

A close-up photograph of a bright yellow sunflower with a dark brown center, set against a blurred background of other sunflowers and green foliage. The image is used as a background for a presentation slide.

Implementing NJ's Priority Climate Action Plan:

Climate Mitigation Funding Opportunities for NJ Local Governments

12:00 PM May 1, 2024

NJ Department of Environmental Protection
Bureau of Climate Change and Clean Energy

Meet the Team



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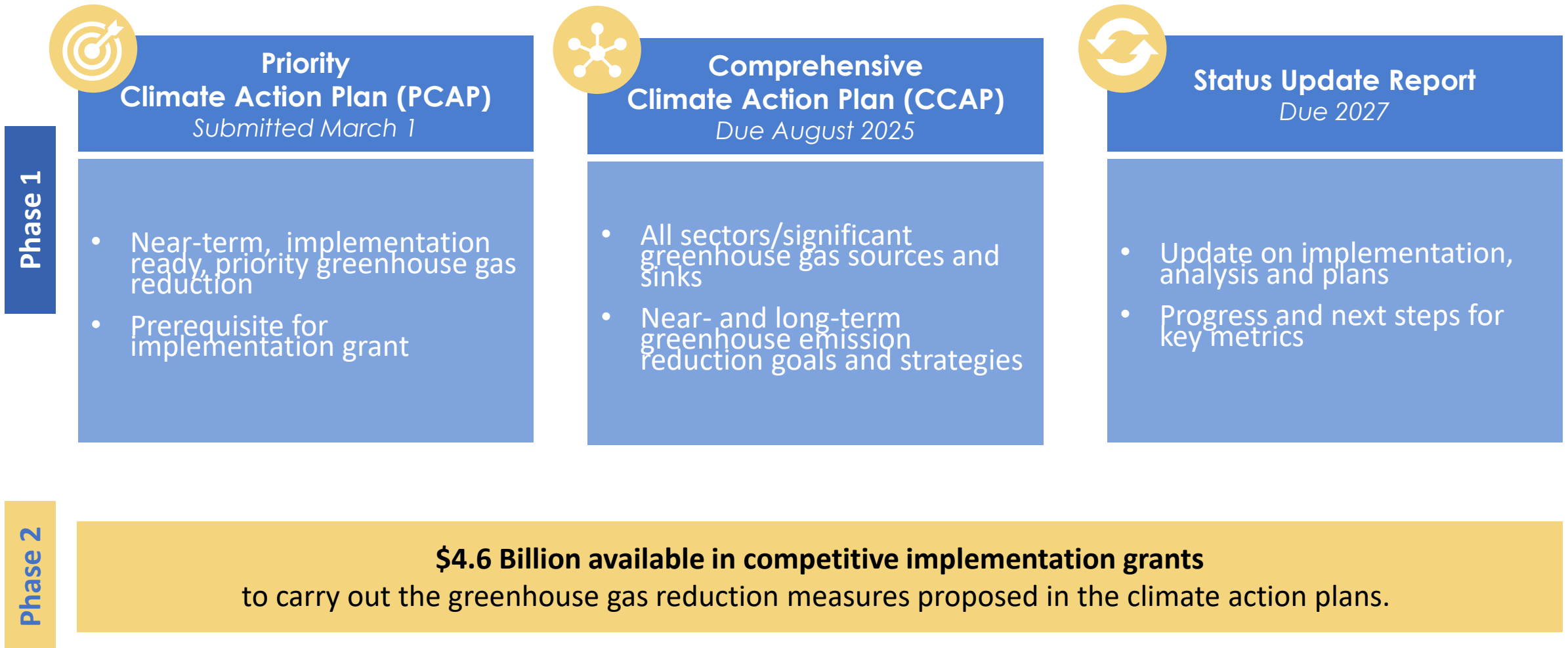
Agenda

1. About New Jersey's PCAP
2. PCAP Measures & Actions
3. Funding Sources Spotlight
4. Open Discussion

1. About New Jersey's PCAP

Climate Pollution Reduction Grant Program

One planning grant, three deliverables over 4 years



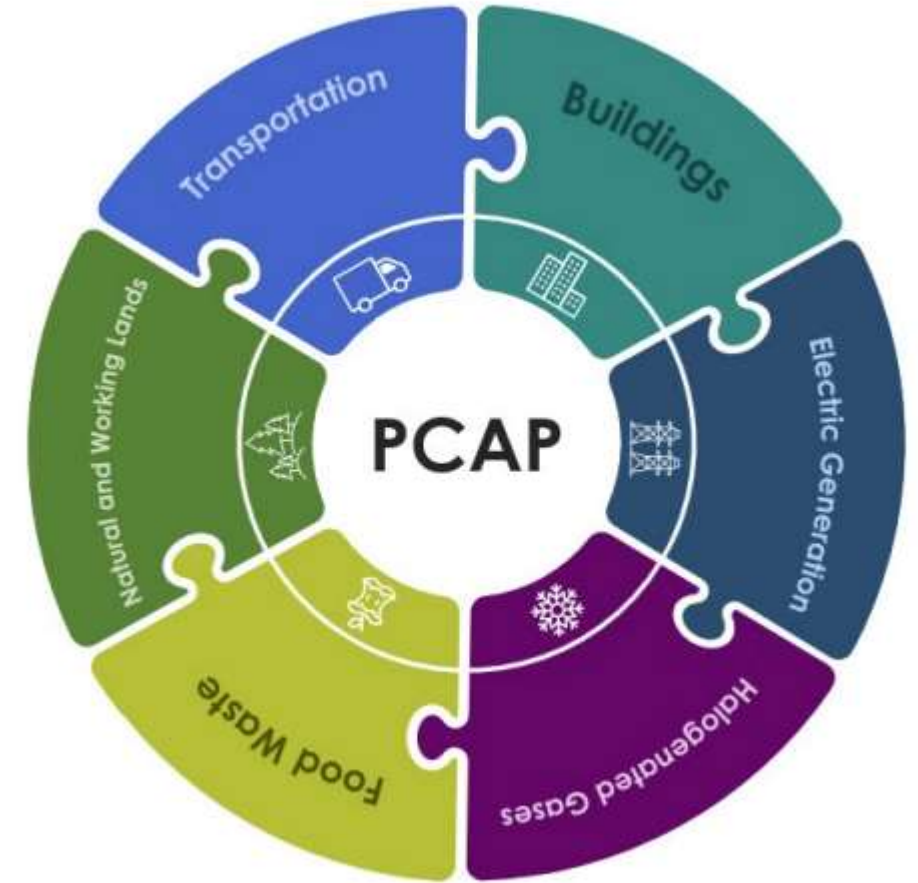
New Jersey's PCAP Basics

NJ's PCAP Priority Focus Areas

Near term roadmap for statewide emissions reductions

Key elements of NJDEP's PCAP:

- Updated Greenhouse Gas Inventory for 2021.
- Identifies and quantifies specific measures to reduce GHG emissions.
- Assesses the authority to implement the measures.
- Evaluates federal funding opportunities to support implementation.
- Analyzes how measures will benefit low-income and disadvantaged communities.
- Evaluates work force development impacts of plan implementation.



Role of Local Governments in Climate Action

- ✓ **Develop Local Climate Action Plans**
- ✓ **Implement Projects**
- ✓ **Connect with Stakeholders to Foster Collaboration**
- ✓ **Ensure Equity and Accessibility**
- ✓ **Engage and Coordinate with the Private Sector**

2. Priority Measures and Enabling Actions for Local Governments

By GHG Emission Sector

Framework for these slides:

Priority Measures and Enabling Actions for Local Governments

Implementation Resources

Funding Opportunities

Transportation Priority Measures

PRIORITY MEASURE

01



Achieve 30% zero-emission medium- and heavy-duty vehicle sales by 2030 and 100% by 2050

Local Gov't Action:

Replace diesel medium and heavy-duty vehicles and school buses with EVs

02



Achieve light duty electrification goals in New Jersey's Electric Vehicle Law (P.L. 2019, c. 362)

Local Gov't Action:

Electrify local government fleets

Local Gov't Action:

Create and expand eMobility programs that provide electric ride sharing, ride hailing services

Local Gov't Action:

Install and expand publicly available electric vehicle charging infrastructure

Transportation Priority Measures

PRIORITY MEASURE

04



Reduce vehicle miles travelled

Local Gov't Action: Expand active transportation infrastructure and complete streets

Local Gov't Action: Promote and Increase NJ TRANSIT ridership and become a “Transit Village”

Local Gov't Action: Expand work-from-home and ridesharing programs



Implementation Resources - Transportation

Getting Started (with GHG reductions)

- **Electrification Resources:**
 - EV Resources for Local Governments ([Link](#))
 - NJDEP Drive Green Resources ([Link](#))
 - Charge Up Your Town (to be EV ready) ([Link](#))
- **Technical Assistance (TA) Resources:**
 - **FREE** Technical Assistance to create comprehensive & customized bus electrification plans ([Link](#))
 - NJDEP Zero-Emission Fleet Advisory Services **Coming Soon**
- **VMT:**
 - Complete Streets & Related Active Transportation Resources ([Link](#))
 - Transit-Oriented Development in NJ ([Link](#))

Further Along

- **Workplan Template for Community Energy Plan ([Link](#)) – Strategy 1**
- **NJ Transit Village Initiative ([Link](#))**
- **NJTPA Complete Streets Technical Assistance Program ([Link](#))**
- **Safe Streets to Transit Program ([Link](#))**

Transportation Sector Funding Opportunities

For NJ Local Governments

Source Level	Due Date	Name Of Opportunity	Public Agency
State	Rolling	Clean Fleet EV Incentive Program	NJBPU
Federal	5/16/2024	Safe Streets and Roads for All Funding Opportunity FY2024	USDOT
State	5/17/2024	NJDEP Electric School Bus Grant Program - For School Districts (& school bus contractors)	NJDEP
Federal	5/20/2024	FY2024 Communities Taking Charge Accelerator	USDOE
State	5/24/2024	NJBPU Community Energy Plan Implementation (CEPI) Grants - *Must have CEP or equivalent plan approved by municipal resolution*	NJBPU
State	5/30/2024	EV Tourism Grants	NJ BPU
Federal	6/17/2024	FY 2023 Active Transportation Infrastructure Investment Program	USDOT
Federal	Rolling 9/30/2024	Clean Bus Planning Awards (Technical Assistance)	NREL (USDOE)
Federal	Rolling 11/21/2024	Environmental and Climate Justice Community Change Grants	US EPA
Federal	TBA	Clean Heavy-Duty Vehicles Program	US EPA
Federal	N/A	IRA Direct Pay - tax credits for non-tax paying entities	IRS

Transportation Sector Funding Opportunities (2)

For NJ Local Governments

Source Level	Due Date	Name Of Opportunity	Public Agency
State	Rolling *waitlist*	NJDEP It Pay\$ to Plug-In	New Jersey Department of Environmental Protection
State	Rolling funds not currently available	NJDEP Diesel Modernization Program	New Jersey Department of Environmental Protection
State	Rolling funds not currently available	NJDEP eMobility Program	New Jersey Department of Environmental Protection
Federal	TBA	Clean Heavy-Duty Vehicles Program	Environmental Protection Agency

Buildings Priority Measures

PRIORITY MEASURE

05



Install zero-carbon emission space heating and cooling and water heating systems in 400,000 residential properties and in 20,000 commercial properties

Local Gov't Action:

Pilot building decarbonization efforts at local government facilities

Local Gov't Action:

Pilot beneficial use of wastewater for building electrification at wastewater treatment facilities

Local Gov't Action:

Help implement NJBPU's Higher Education Decarbonization Pilot Program

Local Gov't Action:

Adopt a stretch code to maximize energy efficiency in new construction
*** Requires state action first ***

Implementation Resources - Buildings

Getting Started

- Local Government Energy Audits ([Link](#))
- Energy Savings Improvement Program ([Link](#))
- Municipal Energy Use Dashboards ([Link](#))
- **Coming Soon:**
 - *NJ's Strategic Building Decarbonization Roadmap*
 - *Supplemental Building Decarb resources for Local Gov'ts*

Further Along

- **Tools & Data Resources:**
 - SLOPE scenario planner tool ([Link](#)) *Counties*
 - Commercial Building Segmentation Analysis Tool ([Link](#))
- **US Department of Energy Programming:**
 - DOE's On-site Technical Assistance Partnerships ([Link](#))
 - Join DOE's Better Buildings Challenge ([Link](#))
 - Join DOE's Better Climate Challenge ([Link](#))
 - Join DOE's Energy Savings Performance Contracting (ESPC) Campaign ([Link](#))
- **Workplan Template for Community Energy Plan ([Link](#))**
– Strategy 3, 4, 6

Building Sector Funding Opportunities

For NJ Local Governments

Source Level	Due Date	Name Of Opportunity	Public Agency
State	5/24/2024	NJBPU Community Energy Plan Implementation (CEPI) Grants - *Must have CEP or equivalent plan approved by municipal resolution *	NJ BPU
State	5/24/2024	NJBPU Community Energy Planning (CEP) Grants - round 2	NJ BPU
Federal	5/31/2024	Communities Sparking Investment in Transformative Energy (C-SITE)	US DOE
Federal	10/31/2024	Energy Efficiency and Conservation Block Grants (EECBG) – formula funding and vouchers for local governments	US DOE
Federal	Rolling 11/21/2024	Environmental and Climate Justice Community Change Grants	US EPA
State	Rolling	NJ Cool - *Only for existing commercial buildings in Newark, Edison, and Atlantic City	NJ EDA
Federal	N/A	IRA Direct Pay - tax credits for non-tax paying entities	IRS

Electric Generation Priority Measures

PRIORITY MEASURE

07



Achieve 12.2 GW of solar in-state by 2030

Local Gov't Action:

Site solar infrastructure at local government facilities

08



Facilitate the integration of clean distributed energy resources into the grid

Local Gov't Action:

Pilot grid supportive technologies such as vehicle-to everything and microgrids

Local Gov't Action:

Support resilient local government operations with renewables and storage

Implementation Resources – Electric Generation

Getting Started

- Community Solar for Municipalities – *7 min Informational Video* ([Link](#))
- “Vehicle-to-Everything” or V2X Intro ([Link](#))
- EPA Energy Resources for Local Gov’ts ([Link](#))
- Direct Pay and Financing Clean Energy Projects 101 ([Link](#))

Further Along

- Apply to NJ’s Community Energy Planning Grant ([link](#))
 - Funding and assistance to develop a community energy plan
- NJ Community Solar PV Siting Tool ([Link](#))
- Workplan Template for Community Energy Plan ([Link](#)) – *Strategy 2 & 7*

Electric Generation Sector Funding Opportunities

For NJ Local Governments

Source Level	Due Date	Name Of Opportunity	Public Agency
State	Rolling	Community Solar Energy Program	NJ BPU
State	5/24/2024	NJBPU Community Energy Plan Implementation (CEPI) Grants - *Must have CEP or equivalent plan approved by municipal resolution*	NJ BPU
State	5/24/2024	NJBPU Community Energy Planning (CEP) Grants - round 2	NJ BPU
Federal	5/31/2024	Communities Sparking Investment in Transformative Energy (C-SITE)	US DOE
Federal	Rolling 11/21/2024	Environmental and Climate Justice Community Change Grants	US EPA
Federal	N/A	IRA Direct Pay - tax credits for non-tax paying entities	IRS

Food Waste Priority Measures

PRIORITY MEASURE

10



Achieve a 50% reduction in food waste by 2030

Local Gov't Action:

Update district solid waste management plans to include food waste reduction

Local Gov't Action:

Encourage schools to adopt the New Jersey School Food Waste Guidelines and institute a food waste reduction curriculum in K12 schools

Local Gov't Action:

Implement a community-scale reusable food-ware system pilot

Local Gov't Action:

Support food waste recovery systems such as anaerobic digesters and co-digestion of food waste at wastewater treatment facilities

Local Gov't Action:

Implement local and regional composting programs

Implementation Resources – Food Waste

Getting Started

- **NJ Food Waste Toolkit** ([Link](#))
 - Resources to inform, authorize and fund food waste prevention and management practices at home, work, school, and government
- **NJ School Food Waste Guidelines** ([Link](#))
- **Food Waste Recovery at Wastewater Treatment**
 - Contact DEP
 - List of facilities with anaerobic digesters

Further Along

- **Governments:**
 - EPA's Community Composting Social Marketing toolkit ([Link](#))
 - ReFED Insights Engine ([Link](#))
 - EPA's Waste Reduction Model (WARM) tool ([Link](#))
 - REA County Grants – *closed* ([Link](#))
- **Schools & Universities:**
 - New Jersey Leave No Bite Behind Education Program ([Link](#))
 - Waste Reduction & Recycling actions – Cafeteria & Food Waste ([Link](#))
 - REA Grants ([Link](#))

Food Waste Sector Funding Opportunities

For NJ Local Governments

Source Level	Due Date	Name Of Opportunity	Public Agency
Federal	<i>Rolling-</i> 11/21/2024	<u>Environmental and Climate Justice Community Change Grants</u>	Environmental Protection Agency
State	5/24/2024	<u>NJBPU Community Energy Plan Implementation (CEPI) Grants</u> - *Must have CEP or equivalent plan approved by municipal resolution*	New Jersey Board of Public Utilities
State	5/24/2024	<u>NJBPU Community Energy Planning (CEP) Grants - round 2</u>	New Jersey Board of Public Utilities

Halogenated Gases Priority Measures

PRIORITY MEASURE

11



Reduce halogenated gas emissions from refrigeration equipment

Local Gov't Action:

Replace high-GWP refrigerant equipment

Implementation Resources – Halogenated Gases

Getting Started

- **NJDEP “About Fluorinated Gases”** ([Link](#))
- **NJDEP “Greenhouse Gas Monitoring and Reporting Rule: Refrigeration Systems and Chillers”** ([Link](#))
- **EPA’s “Protecting Our Climate by Reducing Use of HFCs”** ([Link](#))
 - Includes information on HFC allowance allocation and reporting, technology transitions, management of HFCs, and more

Further Along

- **EPA’s Voluntary GreenChill Program** ([Link](#))
 - Focuses on food retailers, including supermarkets, grocery stores, co-ops, supercenters, and wholesale clubs that are willing to reduce company-wide refrigerant emissions

Halogenated Gases Sector Funding Opportunities

For NJ Local Governments

Source Level	Due Date	Name Of Opportunity	Public Agency
State	5/24/2024	NJBPU Community Energy Plan Implementation (CEPI) Grants - *Must have CEP or equivalent plan approved by municipal resolution* and most projects must be included in the applicant's CEP	New Jersey Board of Public Utilities
Federal	Rolling 11/21/2024	Environmental and Climate Justice Community Change Grants	Environmental Protection Agency
State	Rolling	NJ Cool - *Only for existing commercial buildings in Newark, Edison, and Atlantic City	New Jersey Economic Development Authority

Natural and Working Lands Priority Measures

PRIORITY MEASURE

12



Maintain, protect and enhance New Jersey's natural carbon sinks

Local Gov't/Collective Action: Plant 250,000 street trees/shade trees by 2030

Local Gov't/Collective Action: Identify and restore 800 degraded acres of forested lands by 2030

Local Gov't/Collective Action: Complete 1 tidal reconnection project per year (total of 6) by 2030

Local Gov't/Collective Action: Install 7,800 linear feet of living shoreline per year by 2030

Implementation Resources – Natural & Working Lands

Getting Started

- **Urban and Community Forestry**
 - NJ Community Forestry Program Guidelines ([Link](#))
(updated Jan 2024)
 - Resources ([Link](#))
 - Technical Assistance & Accreditation ([Link](#))
- **Quantifying Your Terrestrial Carbon Sinks**
 - Land Emissions And Removals Navigator (LEARN) Tool ([Link](#))
- **Tidal Wetlands & Blue Carbon**
 - Coastal Resilience – NJ Tool ([Link](#))
 -  Marsh Explorer
 -  Restoration Explorer (Living Shorelines)
 -  Risk Explorer
 - Coastal Ecological Restoration and Adaptation Planning (CERAP) Explorer ([Link](#))

Further Along

- Reforestation, Tree Planting and Maintenance Plan Requirements ([Link](#))
- Apply for NJ DEP Financial Assistance:
 - Urban and Community Forestry Grants ([Link](#))
 - Natural Climate Solutions Grants ([Link](#))
 - Trees for Schools ([Link](#))
- Join PEW Blue Carbon Network ([Link](#))

Natural and Working Lands Sector Funding Opportunities

For NJ Local Governments

Source Level	Due Date	Name Of Opportunity	Public Agency
Federal	Rolling 11/21/2024	<u>Environmental and Climate Justice Community Change Grants</u>	Environmental Protection Agency

Other funding sources and opportunities:

[NFWF Grants](#)

3. Funding Source Spotlight:

a. NJDEP's School Bus Electrification Grants

NJDEP Electric School Bus Grant

- Provides up to \$15,000,000 per year (2022-2024) (per P.L. 2022, c.86) to replace diesel school buses with battery-electric school buses
 - \$270k - \$350k per award

- **Applications Due: May 17, 2024, 5:00 p.m. ET**

[Apply Now](#)

- Eligible applicants:
 - Schools and school districts that own their buses
 - Includes public, private, charter, and other K-12 schools
 - School bus contractors that provide busing services to schools and school districts
 - School bus contractors must apply in conjunction with a specified school or school district.



<https://dep.nj.gov/stopthesoot/electric-school-bus-program/>

3. Funding Source Spotlight:

b. NJBPU's Community Energy Plan
Implementation (CEPI) Grants

Community Energy Plan Implementation (CEPI) Grants

- Funding up to \$250,000 per award
 - To implement clean energy projects in their respective communities
- Complements Community Energy Planning (CEP) Grant program
 - Both CEP and CEPI grant applications are due by 5/24/24
- 40% of available funding will be awarded to Overburdened Municipalities



See www.njcleanenergy.com/CEP

Eligibility

- Applicants must be a New Jersey municipal government
- Must have a completed and adopted ***community energy plan*** (CEP) ***or equivalent plan***.

All applications must be submitted
to community.energy@bpu.nj.gov by 5:00 pm Eastern time on
May 24, 2024.

For questions regarding this program, please
email community.energy@bpu.nj.gov.

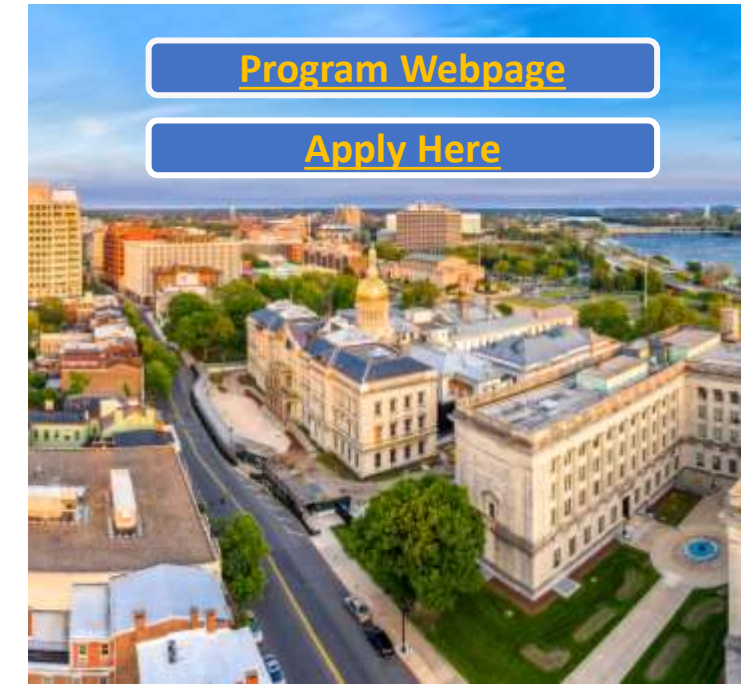
3. Funding Source Spotlight:

c. EPA's Environmental Justice and
Community Change Grants

Community Change Grants

Federal EPA Grant with \$2B available for community-driven pollution solutions and climate resiliency solutions

- For disadvantaged communities
- Track I: Community-Driven Investments for Change
 - Funding Available: \$1.96 billion for approximately 150 awards
 - Per Award Amount: \$10M – \$20M each
- Track II: Meaningful Engagement for Equitable Governance
 - Funding Available: \$40M for approximately 20 awards
 - Per Award Amount: \$1M-3M each
- Additional \$200M available for [Technical Assistance](#)
- Applications are due now through November 21, 2024, on a rolling basis



[Program Webpage](#)

[Apply Here](#)

<https://www.epa.gov/inflation-reduction-act/inflation-reduction-act-community-change-grants-program>



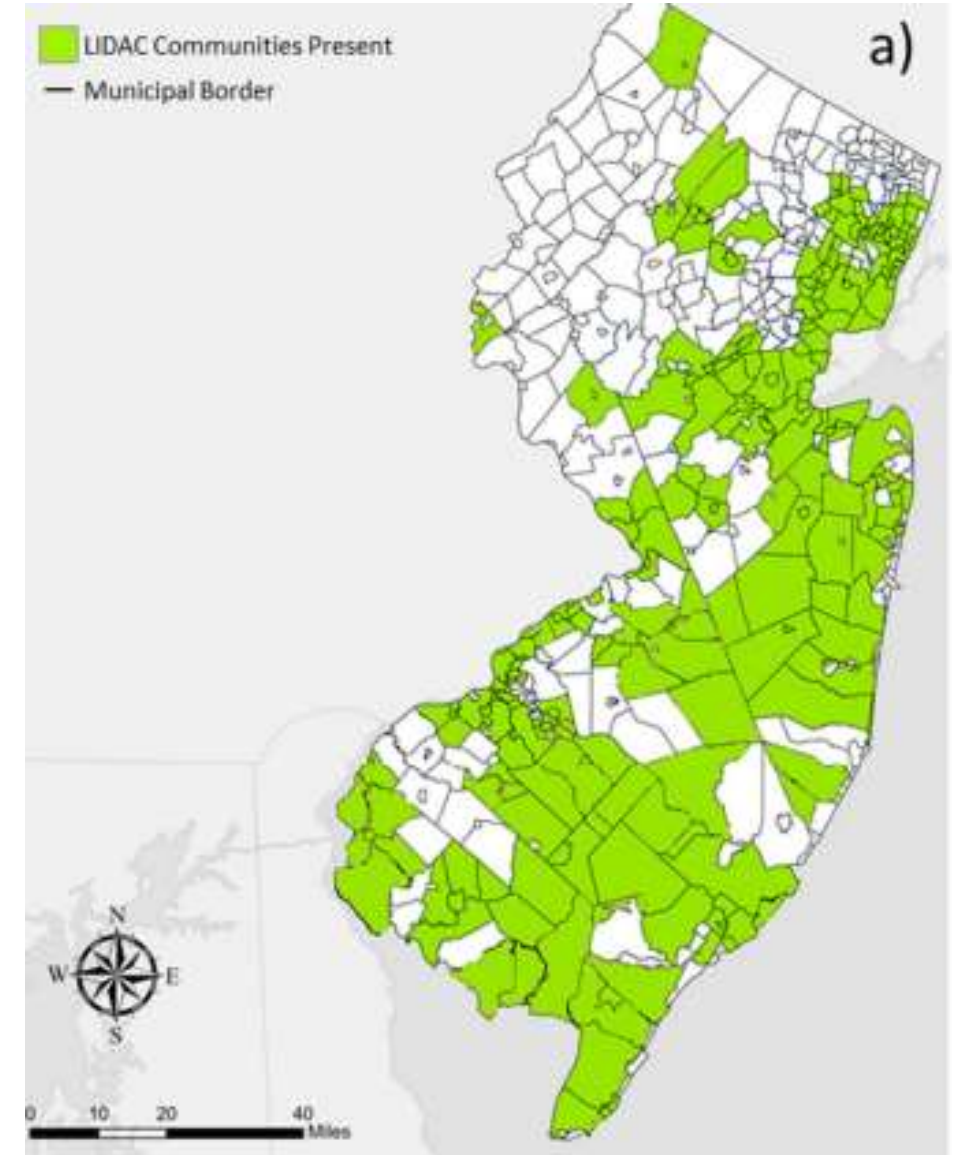
Eligibility

Applicants

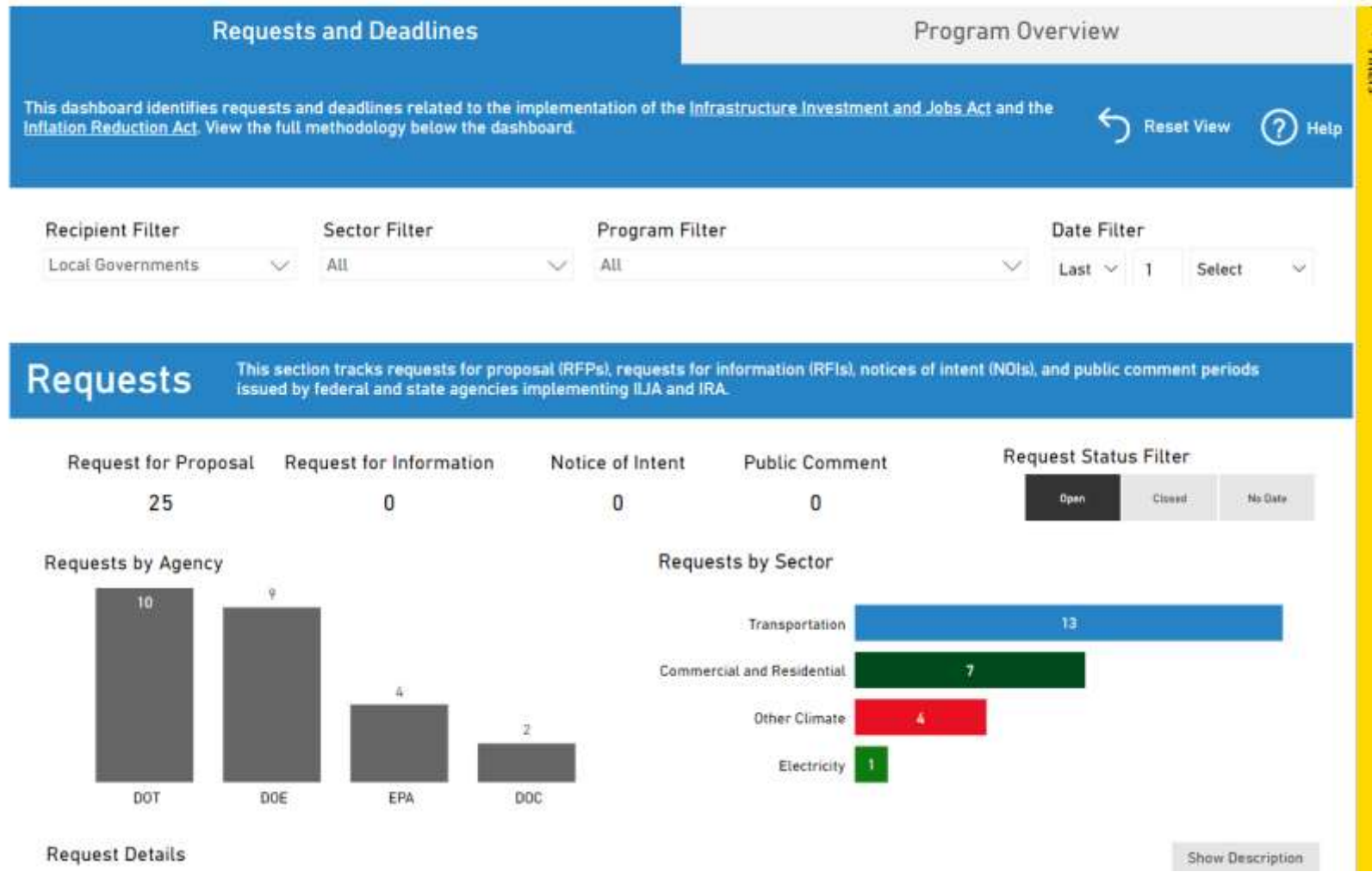
- All applications must include a Lead Applicant & Statutory Partner
- *Lead Applicant* must be a Community-Based Organization (CBO)
- *Statutory Partner* can be another CBO, **Local Government**, Institute of Higher Ed, or Federally Recognized Tribe
- Others can be involved as *collaborating entities* (state gov, additional CBOs and local gov, etc.)

Projects

- Must be a *community-identified* project to benefit a Disadvantaged Community (DAC)¹
- A full list of New Jersey Municipalities that contain a DAC can be found in [Appendix 7.4 of NJ's PCAP](#).



More Info + Free Climate Technical Assistance Resources

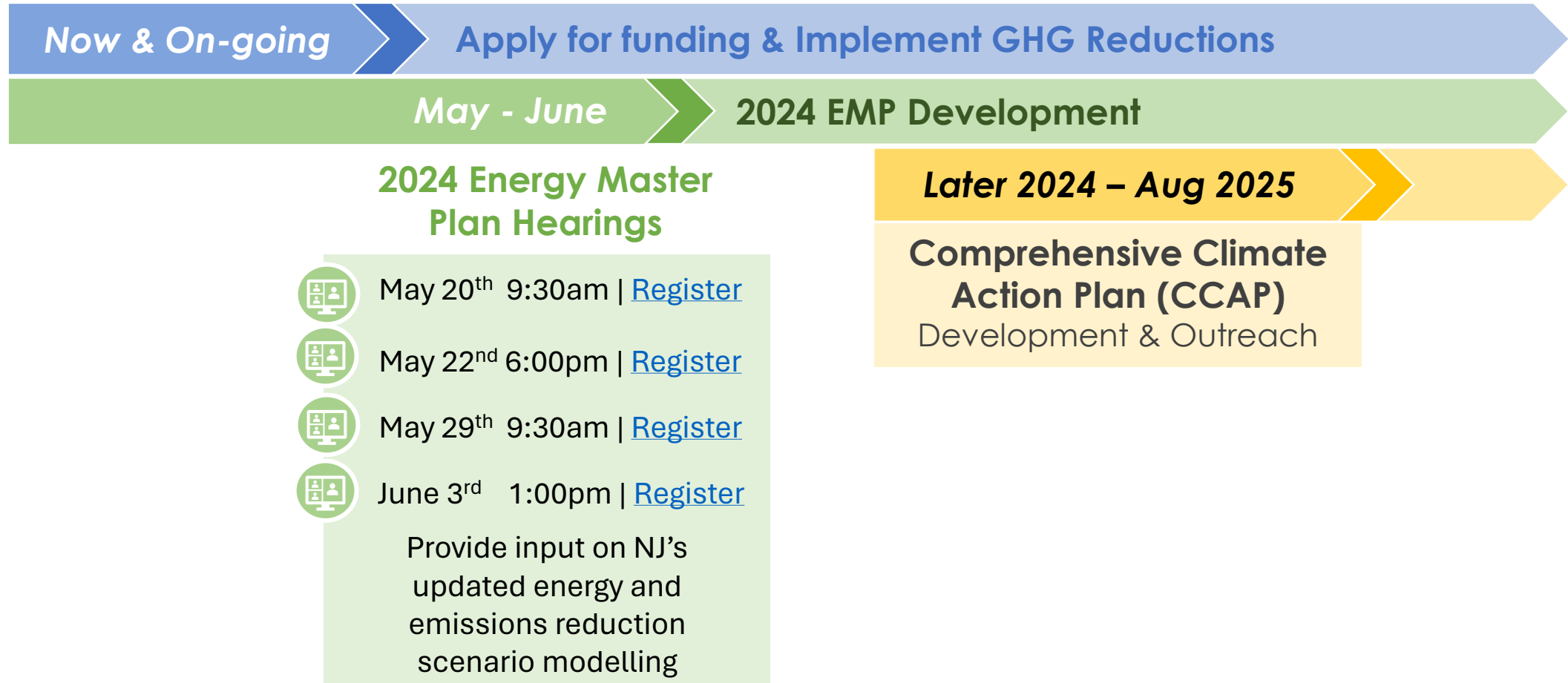


- For [New Jersey Local Governments](#)
- For [NGOs](#)
- For Schools, Individuals, Utility Commissions and other entities see: <https://climateprogramportal.org/technical-assistance-directory/>

Open Discussion

What would empower your local government to implement these GHG reduction strategies?

What's Next?





Thank you!

