

SUSTAINABILITY
SUMMIT



Updates From State Agencies

May 5, 2023



Panel Speakers



**Commissioner
Christodoulou**
Board of Public Utilities



Sean Moriarty
Deputy Commissioner
Department of Environmental
Protection



**Assistant
Commissioner
Michael Russo**
Department of
Transportation



Jorden Schiff
Division of Teaching
and Learning Services
Department of
Education



Panel Moderator

Randall Solomon
Executive Director
Sustainable Jersey



New Jersey Energy Efficiency Initiatives

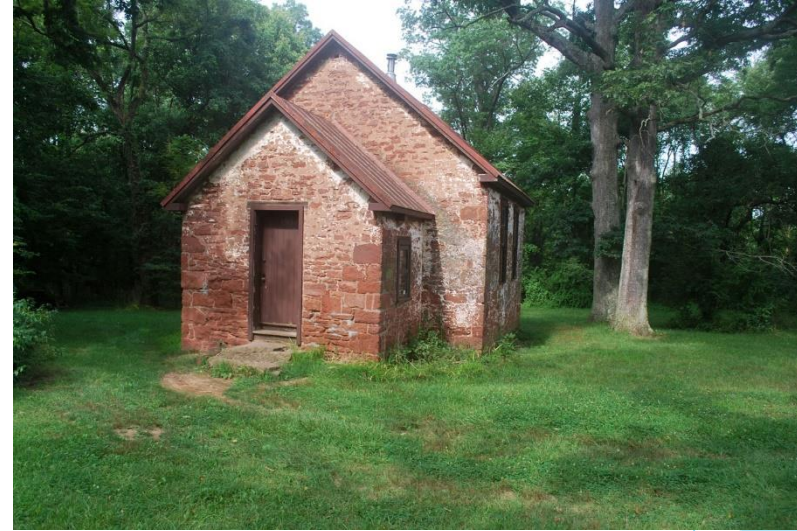
EE PROGRAMS

- ▶ School & Small Business Stimulus Program
- ▶ Community Energy Plan Grant
- ▶ ESIP & LGEA
- ▶ Electric Vehicles
- ▶ Comfort Partners
- ▶ FY24 Initiatives on the Horizon



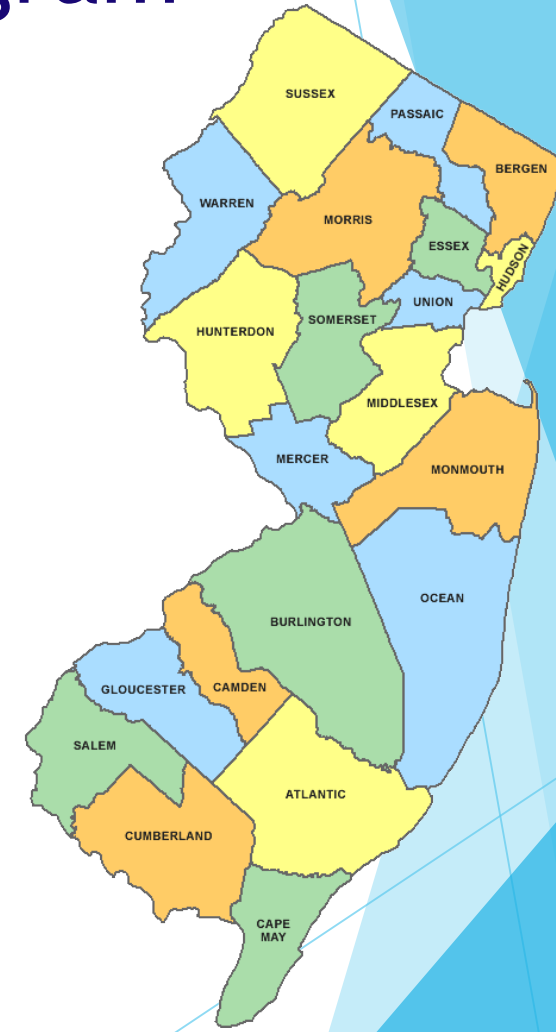
School & Small Business Stimulus Program

- ▶ Grants provided to schools and small businesses to help improve air quality and energy performance
- ▶ \$180,000,000 available for grants



Community Energy Plan Grant Program

- ▶ Grant established to help municipalities create localized energy plans that are aligned with the strategies stated in the State Energy Master Plan
- ▶ Grant amounts vary
- ▶ 46 municipalities granted award in program year 2
- ▶ Prospect Park recently became the first municipality to adopt their Community Energy Plan
- ▶ Another program year is currently being planned
- ▶ More information can be found at: NJCleanEnergy.com/CEP



Energy Savings Improvement Program (ESIP) Local Government Energy Audit (LGEA)

- ▶ Through ESIP, municipalities can save on energy efficient improvements
- ▶ Energy Savings Plan
- ▶ In order to participate, a facility must undergo an energy audit
- ▶ Local Government Energy Audit
- ▶ LGEA FY23 Progress *(as of March 2023)*

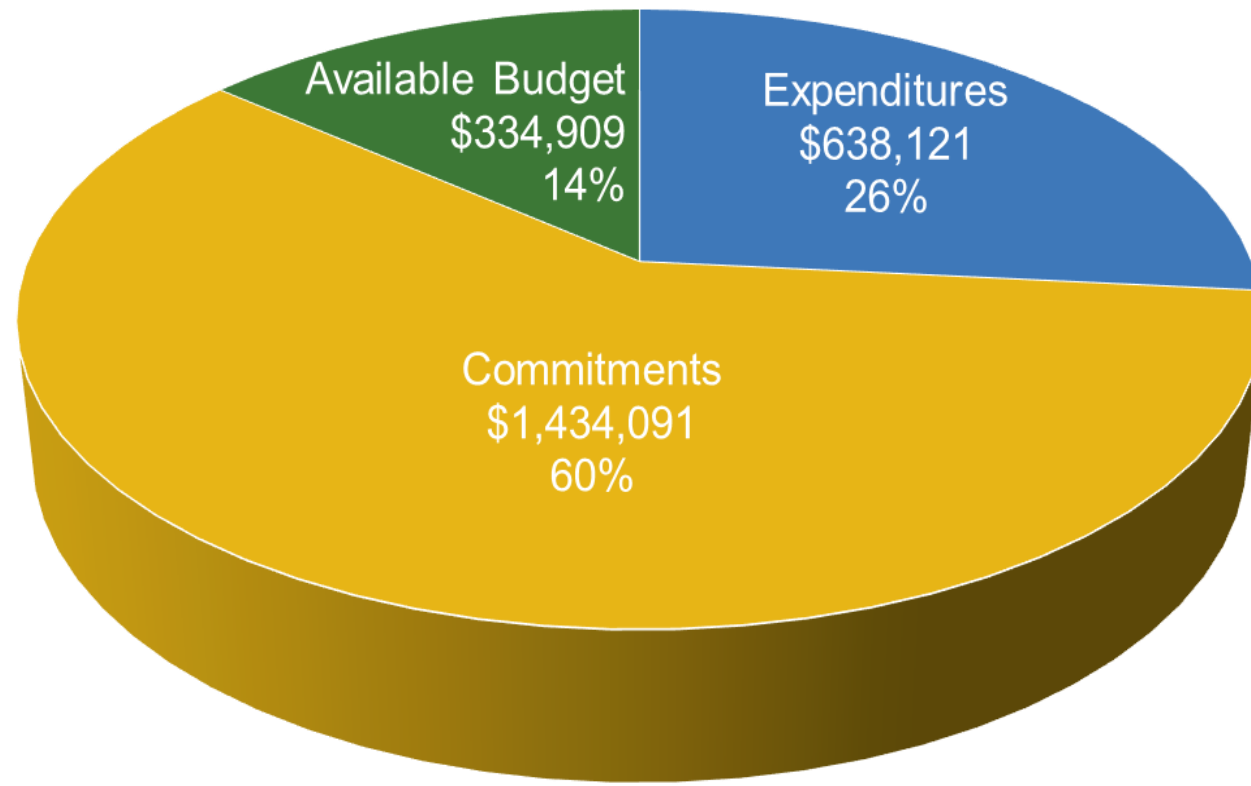
For more information visit:

NJCleanEnergy.com/ESIP

NJCleanEnergy.com/LGEA



Local Government Energy Audit (LGEA) FY23 Progress *(as of March 2023)*



Electric Vehicles Programs

- ▶ Clean Fleet EV Incentive Program
 - ▶ Local governments and school facilities can apply for up various grants to help make the switch to electric vehicle fleets.
- ▶ EV Tourism
- ▶ For more information visit:

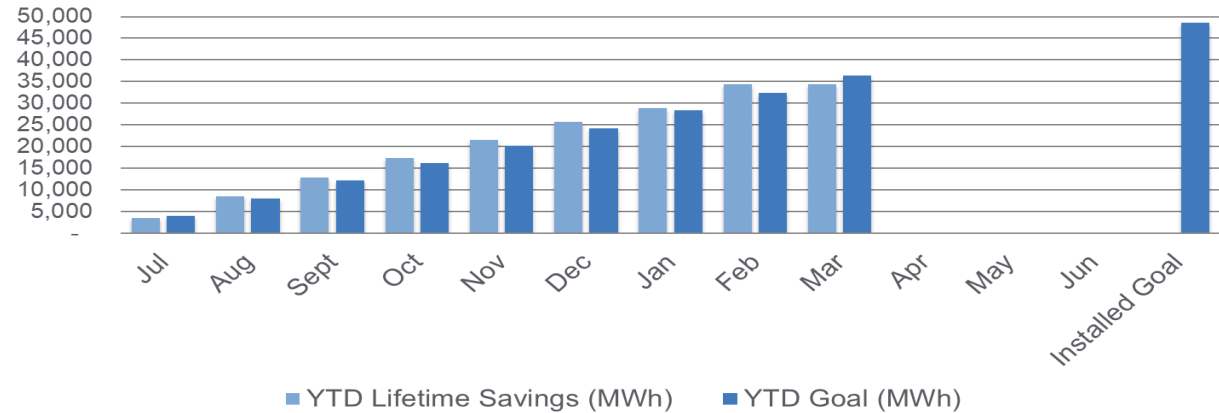
NJCleanEnergy.com/EV
ChargeUp.NJCleanEnergy.com



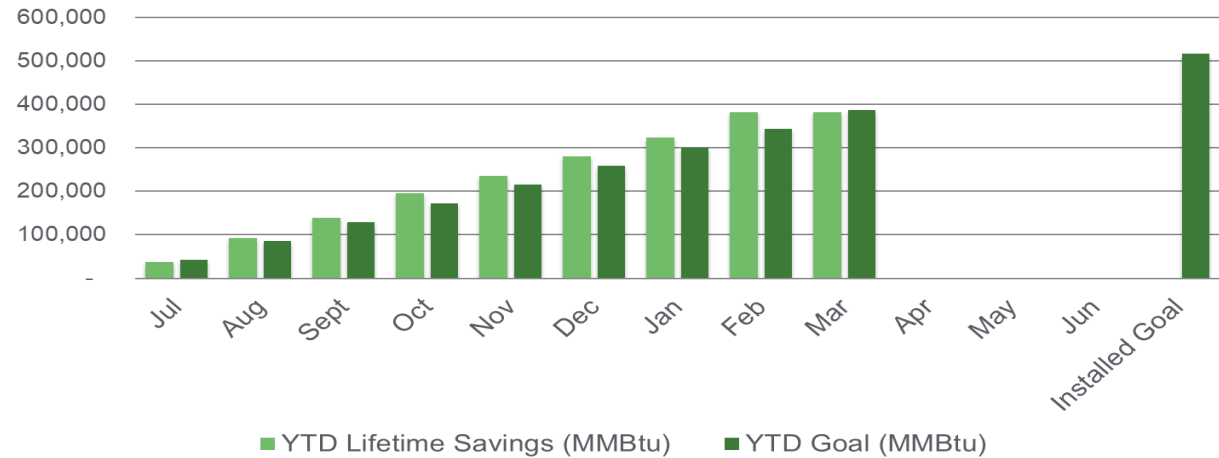
Comfort Partners

- ▶ Home weatherization program for income-eligible households
- ▶ Participants in the program receive free energy efficient upgrades in their home
- ▶ Comfort Partners recently completed work for their 125,000th customer
- ▶ FY23 Progress
- ▶ More information at NJCleanEnergy.com/CP

FY23 Comfort Partners YTD Installed Lifetime (MWh) Savings



FY23 Comfort Partners YTD Installed Lifetime (MMBtu) Savings



Other Initiatives Planned for FY24

- ▶ Workforce Development
- ▶ Urban Heat Island Pilot
- ▶ Benchmarking



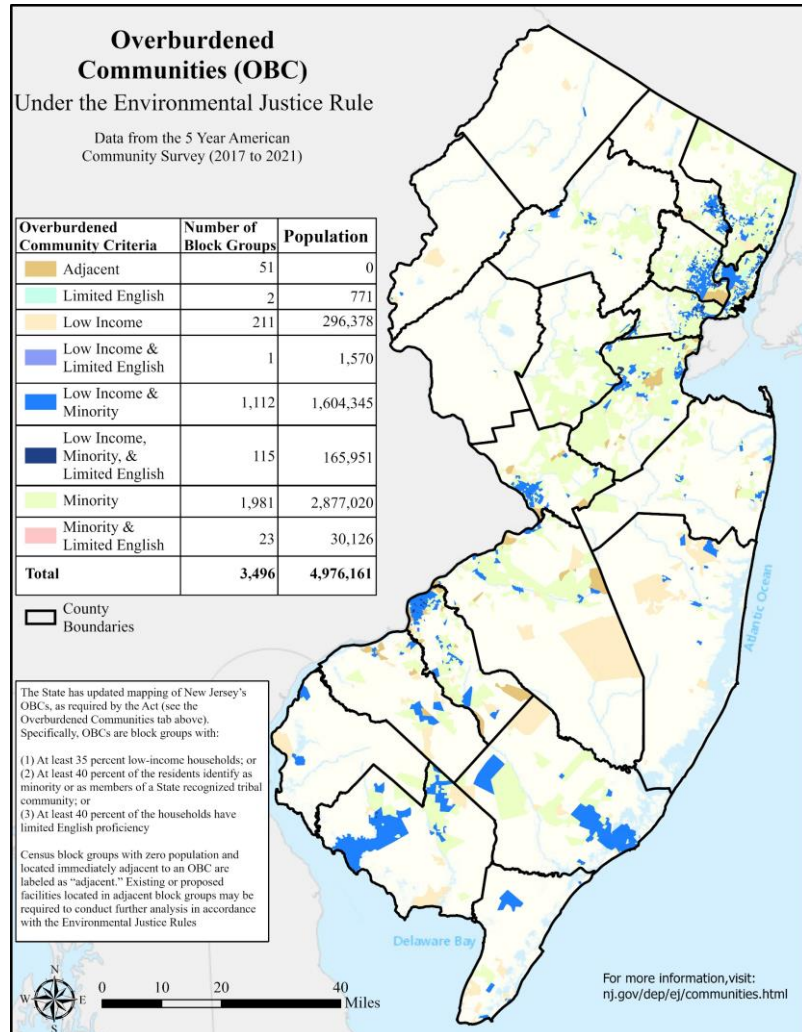


2023 Sustainable Jersey Summit NJDEP Updates

May 5, 2023



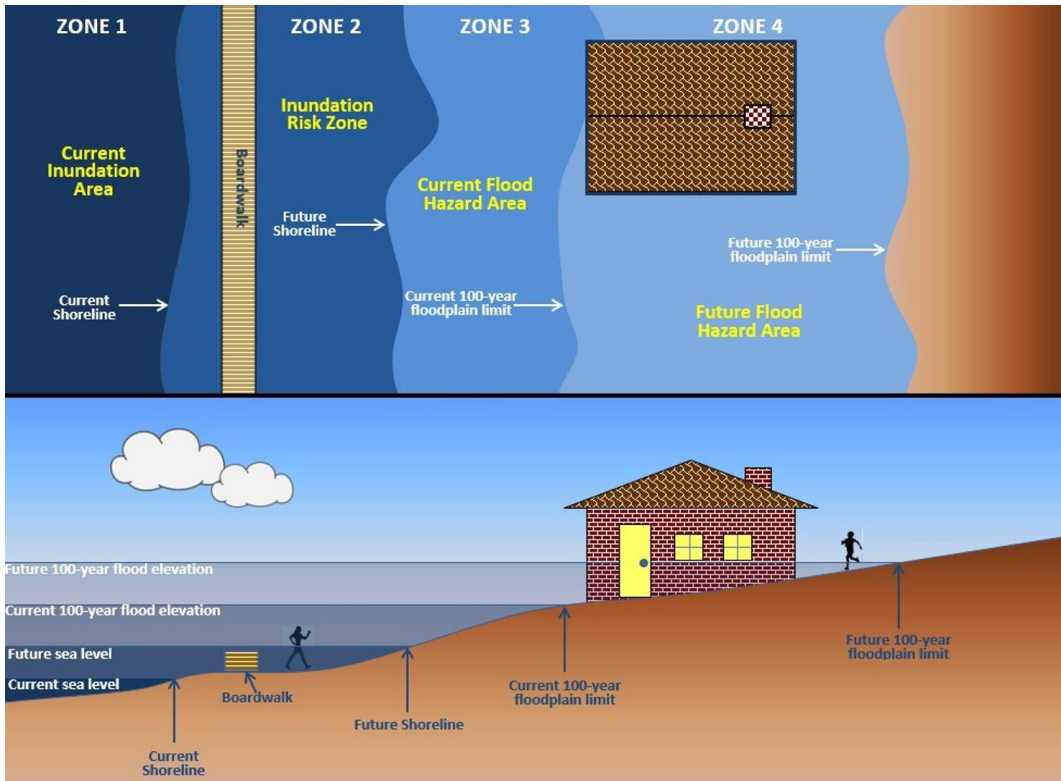
Environmental Justice Rule



- The Environmental Justice rule was adopted and went into effect on April 17, 2023.
- Environmental Justice Mapping, Assessment and Protection (EJMAP) tool: <https://bit.ly/EJMAP>
 - Shows relative stressor values
 - Updated biannually (January/July)
- Resources on the Office of Environmental Justice's website:
 - Excel spreadsheet listing Overburdened Community (OBC) block groups with town names
 - PDR maps
 - OBC technical note
 - OBC frequently asked questions
 - ...and much more
- Register for a briefing for local government representatives to discuss rule's applicability and the EJMAP tool at the event page.
 - Friday 5/12 @ 10 a.m.



Flood Rules



- Two fundamental updates to DEP Flood Hazard Area Rules and Coastal Zone Management Rules:
 - Standard Update
 - Fixes sea-level rise (SLR) data gap, requiring higher first-floor elevations (residential) or flood proofing (commercial) in a larger area that is slightly more inland than the existing 100-year zone
 - Process Update
 - Updated risk disclosure in all flood hazard areas
 - Adds climate impact assessment for residential and critical buildings in inundation risk zone
- These changes do not:
 - Restrict coastal development in any zone
 - Affect existing structures
 - Impede projects already in the pipeline (i.e., submitted to DEP by Q1 2024)

Sea Level Rise =
More land inundated (i.e., permanently under water)

More Inundation =
Higher flood elevations

Higher Elevations =
More recurring flood damage

Electric Vehicles



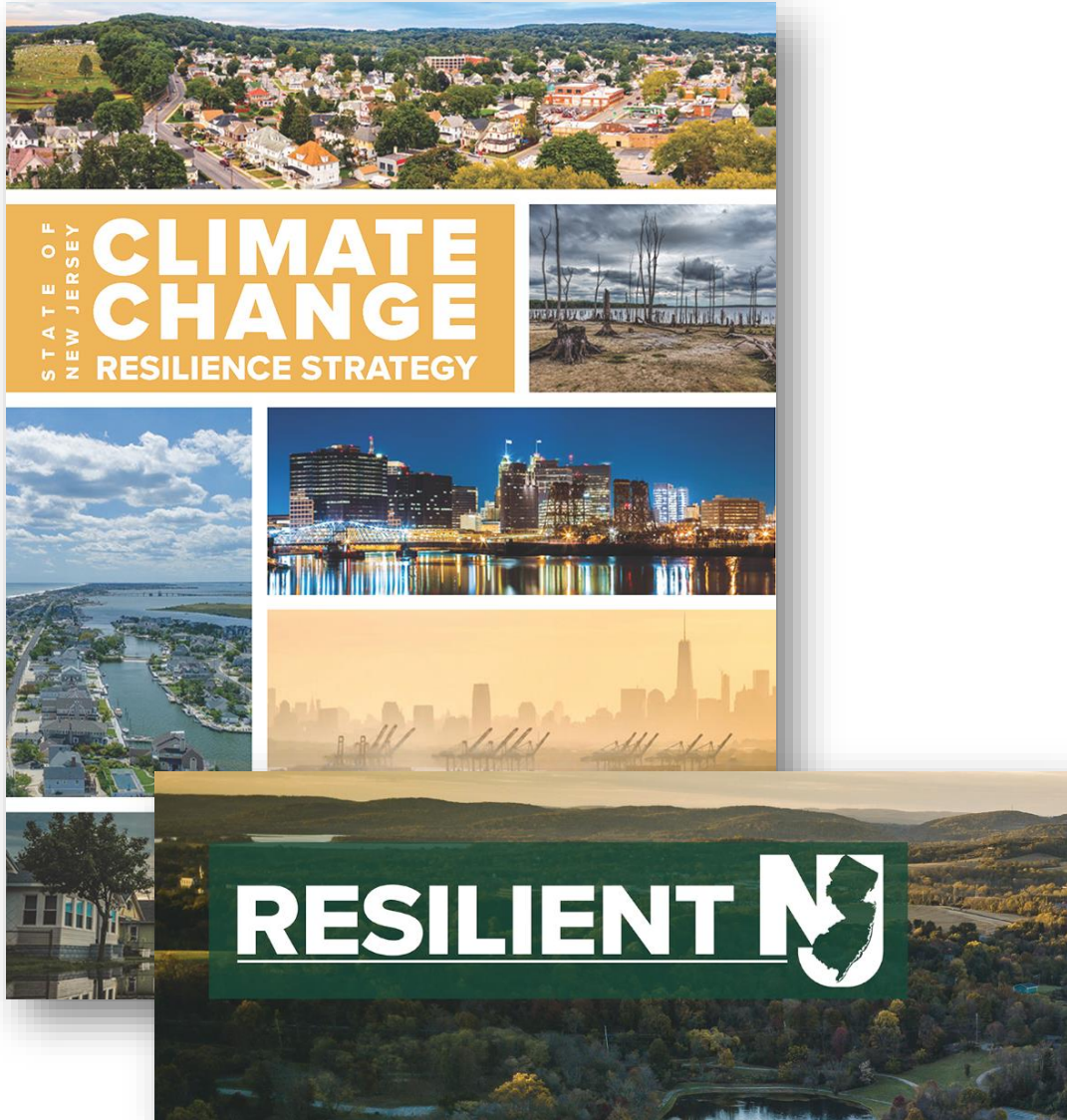
- DEP awarded [\\$70 million](#) in RGGI proceeds for 156 electric vehicles in overburdened communities, including 114 school buses, 8 garbage and dump trucks, 26 shuttle and transit buses, and 4 forklifts.
 - The auction proceeds will also fund 4 projects, led by Via, Blink, Envoy and Zipcar, to bring electric ride-sharing options to communities that lack access to reliable transportation.
- Madison is the fourth [Destination Electric](#) town in NJ.
 - The program highlights local businesses, venues, and attractions with convenient public charging stations nearby.
- EV Ride & Drive season is upon us. Visit us at an upcoming [event](#).
- Under the Clean School Bus Program, the EPA is awarding ~\$400 million in competitive grant funding for municipalities.
 - The deadline to apply is August 23, 2023; awardees notified November 2023 – January 2024.

Municipal Separate Storm Sewers System (MS4)



- MS4 Permit was recently updated by NJDEP, effective on January 1st, 2023
- This new permit will bring about several changes in the standards for municipalities, including:
 - Creation of Watershed Improvement Plans
 - TMDLs (Total Maximum Daily Loads – pollution budgets created to reduce the amount of pollution entering a waterway)
 - Evaluation of overburdened community impact and prioritization of projects in these communities
 - Passage of ordinances to address issues like, salt storage and tree protection
 - Creation of a municipal stormwater webpage
- NJDEP has a [biweekly bulletin](#)
 - This highlights environmental justice initiatives, including State and Federal funding opportunities and opportunities to comment and engage on environmental policies and decisions.

Resilience & MLUL



Resilience Action Plans

- Led by the Interagency Council on Climate Resilience
- Statewide plans detailing actions each Council agency will take to incorporate climate resilience into their policies, programs, and decision-making
- Each Resilience Action Plan focuses on a different climate threat
- The first of these plans, the **Extreme Heat Resilience Action Plan**, is expected to be released in Fall 2023

Extreme Heat

- High temperatures are associated with immediate and long-term health concerns, diminished air quality, and increased pressures on our food and water supply
- DEP has created a statewide heat exposure map using composite satellite data to identify areas experiencing above-average surface temperatures

Municipal Land Use Law

- Municipalities are now required to incorporate a climate change-related hazard vulnerability assessment into any Master Plan Land Use Element adopted after the 2021 amendment
- DEP offers technical assistance and resources to municipalities looking to satisfy this requirement or conduct resilience planning:
 - [Resilient NJ Municipal Assistance Program](#)
 - [Resilient NJ Local Planning for Climate Change Toolkit](#)

EPA Climate Pollution Reduction (CPR) Grants

A graphic with a blue sky and white clouds background. The text is white and green. The EPA logo is in the bottom right corner.

Climate Pollution Reduction Grants

\$5 billion

from the Inflation Reduction Act to fund innovative projects that tackle climate pollution

 EPA

Grant Overview

- To develop/expand state, local, & tribal climate action plans
- Exeditiously implement “investment-ready” greenhouse gas (GHG) reduction policies & programs

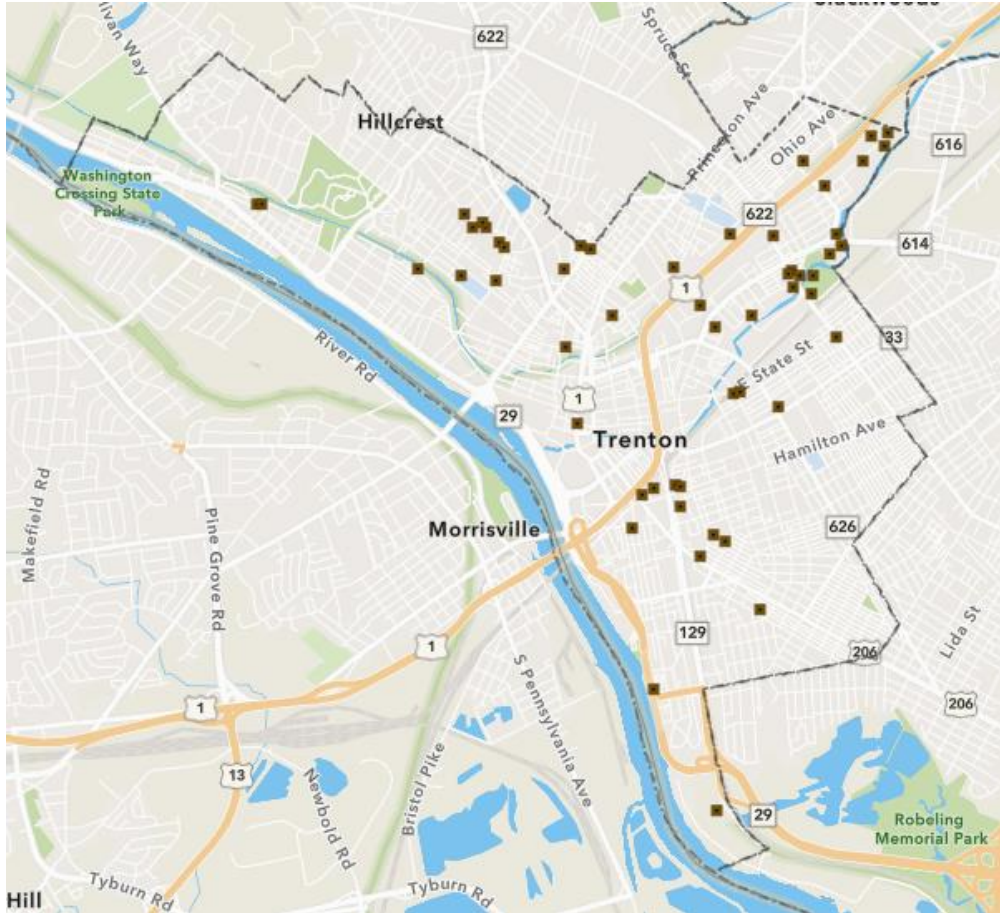
Phase I: Noncompetitive Planning Grants

- \$3 million planning grants to states (NJ) that opt in:
 - New Jersey will undertake extensive municipal engagement to develop priority short- and long-term GHG reduction measures
 - Local government and public stakeholder meetings with an environmental justice lens
 - Using interviews, webinars, and hybrid engagement tools during Summer 2023 & Fall 2024
 - State’s Priority Plan (PCAP) includes projects and policies for local governments to implement
 - PCAP will be utilized to access \$4.6 billion in implementation grants
 - PCAP will include analysis of low-income and disadvantaged communities’ associated benefits

Phase II: Competitive Implementation Grants

- Notice of Funding Opportunity to be released late 2023 with applications due early 2024

Brownfield Inventory GIS Layer



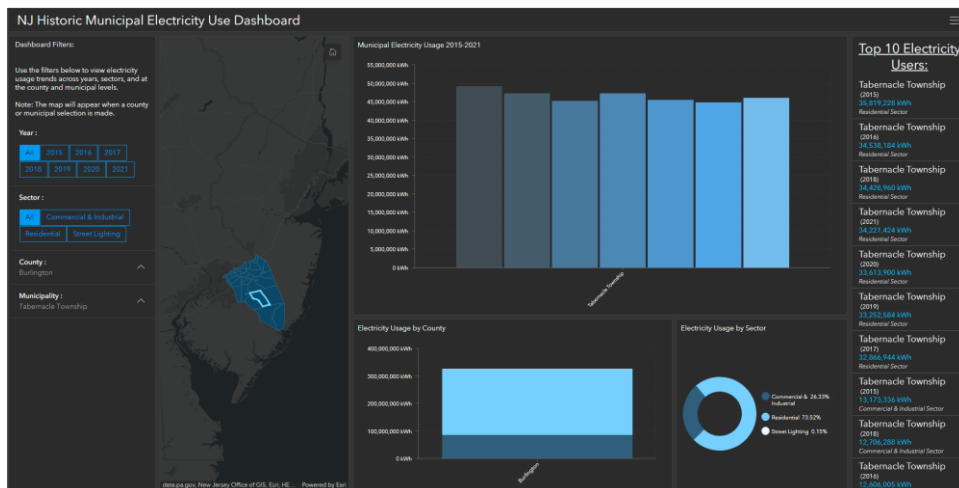
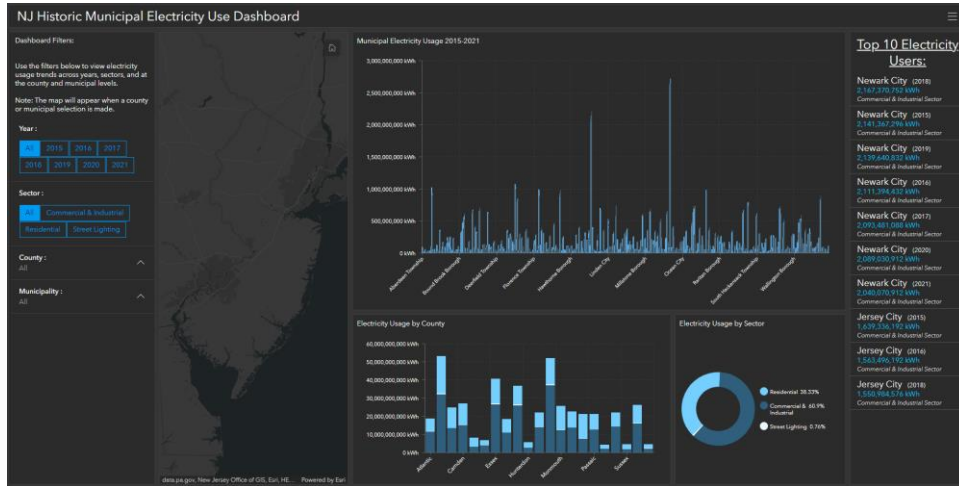
- The Brownfield Inventory GIS layer is a GIS representation of brownfield sites in Community Collaborative Initiative (CCI) municipalities which will continue to be expanded over time until the layer includes a statewide representation of brownfield sites.
 - The 12 municipalities that are part of CCI are: Bayonne, Bridgeton, Camden, Jersey City, Millville, Newark, Paterson, Paulsboro, Perth Amboy, Salem, Trenton, and Vineland.
- The Brownfield Inventory GIS layer is available for viewing on [NJ GeoWeb](#) and the [DCA Community Asset Map](#)
- Next update to GIS layer is expected by end of May for these cities:
 - Atlantic City
 - Elizabeth
 - Kearny
 - New Brunswick
 - Orange City
 - Passaic
 - East Orange
 - South Orange
 - West Orange

Municipal Energy Dashboards

- Sustainable Jersey obtained and aggregated electricity and natural gas usage data from the seven investor-owned utilities in the State from the years 2015 – 2021
 - This data spans the residential, commercial and industrial, and street lighting sectors.

- NJDEP developed a series of [interactive dashboards](#) that enable users to digest this data and identify trends in energy usage over time across the various sectors.

- Users can use the dashboard filters to:
 - Analyze usage in a specific sector or in a specific year,
 - Filter these datasets by county in order to compare usage in the municipalities within a county, and
 - Select a specific municipality to view the changes in energy usage between 2015 and 2021.




 Collection
New Jersey Municipal Energy Use

The dashboards within this collection display annual electricity and natural gas usage in each of NJ's Municipalities from 2015-2021 for the residential, commercial & industrial, and street lighting sectors.

Grants & Loans Webpage



- DEP's [funding opportunities webpage](#) contains resources and opportunities that can be used to address community concerns at the intersection of environmental, social, economic improvement and public health.
 - Webpage includes DEP-administered active funding opportunities as well as all available DEP grants, loans, and financial programs.
 - Navigate to other State agencies' funding opportunities through the "Other State Agency Grant Opportunities" tab
- Features of this webpage include:
 - Keyword search
 - Categories such as "deadline approaching" and "rolling deadline"
 - Full list of grants and loans currently available
 - Improved accessibility for funding opportunities
- Browse through the "Fact Sheets" section to learn how other communities leveraged funding from DEP and other agencies to help solve problems and take advantage of opportunities.
 - Categories include coastal protection, EV fleets, site remediation, stormwater, municipal recycling, and much more.

Trees for Schools Grant Program



- \$2.5 million in grants available to public K-12 schools, colleges, and universities for tree planting on public property
 - Grant awards from \$10,000 - \$500,000
 - Funding is from the Regional Greenhouse Gas Initiative (RGGI) auction proceeds
 - The College of New Jersey will administer the program through Sustainable Jersey
- 40% (\$1 million) set aside for K-12 schools in overburdened communities
 - 75 most impacted overburdened communities will receive priority scoring
- Applications due by July 14, 2023 (for Spring 2024 plantings) through the [online portal](#)
- DEP developed an [online mapping tool](#) to assist with the identification of school locations that meet the criteria for grant funds, as well as those that are located within overburdened communities.

Like and follow us!

    @newjerseydep  @nj.dep



Thank you!

Deputy Commissioner Sean Moriarty
sean.moriarty@dep.nj.gov

Sustainable Jersey Summit

NJDOT Initiatives

May 5, 2023



Michael Russo

Assistant Commissioner

Planning, Multimodal, & Grants Administration



Complete Streets in New Jersey

State Policy **1**

County Policies **8**

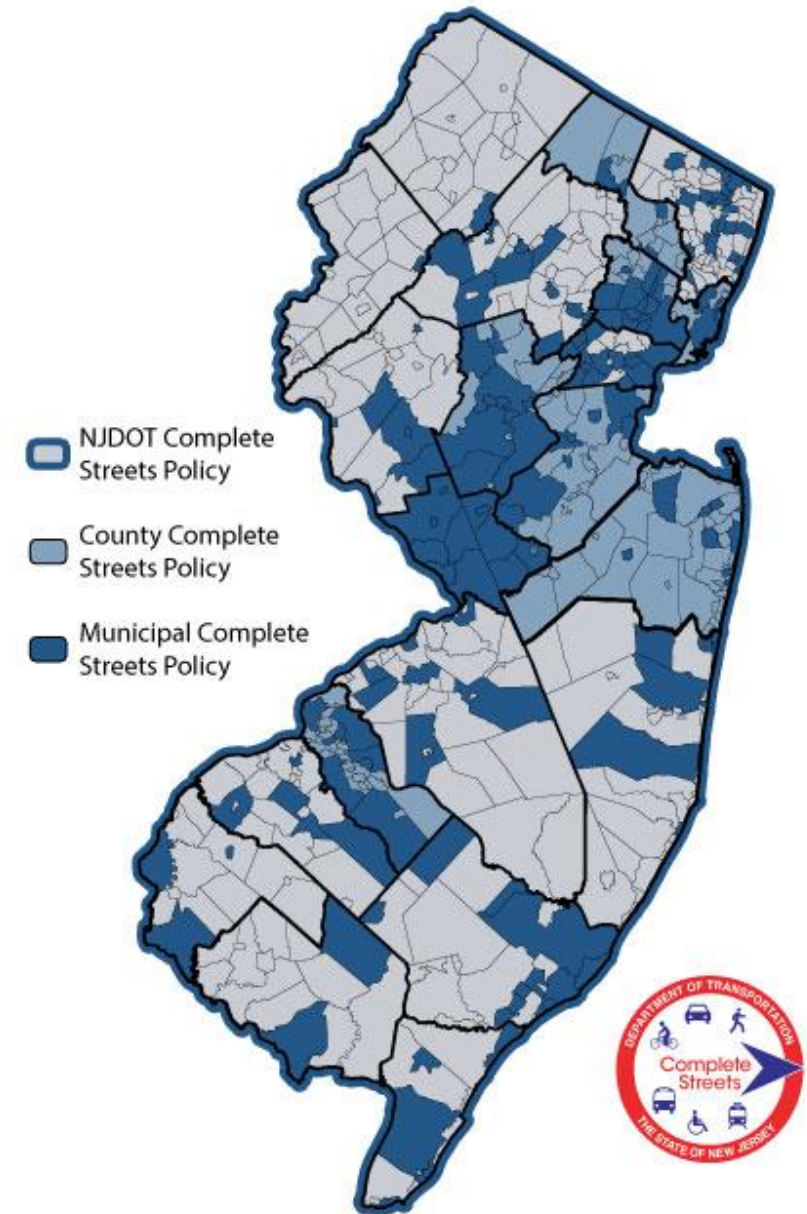
Municipal Policies **174**
(8 of which are ordinances)

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



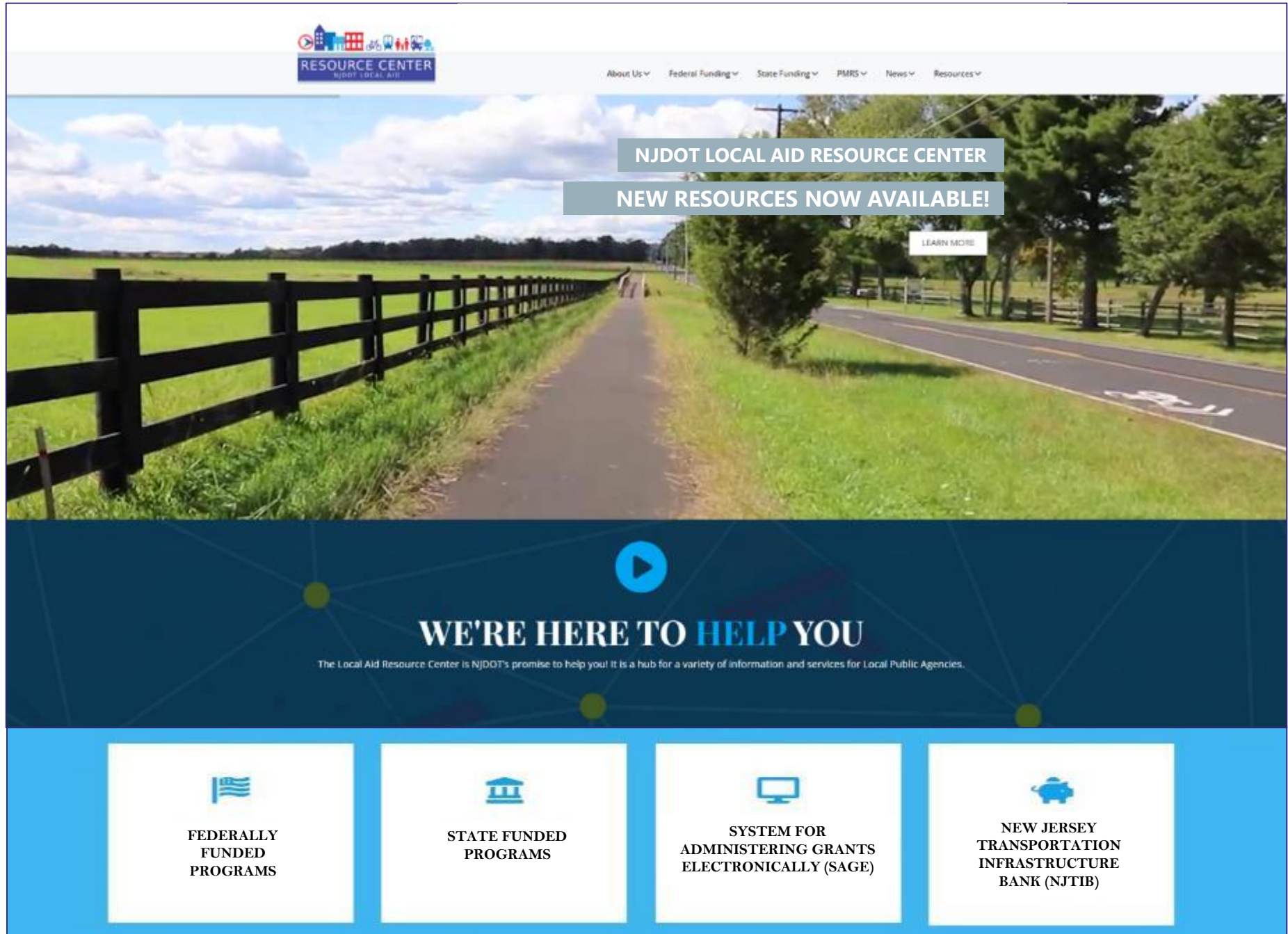
Toward Zero Deaths NJ

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

saferoadsforallnj.com

Local Aid Programs and Resources

njdotlocalaidrc.com



RESOURCE CENTER
NJDOT LOCAL AID

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

NJDOT LOCAL AID RESOURCE CENTER
NEW RESOURCES NOW AVAILABLE!

[LEARN MORE](#)

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)**

NEW JERSEY Safe Routes



saferoutesnj.org



NJDOT
SAFETY
RESOURCE
CENTER

(Website coming soon)



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

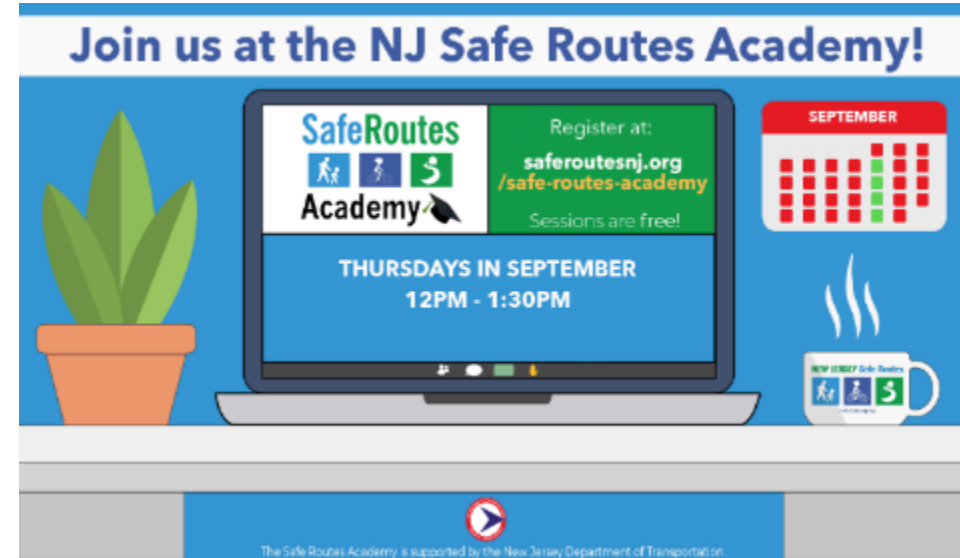


njdotlocalaidrc.com

Save The Date!



Wednesday, November 1, 2023



Thursdays in September 2023



and more!

Sustainability Initiatives



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:

Michael Russo

Assistant Commissioner

Planning, Multimodal, & Grants Administration

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Phone: 609-963-2255



New Jersey Department of Education



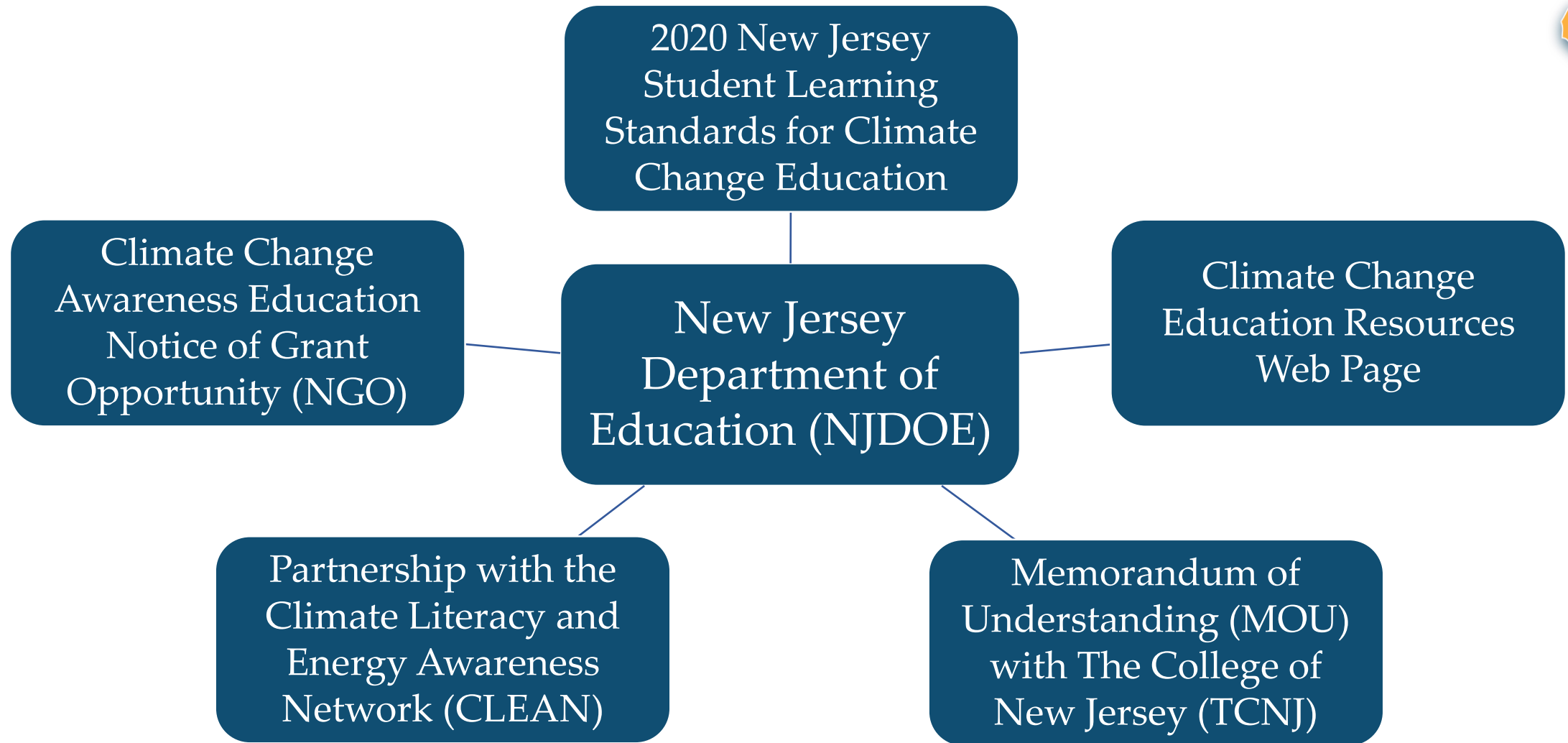
Climate Awareness Education

Division of Teaching and Learning Services

May 5, 2023



Climate Awareness Education



NJSLS for Climate Change Education





- New Jersey is the first state in the nation to fully integrate climate change education across K-12 learning standards.
- The standards empower New Jersey's schools to prepare next generation of leaders in sustainability and innovative solutions.





NJDOE Climate Change Resources Web Page





Climate Change Education: New Jersey Student Learning Standards

Selected NJSLS organized by grade band and content area as well as sample interdisciplinary connections by grade bands


Responding to Climate Change: What's Happening in NJ Schools

News articles that show how NJ students and teachers engage in climate change education


First Lady Tammy Murphy & Climate Change Education

First Lady Tammy Murphy makes climate change education a priority in New Jersey


Understanding Climate Change

Resources that describe the effects of climate change and what is being done in New Jersey communities

Instructional Resources

Sample activities, lesson plans and units for K-12 educators

Evaluating Climate Change Instruction

Guidance documents to assist the creation, evaluation and selection of climate change instructional resources and practices

Real World Activities and Challenges

Opportunities for teacher and student involvement in real world environmental advocacy and citizen science

Community Engagement and Partnerships

Advocacy groups, higher education, organizations and NJ state agencies devoted to climate education

Podcasts, Videos and Webinars

Podcasts, videos and webinars that focus on different aspects of climate change education

NJ Climate Change Education Resources Web Page:
<https://www.nj.gov/education/standards/climate/>

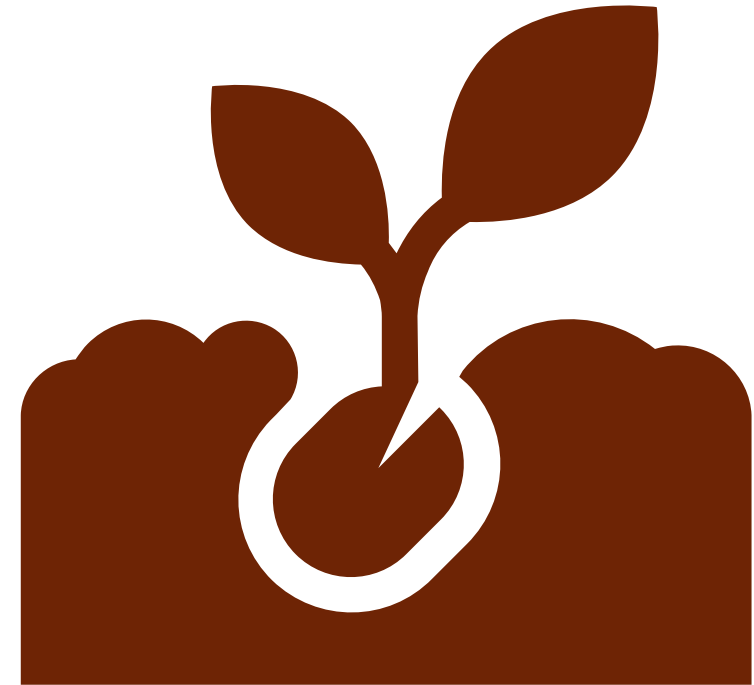
- NJDOE has a web page supporting the implementation of the 2020 NJSLS for Climate Change Education.
- It includes vetted resources providing effective strategies and high-quality instructional resources for climate awareness education.



MOU with TCNJ



- The NJDOE has an ongoing partnership with TCNJ and Sustainable Jersey.
- The partnership allows for the development of resources and training for educators to support implementation of 2020 NJSLS for Climate Change Education.



Partnership with CLEAN



- NJDOE has signed on as a partner state for a grant proposal with the Climate Literacy and Energy Awareness Network (CLEAN), alongside Maine, Washington, and California.
- The intent is to co-design innovative framework for teaching climate awareness in non-science content areas.





Climate Change Awareness NGO



- The NJDOE released the “Climate Awareness Education: Implementing the NJSLS for Climate Change” NGO.
- This grant is intended to:
 - Provide targeted funds for locally-focused climate awareness initiatives.
 - Encourage and support innovation and risk-taking.
 - Connect local, regional, and global implications to the lives of students.



Thank You!



New Jersey Department of Education: nj.gov/education

Office of Innovation Email: innovation@doe.nj.gov

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Got Questions?



Upcoming Events and Opportunities

FREE ENERGY TECHNICAL ASSISTANCE FOR SCHOOLS AND MUNICIPALITIES IN ELIZABETHTOWN GAS, NEW JERSEY NATURAL GAS, AND SOUTH JERSEY GAS SERVICE TERRITORIES

Free technical assistance to identify and apply for utility incentives and New Jersey's Clean Energy Program (NJCEP) incentives for energy efficiency audits and facility upgrades. This technical assistance is funded by Elizabethtown Gas, New Jersey Natural Gas, and South Jersey Gas.

For more information please visit: bit.ly/EnergyTAforMunisandSchools

2023 MUNICIPAL CERTIFICATION CYCLE

The next deadline to apply for certification is **May 12, 2023**. The final application deadline is **July 27, 2023**. View the full cycle timeline on the 2023 Certification Cycle page.

For more information please visit: bit.ly/MuniCertCycle

2023 SUSTAINABLE COMMUNITIES GRANT PROGRAM

Atlantic City Electric and Sustainable Jersey are pleased to offer **\$50,000** to support municipal environmental stewardship and resiliency projects in Atlantic City Electric's service territory. Municipalities are encouraged to work with local organizations on applications, which are due **June 29, 2023**. An informational webinar will be held on **May 15, 2023 from 1:00pm - 2:00pm**.

For more information please visit:
<http://www.bit.ly/SustainableCommunitiesGrantProgram>

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 **May 31, 2023 from 7:00pm - 8:00pm**.

For more information please visit: <http://www.bit.ly/Tri-CountySustainability>

2023 SCHOOL CERTIFICATION CYCLE

The final deadline to apply for certification and Digital Schools Star Recognition is **June 15, 2023**. View the full cycle timeline on the 2023 Certification Cycle page.

For more information please visit: <http://www.bit.ly/SchoolsCertCycle>

TREES FOR SCHOOLS PROGRAM, TREE-PLANTING GRANTS FOR NJ PUBLIC SCHOOLS, COLLEGES AND UNIVERSITIES

The Trees for Schools program will provide **\$2.5 million** in grants to New Jersey public school districts, county colleges and state colleges and universities to fund the planting of trees on campuses across New Jersey. Competitive grants of **\$10,000 to \$500,000** will fund costs associated with planning, site preparation, trees, planting, watering, monitoring and related expenses over a three-year period. Applications are due on **July 13, 2023**, for spring 2024 plantings. An informational webinar will be held on **May 18, 2023 from 3:00pm - 4:30pm**. The Trees for Schools program is a collaboration of the New Jersey Department of Environmental Protection, The College of New Jersey and Sustainable Jersey.

For more information please visit: bit.ly/TreesforSchools

Sustainable Jersey Underwriters and Sponsors

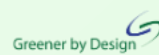
PROGRAM UNDERWRITERS



GRANTS PROGRAM



CORPORATE SPONSORS



*Digital Schools Sponsor

SUSTAINABILITY SUMMIT



Thank You

Session slides will be available on sustainablejersey.com by 5/12.

SUSTAINABILITY SUMMIT

