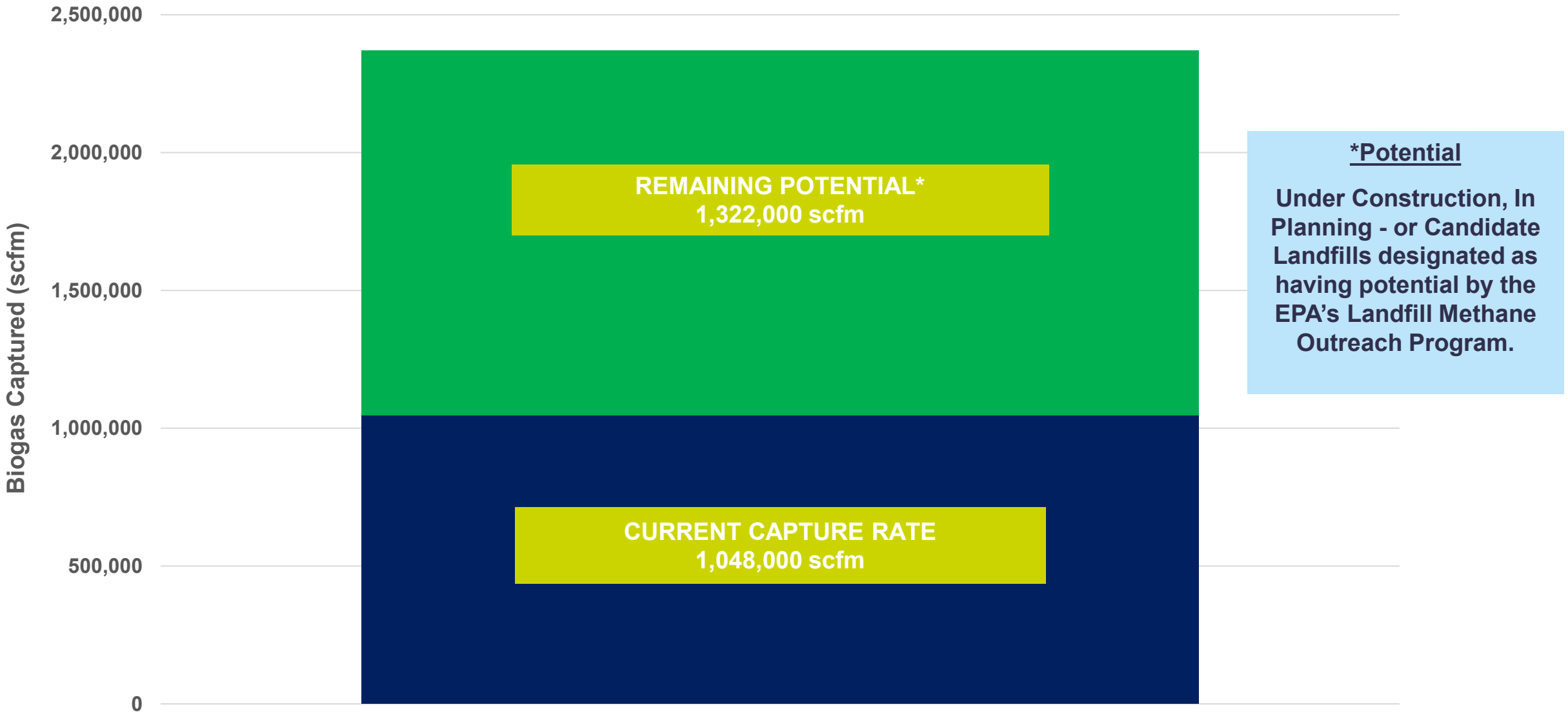

Potential

Industry Potential

A full build-out of biogas capture facilities at:

- All farms with over 500 dairy cows, 1,000 pigs and 50,000 poultry
- All wastewater facilities with an average flow of at least one million gallons per day
- All candidate landfills; and
- Enough anaerobic digesters to process all U.S. food waste

…..would result in:

- **The capture of 3+ trillion cubic feet/year of biogas**
- **The development of 17,000 new biogas capture facilities**
- **The creation of 900,000 short-term construction jobs**
- **The creation of 43,000 permanent operations jobs**
- **The deployment of $450 billion in capital investment**

Biogas Capture & Potential

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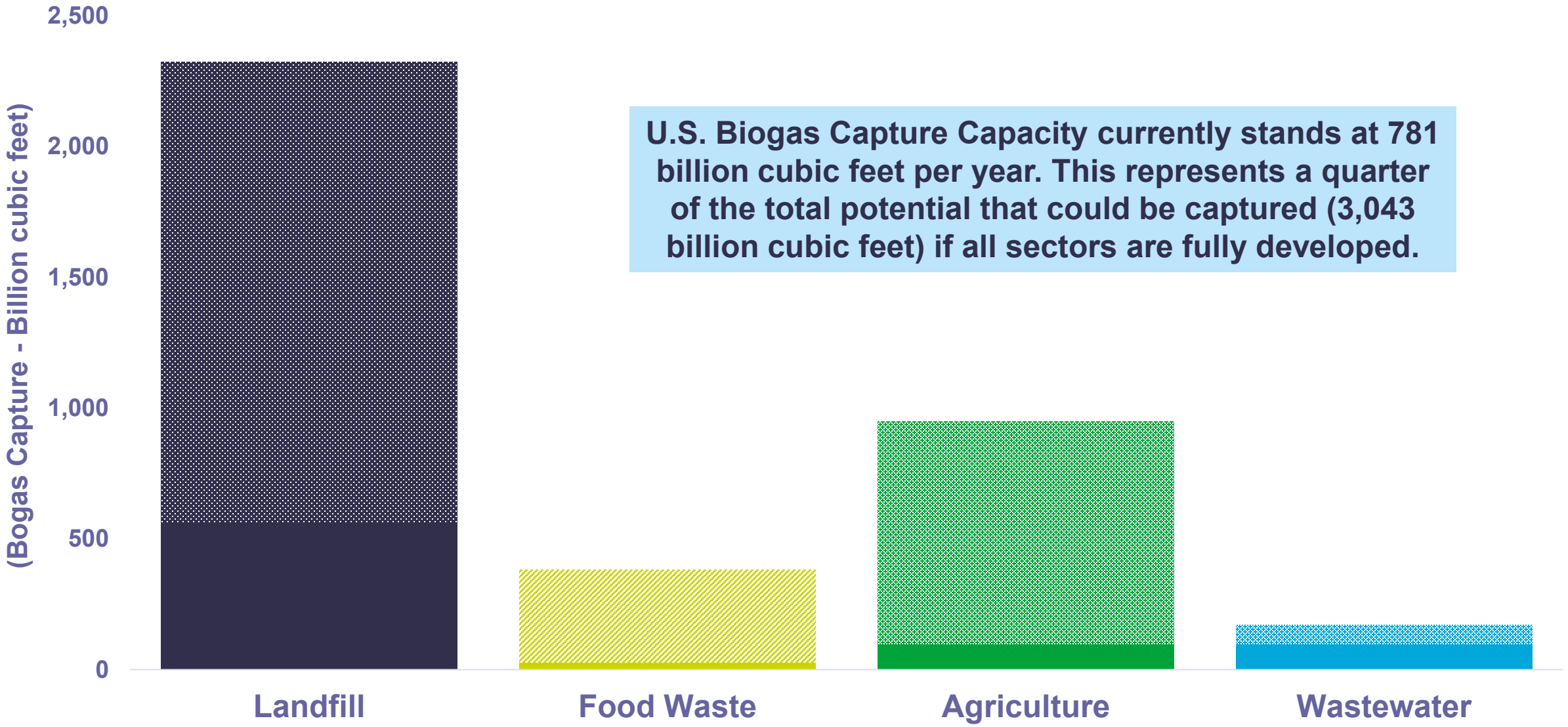

U.S. Biogas Capture Capacity currently stands at 781 billion cubic feet per year. This represents a quarter of the total potential that could be captured (3,043 billion cubic feet) if all sectors are fully developed.

Policy

POLICIES THAT ENCOURAGE BIOGAS CAPTURE

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Grow Market Demand

Organic waste diversion, clean heat and fuel programs, 24/7 electricity market incentives

Support Voluntary Markets

Standardize carbon reporting and monetization framework, renewable thermal incentives for heat and industrial processes, robust lifecycle emission accounting.

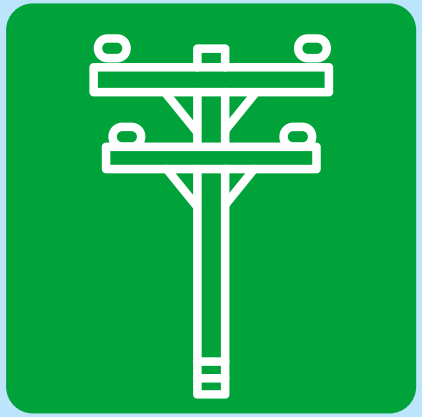
Encourage Innovation & Manufacuring

Domestic fertilizer, commercial CO2 , biochar production, and other complimentary market development

Grow Supply

Tax policies, grant and loan programs, infrastructure funding, and permitting reform.

EMERGING MARKETS SHAPING INVESTMENT



Electricity Demand

Unprecedented demand growth in support of data, AI, and the onshoring of domestic manufacturing

Maritime

Global demand for alternative, lower-carbon marine fuels, including bio-LNG and methanol

Domestic Fertilizer

Increased need to lower farmer input costs and secure domestic supply of fertilizers, including nutrient recovery and digestate

Global Trade

Trade and tariff negotiations supporting energy and fuel exports, including significant biofuels commitments.

FEDERAL POLICY ACTION

EPA's Renewable Fuel Standard

Anticipated finalization of EPA rules in Q1, setting the Renewable Volume Obligations (RVOs) for next two years. These RVO targets are pivotal to market demand

OBBA "OB3" Implementation

Implementation of tax policy stemming from last July's "One Big Beautiful Bill," including important energy credits under Sections 45Z, 48E, 45Y, 45Q, 45Z and others. These supply-side incentives are expected to drive investment in biogas capture facilities.

Dispensing infrastructure

CNG dispensing incentives, like the former AFTC (Alternative fuel tax credit) and the Bipartisan Renewable Natural Gas Incentive Act introduced last Congress help get biogas and RNG into the vehicles on the road.

Farm Bill

Farm-based energy and manufacturing continues to benefit from USDA programs like REAP and Advanced Markets for Producers (AMP). The new Farm bill also holds the potential to recognize the role of fertilizers produced from organics recycling in reducing farm input costs.

Maritime Fuels & Infrastructure

Legislation incentivizing innovation in martime fuel supply, expanding the Renewable Fuel Standard (RFS) for marine fuel pathways, and building out US maritime infrastructure to support growing domestic and international demand.

24/7 electricity

The nation's electricity demand is growing rapidly, to support economic growth and AI advancement. Biogas systems provide 24/7 clean energy. New policies are needed to incentivize these resources that have great speed-to-market, superior environmental characteristics, and reliable performance.


MAY 18-21, 2026 | DETROIT, MI
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