



UPDATES FROM STATE AGENCIES

May 3, 2024

CEU SIGN IN



QR CODE INSTRUCTIONS:

Open the Camera app on your phone.
 Hold your phone so that the QR code appears in view.
 Tap the notification to open the link.
 You MUST Sign in to receive CEU credits.

WIFI INFORMATION: 2 Open Networks

1.sustainablenj: Ballroom, GS3, Nonprofit Exhibit area
2.Bell_Works_Conf_Center: Bell Theatre & Conference

Sustainability & Climate Mitigation

Peg Hanna, Director

Division of Climate Change Mitigation and Monitoring

May 3, 2024

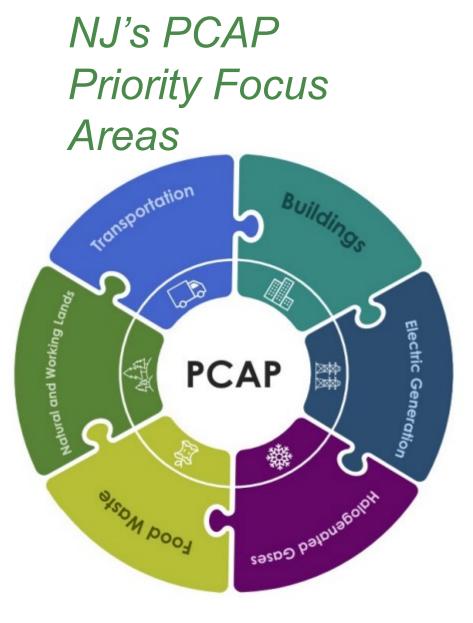


Role of Local Governments in Climate Action

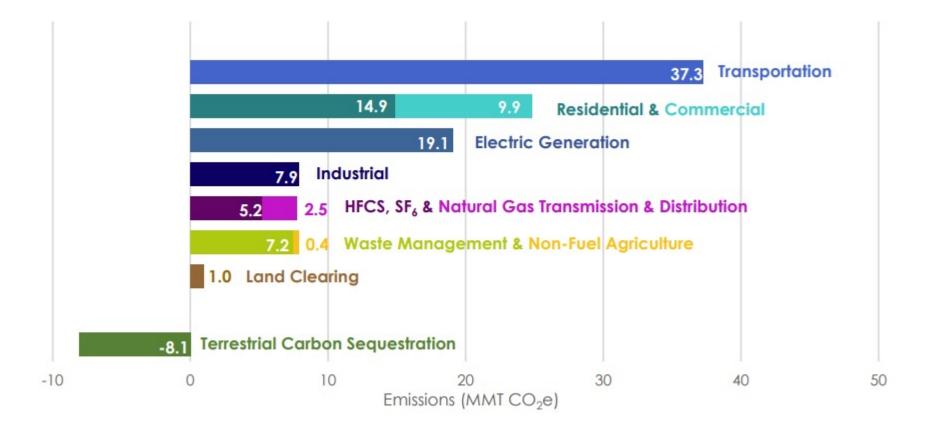
Develop	Develop Local Climate Action Plans
Implement	Implement Projects
Connect	Connect with Stakeholders to Foster Collaboration
Ensure	Ensure Equity and Accessibility
Engage and Coordinate	Engage and Coordinate with the Private Sector

Cross sector funding opportunities & other resources

<u>https://dep.nj.gov/wp-</u> <u>content/uploads/climatechange/docs/njdep-post-</u> <u>pcap-webinar-presentation.pdf</u>



2021 Greenhouse Gas Inventory



It Pay\$ to Plug In Grant Funding Overview

https://dep.nj.gov/drivegreen/it-pays-to-plugin/

- Overall:
 - More than \$14 million funded
 - 1,284 chargers (1,897 ports)
 - 390 project locations
 - 50% Public
 - 30% Workplace
 - 20% MUDs

Workplace Projects:

- More than \$2 million funded
- 388 L2 charger (585 ports)
- 115 locations



Charging and Fueling Infrastructure Discretionary Grant Program (CFI)

\$10 million award distributed through 2 Sub-Programs

Sub-Program 1

Approx. \$5M: Fund EV charging stations at or near MUDs and transit stations that are on the waitlist for It Pay\$ to Plug In, and that can meet the CFI requirements.

Sub-Program 2

Approx. \$5M: Formalize partnerships with the five local government entities that submitted letters of support and provide funding to them as subrecipients. For any additional funding remaining, solicit additional local government partners to deploy chargers near MUDs and transit stations.





Electric Vehicle Resources for Local Government

New Jersey

In New Jersey, the transportation sector accounts for 42% of the state's greenhouse gas emissions, making it the largest emissions source in the state

The Energy Master Plan

defines 100 percent clean

energy by 2050 as 100 percent carbon-neutral

electricity generation and

maximum electrification of

the transportation and

building sectors, which are

the greatest parbon emission producing sectors

in the state

By transitioning to EVs, NJ

would take a

transformative step

toward elimination of the

dominant source of local

air pollution, including

black carbon, providing

large, direct health

savings, with outsize

benefits to environmental justice communities

ourrenity burdened by

poor air quality

Accelerate electric vehicle (EV) adoption in New Jersey with incentives, procurement tools, policy and planning support, and more.

Incentives

If PayS to Plug In: NJ's Electric Vehicle Charging Grants Grants to effect the cost of partness and installation of electric white charging stations approximation, workplans, government and educational facilities, nonprofile, spartnersh and condentinuum, and along highways. anouch/ensempt.item/charging.thml

Heavy Duty Vehicle Electrification Grants Gents to replace eld desit truds, base, port equipment, marine vesets, and trains with electric power and to offset the cost of associated charging infrastructure, some states of an infrastructure, herei

Clean Reef Electric Vehicle Incentive Program Grants of up to 54,000 per vehicle for the purchase of up to two eligible electric vehicles for load gevernment activities in the winny. The program allows load gevernments to purchase DV at the State Purchasing Contract price and atmutaceously apply for grant fands. Funds are executed on a rolling best and adapts to availability. www.milemins.com/State/States/Clearts/Offleet/COClearts/COC/Milde/COnverting SCOPporent/States/States.com

eMobility Grants

Owners for electric shared mobility project such as electric car sharing and ride halling. Project that benefit lows or moderate increas communities that are dispropertiestedy impacted by air politikes will be prioritized. presentation: number vehicle bits Scherosers Scherosers and

Procurement

Electlic Vehicles on NJ State Purchasing Contracts There are the fully electric and plage in block electric which a with discounted pricing on state contract. The which and that Contract/Neeks 8 are: 2000 Obseviet Bolt (20-FLEE 10055); 2019 Name Land (20-FLEE 100556); 2010 Toyeta Phas Minne (15-FLEE 10055); 2010 Fold Landsman (20-FLEE 10055); 2010 Toyeta Phas Minne (15-FLEE 10055); 2010 Fold Landsman (20-FLEE 10055); 2010 Toyeta Phas Hybrid Indone (20-FLEE 2001) Fold Landsman (20-FLEE 20055); 2010 Toyeta Phase Hybrid Indone (20-FLEE 2001) Fold Landsman (20-FLEE 2005); 2010 Toyeta Phase Hybrid Indone (20-FLEE 2001); 2010 Fold Landsman (20-FLEE 20055); 2010 Toyeta Phase Hybrid Indone (20-FLEE 2001); 2010 Fold Landsman (20-FLEE 20055); 2010 Toyeta Phase Hybrid Indone (20-FLEE 2001); 2010 Fold Landsman (20-FLEE 20055); 2010 Toyeta Phase Hybrid Indone (20-FLEE 2001); 2010 Fold Landsman (20-FLEE 20055); 2010 Toyeta Phase Hybrid Indone (20-FLEE 2001); 2010 Fold Landsman (20-FLEE 20055); 2010 Toyeta Phase Hybrid Indone (20-FLEE 2001); 2010 Fold Landsman (20-FLEE 20055); 2010 Toyeta Phase Hybrid Indone (20-FLEE 2001); 2010 Fold Landsman (20-FLEE 20055); 2010 Toyeta Phase Hybrid Indone (20-FLEE 2001); 2010 Fold Landsman (20-FLEE 20055); 2010 Toyeta Phase Hybrid Indone (20-FLEE 2001); 2010 Fold Landsman (20-FLEE 20055); 2010 Toyeta Phase Hybrid Indone (20-FLEE 2001); 2010 Fold Landsman (20-FLEE 20055); 2010 Toyeta Phase Hybrid Indone (20-FLEE 2001); 2010 Fold Landsman (20-FLEE 20055); 2010 Toyeta Phase Hybrid Indone (20-FLEE 20055); 2010 Toyeta Phase Hybrid Indone (20-FLEE 2001); 2010 Fold Landsman (20-FLEE 20055); 2010 Toyeta Phase Hybrid Indone (20-FLEE 2001); 2010 Fold Landsman (20-FLEE 20055); 2010 Toyeta Phase Hybrid Indone (20-FLEE 2001); 2010 Fold Landsman (20-FLEE 20055); 2010 Toyeta Phase Hybrid Indone (20-FLEE 20055)

Climate Mayors Electric Vehicle Purchasing Collaborative Purchase or have electric vehicles and charging stations using competitively tail contracts. Open all U.S. cites, counties, state generaments and public universities. The Collaborative also provides training, best practices, educational resources and analysis support, creating a one-step shop to support EV transitions for public fleets, your Chell Them uses

Section A. Electric Vehicles (EVs) Part 1: Summary of Incentive Programs							
Agency	Geographic Eligibility		Summary Detai	ls			
	Statewide	Sales Tax Exemption - New or used Zero Emission Vehicles (ZEVs) sold, rented, or leased are exempt from state sales and use tax in weight classes 1-8					
BPU	Statewide	Purchase Incentive: S4k per Battery Electric Vehicle (cap depends on population served) - Local governments, entities, and schools Pop. Iess than 20k 4 vehicle maximum Pop. 30-50k: 10 vehicle maximum Pop. S0-100k: 14 vehicle maximum State/County governments, agencies, authorities, and State universities: 20 vehicle maximum					
BPU	Statewide	Purchase or Lease Incentive for New Jersey Residents - New light-duty plug-in electric vehicles with a Manufacturer Suggested Retail Price (MSRP) below S55k are eligible MSRP 548 or less: 525 per all-electric mile, up to 54k MSRP 545-55k: 525 per all-electric mile, up to 52k					
	Statewide	Purchase Incentive to Replace Medium- and Heavy-Duty Vehicles - Local government vehicles and school buses (including privately-owned school buses under contract with public school districts) - 100% of Incremental cost of vehicle plus associated charging infrastructure - Vehicle being replaced must be decommissioned					
NJJEDA	Limited: greater Camden, greater	emission vehicles (ZEVs) - Base value depends on O	ross Vehicle Weight Rat				
		and the second se					
	Brunswick,			\$25,000			
	and greater			\$55,000			
	Shore area			\$75,000			
				\$85,000			
				\$100,000			
	Phase 2 coming soon. Visit program website to sign up for listserv notifications)	Bonus Criteria* - Certified woman-, minor - Small business: 25% incr - Small business vehicle so NJ ZIP voucher-funded ZE ¹ - New Jersey manufacturii vehicle	ity-, or veteran-owned to case of the base vouche rappage: \$2k per vehicle g bonus: 25% increase cation bonus: \$2k per v	pusiness: S4k per vehicle ir amount per vehicle e scrapped and replaced with a of base voucher amount per ehicle			
	Agency Agency (BPU) (BPU) (C) (C) (C) (C) (C) (C) (C) (C	Part 1: Summary of Incentive Agency Geographic Eligibility Statewide Statewide Statewide geater Comden, greater Newark, greater Newark, and greater Newark, and greater Quert Newark, and greater Coming Statewide; details on Phase 2 coming soon. Visit program website to sign up for listserv	Agency Geographic Eligibility Agency Sates Tax Exemption - New or used Zero Emissis from state sales and use to - New or used Zero Emissis from state sales and use to - New or used Zero Emissis from state sales and use to - New or used Zero Emissis from state sales and use to - New or used Zero Emissis from state sales and use to - New or used Zero Emissis from state sales and use to - New or used Zero Emissis from state sales and use to - New or used Zero Emissis from state sales and use to - New or used Zero Emissis from state sales and use to - New or used Zero Emissis from state sales and use to - New or used Zero Emissis from state sales and use to - New or used Zero Emissis - New Ight-duty pluges emission - Call government vehick buses under contrive to Rev - Oracle government vehick buses under contrive to Rev - Oracle government vehick buses under contrive to Rev - Oracle government vehick buses under contrive to Rev - Nucle for businesses and - Revealed Seto New - Statewide -	Agency Geographic Eligibility Summary Detail With a statewide Sales Tax Exemption - New or used Zero Emission Vehicles (ZEVs) sold, from state sales and use tax in weight classes 1-8 With a statewide Statewide Purchase Incentive: 54k per Battery Electric Vehic Enved] With a statewide Purchase Incentive: 54k per Battery Electric Vehic Enved] With a statewide Purchase Incentive: 54k per Battery Electric Vehic Enved] With a statewide Purchase Incentive: 54k per Battery Electric Vehic Enved] With a statewide Purchase Incentive: 54k per Battery Electric Vehic Enved] With a statewide Purchase or Lease Incentive to any Pop. 20-500k: 10 vehicle maximum Pop. 50-100k: 14 vehicle maximum State/County governments, agencies, authorities, maximum With a statewide Purchase or Lease Incentive to any Price (MRSP) below 555k are eligible MSRP 545-55k: 525 per all-electric mile, up to 52 - 100% and construct with public school buses (Inc buses under contract with public school buses (Inc buses and contract with public class 3 tatewide; detalis on Phase 2 conning scont, Vitit program <			

Incentive Programs are updated periodically and information may differ from what is shown. For current details please visit the individual program websites.

August 2022 New Jersey Department of Environmental Protection

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ELECTRIC VEHICLE & CHARGING INFRASTRUCTURE INCENTIVES





www.drivegreen.nj.gov/localresources.pdf www.dep.nj.gov/wpcontent/uploads/drivegreen/pdf/incentivesummary.pdf www.nj.gov/dep/drivegreen/pdf/chargeupyourtown.pdf



Charge Up Your Town:

Best Management Practices to Ensure Your Town is EV Ready









February 2022

• **GOTrenton!** – A collaborative, electric mobility solution that improves Trenton residents' access to jobs, healthcare, food shipping and social services.

 Jersey City/Via- Transition existing ondemand fleet to EVs.

 Woodbridge – Electric Shuttle Connection will fill transportation gaps from the Metro Park and Woodbridge Train Station.

 Zapp – DC Fast Charging hubs in the greater Newark and Camden areas to support all - electric rideshare fleets.

Blink – Community station based all electric carsharing service.

 Envoy- mobility as an amenity pilot using EVs for carshare at affordable housing units in NJ.

Zipcar- Launch of 16 publicly accessible EV carshare vehicles at 8 locations in overburdened communities.

DEP's eMobility Grant Program

New Jersey is bringing zero emission transportation options to overburdened communities through eMobility programs.



Download the

to ride!

Workplace Van Service Coming Soon!

The Solution: GOTrenton!

A Community-Led eMobility Pilot



On-Demand Shuttle Top Destinations

- Transit Center
- Soup Kitchen
- Grocery Stores
- Health Center
- Senior Center

- Community College
- Multi-Family Housing
- Community Center
- Public Library
- Parenting Center

Main Project Components

- On-demand shuttles (all-electric)
- EV charging stations
- Workforce van (all-electric)

Workforce Development

Local residents were hired and trained as drivers for the program.

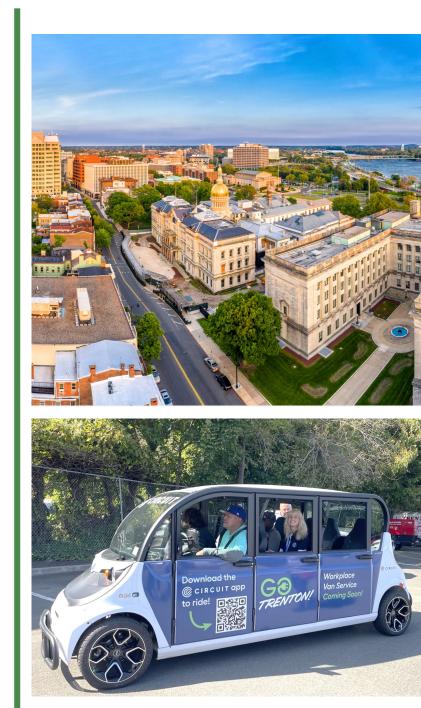
The electric workforce van will transport residents from Trenton to common workplace sites that currently don't have direct transportation access.

Learn More at <u>www.gotrenton.org</u>

EPA Community Change Grants

\$2B available for community-driven pollution 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
- <u>https://www.epa.gov/inflation-reduction-act/inflation-reduction-act-community-change-grants-program</u>



Community Change Grants Eligibility

Applicants

All applications must include a <u>Lead Applicant</u> & <u>Statutory</u> <u>Partner</u>

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



Must be a *community-identified* project to benefit a Disadvantaged Community: <u>https://www.epa.gov/environmentaljustice/i</u> <u>nflation-reduction-act-disadvantaged-</u> <u>communities-map</u>



1. Climate Action Strategy (must address at least 1)

- **Green Infrastructure & Nature-Based Solutions**
- Mobility & Transportation Options
- A Energy-Efficient, Healthy and Resilient Housing &
- 🔆 Buildings
- **Wicrogrid Installation Community Resilience Hubs**
- Brownfield Redevelopment Waste Reduction &
- 2. Pollutiona Reduction Strategy (must address at least 1)
- 3. CommuNity fongagemeent & Collaborative Governance Plan
- 4. Community Strength Plan
- 5. Readiness approach
- 6. Compliance Plan

Requirements

Track I: Community-Driven Investments for Change





NJ electric school bus grant program



\$15 million to **replace diesel** school buses **with battery-electric** school buses

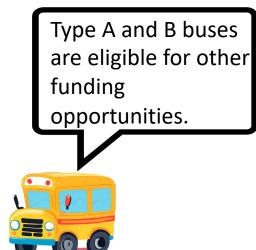
Applications Due: May 17th, 2024, 5:00 p.m.

Eligible applicants:

- Schools and school districts that own their buses
- School bus contractors that provide busing services to schools and school districts

Eligible Buses

- □ All electric
- □ Type C or D
- □ New (No repowers or used buses)
- □ Purchase or leased (A minimum five-year lease is required)
- Operate in New Jersey for at least five years and at least 75% of vehicle miles traveled
- □ Range must be the greater of:
 - 90 miles of all-electric range on a full charge, or
 - 30% more range on a full charge than the expected daily maximum miles
- Be accompanied by appropriate training from the dealer or manufacturer for bus maintenance personnel, bus drivers, and other relevant personnel





Bi-directional Charging Pilot

Funding Amounts

Version	Standard Grant Amount	Overburdened School District Grant Amount
Bus + Level 2 Charging Station	\$270,000	\$300,000
Bus + DC Fast Charging (DCFC) Station	\$290,000	\$320,000
Bi-directional charging pilot per bus <u>maximum*</u> (includes bus, charging components and bonus incentives)	\$320,000	\$350,000

Number of buses per applicant: 2-24*

Overburdened school districts include those located in municipalities categorized as overburdened communities.

Up to \$40,000 in federal tax credits. Can be combined with funding amounts shown here.

A list of overburdened communities can be found at: <u>https://dep.nj.gov/ej/communities/</u> *See slide 12 for additional details

Zero-Emission Fleet Advisory Services - CALSTART

Task 1 Recruit & Select Fleets

- Public and privately owned fleets Class 2b and larger
- Priority for fleets in OBCs
- Approx. 15 fleets per year; 3 years
- Focus on fleets <10 MHD for Year 1



- Total cost of ownership (TCO)
- Charging/fueling options
- Procurement plan including in-person site assessment



- ZE- MHDV availability
- State and federal incentive programs
- Generic TCO calculators
- "How to get started guide" with steps and timelines
- Case studies

Task 4 Provide progress and final reports

- Quarterly progress updates
- Final report assessing the program's overall benefits, lessons learned, recommendations for future fleet electrification, project successes and challenges

Sustainable Jersey Collaborations



NJDEP Supports and Collaborates with Sustainable Jersey

- Grant application reviews
- School Climate Challenge Project
- Sustainable Business Registry Community Pages

Trees for Schools Grant Program

Awarded \$4.55 million in grants to 34 public schools, colleges, and universities

Trees are being planted Spring 2024

Exploring second round of funding in 2025



NJ School Food Waste Guidelines

Available with other food waste resources at:

dep.nj.gov/sustainability /outreach-andeducation/food-wastetoolkit

Updated in February 2024 Covers K-12 and Higher Education

Can be used in conjunction with Sustainable Jersey's Food Waste Tool Kit



Recycling Contamination Awareness

- Recycling contamination is a key recycling issue
- Bureau of Sustainability Outreach Campaign
 - Recycle Right NJ social media campaign
 - www.nj.gov/dep/dshw/recycling/Media%20Campaign%20Guide.
 pdf
 - Recycle Coach
 - https://www.nj.gov/dep/dshw/rc/index.html
 - Dual Stream Recycling Collection Fact Sheet
 - <u>https://www.nj.gov/dep/dshw/recycling/Dual%20Stream%20Fact</u>
 <u>%20Sheet.pdf</u>
 - dep.nj.gov/sustainability/



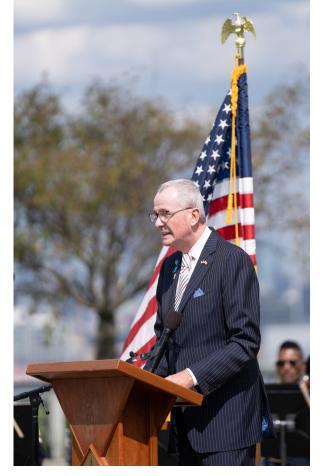


Outreach to Overburdened Communities

- Bureau of Sustainability is available to conduct community outreach in overburdened communities
- Currently attending recurring community events in Newark









Thank you!







Sustainability Summit May 3, 2024 Veronique Oomen, Director of Clean Energy



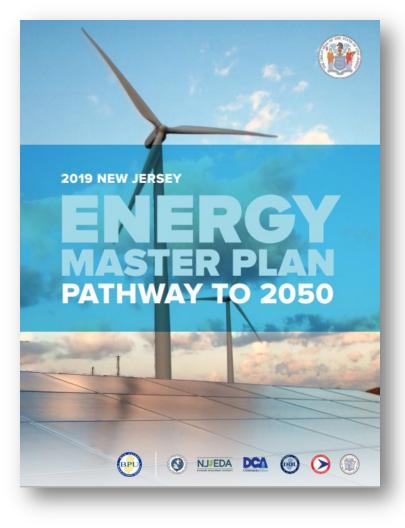
Community Energy Plan Grant (CEPG)

The Community Energy Plan Grant (CEPG) program was designed to support municipalities in developing **community-level energy plans** that align with the strategies in New Jersey's Energy Master Plan.

All New Jersey municipalities are eligible for \$10,000.

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Overburdened municipalities are eligible for \$25,000 and enhanced technical assistance.



Recap of Second Round

Participation from municipalities throughout the State covering **20** counties

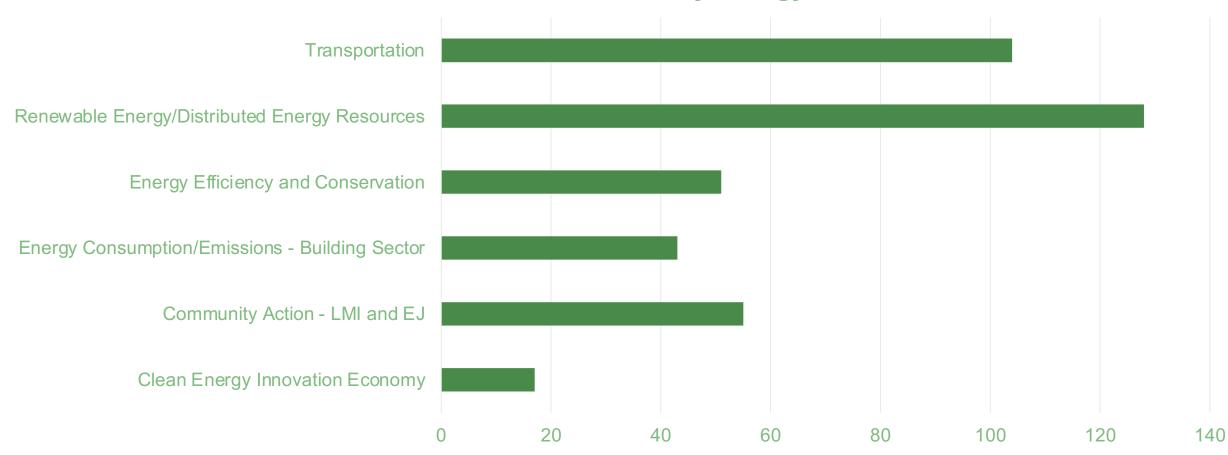
CEPG program year 2 awardees by county:

- Atlantic 3 Bergen -2Burlington – 2 Camden – 5 Middlesex – 3 Cape May – 5 Monmouth - 3 Cumberland – 1 Morris - 2 Essex – 4 Ocean - 1 Gloucester – 1 Passaic - 2
- Hudson 4 Hunterdon – 1 Mercer – 1
- Salem 1 Somerset - 1 Union - 3 Warren - 1



EMP Strategy Areas

Occurrences in Community Energy Plans



Most Common Initiatives

Initiative	Occurrences
Install public EV charging infrastructure	18
Upgrade energy efficiency for municipal facilities	18
Install on-site municipal renewable generation	17
Purchase alternative fuel vehicles	16
Adopt supportive zoning and regulations for EV infrastructure	15

Overburdened Municipalities

In support of ensuring equitable access to clean energy benefits, the CEPG program criteria for Overburdened Municipalities (OBMs) has been expanded to assist more communities.

In addition, OBMs are eligible for:

- Larger grant awards of \$25,000 for community energy planning
- Enhanced technical assistance to develop funding applications and to develop energy plans upon award

Reporting Requirements

\$10,000 grant award

-One (1) expenditure report at the end of the twelve (12) month grant term

\$25,000 grant award (OBMs)

-Three (3) quarterly expenditure reports and one (1) final report on or before the end of the twelve (12) month grant term

Stakeholder Engagement

Participation in this grant program requires at least two stakeholder sessions:

- First session: Application phase
- Second session: Plan development phase

Requirement is just a minimum!

 Municipalities are encouraged to hold more stakeholder sessions to receive continued feedback from the community.

Application

Application can be found at: <u>www.njcleanenergy.com/cep</u>

Application period closing date: May 24, 2024

Community Energy Plans

What is a Community Energy Plan?

A Community Energy Plan helps a community work toward a better environment for all residents by using the state's Energy Master Plan (EMP) as a guide to align local efforts. The EMP identifies seven strategies for rapid reductions in greenhouse gas emissions by targeting efforts to reduce energy use, reduce emissions, increase renewable energy, and more.

Community Energy Planning is the process by which communities collaboratively select and strategically implement emissions-reducing initiatives that fulfill the EMP goals. This Process includes assembling a planning team of local municipal staff, elected officials, relevant municipal board and commission members, and community volunteers. This planning team assesses the municipality's needs and helps find the opportunities for energy resiliency, renewable energy, and energy efficiency.



Community Energy Plan Grant (CEPG) Program

In 2019, the Board established a Community Energy Plan Grant Program. While the EMP provides a framework for a statewide transition to 100% clean energy by 2050, the Community Energy Plan Grant Program provides support to municipalities to develop climate action plans at the local level based on their assessment of which EMP strategies are most applicable in their respective communities.

The Community Energy Plan Grant Program was redesigned for program year 2 by the Office of Clean Energy Equity to prioritize low- and moderate-income and overburdened communities by removing barriers to participation and providing more financial and technical support to those communities that are most in need of these grants.

Program year 3 was approved on November 17, 2023, with some changes made to the program. The changes include:

- Shorter grant timeline now 12 months
- Expanded criteria to determine Overburdened Municipalities MRI score now needs to be 40 or higher to qualify under this criteria
- O Proposed budget now after technical assistance consultations with Sustainable Jersey

All municipalities are eligible to receive a \$10,000 grant. Municipalities identified as being Overburdened Municipalities (OBMs) are eligible to receive a \$25,000 grant. A chart containing OBMs for the current program year can be found below.

The application window for CEPG is now open. See link below:

Application Form

Community Energy Plan Implementation (CEPI) Grant

The new **Community Energy Plan Implementation** (CEPI) grant program was designed to help municipalities build off the work done through the Community Energy Plan Grant (CEPG) program.

Municipalities can apply for funds to support implementation of **energy resiliency**, **renewable energy**, **or energy efficiency** projects that have been identified as priorities in local energy plans.

CEPI - Eligibility

Eligible applicants are **New Jersey municipalities** who have either completed a plan through the CEPG program, or have adopted an "Equivalent Plan".

Equivalent Plans are community energy plans not created through CEPG but substantially address the same elements, including:

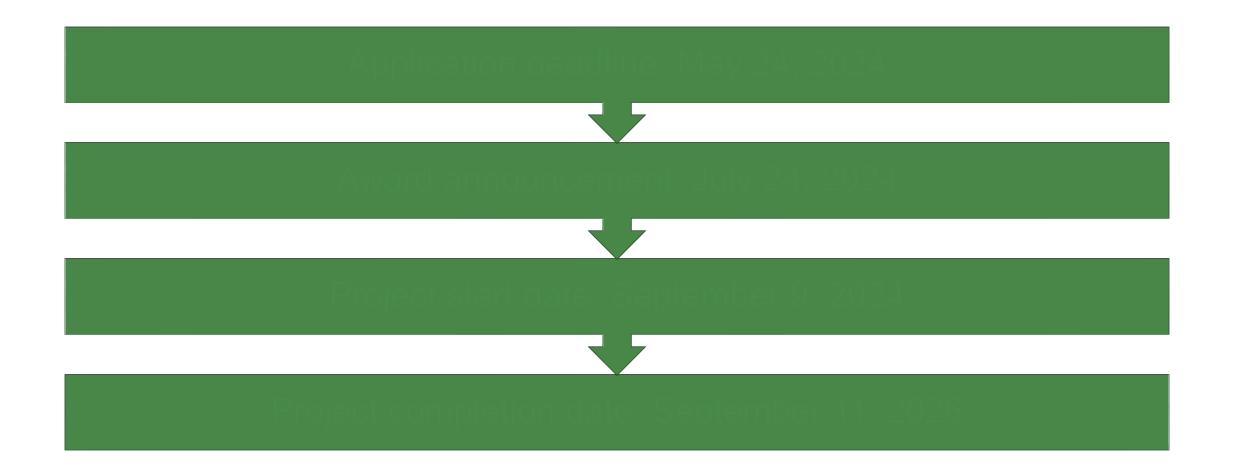
- Implementation plan
- Covers the strategies identified in CEPG Workplan Template
- Passed by municipal resolution

Overburdened Municipalities

In support of ensuring equitable access to clean energy benefits, the program criteria for Overburdened Municipalities (OBMs) has been expanded to assist more communities.

In addition, OBMs will receive at least 40% of total funding award through CEPI. This is in alignment with the federal Justice40 intiative

CEPI - Estimated Program Timeline



CEPI - Project Proposals

Applicants are eligible to receive funding up to \$250,000 for **one or multiple** projects

Applicants are encouraged to submit up to \$500,000 in projects



More project proposals = more chances for selection!

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Additional Projects

Opportunity to receive funding that exceeds the \$250,000 cap

If program funds remain after all qualifying proposals are chosen, municipalities have the possibility of receiving funding for one Additional Project.

The Additional Project does not need to be included in the Community Energy Plan

 In order to qualify, a municipality must have had one CEP-related proposal accepted for award.

CEPI - Reporting Requirements

The following requirements include some, but not necessarily all, federal reporting requirements:

- Buy America
- Davis-Bacon
 - Payroll Reports (weekly)
 - Assurance Report (semi-annual)
- Good Jobs Report (annual)
- Locations Reports (one-time, first year)
- NEPA Logs (quarterly)
- Federal Financial Report

Further guidance on reporting requirements will be provided to award recipients

CEPI - Application

Application packet and additional information can be found at:

www.njcleanenergy.com/cep

Community Energy Plan Implementation (CEPI) Grant Program

The New Jersey Board of Public Utilities (NJBPU) Community Energy Plan Implementation (CEPI) Grant Program will award eligible municipalities with funding up to \$250,000. To implement clean energy projects in their respective communities. This program is designed to complement the Community Energy Plan Grant (CEPG) Program and support municipalities in implementing highpriority, high-impact, practical, and cost-effective municipal projects supporting energy resilience, renewable energy, and energy efficiency.

Eligible applicants must be a New Jersey municipal government with a completed and adopted community energy plan or equivalent plan. If program funds are remaining after all eligible projects are selected, an applicant may receive funding for one additional project.

The application window for CEPI is now open. See links below:

Application Form

Project Workbook



All applications must be submitted to community.energy@bpu.nj.gov by 5:00 pm Eastern time on May 24th , 2024. For questions regarding this program, please email community.energy@bpu.nj.gov.

Contact us at:

community.energy@bpu.nj.gov

NJCleanEnergy.com/COMMUNITYSOLAR

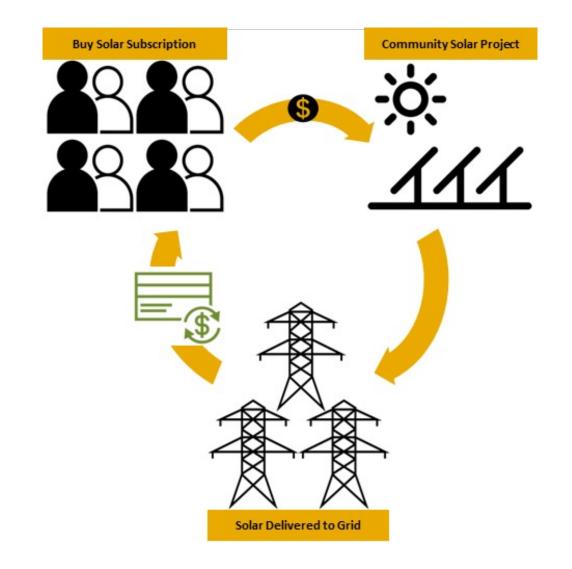
New Jersey is a leader in Community Solar!



Caven Point, Jersey City – Hartz Mountain/PowerMarket

- A large solar array that is virtually divided among multiple participants (subscribers) by means of a credit on their utility bill.
- The system is remotely located, as opposed to being located on the subscriber's own roof.
- Enables access to solar energy for those who have not been able to go solar in the past, including renters and households, institutions, or businesses where the roof isn't appropriate for solar installation, or solar is cost-prohibitive.

NJCleanEnergy.com/COMMUNITYSOLAR



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NJCleanEnergy.com/COMMUNITYSOLAR

- Two program years, with awards made in 2019 and 2021
 - The Board awarded 150 projects totaling 243 MW
 - 102 projects with 141 MW have come online
 - 16 projects with 51 MW are still under construction



Mount Laurel – Photo courtesy Solar Landscape

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NJCleanEnergy.com/COMMUNITYSOLAR

- Permanent program established by the Board on August 16, 2023
- Incentive of \$90 / MWh for 15 years
- Registration opened November 15, 2023
- 225 MW made available, divided among EDCs
- 224 projects with 225 MW accepted so far
- This week the Board announced opening an additional 275 MW on May 15, 2024



Linden Hawk Rise Solar, Linden – Navisun

NJCleanEnergy.com/COMMUNITYSOLAR

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Overall program capacity

- Energy year 2024: 500 MW
- Energy year 2025: 250 MW
- Energy year 2026 and beyond: at least 150 MW
 - NJ has been awarded \$156 million in Federal funding from the EPA's "Solar for All" Program to supplement

NJCleanEnergy.com/COMMUNITYSOLAR

Siting

- Projects may be sited on:
 - Rooftops
 - Carports and canopies over impervious surfaces
 - Contaminated sites and landfills
 - Man-made bodies of water that have little to no established floral and faunal resources (floating solar)
 - Former mining sites



Solar Landscape

Sunwealth/Citrine/Pfister

Navisun



New Jersey

Low- to moderate-income households

- All projects must have 51% of capacity subscribed by LMI subscribers.
- LMI households have income below 80% of area median income.
- LMI status may be verified with participation in assistance programs, residence in certain census block groups, and through self-attestation.

50

NJCleanEnergy.com/COMMUNITYSOLAR

Bill savings

- Subscribers will receive at least the project's guaranteed bill credit savings rate
- Bill credit savings rate must be a minimum of 20% for new projects



North Brunswick – Solar Landscape

Consolidated billing

- Utility consolidated billing will reduce customer confusion and hassle of two bills
- Subscribers will be billed with the net crediting method.
 - The bill discount rate is applied to the applicable portion of the bill.

Applied bill credit x guaranteed savings rate = net credit Customer bill total – net credit = final amount billed

- Consolidated billing is a prerequisite to automatic enrollment.
- Coming in 2025

Automatic enrollment

- Municipalities or counties would be able to automatically enroll residents to a project they own or partner with
- The public entity may select residents to enroll, and 80% of the capacity must be LMI
- Residents must have the opportunity to opt out of subscribing
- Coming in 2025

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NJCleanEnergy.com/COMMUNITYSOLAR

The New Jersey Board of Public Utilities partnered with Sustainable Jersey to develop the New Jersey Community Solar Project Finder

SustainableJersey.com/communitysolar

 \mathbf{BP}

New Jersey's

cleanenergy

program[™]

NJCleanEnergy.com/COMMUNITYSOLAR

New Jersey Community Solar Project Finder includes:

- Overview of Community Solar Program
- List of projects accepting subscribers
- Community solar FAQs

SustainableJersey.com/communitysolar

	Annual Annua	y)	New Jerse Solar Pr	ey Comm oject Fin		SUSTAIN JERS CERTIF	EY .
Enter your zip code to see projects serving your community: Enter a value				Enter your zip code to see a list of community solar projects that are available in your municipality. Some zip codes may not overlap perfectly with municipal boundaries. Community solar project sign-ups are by municipality, please check the chart to verify your eligibility. Community solar subscribers can only subscribe to a project located in their electric utility service territory.			
	N	ot sure what some	of the terms included in the char	t below mean? See the o	lossery of common community solar terms		
Project Name Subscriber Organization Developer Project Description +	Link to Project Website	Date Project Operational	Eligibility Requirements	Estimated Percent Customer Savings*	Subscription Contract Terms	Electric Utility Service Territory	Municipalities Served I Project
Emeraid City Solar Subscriber Organization: Subscribes LLC Project Developer: Solar Builder, Inc. Project Description: 3.3 MW Solar array on Sexame Stread	Click here for more information and sign up.	projected to be operational 02/25/2025	Credit check required? NO Automated payment required (credit/debit card)? YES Is project open to residents who live in master-metered buildings? YES	All customers 20%	Subscription contract length: 1 year Deposit or subscription fee: None is there a fee to leave project during contract period? No fee to leave the project with 30-day notice Does percentage of savings change over life of contract? NO	Atlantic City Electric	Emerald City, West Emerald City
Good Guys Solar for All Subscriber Organization: Subscriber LLC Project Developer: Solar Builder, Inc. Project Description: 2.3 MW Solar array on Emerald City Brownfield Site	Click here for more information and sign up.	operational since 1/1/2023	Credit check required? NO Automated payment required (credit/debic cord)? YES Is project open to residents who live in master-metered buildings? NO	All customers 15% UMI customers 20% Emerald City Senoirs 20%	Subscription contract length: 2 years Deposit or subscription fee: None Is there a fee to leave project during contract period? No fee to leave the project with 30-day notice Does percentage of savings change over life of contract? NO	PSEBG	Emerald City, South Gotham
Gotham Solar Project Subscriber Organization: Find Customer, LLC Project Developer: Solar Builder, Inc. Project Description: 2.3	Click here for more information and sign up,	operational since 7/1/2022	Credit check required? YES Automated payment required (credit/debic conf)? YES is project open to residents who live in master-metered buildings? NO	All customers 10% LMI customers 15%	Subscription contract length: 2 years Deposit or subscription fee: None Is there a fee to leave project during contract period? No fee to leave the project. Does percentage of savings change over	PSEBIG	Gotham, South Gotham

Remote Net Metering

- Similar to Community Solar, but subscribers are public entities
- Program expanded per P.L. 2023 c.190, approved December 21, 2023
- To be "modeled after the relevant rules and regulations adopted by the board for the community solar energy program"
- Coming soon

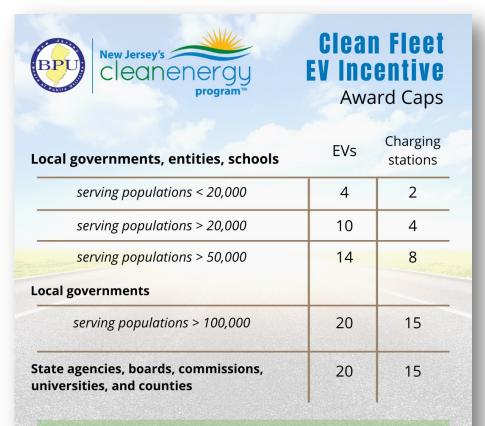


Clean Transportation: Clean Fleet

Incentive Program for state, county and local government and non-profits.

- \$4,000 for a light duty BEV
- \$5,000 for a L2 Public Charger
- \$4,000 for a L2 Fleet Charger
 - Up to \$5,000 for Make Ready for a Fleet Charger
- \$50,000 for a DCFC Public or Fleet
 - Up to \$50,000 for Make Ready for a Fleet Charger

A 50% Bonus for Overburdened Municipalities



www.NJCleanEnergy.com/EV

Multi-Unit Dwelling (MUD)

- Incentive for condos, apartments, townhouse developments with 5 or more units.
- Provides \$4,000 for each Level 2 charger.
- Developments in Overburdened Municipalities and deed restricted low and moderate income housing are eligible for \$6,000 for each Level 2 charger.

NJBPU'S MULTI-UNIT DWELLING (MUD) EV CHARGING INCENTIVE

\$4,000 for each eligible dual-port networked Level 2 EV charger

Charger Caps						
# Units	Max Chargers					
5-40	3 L2					
41-100	6 L2					
101-200	12 L2					
200+	24 L2					

NJCLEANENERGY.COM/EV

EV Tourism

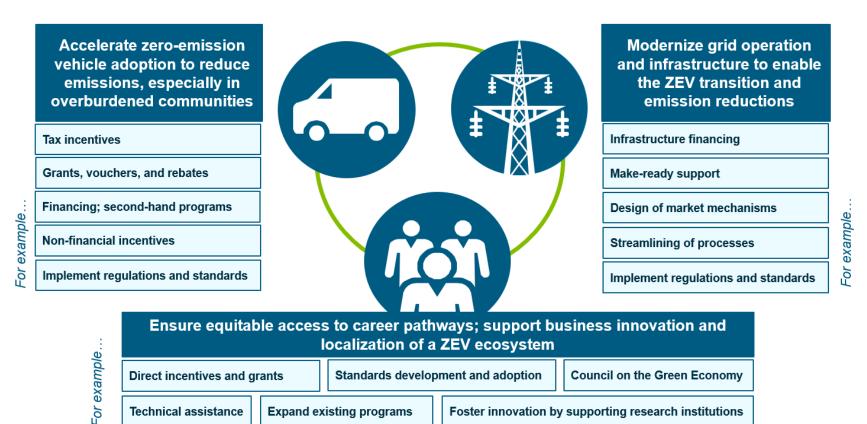
- Targets tourism destinations across the state
- Incentives for chargers:
 - \$5,000 per L2 charger (up to cost of charger)
 - \$50,000 per charger (up to cost of charger)
- Sites are eligible for up to 6 L2 chargers and 2 DCFC.



 Applications due November 30, 2023

Questions?
 <u>EV.programs@bpu.nj.gov</u>

A Whole of Government Approach: NJ's EV ecosystem planning



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Thank You!



Sustainable Jersey Summit NJDOT Initiatives May 3, 2024

Megan Fackler Director Statewide Planning

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State Policy

County Policies 8

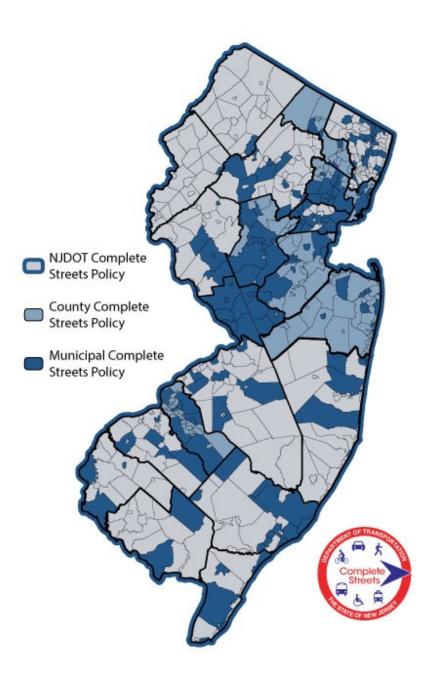
Municipal Policies 179 (8 of which are ordinances)

as of February 2023

Extra point on NJDOT grant applications!

www.state.nj.us/transportation/eng/completestreets/

njbikeped.org/nj-complete-streets-policy-compilation/



HOME ABOUT PARTNERS

SUMMITS



NEWS & UPDATES RESOURCES

GET INVOLVED

Toward Zero Deaths NJ

Reducing fatal and serious injury crashes on all of NJ's Public Roads

saferoadsforallnj.com



About Us v Federal Funding v State Funding v PMRS v News v Resources v

Local Aid Programs and Resources

njdotlocalaidrc.com



WE'RE HERE TO HELP YOU

The Local Aid Resource Center is NJDOT's promise to help you! It is a hub for a variety of information and services for Local Public Agencies.



FEDERALLY FUNDED PROGRAMS



STATE FUNDED PROGRAMS



SYSTEM FOR ADMINISTERING GRANTS ELECTRONICALLY (SAGE)



NEW JERSEY TRANSPORTATION INFRASTRUCTURE BANK (NJTIB)





vtc.rutgers.edu/new-jersey-bicycle-pedestrian-resource-center/



njdotlocalaidrc.com



NJDOT SAFETY RESOURCE CENTER

(Website coming soon)



Join us at the NJ Safe Routes Academy!





and more!



Porous Concrete on Westfield Ave., Camden City Source: Camden County Municipal Utilities Authority





Foam glass aggregate used on the Route 7 Wittpenn Bridge project

Source: Commitment to Communities Newsletter Vol. 27-2 **Electric vehicle charging station** Source: NJDOT

Thank you!

Contact: Megan Fackler Director Statewide Planning

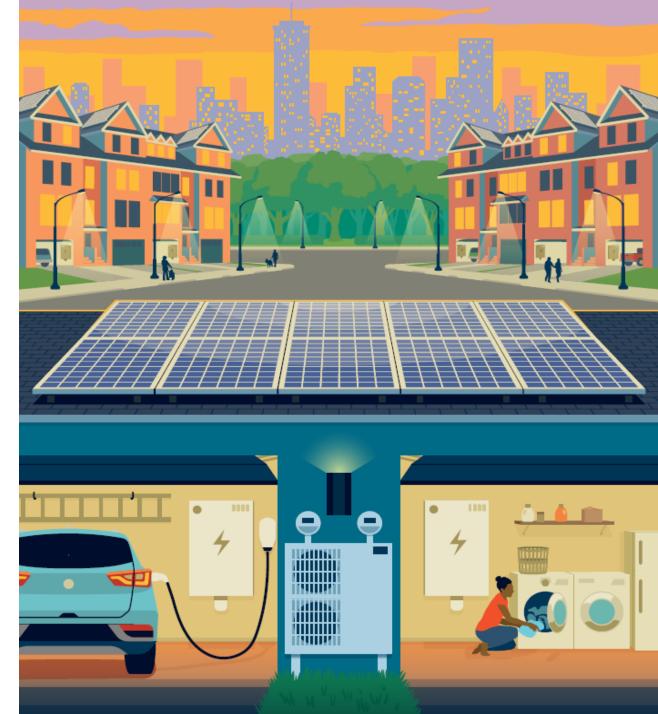
Email: megan.fackler@dot.nj.gov Phone: 609-963-1983



Clean Energy Products & Partnerships



ECONOMIC DEVELOPMENT AUTHORITY



May 3, 2024

How is climate change impacting New Jersey?

- Since 1980, the state has been affected by 62 extreme weather events that each have had nationwide cumulative losses exceeding <u>\$1 billion (NOAA)</u>.
- New Jersey's average annual temperatures have increased by more than 3 degrees Fahrenheit since 1900.
 <u>Nine of the 10 hottest calendar years on record</u> have occurred since 1990 (NJDEP).
- Sea-levels are increasing at a greater rate in New Jersey than other parts of the world. By 2050, it is likely that sea-level rise will meet or exceed 2.1 feet and increase to 5.1 feet by the end of the century (NJDEP).
- Sunny day flooding will occur more often across the entire coastal area with Atlantic City experiencing sunny day flooding 95 days a year and a 50% chance it will experience 355 days a year by 2100 (NJDEP).
- New Jersey <u>annual precipitation has been 8 percent above average</u> during the last 10 years. The Garden State has experienced an upward trend of 4.1 inches (9 percent increase) in precipitation per 100 year (NJDEP).
- Rising temperatures leading to longer and more frequent heat waves are expected to <u>exacerbate heat stress</u>, <u>degrade air quality</u>, and increase exposure to vector-borne diseases (Rutgers).

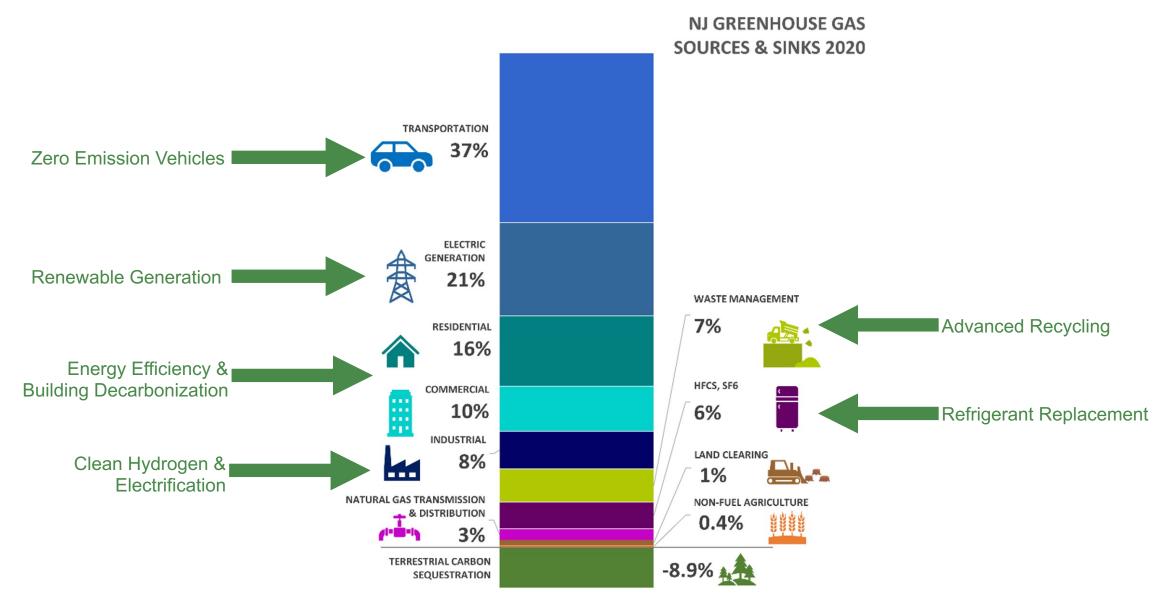
What are the State's Climate Goals?



100% Clean Energy sold in the State by 2035



Where do NJ's greenhouse gas emissions come from?

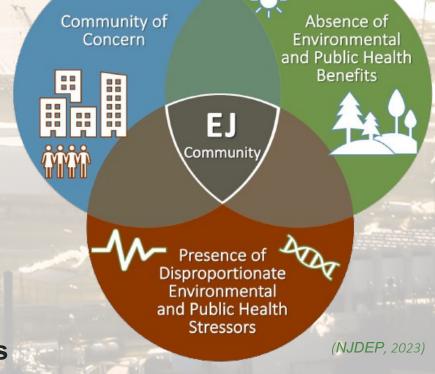


Focus on Supporting Overburdened Communities

Overburdened Communities (OBCs) by law are Census block groups with:

 At least 35 percent low-income households; or
 At least 40 percent of the residents identify as minority or as members of a State recognized tribal community; or
 At least 40 percent of households have limited English proficiency

(NJDEP, 2023; 5 Year American Community Survey - 2017 to 2021)



Prioritize OBCs into program design with eligibility criteria, application scoring rubrics, and special incentives/bonuses

Clean Energy Programs

NJ CLEAN ENERGY LOANS





GARDEN STATE

Commercial Property Assessed Clean Energy





NJ Cool Pilot Program





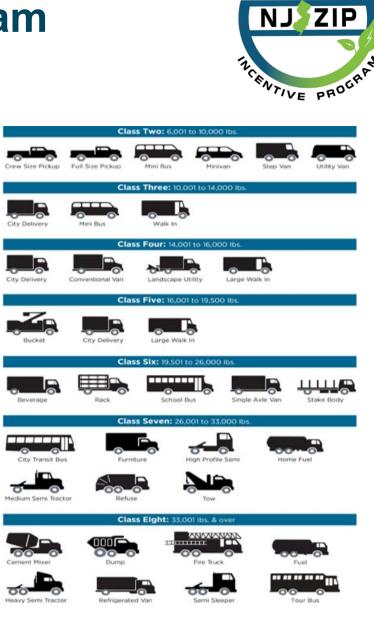
Project Grants UP TO \$1,000,000

- \$15M pilot program funded by RGGI
- NJEDA Grants: \$50K \$1M to reimburse eligible hard construction costs (labor + materials)
- Support projects that reduce building emissions through replacing fossil fuel heating systems, swapping out polluting refrigerants, installing on-site renewables, and energy efficiency work
- Existing commercial buildings in Newark, Edison, and Atlantic City
- Applications opening soon!
- <u>https://www.njeda.gov/njcool</u>

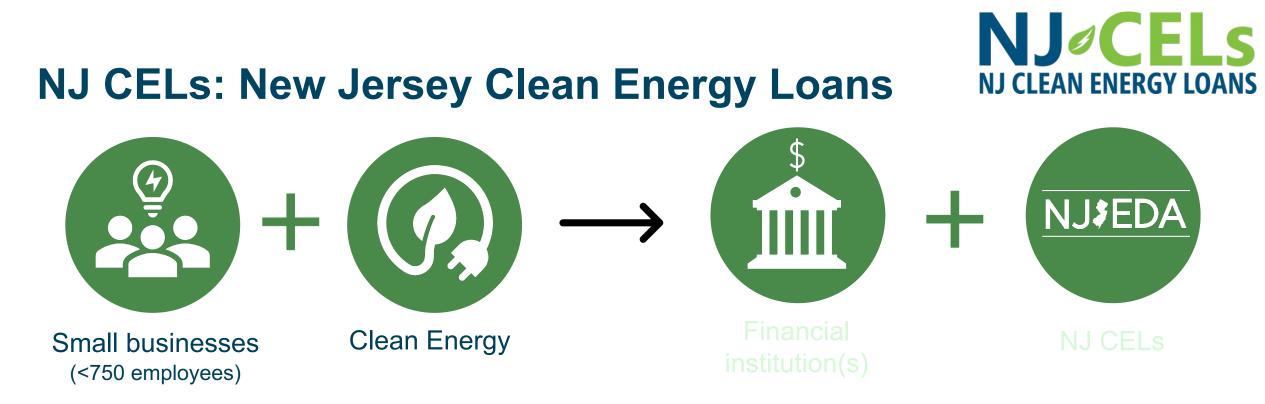
NJ ZIP: Zero Emission Incentive Program

- \$90M voucher program to support medium and heavy-duty zero emission vehicles
- Vouchers ranging from \$20,000 to \$175,000 per vehicle
- Bonus funds available for minority, woman, and veteran-owned businesses & vehicles in overburdened communities
- 90+ businesses supported to date
- Over 300 zero emission vehicles to be deployed on New Jersey roads
- <u>https://www.njeda.gov/njzip/</u>





ERO-EMISSIO



- \$80M revolving loan fund from federal State Small Business Credit Initiative (SSBCI)
- Low-cost financing for general clean energy related projects and businesses
- NJEDA loans: \$250,000 \$10M w/ matching loan from private lender required
- NJEDA loans: 3% below financial institution's interest rate
- Special terms for minority, woman, and veteran-owned businesses & projects in overburdened communities
- <u>https://www.njeda.gov/njcels/</u>

New Jersey Green Bank (Approved April 10, 2024)



J Green Ban A subsidiary of NJIEDA

Financing Opportunities:

- Loans (including senior, subordinate, mezzanine debt)
- Credit enhancements (e.g., first-loss guarantees)
- Convertible debt
- Equity investments

New Jersey Green Bank



Have a project in mind?

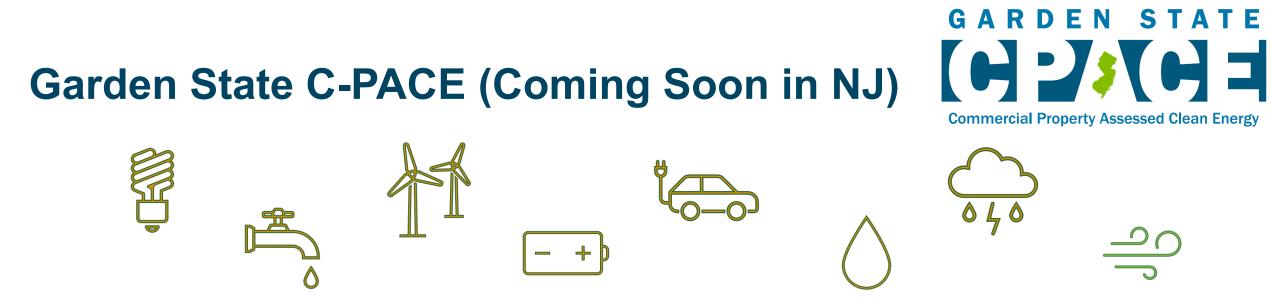
Currently accepting Requests for Expressions of Interest: seeking proposals with a high-level overview of potential projects.

- 1. Summarize organizational profile (e.g., background, history, and clean energy involvement)
- 2. Provide brief descriptions of the potential site, project, or asset
- 3. Specify general capital requirements & desired form of financial support
- 4. Discuss barriers to obtaining capital

Email NJGFrfei@njeda.gov

Subject line: "NJGF RFEI Response – [Organization Name]"

A formal application for the NJ Green Bank is currently under development.



- Municipalities must opt-in & no cost associated with participation
- Private, loan interest rate loans based on property improvements that help projects pencil out
- NJEDA to manage the program and review/approve applicants
- Loans are attached to the property rather than borrower (repaid alongside property taxes)
- Since 2010: \$7.2B across 3,340 projects yielding 88,785 jobs (30+ programs across USA)

gardenstatecpace@njeda.gov https://www.njeda.gov/c-pace/

Offshore Wind Sector Development Programming & Activities

- Serve as industry advocates to further offshore wind development in New Jersey
- Attract new offshore wind businesses and investments to New Jersey
 - Focus on Tier 1 manufacturers at the NJ Wind Port and related supply chain
 - Understand availability/feasibility of additional sites that could be utilized for supply chain and O&M opportunities
- Work with existing offshore wind suppliers to address challenges and opportunities
 - Host supplier days and topic-specific roundtables
 - Support company access to tax credits, incentives, and other state programs
 - Manage and grow the NJ Offshore Wind Supply Chain Registry
- Manage relationships with developers, particularly around their economic benefit plans

Offshore Wind Sector Development Programming & Activities

Foster regional coordination to grow a domestic supply chain and workforce

- Working closely with New York on a number of initiatives (more details in next slide)
- Collaboration with NREL and DOE working group

Educate New Jersey businesses and the broader public about economic opportunities

- Host monthly Oceantic trainings, free for anyone in NJ
- Quarterly newsletter highlighting NJ program developments and events
- Developing NJ State website that links to all agencies and relevant programs involved in the industry

Regional Partnership

- January 2022: Bureau of Ocean Energy Management, New York and New Jersey announced a collaboration and <u>shared vision on the</u> <u>development of an offshore wind supply chain</u>
- June 2023: New Jersey joins the Federal-State Offshore Wind Implementation Partnership
- Partnership with New York:
 - Free trainings (Oceantic) for NJ/NY businesses
 - NY NJ Offshore Wind Supplier Forum co-hosted with NYSERDA in January 2024
 - NJ/NY Training Website (in development)
 - Technical Assistance Program (in development)





Image from January 2024 Joint NJ/NY Supplier Forum

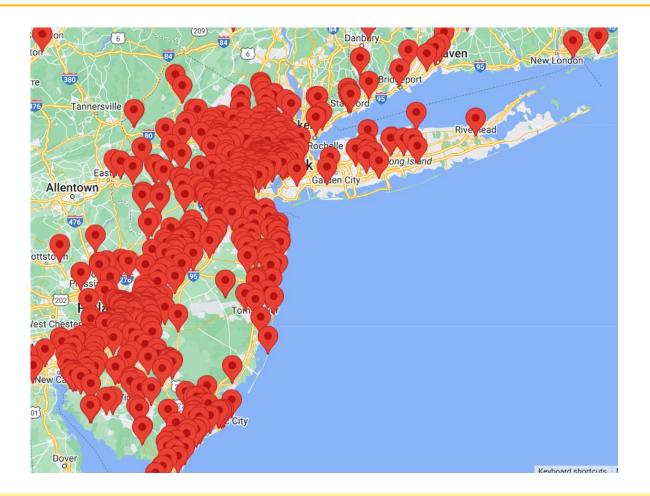


The Offshore Wind Supply Chain Registry is a free, searchable registry that allows companies to publicly indicate their interest and ability to supply components and services for offshore wind projects and receive special invitations to offshore wind events and resources

- More than 800 businesses have joined New Jersey's registry to date
- Serves as a resource for companies looking to buy from and partner with NJ-based firms
- Connects to the Oceantic (formerly Business Network for Offshore Wind) national supply chain registry

Register to find New Jersey companies at: https://www.njeda.com/offshorewind/





Register to find New Jersey companies at: https://www.njeda.com/offshorewind/

Wind Institute for Innovation & Training

- Galvanize cross-stakeholder efforts to foster offshore wind workforce training, education, research, and innovation
- Work directly with partners to develop and implement new training programs: safety, welding, painting, turbine technicians, mechatronics, and more with focus on NJ Overburdened Communities
- Wind Institute Fellowship Program and university initiatives to support innovative research, education curriculum, and thought leadership
- Development of Wind Innovation Center focused on applied research and new technology development

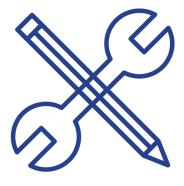


There are almost 200 different job occupations in offshore wind









Siting & Permitting

- Architectural and Engineering Managers
- General and Operations Managers
- Captains, Mates, and Pilots of Water Vessels
- Commercial Divers
- Environmental Science and Protection Technicians

Manufacturing

- Structural Metal Fabricators and Fitters
- Electricians
- Maintenance and Repair Workers
- Industrial Machinery Mechanics
- Welders

Construction & Installation

- Electricians
- Construction Laborers
- Excavating and
 Loading Machine and
 Dragline Operators
- Plant and System Operators
- Operating Engineers

Operations & Maintenance

- Electricians
- General and
 Operations Managers
- Construction Laborers
- Architectural and Engineering Managers



KidWind is developing offshore wind curriculum and teacher training for interested K-12 schools

- Curriculum includes K-12 and career and technical education offshore wind materials
- Educator training
 - REcharge Academy 2023 in Atlantic City, July 31 to August 3
 - Funding for 30 New Jersey teachers to attend Academy
 - Series of workshops throughout the academic 2023-24 school year
- Formed Advisory Panel to guide the development of activities and outreach strategies
- Created a cohort of NJ Offshore Wind Energy Leaders (OWELS) to pilot and provide feedback on curriculum as used in their classrooms



Participants in a KidWind Challenge in Egg Harbor, NJ



Offshore Wind Safety Training Grant Challenge

Global Wind Organization (GWO) Basic Safety & Sea Survival Training

- Atlantic Cape Community College has established a GWO Basic Safety training program and facility to prepare NJ workers
 - 4 modules: First Aid, Manual Handling, Fire Awareness, Working at Heights
 - Will establish 5th module: Sea Survival
- GWO is an internationally recognized industry certification
- Partnered with Arcon Training Center, AIS Training, and 3t Energy Group to develop program
- First indoor building complete



Wind Training Center in Atlantic City, NJ



Offshore Wind Component Manufacturing

Submerged Arc Welding and Painting Programs

- Partnership with EEW AOS, NJEDA/Wind Institute, Gloucester County Institute of Technology (GCIT), Salem County Vocational Technical School (SCVTS), Camden County Vocational Technical Schools (CCVTS), and Camden County College (CCC)
- Identified EEW's specific training needs for submerged arc welding and marine coating, including specific equipment, materials, specs, and end of course testing requirements
- Provided funding and coordination support for "train the trainer" sessions, curriculum development, equipment and material purchases, instructor fees, marketing materials, and scholarships
- ▶ GCIT program began September 2022. SCVTS and Camden programs expected to launch in 2024
- Courses for secondary and postsecondary students; afterschool program planned for Camden for secondary students at traditional public high schools



WIND INSTITUTE NJIT POWERCERTS certificate program

- In Q3 2023, NJEDA approved an MOU for \$399,000 with NJIT to develop Professional Offshore Wind Energy Certificates (POWERCERTS) which will enable NJIT to develop two graduate certificates in offshore wind:
 - ▶ 1) Wind Power System Operation & Maintenance
 - 2) Wind Power Economics and Management.
- Each certificate is 12 credits, consisting of three core classes and one elective class.
- It is anticipated that it will take students 1-2 years to complete a certificate, depending on if a student is enrolled full- or part-time. Classes will be offered online and hybrid remote/in-person.
- POWERCERTS will offer twenty-four (24) scholarships (each \$3,000) and 24 assistantships (each \$4,000) primarily for students from minority and underrepresented communities to encourage and support their participation in offshore wind workforce training.
- NJEDA has been meeting with NJIT as they develop this curriculum, and it is expected to launch in Fall 2024.

WIND INSTITUTE Workforce and Skills Development Grant Challenge

Support for Offshore Wind Workforce Training Programs

- NJEDA provided a competitive grant opportunity in 2023 to develop or expand workforce training programs that prepare New Jersyians for jobs in offshore wind, with a focus on NJ Overburdened Communities
- Total of \$3.725M in funding with permitted awards ranging from \$100,000 to \$1,000,000
 - Public and nonprofit entities were eligible to apply as primary applicant; applicant teams were required to include a Community-Based Organization serving a NJ overburdened community(ies)
 - Programs were required to include direct workforce training, and where relevant, support services such as access to career services, mentorship, family services, and transportation
 - Programs had to focus on one or more of 10 eligible occupations (based on workforce assessment)
- Five applicants approved totaling \$3.725M

WIND INSTITUTE Workforce and Skills Development Grant Challenge Awardees

Salem County Institute of WIND Partners (Where Innovation Now Develops)

- Grantee: Mid-Atlantic States Career and Education Center, a Community-Based Organization
- Partners: (1) Salem Community College, (2) Salem County Vocational Technical School & (3) Salem County Board of Social Services
- Program focuses on OSHA, forklift training, welding, mechatronics, highly skilled machine operators who can work with modules & components in complex systems
 - Associates Degree at Salem County Community College
 - Certifications: OSHA, Forklift, Siemens Mechatronics Systems Program Level I & II
 - Targets overburdened communities in Salem County
- Grant award: \$1,000,000







ONE STOP CAREER CEN

WINDERSTITUTE Workforce and Skills Development Grant Challenge Awardees

CARP (Carpenter Apprentice Ready Program) OSW Workforce Track

- Grantee: Eastern Atlantic States Carpenters Technical College
- Partner: Leaders in Training, a Community-Based Organization in Atlantic City
- Carpenter Apprenticeship Readiness Program (CARP) to include offshore wind modules such as marine training and working on vessels
 - Pre-apprentice program: pile driving, millwright, and carpentry fundamentals
 - Certifications: OSHA 10-hour, Process Safety Management, and Transportation Worker Identification Credentials.
 - Proposed to increase participation of minority and women by a minimum of 50% and 25%, respectively.
 - Targets overburdened communities in Atlantic City
- Grant award: \$987,124.80





Workforce and Skills Development Grant Challenge Awardees

Apex Offshore Wind Workforce Development Program

- Grantee: Apex Solutions Foundation
- Partner: SCORES Reentry, a Community-Based Organization that works with individuals impacted by the criminal justice system, poverty, or substance abuse.
- Train-to-hire program focused on construction trades and operations specialty managers
 - Certifications: Certified Associate in Project Management, Construction Professional in Built Environment Projects, OSHA-30, and Transportation Worker Identification Credential
 - Targets overburdened communities in South Amboy and Atlantic City
- Grant award: \$612,720



Workforce and Skills Development Grant Challenge Awardees

EJ Offshore Wind Workforce

- Grantee: New Jersey Environmental Justice Alliance, a Community-Based Organization
- Partner: Soulful Synergy, a private workforce development organization
- Entry-level skills and certifications for people beginning careers in construction, manufacturing, project management, and logistics
 - Training includes green construction, machinery and electrical skills, environmental justice, and offshore wind
 - Certifications: OSHA 30-hour, Fall Prevention, Drug and Alcohol Awareness
 - Targets overburdened communities in Newark
- Grant award: \$700,000



Workforce and Skills Development Grant Challenge Awardees

Equity + Environmental Justice: Pre-Apprenticeship UpSkill Training Program

- Grantee: Ivy Hill Neighborhood Association, a Community-Based Organization
- Partner: Technoforce, a private workforce development organization
- Pre-apprenticeship math and verbal upskill program, with an introduction to careers in the offshore wind industry
 - Enable participants to pass the math and verbal exams required for admission to many apprenticeships and skills training programs
 - Targets overburdened communities in Newark
- Grant award: \$425,155.20





Research and Innovation: Wind Institute Fellowship Program

Fellowship program designed to support graduate and undergraduate university student research and exposure to offshore wind

- Year 1: 2023-2024 Academic School Year
 - 26 fellows at Rutgers University, Rowan University, Montclair State University, and NJ Institute of Technology
- Students conducted offshore wind research in a variety of academic majors and attended monthly Wind Institute workshops on offshore wind
- Presented research at the Wind Institute Symposium
- Years 2 and 3: 2023-2025 Academic School Years
- Expanded to include Stockton University, Princeton University, Stevens Institute of Technology, and Seton Hall University
- 2nd cohort included 40 fellows
- Annual <u>Wind Institute Research Symposium</u> highlights offshore wind research priorities and activities



Inaugural Wind Institute Fellowship Cohort

Research and Innovation: University Initiatives

University Initiatives to Advance Offshore Wind support research, curriculum development and expanded learning opportunities at R1 and R2 public NJ universities

Year 1: 2023-2024 Academic School Year

- Rutgers University: Modular curriculum development and digital badging, offshore wind symposium and world café, community events and shared learnings
- <u>Rowan University</u>: Faculty offshore wind research grants in a variety of disciplines
- Montclair State University: Lifecycle assessment of offshore wind, levelized cost of energy analysis, and development of lifecycle assessment course
- New Jersey Institute of Technology: Offshore wind energy training bootcamp, offshore wind technology conference and exhibition, development of offshore wind testing equipment

Research and Innovation: Wind Innovation Center RFEI

NJEDA issued an RFEI to identify partners to develop a Wind Innovation Center

- The Wind Innovation Center will bring together leading researchers and start ups with industry leaders in lab and office space combined with unique testing facilities. This will be complemented with a virtual network, focusing digital resources on priority wind topics and a developing a data library for research products
- NJEDA developed an RFEI to realize this center (modeled on NJEDA's Strategic Innovation Centers Investments, e.g., HAX and the Hub)
- Sought responses that help achieve the goals of:
 - Propelling New Jersey forward as hub for OSW technology research and innovation;.
 - Supporting and fostering emerging OSW innovations and solutions;
 - Incentivizing clustering and anchoring of OSW research and innovation investments and activities;
 - Leveraging existing facilities and assets in New Jersey;
 - Capitalizing on New Jersey's existing expertise and reputation for research and innovation; and
 - Supporting opportunities for New Jersey-based businesses

WINDERNSTITUTE Wind Institute for Innovation and Training

Additional Wind Institute Resources

Offshore wind activity book for K-6 grade students

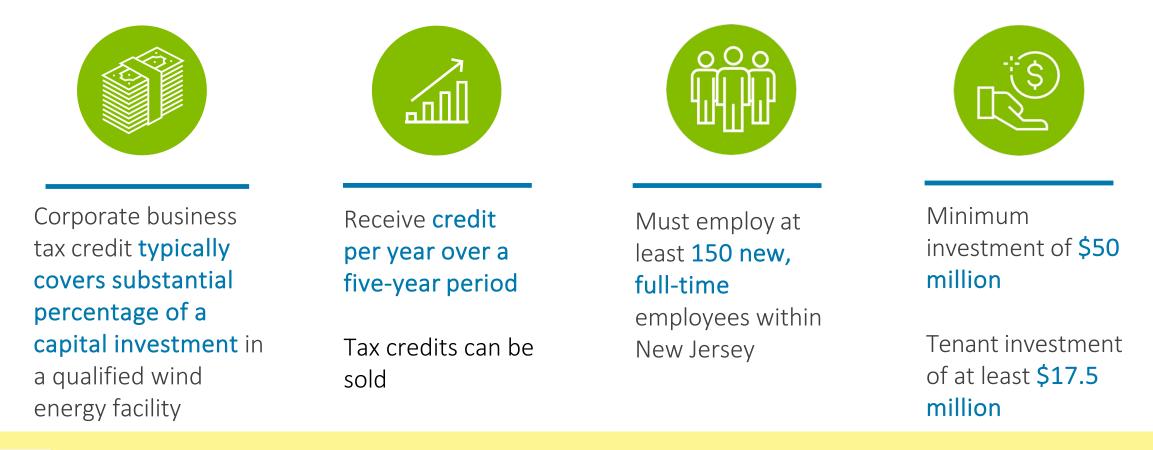
• Free educational activity book for students, educators, and interested parties

OSW Workforce Assessment through 2035

- Conducted study on NJ's previous goal of 7.5GW of offshore wind by 2035 to determine workforce gaps and opportunities
- Informs development of Wind Institute programming
- Available on the Wind Institute website: www.njeda.gov/wind_institute

Offshore Wind Tax Credit Program

Up to \$350M tax credit program that provides reimbursement for capital investments in offshore wind industry-specific facilities located in New Jersey





Learn more at: <u>https://www.njeda.com/offshorewindtaxcredit/</u> Contact us at: offshorewindtaxcredit@nieda.com

Please visit <u>www.njeda.gov/financing-and-</u> <u>incentives/</u> for a complete list of programs to assist your business

Solution Content Straining Straining Strain Strain

- May 21: Offshore Wind Ready, in-person, Newark
- June 27: Offshore Wind Ready Manufacturing, Virtual
- Sept. 12: Offshore Wind Ready, in-person, location TBD
- Oct. 10-11: Time for Turbines, Atlantic City, NJ
- Oct. 8-11: Foundation 2 Blade training, Virtual
- Nov. 14: Offshore Wind Ready Manufacturing, location TBD
- Oct. 28-30: ACP Offshore Wind Power Conference, Atlantic City, NJ
- Oct. 28-Nov. 2: NWEA/WindTech Conference 2024, New Brunswick, NJ

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NJ\$EDA

Clean Energy Partnerships & WI Team





Jen Becker Vice President

Cecile Coronato Sr. Project Officer



David Ramsay Manager, Sector Dev.



Cathy Yuhas Sr. Program Officer



Lloyd Lomelino Project Officer



Dan Fatton Director



Senior Advisor



Ahmed Chaudry Manager, Wind Institute



Analisa Groble Program Associate



Aina Yadav Project Officer

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General questions offshorewind@njeda.gov

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NJEDA Quarterly Offshore Wind Newsletter Sign-up Form 108

Thank you!





CEU SIGN OUT



QR CODE INSTRUCTIONS:

1.Open the Camera app on your phone.

2.Hold your phone so that the QR code appears in view.

- 3. Tap the notification to open the link.
- 4. You **MUST** Sign out to receive CEU credits.

WIFI INFORMATION: 2 Open Networks

1.sustainablenj: Ballroom, GS3, Nonprofit Exhibit area2.Bell_Works_Conf_Center: Bell Theatre & Conference

UPCOMING EVENTS AND OPPORTUNITIES

EARNING YOUR DIGITAL SCHOOLS STAR: TIPS FOR SUCCESS WEBINAR

This webinar offers an overview of the Digital Schools program, insights and examples of ways to improve digital school action submissions and earn points to attain Digital Schools Star recognition. The informational webinar will be held on **Wednesday, May 8, 2024, 3:30pm-4:30pm**.

Register: bit.ly/4dhdj91

2024 MUNICIPAL CERTIFICATION CYCLE

The next deadline to apply for certification is **Friday**, **May 10**, **2024**. The final application deadline is **Wednesday**, **July 31**, **2024**. View the full cycle timeline on the 2024 Certification Cycle page.

Learn More: bit.ly/SJ2024CertCycle

NJBPU'S COMMUNITY ENERGY PLANNING GRANTS

The New Jersey Board of Public Utilities is offering a new round of Community Energy Plan Grants for all New Jersey municipalities.

Application Deadline: Friday, May 24, 2024

Learn More: bit.ly/3WcmAt7

TRI-COUNTY SUSTAINABILITY GENERAL MEETINGS

This Sustainable Jersey Regional Hub will host virtual meetings on a variety of sustainability topics throughout the year. The next meeting is **Tuesday, May 28, 2024, 7:00pm-8:00pm.**

Learn More: bit.ly/Tri-CountySustainability

2024 SUSTAINABLE COMMUNITIES GRANT PROGRAM

Atlantic City Electric is contributing \$35,000 to support municipal environmental stewardship and resiliency projects within its service territory. Join us for an informational webinar on **Monday, May 13 from 1:00pm-2:00pm** to learn more about the program and how to use the online application portal.

Application Deadline: Thursday, June 27, 2024

Learn More: bit.ly/SustainableCommunitiesGrantProgram

2024 SCHOOL CERTIFICATION CYCLE

The final deadline to apply for certification and Digital Schools Star Recognition is **Thursday, June 13, 2024**. View the full cycle timeline on the 2024 Certification Cycle page.

Learn More: bit.ly/SJS2024CertCycle

□ HOW TO ADOPT OR UPDATE A COMPLETE AND GREEN STREETS POLICY WEBINAR

Save the date! Join a one-hour walkthrough on how to create your own model municipal Complete and Green Streets Policy, brought to you by the Voorhees Transportation Center at Rutgers University, Sustainable Jersey, the New Jersey Department of Transportation, and the North Jersey Transportation Planning Authority, on **Tuesday, September 17, 2024**, **12:00pm-1:00pm.** Registration information coming soon. Follow-up Open House Q&A for attendees to be held virtually on **Wednesday, October 30, 2024 from 3:00pm-5:00pm.**

