



NJ Climate Pollution Reduction Grant Program Food Waste Workshop

November 9th, 1:00 PM, 2023



Meet the Team

Lead Presenter



Doug Benton
NJDEP, Climate Change &
Clean Energy

Co-Presenter



Daniel Clark
NJDEP, Climate Change
& Clean Energy

What is CPRG?

The **Climate Pollution Reduction Grant (CPRG) program** is a nationwide, two-phase EPA grant, funded via the Inflation Reduction Act

Phase One: \$250 Million

Noncompetitive planning grants to states, local governments, tribes, and territories to develop and implement climate action plans for reducing greenhouse gas emissions and other harmful air pollution.

Phase Two: \$4.6 Billion

Competitive implementation grants to carry out the greenhouse gas reduction measures proposed in the climate action plans.



For more information visit: <https://www.epa.gov/inflation-reduction-act/climate-pollution-reduction-grants>

CPRG Phase I · Grant Recipients

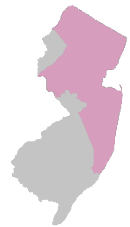
4 Planning Grants covering New Jersey



State of New Jersey

NJDEP Lead

Statewide



New York-Newark-Jersey City, NY-NJ-PA Metro Area

NYCEDC + NJTPA Lead

Covered Counties: Bergen, Essex, Hudson, Hunterdon, Middlesex, Monmouth, Morris, Ocean, Passaic, Somerset, Sussex, Union,



Allentown-Bethlehem-Easton, PA-NJ Metro Area

LVPC Lead

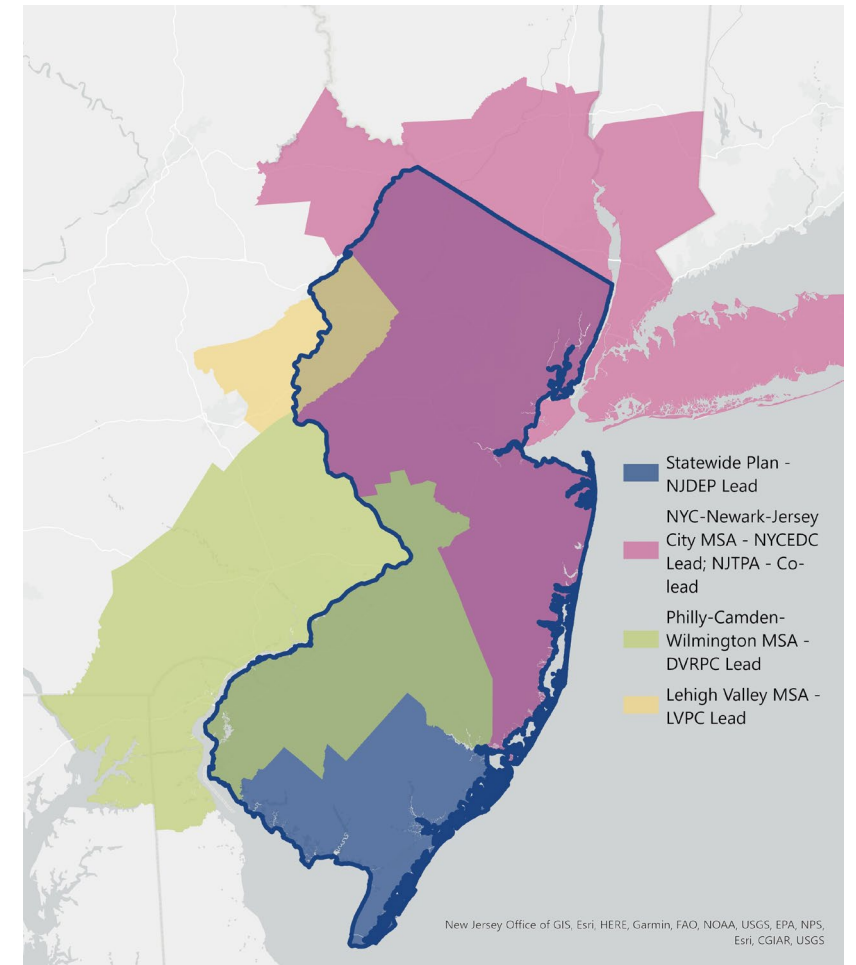
Covered County: Warren



Philadelphia-Camden-Wilmington, PA-NJ-DE-MD Metro Area

DVRPC Lead

Covered Counties: Burlington, Camden, Gloucester, Mercer, Salem



CPRG Workplan Areas within New Jersey

CPRG Phase I · Planning Grants

One planning grant, three deliverables over 4 years



Priority Climate Action Plan (PCAP)

Due March 2024

- Near-term, implementation ready, priority greenhouse gas reduction
- Prerequisite for implementation grant



Comprehensive Climate Action Plan (CCAP)

Due Mid-2025

- All sectors/significant greenhouse gas sources and sinks
- Near- and long-term greenhouse emission reduction goals and strategies

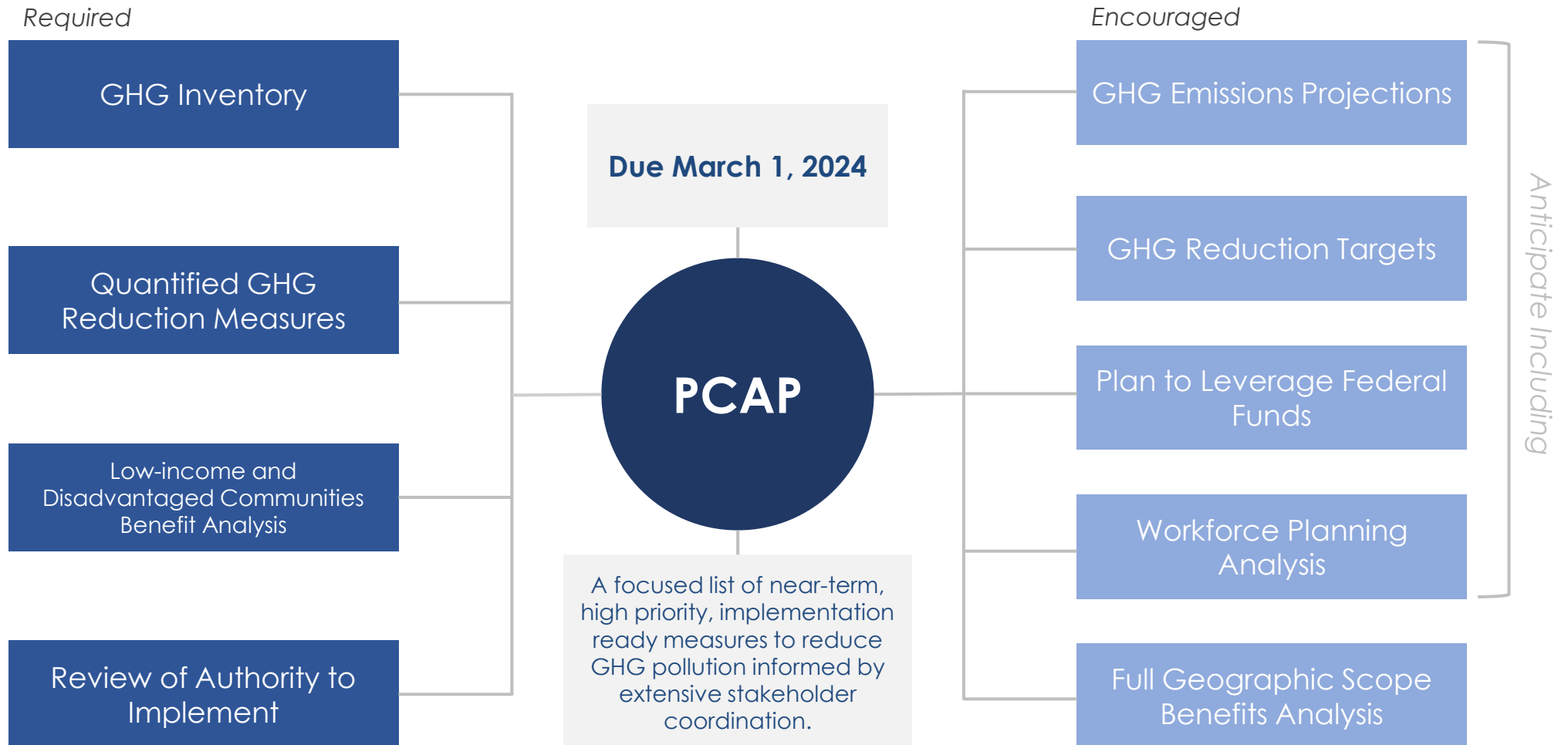


Status Update Report

Due 2027

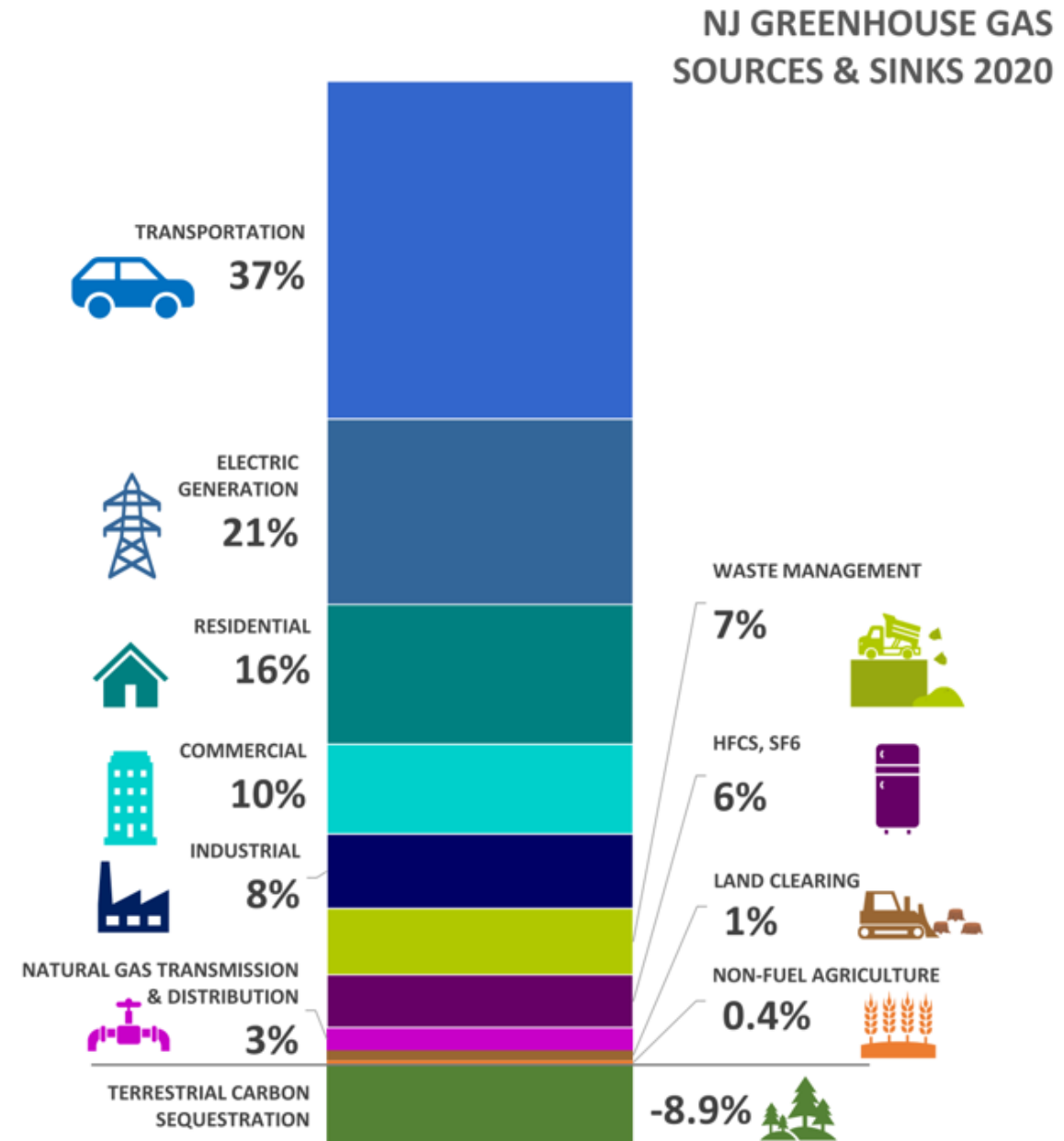
- Update on implementation, analysis and plans
- Progress and next steps for key metrics

New Jersey's Priority Climate Action Plan (PCAP)



New Jersey's Priority Sectors for PCAP

- Transportation
- Buildings
- Electric Generation
- Organic Waste
- Hydrofluorocarbons (HFCs) / Highly Warming Gases
- C-Sequestration



CPRG Phase II · Implementation Grants Eligibility

Open to entities who:

1. Received a CPRG planning grant, or
2. Eligible entities that did not receive a CPRG planning grant but are applying for funds to implement measures included in an applicable Priority Climate Action Plan

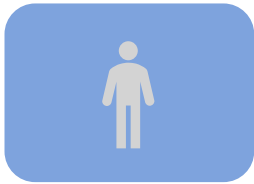
Eligible Applicants

- ✓ Metropolitan Statistical Areas (MSA)
- ✓ County
- ✓ Municipality
- ✓ Air pollution control agency
- ✓ Tribe

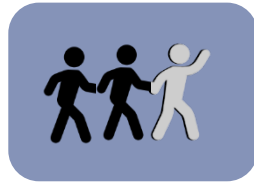
CPRG Phase II · Implementation Grant

Key Considerations

Eligible entities can submit at most two lead applications



*Individual
Application*



*Lead of a Coalition
Application*

Eligible entities can be a partner in numerous coalition applications



EPA will not award multiple grants to implement the same measures in the same location

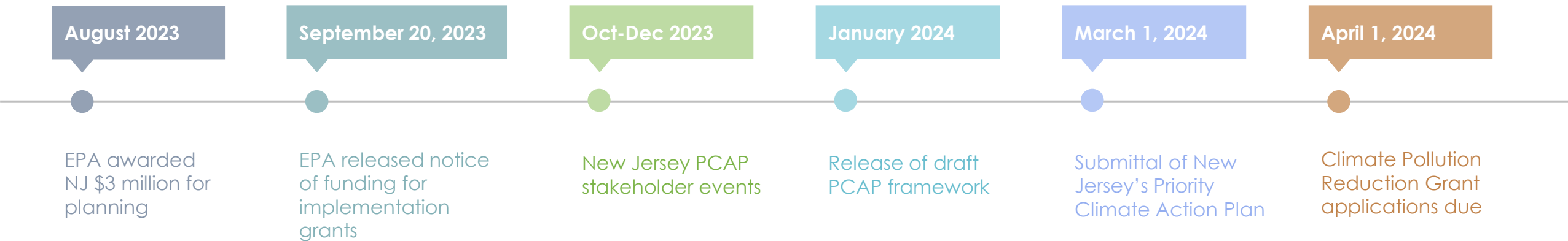
Coalitions may not submit multiple applications for the same set of GHG reduction measures using different lead applicants

Applications will be evaluated holistically

CPRG Key Deadlines

September 2023	Implementation Grant NOFO Issued
Feb 1, 2024	Notice of Intent to Apply for Implementation Grant Due
March 1, 2024	PCAP due
April 1, 2024	Implementation Grant applications due
July 2024	Awards for Implementation Grants
Summer 2025	CCAP due
2027	Status Report due

Timeline for PCAP Development



Upcoming Stakeholder Events

Upcoming Topical Workshops

- November 13th – Highly Warming Gases
- November 22nd – Buildings + Electric Generation
- November 28th – Transportation

Additional Events will be scheduled for other sectors and interest groups

Visit Our Webpage + Join the Email List

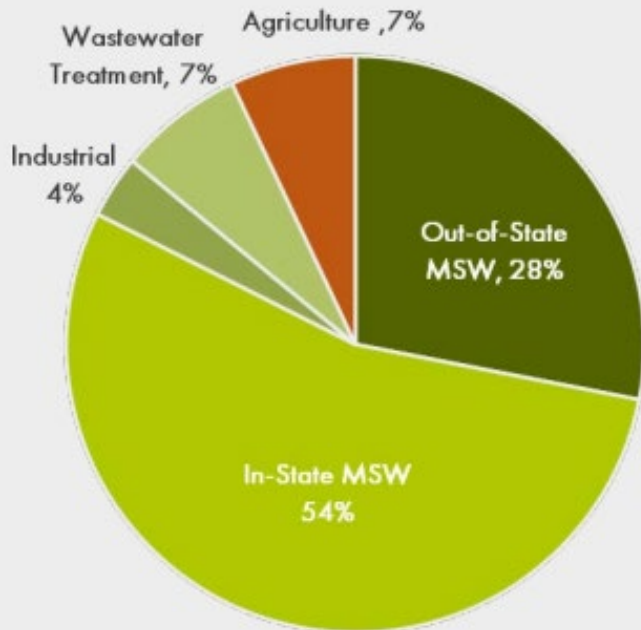
<https://dep.nj.gov/climatechange/mitigation/cprg/>



Waste Sector Deeper Dive

Waste Snapshot

Sources of Waste Sector Emissions (2018)



GWRA 80x50 Report, Figure 3.2

Goals	Priority Reduction Pathways
50% reduction in current food waste disposal in landfills by 2030	1. Reduce and recover food waste
	2. Optimize energy recovery efforts in wastewater treatment

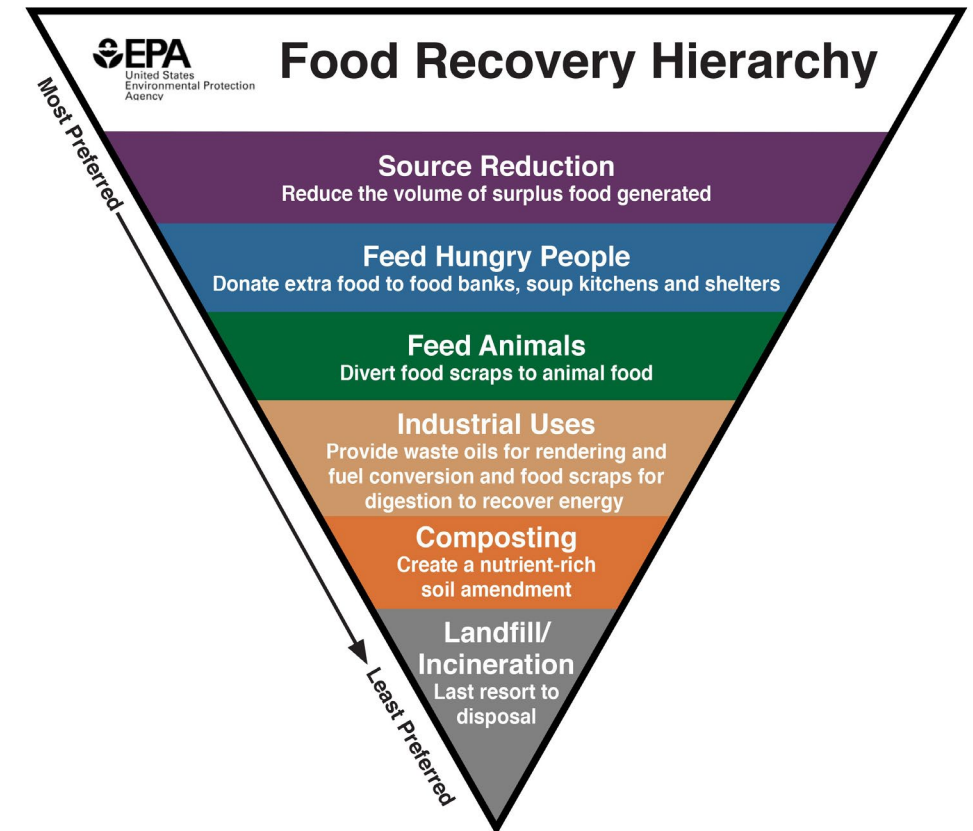
Waste Sector total emissions:

- 5.5 million metric tons CO₂e in 2019
- 5.7 million metric tons CO₂e in 2020
- Increase due to out of state landfilling

Role of Food Waste

- Almost 1lb./person/day
- ~ 17-19% (or more) of organic material in NJ Municipal Solid Waste is food waste
- Generates methane
 - Can be captured and flared, or for beneficial use
- Definition as per P.L. 2020, c.24:

“Food waste is defined as: Food processing vegetative waste, food processing residue generated from processing and packaging operations, overripe produce, trimmings from food, food product over-runs from food processing, soiled and unrecyclable paper generated from food processing, and used cooking fats, oil, and grease.”



Food Waste Policy

Food Waste Reduction Act P.L. 2017, c. 136

- Established 50x30 Goal
 - 2017 baseline: 1.48 million tons
 - 2030 Goal: 742,038 tons
- Food Waste Reduction Plan

Food Waste Recycling and Food Waste-to-Energy Production Act P.L. 2020, c. 24

- Requires certain businesses to source separate and recycle food waste
- Established a Food Waste Recycling Market Development Council



Wastewater Treatment Facilities (WWTFs)

Current Status

- 1 million metric tons CO₂e/year
 - 181 total facilities
 - 500 millions gal/day total in NJ
 - 100 facilities produce >1 million gal/day
- 37 digesters at WWTFs
 - At least 11 utilize biogas
 - Some accept Food Waste
- Food Waste can increase biogas for beneficial use



The Future of WWTFs

- Increasing available Food Waste products
- Expanding beneficial use of biogas
 - CHP/heat/electric
 - Drying/de-watering
- Beneficial land application
- SAB report – potential at 22 WWT facilities, 7 landfills
 - 0.21-0.65 TWh/year of electricity
 - Potential for RNG



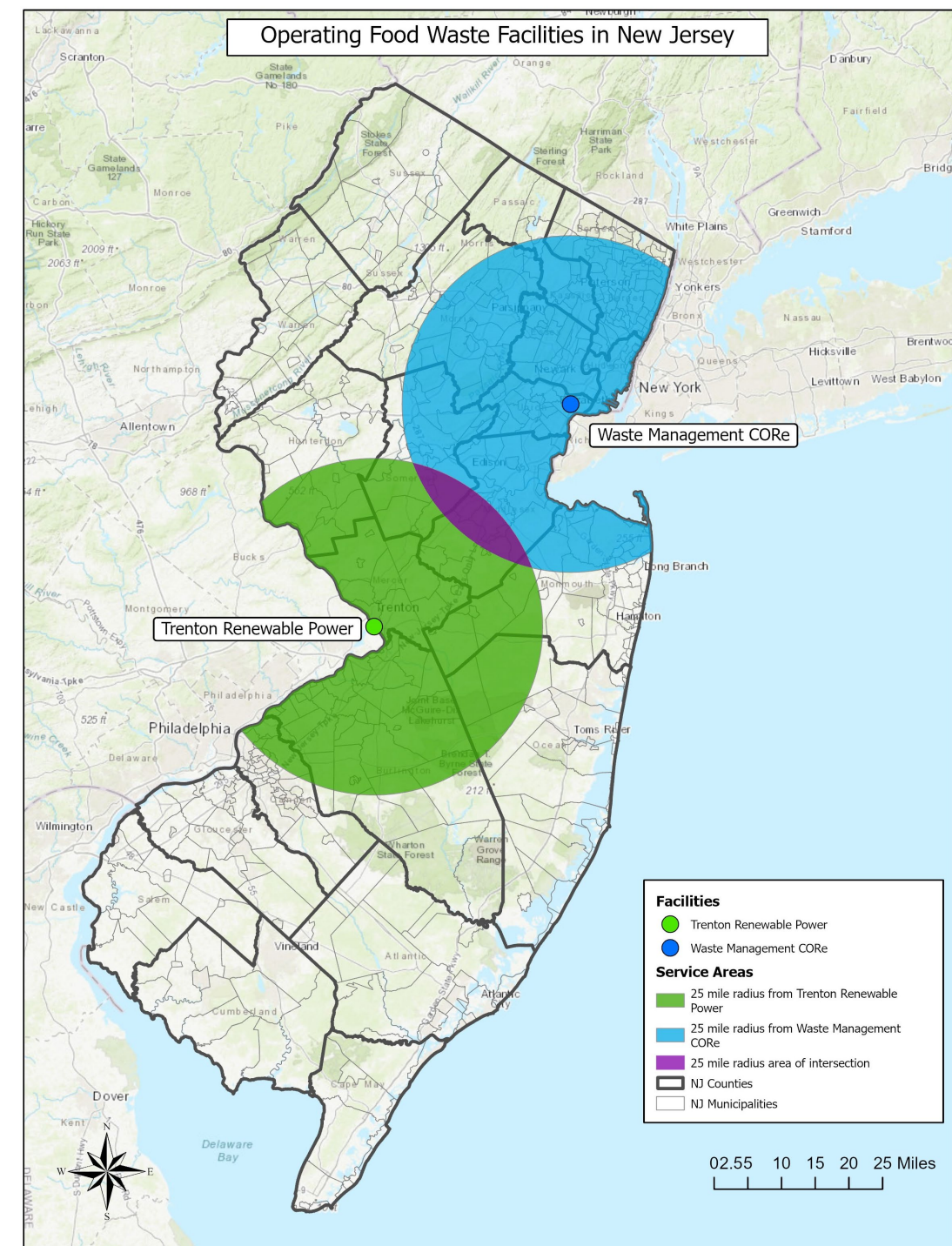
Regulations Supporting Food Waste Recycling Infrastructure

Existing Regulations

- Class C Recycling Permit
- Research Development & Demonstration (RD&D) approval

Amendments to Recycling Rules 7:26A-1.1 & 1.4

- Promoting composting at community gardens.
- Adding in-vessel and covered windrow composting in outdoor set up with environmental safeguards.



Prioritizing Food Waste with Available Grant Funding

DEP's Solid Waste REA Higher Education Research Grant Program

Driving investment in waste reduction by:

- Distributing food waste recycling infrastructure
- Supporting research, education, and outreach

EPA's Solid Waste for Infrastructure Grant (\$491,314)

Promote sustainable food waste management in NJ by developing:

- Food waste management planning guidance and toolkit; and
- New Jersey-specific food waste estimation tool



Potential Opportunities



Food donation/ Rescue support

- New & upgraded refrigeration
- Transportation
- Capacity improvement



Distributed Composting

- Schools/pantries/community gardens
- Lower transport on both ends
- Less landfilling



Food Waste Recycling

- More facilities
- Co-location benefits
- Provide products
- Markets and Circularity



WTE and WWTFs

- More facilities
- Co-location benefits
- Provide products
- Markets and Circularity



Thank you!

