

2021 Sustainable Jersey Grants Program



Funded By:


GARDINIER
ENVIRONMENTAL FUND

Housekeeping Requests

- All attendees are muted
- Ask questions in the question box
- Recording will be posted on the Gardinier Energy Cycle page under the Grants tab on both websites



Presenters



Kaitlyn Vollmer
*Grants Program
Coordinator*



Zenon Tech-Czarny
*Research and Project
Specialist*



Background



The Gardinier Environmental Fund is contributing \$150,000 to support a Sustainable Jersey Grants Program cycle for municipal governments and public school districts focused on supporting energy projects and programs.





Eligibility Requirements



School District Applicants

- New Jersey public school district registered with Sustainable Jersey for Schools
- Appointed a **Green Team** that meets the Green Team action standard
 - Can be formed at the school or district level



Check the [participating districts and schools map](#) to determine your program status



Eligibility Requirements



Municipal Applicants

- New Jersey municipality registered with Sustainable Jersey
- Appointed a **Green Team** that meets the Green Team action standard



Check the [participating communities map](#) to determine your program status



Previous Grant Recipients



Grant Cycle of Previous Award	Amount	Grant Status	Eligible to Apply for \$10k Grant	Eligible to Apply for \$2k Grant
2021 PSEG or NJEA	\$10,000 or more	Open	No	Yes
		Closed +	No	Yes
	\$2,000	Open	Yes	No
		Closed +	Yes	No
2020 PSEG, NJEA*, or Gardinier	\$10,000 or more	Open	No	Yes
		Closed +	Yes	Yes
	\$2,000	Open	Yes	No
		Closed +	Yes	Yes
2015-2019 PSEG, NJEA, or Gardinier	\$10,000 or more	Open	No	No
		Closed +	Yes	Yes
	\$2,000	Open	No	No
		Closed +	Yes	Yes

**Grants awarded in the NJEA/Gardinier cycles are distributed in the year after the program year (ex. 2020 grants were awarded in 2021)*

+ A grant is closed when the final report is submitted and approved by Sustainable Jersey



Available Funding



This 2021 Grants Cycle will award grants in the amount of:

• **\$10,000** • **\$20,000** • **\$30,000** • **\$40,000** • **\$50,000**

The number of grants in each category will be based on the relative strength of application proposals received.

- We reserve the right to not give grants in any specific category. Please note that funding for grant proposals at higher levels is more competitive.
- Applicants may only submit **ONE** grant application. The application can be for any of the listed grant amounts.
- 50% of funding is reserved for certified municipalities and school districts with at least one certified school.



Project Categories



- Energy Conservation, Efficiency, and Electrification
- New Construction/Gut Rehab Projects
- Renewable Energy
- Energy Reliability and Resiliency
- Transportation Efficiency and Electrification
- Studies, Plans, and Engineering

Applicants for energy efficiency projects must apply for any available funding through other incentive programs to be eligible to apply for a Gardinier grant (used to cover remaining costs).



Energy Conservation Policies and Education



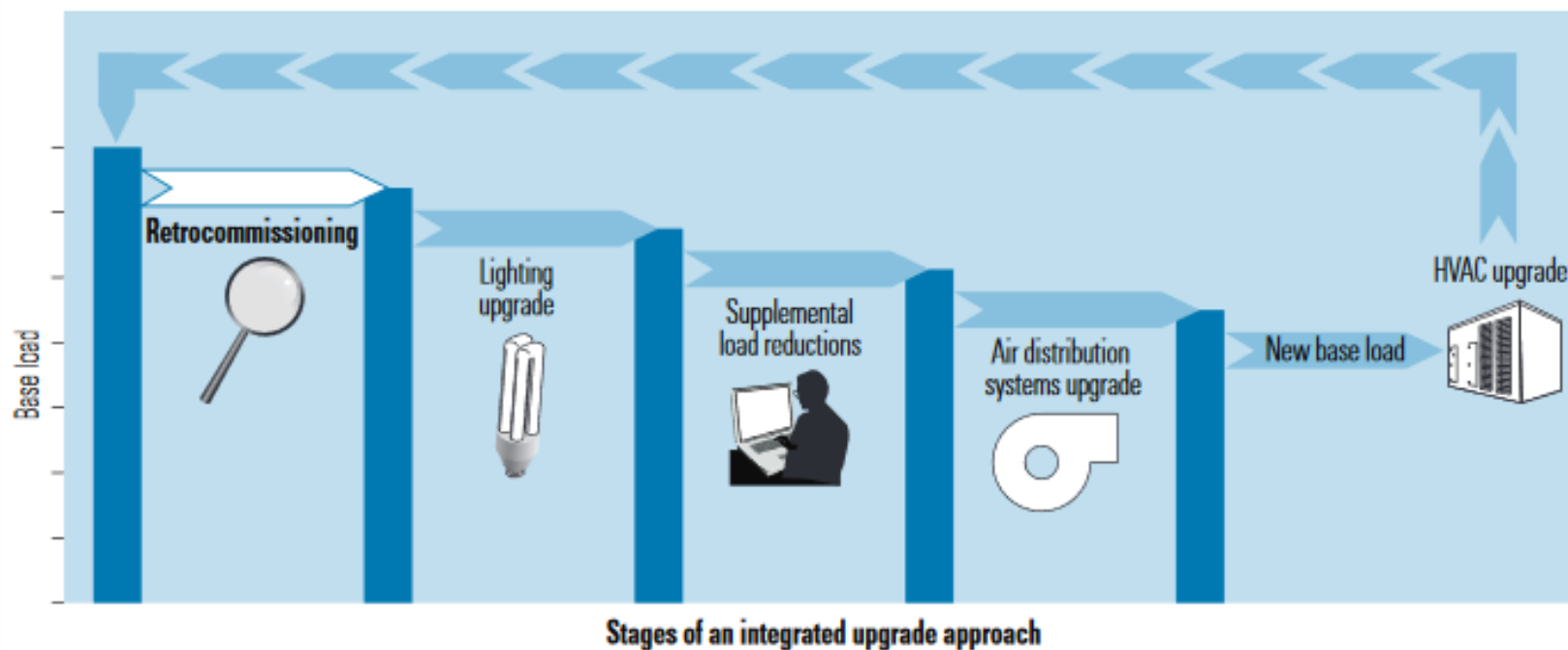
- Behavior-based policies
 - Lighting, computer, and HVAC policies
- Staff training
- Energy conservation campaign
 - Brochures, flyers, email blasts
 - School assembly presentations
 - Holiday shut-down policy
- *Green Purchasing action*
- *Behavior-Based Energy Conservation Programs action*



Winslow Middle School



Energy Management



https://www.energystar.gov/sites/default/files/buildings/tools/EPA BUM_CH5_RetroComm.pdf



Commissioning



- Calibrating / recalibrating building systems
- New construction
- Existing buildings
 - Retro-Commissioning
 - Re-Commissioning
 - Continuous Commissioning
- Improves indoor air quality, comfort, cost savings
- 5% to 30% energy savings

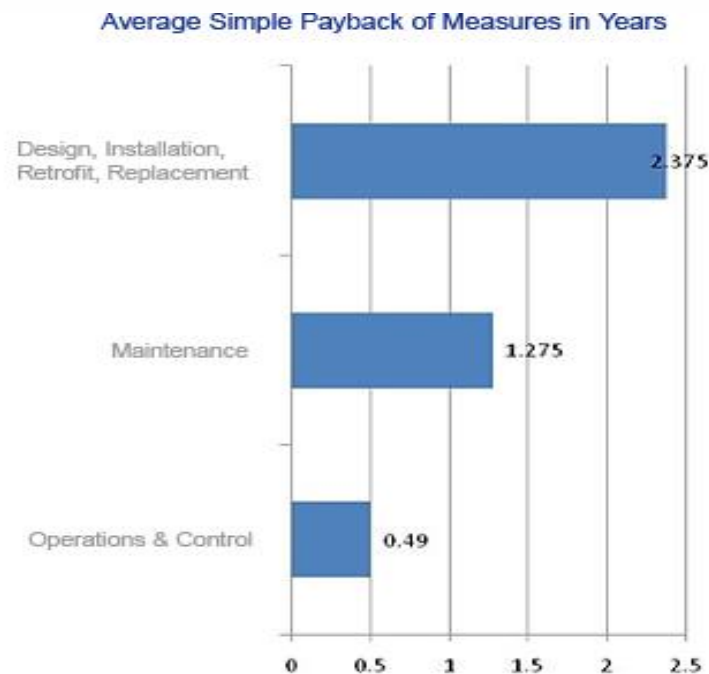


Figure Data Source: Mills, E., 2009. "Building Commissioning: A Golden Opportunity for Reducing Energy Costs and Greenhouse Gas Emissions"



Energy Efficiency for Facilities



- Incentives

- New Jersey's Clean Energy Program (NJCEP) Programs

- Local Government Energy Audit (LGEA)
 - New Construction / Gut Rehab

- Utility Programs

- Direct Install
 - Engineered Solutions
 - Equipment Rebates

- *Energy Efficiency for Facilities action (Schools/Municipalities)*
- *Energy Tracking and Management action*



Municipal buildings



Schools

HOME

RESIDENTIAL

COMMERCIAL, INDUSTRIAL
AND LOCAL GOVERNMENT

RENEWABLE ENERGY

COMMERCIAL, INDUSTRIAL &
LOCAL GOVERNMENT

▼ PROGRAMS

▼ EXISTING BUILDINGS ENERGY
EFFICIENCY

BENCHMARKING

LARGE ENERGY USERS
PROGRAM

LOCAL GOVERNMENT ENERGY
AUDIT

UTILITY PROGRAMS

▼ NEW CONSTRUCTION ENERGY
EFFICIENCY

SINGLE MEASURE:
SMARTSTART NEW
CONSTRUCTION

MULTI MEASURE: CUSTOMER
TAILORED

COMPREHENSIVE: PAY FOR
PERFORMANCE

▼ DISTRIBUTED ENERGY RESOURCES

COMBINED HEAT AND POWER -
FUEL CELL

DER MICROGRID FEASIBILITY
STUDIES

▼ OTHER/SPECIALIZED

ENERGY SAVINGS
IMPROVEMENT PROGRAM
(ESIP)

Home » Commercial & Industrial

Local Governments, Schools and Non-Profits

Note: Select energy efficiency programs for existing buildings are transitioning to the utility companies

To learn more about this transition and for utility contact information, please visit [this page](#).

NJCEP Pay for Performance (P4P) for existing buildings and NJCEP Direct Install will no longer accept applications starting July 1, 2021. All eligible applications accepted before that time will continue with NJCEP until final payment.

PSE&G customers who purchased electric or natural gas energy efficiency equipment prior to June 1, 2021 may be eligible for SmartStart Buildings (SSB) and/or Customer Tailored Energy Efficiency Program (CTEEP) rebates. For non-PSE&G customers, equipment purchased prior to July 1, 2021, may be eligible for SSB and CTEEP rebates.

For projects (single- or multi-measure) saving electricity and natural gas, aka "dual-fuel", where gas or electric service, but not both, are provided by PSE&G should continue to apply to NJCEP's SSB, CTEEP, and P4P existing buildings until the other utility programs launch.

NJCEP's SmartStart Buildings (SSB), Customer Tailored Energy Efficiency Program (CTEEP), and Pay for Performance (P4P) programs will remain available for new construction projects and major gut renovation projects only beginning on July 1, 2021.



Throughout New Jersey, residents and business owners are looking for ways to save energy and the environment - local governments and schools are no exception. New

Program Updates

- Energy Efficiency Program Transition Update
- Other updates posted.

Program Literature



Applications and Brochures
Download the Latest Program Materials

Find a Trade Ally

Select a contractor for an energy efficient upgrade today!



Success Stories



Library IV Restaurant
New Lighting and HVAC equipment for greater savings

Clean Energy Learning Center



New Jersey Clean Energy Learning Center

Local Govt and Schools



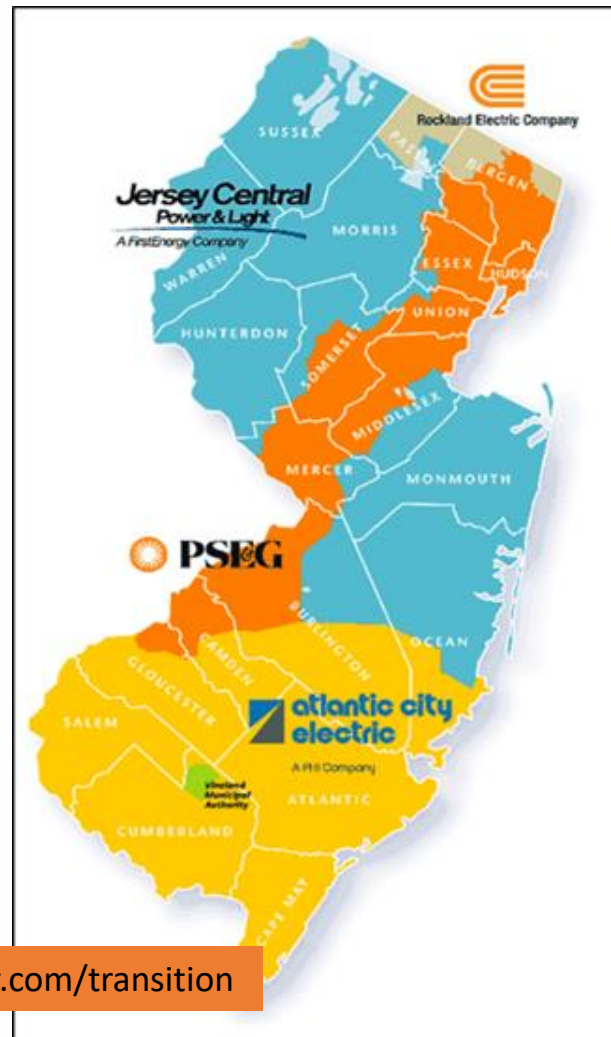
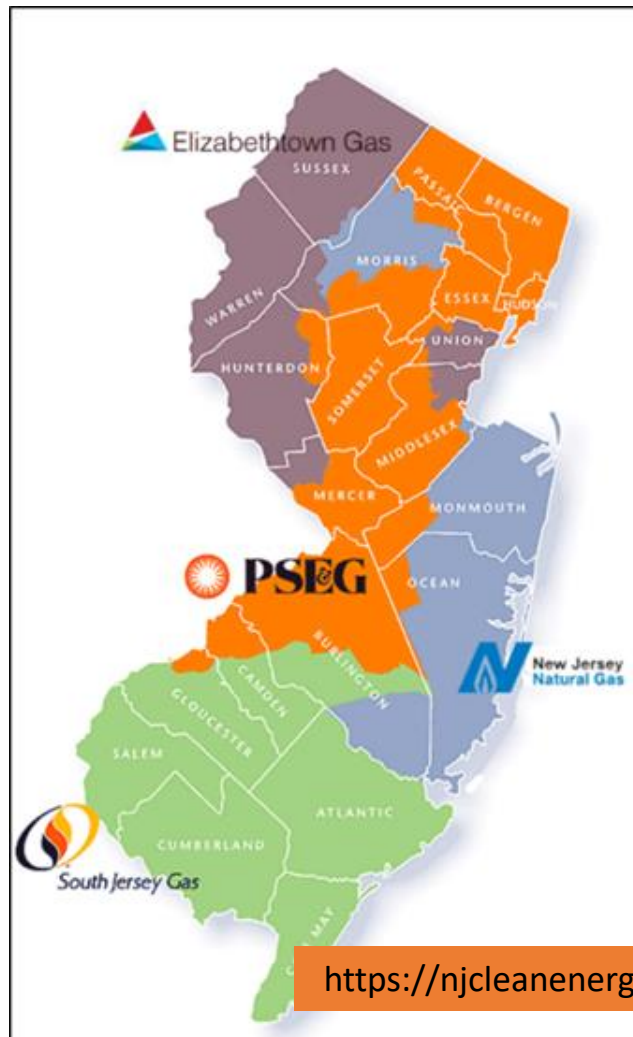
Find out what financial incentives are available today!



Utility Incentive Programs



- Incentives vary by utility
- Contact your local natural gas and electric utilities



<https://njcleanenergy.com/transition>

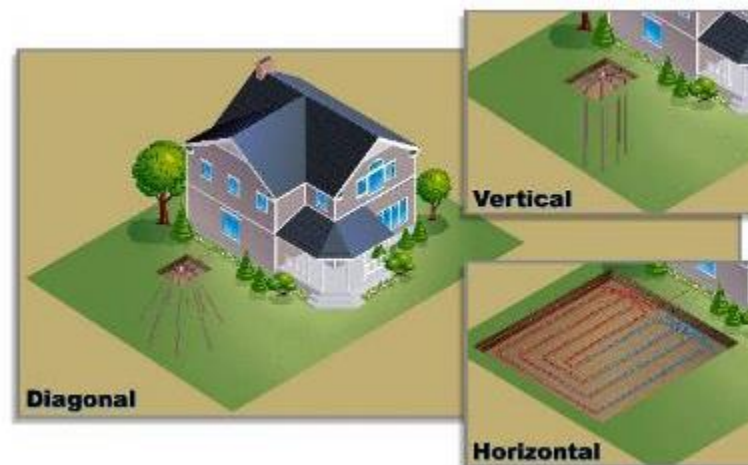
Building Electrification

- Heat Pumps
 - Air-source
 - Ducted
 - Ductless Mini-Split
 - Ground source
 - Water heater
 - Dryer
- Induction stoves
- *Municipal Geothermal Energy System action*



Flickr user: Gary Cziko

<https://commons.wikimedia.org/w/index.php?curid=838369>



<https://commons.wikimedia.org/w/index.php?curid=53250131>

Historic Buildings

- Older buildings built to last!
- Buildings older than 1920 are often MORE efficient
 - Built without modern heating and cooling
 - Energy savings designs such as deep eaves, cross ventilation
 - South-facing for solar gain
 - Old growth wood
- Requires specific expertise for energy efficiency retrofit



G.G. Green Senior Residences Revitalize Historic Building

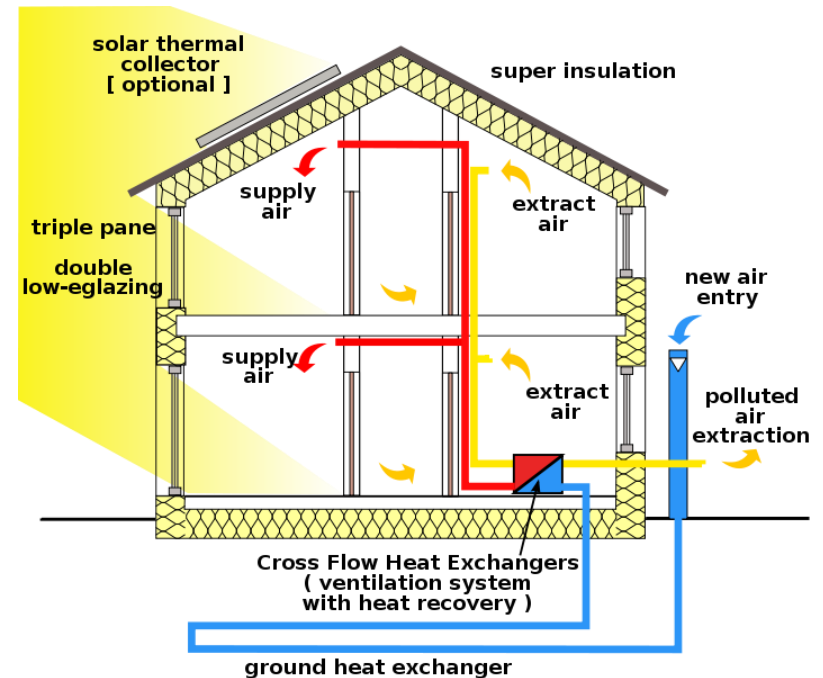
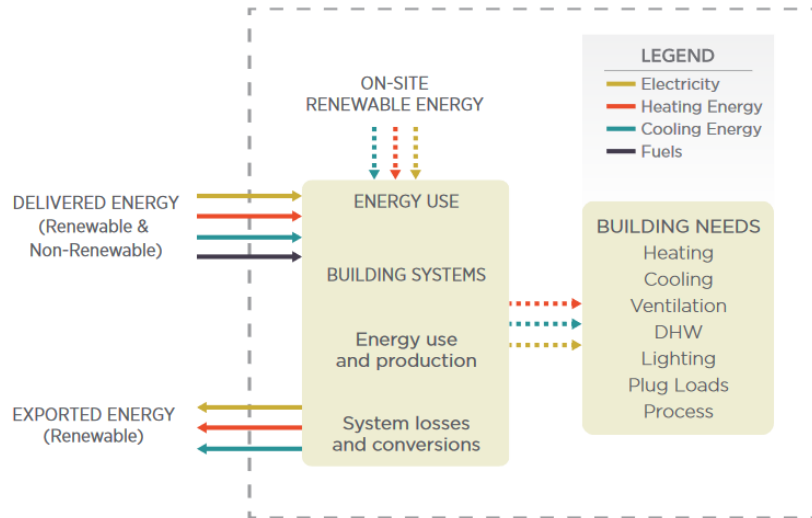
https://www.huduser.gov/portal/casestudies/study_02192015_1.html



<https://www.nps.gov/tps/standards/rehabilitation/sustainability-guidelines.pdf>

Zero Energy Buildings (ZEBs) and Passive House

Figure 1 - Site Boundary of Energy Transfer for Zero Energy Accounting



Zero Energy Diagram

https://www.energy.gov/sites/prod/files/2015/09/f26/bto_common_definition_zero_energy_buildings_093015.pdf

Passive House Design Diagram

https://commons.wikimedia.org/wiki/File:Passive_house_scheme_1.svg



Municipal Examples of ZEB and Passive House



- **Forest Hills Municipal Building (Pennsylvania)**
 - Built in 2014
 - 13,000 sq ft structure
 - 175kW solar array
 - 213,000 kWh of energy annually
- **Valleyview Town Hall (Alberta, Canada)**
 - Built in 2017
 - 350km north of Edmonton
 - 6,479 sq ft
 - Passive House Plus



Forest Hills Municipal Building
Google Street View



Valleyview Town Hall
https://commons.wikimedia.org/wiki/File:Town_of_Valleyview_-_Town_Hall_2019.jpg



Westview Commons



First Zero Energy / Passive House multifamily building in NJ

- 100% affordable
- 55+ building with 64 units
- Located in Westville, NJ
- RPM Development Group
- Solar will offset electricity
- \$250,000 in NJCEP incentives



Westview Commons
Google Streetview

Green Roofs

- Reduce energy costs
- Increase building comfort
- Reduce urban heat island effect
- Enhance stormwater management
- *Green Infrastructure Implementation action*

Figure 4: Temperature Differences between a Green and Conventional Roof



www.epa.gov/sites/production/files/2017-05/documents/reducing_urban_heat_islands_ch_3.pdf





Wastewater Treatment



Common Energy Efficiency Equipment Upgrades Water Treatment Facilities

Variable Pump Sizes

- Different pump sizes to handle higher & lower flow rates ensures pumps are not overworking and wasting energy

Variable Frequency Drives (VFDs)

- VFDs adjust pump motor power supply to ensure peak efficiency
- Useful when flow rates vary significantly

Aeration Equipment

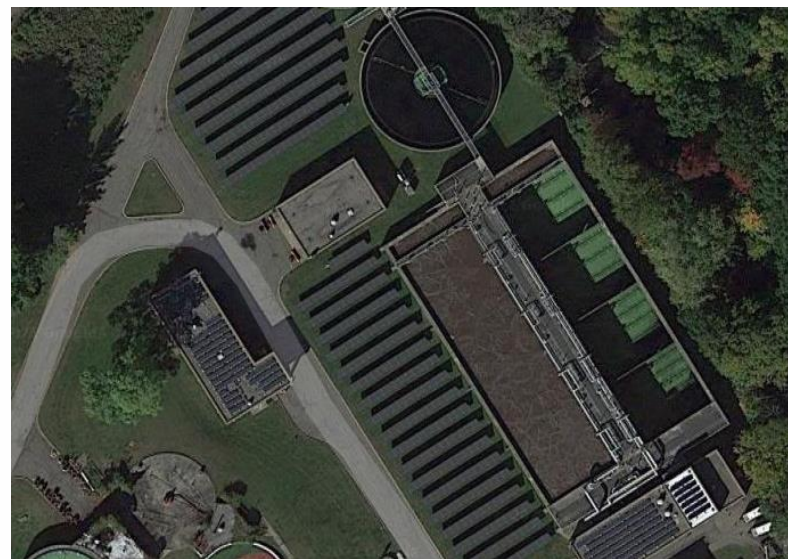
- Aeration systems typically account for half of wastewater plant energy use
- Upgrade to energy efficient blowers and diffusers

Water Treatment

- Energy generation
 - Solar
 - Biomass (closed loop)



Canoe Brook Reservoir Floating Solar Installation, Short Hills
<https://cdn.njib.gov/njeit/annualreports/annualreport2012.pdf>



Morristown Wastewater Treatment Plant Solar Energy Project
 Google Maps

- Morristown wastewater solar
 - Provides 40% of electricity
 - Saves the town \$90,000 a year



Solar PV (+ Storage)



- Innovative solar installations

- Canopies
- Floating Solar
- Pavilions
- Community Solar

- Storage

- Power during a blackout
- Emergency shelter
- Demand Side Management

- *Municipal and School On-Site Solar System Action*

Hopewell Valley Central High



twitter.com/psegnews/status/716052526446022660



One-megawatt (MW) renewable energy storage battery is located at ACUA's Wastewater Treatment Facility.

www.acua.com/green-initiatives/renewable-energy/battery/



Solar Thermal



- Use solar energy to heat water
 - City hall
 - Fire stations
 - Rec centers
 - Senior centers
 - Schools
- Manchester Township's Police Department
 - Provides hot water for
 - 5 showers
 - 16 sinks

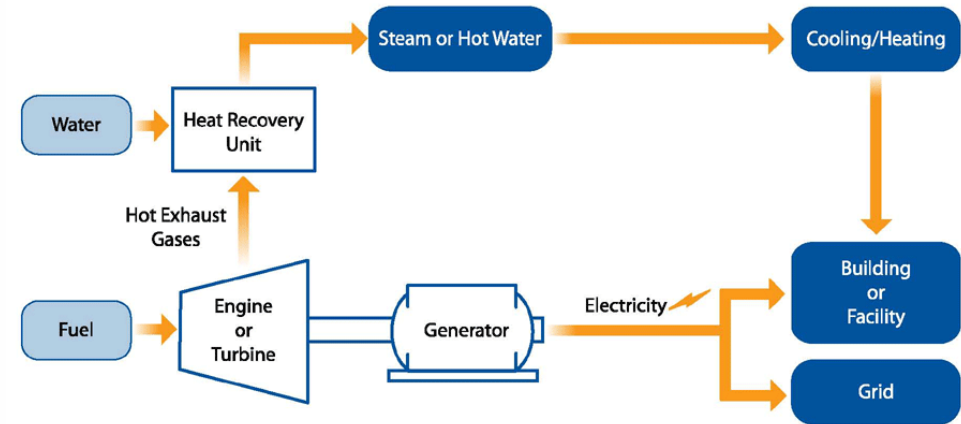


Manchester, NJ solar thermal installation

- *Municipal and School On-Site Solar System Action*

Combined Heat & Power

- Uses waste heat to generate electricity onsite
- Highly efficient
- Best for entities with large energy loads



CHP Diagram

<https://www.epa.gov/chp/what-chp>

- NJCEP incentives
 - <http://www.njcleanenergy.com/chp>
 - Incentive level based on size of system

Micro-CHP System

<https://www.nist.gov/laboratories/tools-instruments/micro-combined-heat-and-power-device-test-facility>



Microgrids

- NJCEP 2017 Microgrid Feasibility Studies
 - <http://njcleanenergy.com/commercial-industrial/programs/der-microgrid-feasibility-studies>
- NJ Community Microgrids Planning Academy
 - www.microgrids.io



Microgrid Diagram

<https://www.energy.gov/sites/prod/files/2018/12/f58/remote-microgrids-dan-ton.pdf>

District Energy

- Heating and/or cooling energy
 - Generated at central plant
 - Distributed via underground pipes
- Most effective for buildings located close together
 - Municipal complex
 - Downtown districts
- NJ examples
 - Trenton – Veolia District Energy
 - Atlantic City – Midtown Thermal Control Center



CHP turbine for St. Paul, MN district energy system

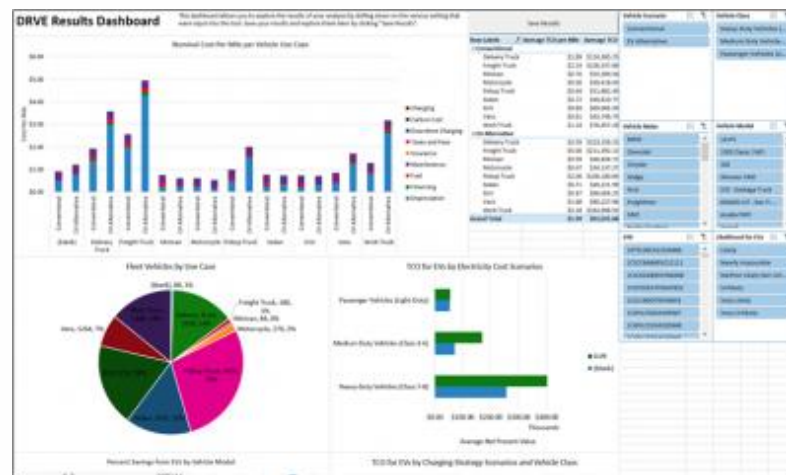
<https://mn.gov/admin/government/sustainability/blog/?id=36-319427>



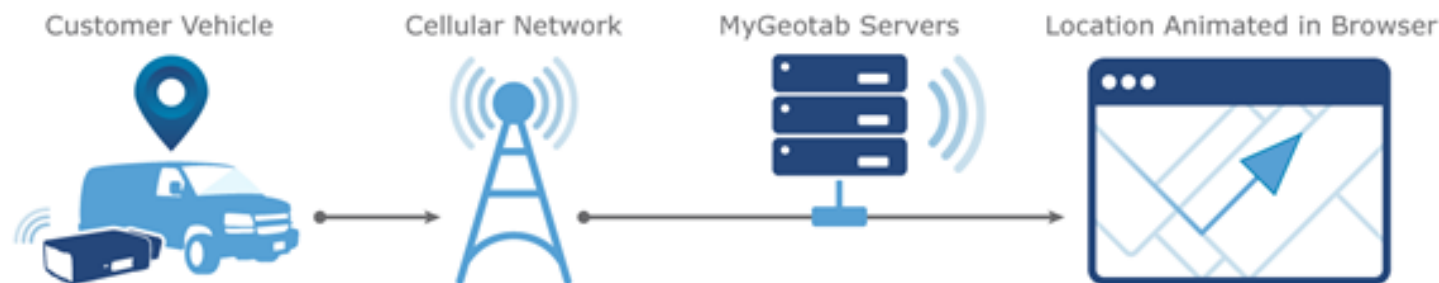
Fleet Management System



- Vehicle tracking
 - Miles traveled
 - Duty cycle
 - Driver behavior
- Telematics
- Right-sizing fleet
- Identify EV opportunities



DRIVE Tool
<https://www.atlasevhub.com/materials/drive/>



Telematics Diagram

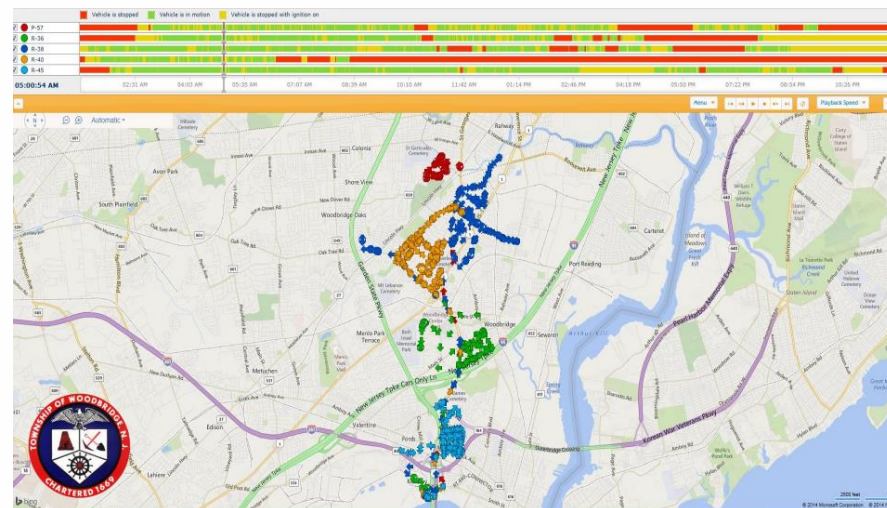
<https://www.colorado.gov/pacific/dca/telematics>

Route Optimization

- Planning optimal routes improves efficiency by reducing
 - Miles driven
 - Stops at signals
 - Time spent in traffic
 - Number of vehicles needed



Sussex, NJ Salt Dome
<https://www.sussex.nj.us/cn/webpage.cfm?tpid=14382>



Woodbridge Snowplow Routes

For more information:
 U.S. Department of Energy
 Alternative Fuel Data Center
https://afdc.energy.gov/conservation/behavior_strategies.html



Idling Reduction Technologies



- Auxiliary Power Units (APU)
- Fuel-operated heaters
- Appropriate for
 - School buses
 - Firetrucks
 - Police cruisers
 - EMS vehicles
- Reduces fuel usage and maintenance costs



Idling Reduction Technologies in Woodbridge Firetruck

Image Source: Woodbridge



Alternative Fuel Vehicles



- Alternative fuels
 - Electric
 - Hydrogen (Fuel Cell)
 - CNG
- Heavy-duty vehicles
 - Buses, Garbage trucks, Delivery/freight trucks, Snow removal vehicles
- *Purchase Alternative Fuel Vehicles action*
- *Sustainable Fleets action (SJS)*



Electric School Bus

https://commons.wikimedia.org/wiki/File:Thomas_Saf-T-Liner_eC2_Jouley_-_Front_and_right_side_IAA_2018.jpg



Newark's CNG Truck Fleet

Image Source: City of Newark Press Office



EV Incentives



- **NJDEP: It Pay\$ to Plug In**
 - \$4,000 per Level 2 charging port
 - \$200,000 per DC Fast Charger
 - <https://www.drivegreen.nj.gov/plug-in.html>
- **NJBPU: Clean Fleet EV Incentive Program**
 - Two \$4,000 grants for EV purchase
 - One \$1,500 grant for purchase of Level 2 EV charging station
 - <https://njcleanenergy.com/EV>
- **NJEDA: Zero Emission Incentive Program (NJZIP)**
 - \$25,000 to \$100,000 for purchase of medium-duty vehicles
 - <https://www.njeda.com/njzip/>
- **Utility Programs: EV Make Ready**
 - PSEG – EV Charging Program
 - <https://nj.myaccount.pseg.com/myservevicepublic/electricvehicles>
 - ACE – EV Program
 - <https://www.atlanticcityelectric.com/SmartEnergy/InnovationAndTechnology/Pages/Electric-Vehicle-Program.aspx>

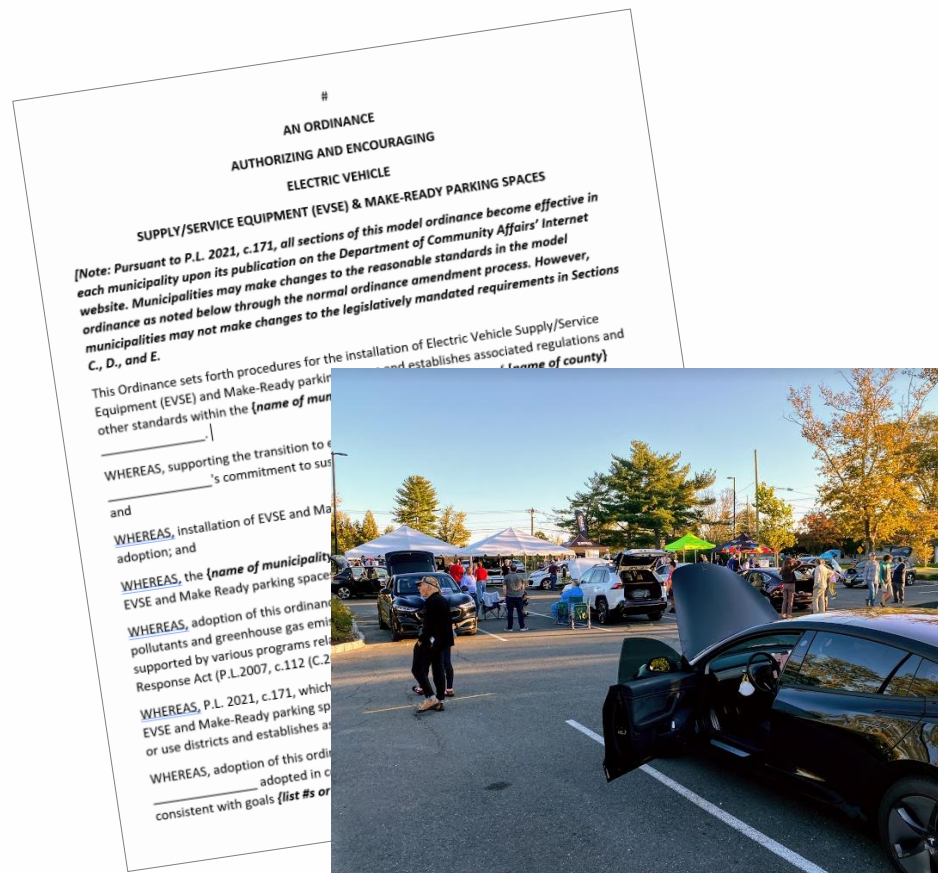


Preparing for and Promoting EVs



<https://www.nj.gov/dca/dlps/home/modelEVordinance.shtml>

- Adopt DCA Model Statewide Municipal EV Ordinance
- Staff training for permitting, zoning, code officials, first responders
- Community educational outreach or incentive programs
- *Make Your Town EV Friendly action*



Sustainable Princeton's An Electric Evening

Micro-Mobility

- **Definition**

- Small, lightweight vehicles operating at speeds typically below 15 mph

- **Possible programs**

- Bike share
- Electric Scooter Share

- **Benefits**

- Boosts health & wellbeing
- Costs less than private auto

- **Important considerations**

- Partnerships
- Accessibility
- Safety



Hudson/Citibike Bike Share

<https://www.hobokennj.gov/news/jersey-city-and-hoboken-seek-public-input-on-bike-share-expansion>

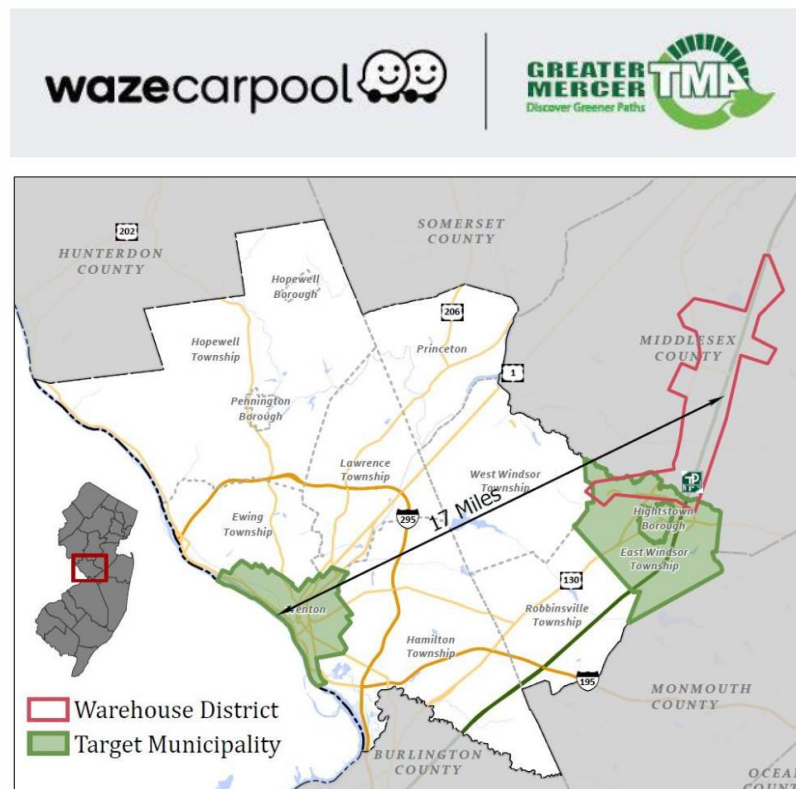


Alternative Commute



PickUP

- Ridesharing
- Shuttle buses
- Greater Mercer TMA's PickUp program
 - Partnership with Waze
 - Uses Waze Carpool App
 - Incentivizes carpooling from Trenton to job opportunities along Rt. 130 corridor warehouse area
 - Incentives provided to both riders and drivers
 - Provide shuttles



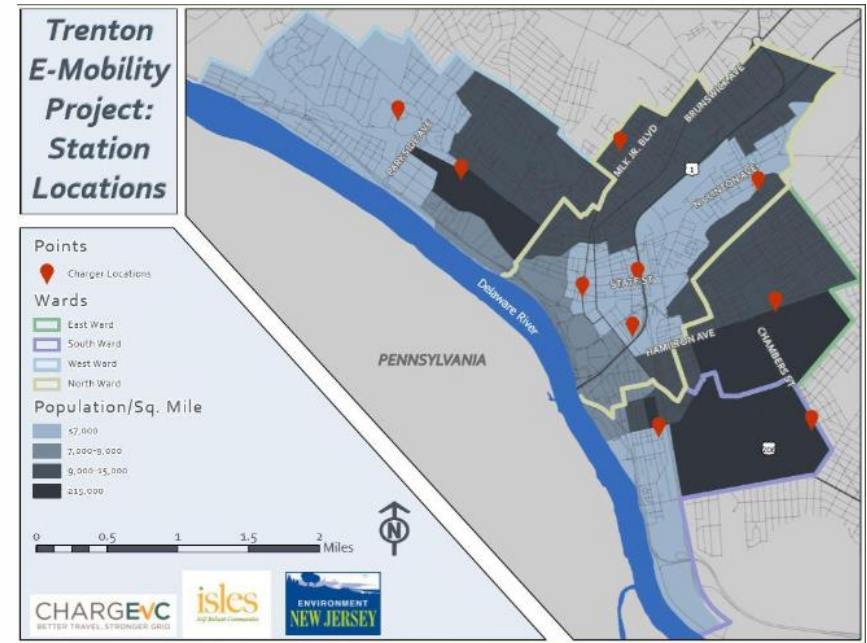
<https://isles.org/wp-content/uploads/2021/06/Mon-EV-Slides.pdf>



E-Mobility EV Car-Sharing/EV Ride-Sharing



- NJDEP eMobility Grant
 - <https://www.state.nj.us/dep/vw/eMobility%20project%20proposal.pdf>
- Trenton E-Mobility Pilot
 - Collaborative effort between Isles, City of Trenton, NJDEP, Charge EVC, Environment NJ, and NJ Clean Cities Coalition
 - Three Services
 - Carsharing Program
 - Ridesharing Program
 - Shuttle Service



Trenton E-Mobility Project Station Locations

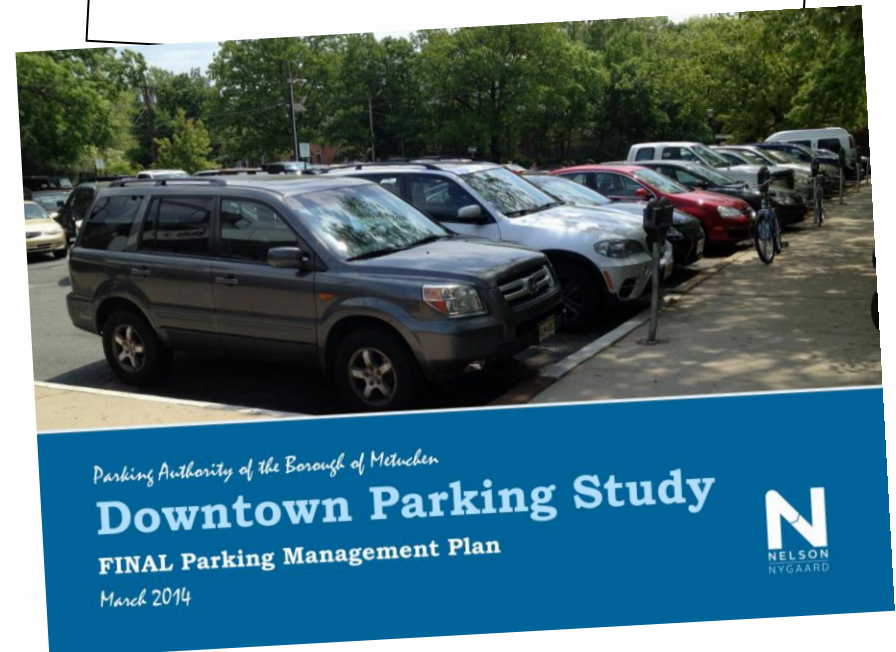
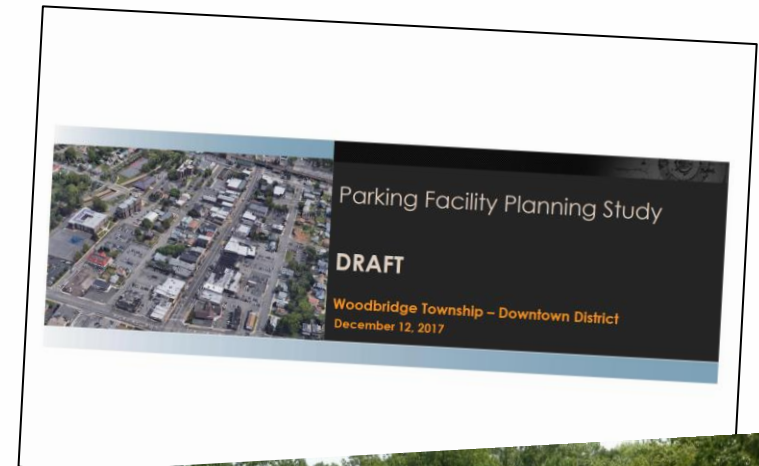
<https://isles.org/wp-content/uploads/2021/06/Mon-EV-Slides.pdf>



Parking Management

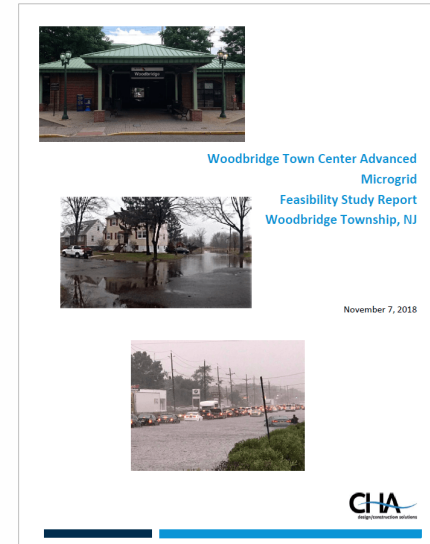
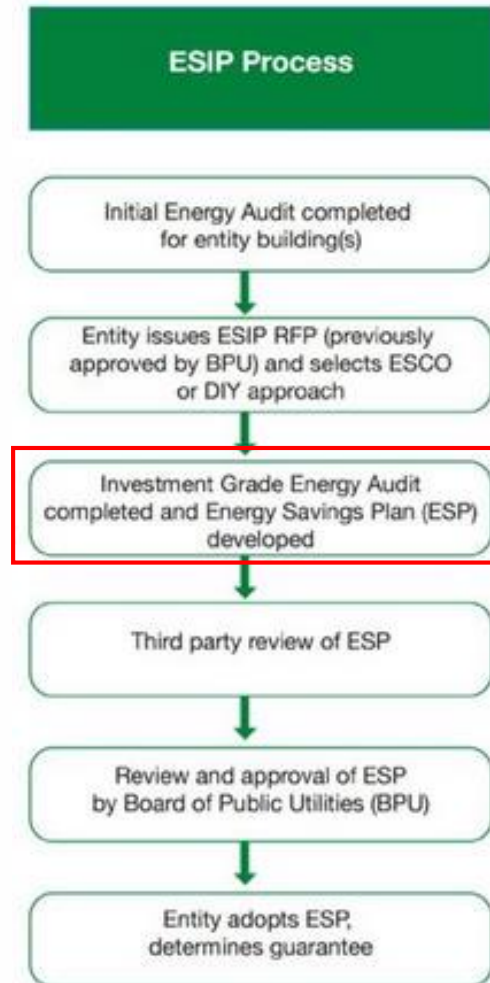


- Parking management study
- Adopt or revise parking policies and/or code provisions to:
 - Use existing parking more efficiently
 - Reduce future parking demand
 - Enhance walkability



Studies and Plans

- Investment Grade Audits for ESIPs
- Solar + Battery Feasibility Study
- Microgrid Feasibility Study
- Alternative Fuel Vehicle Readiness Planning
- Parking Study





Energy Actions



	Energy Conservation	Renewable Energy	Alternative Fuel Vehicles
Municipal / School Operations	<ul style="list-style-type: none"> • Behavior Based Conservation (Schools) • Energy Tracking and Management • Energy Efficiency for Facilities • Green Roof 	<ul style="list-style-type: none"> • On-Site Solar Energy <ul style="list-style-type: none"> • Includes solar thermal • On-Site Geothermal • On-Site Wind Energy • Purchase Renewable Energy 	<ul style="list-style-type: none"> • Fleet Inventory • Meet Target for Green Fleet • Purchase AFVs • Sustainable Fleets
Community Actions	<ul style="list-style-type: none"> • Residential Energy Efficiency Outreach • Commercial Energy Efficiency Outreach 	<ul style="list-style-type: none"> • Community Choice Aggregation (R-GEA) • Make Your Town Solar Friendly • Community-Led Solar Initiatives • Community Solar 	<ul style="list-style-type: none"> • Make Your Town EV Friendly • Public EV Chargers



Sustainable Jersey Grants Program for Energy Projects Funded by the Gardinier Environmental Fund

2021-2022 Municipality and School District Grant Application Package

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Application

- The [application information packet](#) can be downloaded from the Gardinier Energy Cycle page under the Grants tab of the **Sustainable Jersey and Sustainable Jersey for Schools** website.
- We encourage you to read the packet and send it to your project/green team to review before starting an application.



Online Application



DEADLINE: Friday, November 5, 2021 at 11:59pm

APP LINK: <https://webportalapp.com/sp/login/2021energygrants>

STEP ONE: Create a Grant Account

Review **instructions** on how to create a grant account on the Online Application Portal Instructions page under the Grants tab on both websites

Sustainable Jersey Grants Program

GARDINIER ENVIRONMENTAL FUND

Sign In

Email

Password

[Log In](#) [Forgot your pass](#)

Need an Account?

[Sign Up](#)

Sign Up

Enter an email address and choose a password to create a new account.

Email

Password

- Must contain at least one lowercase letter
- Must contain at least one uppercase letter
- Must contain one number
- Must be between 8 and 32 characters
- Must not be an email address

Confirm password

Passwords must match

[Sign Up](#)

Thank you for signing up for a Sustainable Jersey Grants Program account! As the **primary grant contact**, you will use this account to submit grant applications in Sustainable Jersey Grants Program cycles and, if any of your applications are selected for funding, the required reporting requirements. Before moving forward with a grant application, you must first create a Profile for your grant account.

Please click "Create a Profile to Get Started" to begin. You can always edit your Profile by clicking "Edit".

You cannot move forward until you have completed your Profile.

[Create a Profile to Get Started](#)

Primary Application Contact

****This is the primary person Sustainable Jersey will correspond with regarding this application and any subsequent award. The primary contact must be a staff member or an elected/appointed official (green team member/volunteer). It cannot be a consultant.****

Are you affiliated with a municipality or a school district? *

Name *

Title *

Phone *

Phone Number Extension

Email *

STEP TWO: Create a Profile

The primary application contact has to be a school district or municipal employee. If working with a consultant who plans on submitting the application, they should submit it using a grant account with a proper primary contact.

STEP THREE: Ready to Start a Grant Application

Thank you for filling out the profile form for your grant account. Now you can move forward with completing a grant application.

Eligible applicants are limited to submitting **ONE** grant application. The applicant can request either of the grant amounts available in this cycle (\$10,000 ; \$20,000 ; \$30,000 ; \$40,000 or \$50,000.

Applicants may only submit **ONE** grant application. The application can be for any of the listed grant amounts (\$10,000; \$20,00; \$30,000; \$40,000; or \$50,000).

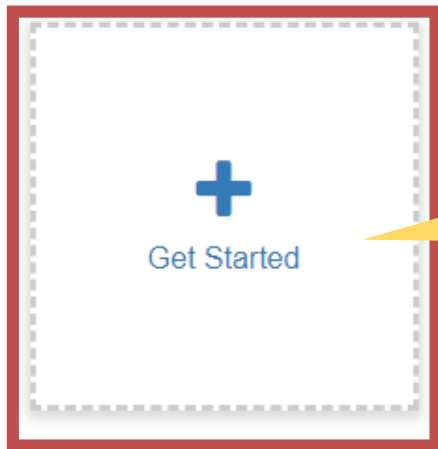
Consider reviewing the FAQ page [here](#) or by clicking the "gear" icon in the upper-right corner and selecting "help". The gear icon is also used to logout of the application. It is also recommended that you review the [Application Information Packet](#) before getting started.

The grant application consists of four parts:

1. Energy Grant Proposal - due 11/5/2021
2. Current SJ Program Status - due 11/5/2021
3. Confirmation of Eligibility for Applicable Energy Incentive Programs - due 11/5/2021
4. Grant Authorization Res - due 12/3/2021

To begin, click "+Get Started" below. When you return to this Homepage, you can see the status of your submission by the colored status bar below the submission card.

- If the status bar is gray, your submission is under review, and no action needs to be taken.
- If the status bar is **blue**, there is an action required. Click on the Submission Card to complete.
- If the status bar is **red**, there is an error. Please reach out to the Administrator of this program.



Applicant are only eligible to apply for ONE grant. The application can be for any of the available funding amounts. Collaboration between municipalities and school districts is encouraged.



Application Sections



Grant Account and Profile

Energy Grant Proposal - due 11/5/2021

- | | |
|-------------------------------------|-------------------------|
| 1. Applicant Information | 3. Application Contacts |
| 2. Sustainable Jersey Grant History | 4. Grant Proposal |

Current Sustainable Jersey Program Status - due 11/5/2021

- | | |
|---|------------------------------|
| 1. Current Status in the SJ/SJS Program | 2. Green Team Documentation* |
|---|------------------------------|

Confirmation of Eligibility for Energy Incentive Programs - due 11/5/2021

1. Evidence that applicant reach out to applicable energy incentive programs

Grant Authorization Documentation – due 12/3/2021

1. Authorization resolution OR letter to submit grant application

*Not required from **Sustainable Jersey certified** municipality or districts with **Sustainable Jersey for Schools certified** schools



Energy Grant Proposal



Applicant Information

- Are you submitting an application as a municipality or school district?
(Choose One)
 - ☐ Municipality
 - ☐ School District
- Which grant are you applying for?
(Choose One)
 - ☐ \$10,000
 - ☐ \$20,000
 - ☐ \$30,000
 - ☐ \$40,000
 - ☐ \$50,000

Must answer this question first in order to populate the application form with questions specific to the grant you are applying for.



Energy Grant Proposal



Municipal Applicant

- Municipality Name and County
 - Search for your municipality name via the search bar and this information will auto-fill

Municipality Name *

Type to begin search...

Aberdeen Twp

Absecon City

Alexandria Twp

Please note that municipalities with the same name may have to try clicking on more than one name before finding the one assigned to the correct county

- Municipal Employer Identification Number (EIN)
 - Ask your fiscal contact for this



Energy Grant Proposal



School Applicant

- School District Name and County
 - Search for your school district name via the search bar and this information will auto-fill

School District Name *

Type to begin search...

Absecon Public Schools

Academy Charter High School

Academy For Urban Leadership Charter School

Please note that districts with the same name may have to try clicking on more than one name before finding the one assigned to the correct county

- NJDOE School District Code
- District Employer Identification Number (EIN)
 - Ask your fiscal contact for this



Energy Grant Proposal



SJ Grant History

- **Previously-awarded grants** can affect your eligibility to apply for another grant
 - Review the eligibility chart for previous grant recipients
 - Applicants are eligible to have two open grants at a time—one “large” grant and one “small” grant
- **Outstanding Grants**
 - Unable to apply for any grants until the outstanding grant is closed
 - Still the case if the previously-awarded grant has an extension
- **NOTE:** Open grants in an individual school do not affect the district’s eligibility

As long as the project is finished, a grant can be closed out by submitting a final report. Contact us ASAP to see if have any open grants and what your close-out options are. It may be possible to close out a grant in time to be awarded a new one.



Energy Grant Proposal



Application Contacts

- Provide the name, email address, phone number, and phone number extension (if applicable) for the following contacts:
 - Superintendent (School district applicants only)
 - Mayor (Municipal applicants only)
 - Fiscal Contact (will also need mailing address)
 - Media Contact (optional)

While it is not required to have any kind of a media contact, let alone a formal one, we encourage you to assign the role to one of your project team members. Community engagement is an important aspect of every grant project so it is good to have someone responsible for project promotion. We will ask for sample communications materials in the final report.



Energy Grant Proposal



Proposal Sections

- Project Title and Brief Description
- Action Plan and Timeline
 - Can use the template available [here](#)
- Budget Narrative and Detailed Project Budget
 - Can use the budget template available [here](#)
- Project Team
- Community Engagement
- Project Impact and Evaluation
- Optional Information
 - Letters of support, surveys, photos, price quotes, studies, etc.

Before getting started on the proposal, review the evaluation criteria for the grant you are applying for (municipal [link](#) and school [link](#)).



Community Engagement



- **Park Ridge:** Hosted an EV Ride and Drive event at the annual car show and educated 4th graders on the importance of EV's





Community Engagement



- **Woodbridge:** Educated residents on its police vehicle idle reduction pilot study via in-person events and social media





Community Engagement



- **Princeton:** Educated residents on the benefits of community solar at public meetings





Community Engagement



- **Morristown:** Unveiled its new solar pavilion at the community garden via a ribbon cutting ceremony and sponsor signage





Community Engagement



- **Other ways to engage the community and promote the grant:**
Post on social media, distribute flyers, add sponsor signage, host a town meeting to get feedback from the community, put out a survey, have an outreach component, use volunteers, etc.

2019 JC Climate Action Planning Bulletin 01 MARCH

JERSEY CITY IS TAKING STEPS TO TACKLE CLIMATE CHANGE

Jersey City has partnered with the PSEG Institute for Sustainability Studies (PSEG ISS) to track the City's greenhouse gas emissions and draft a plan to reduce them.

WHAT ARE GREENHOUSE GASES?
Greenhouse Gases, or GHGs such as Carbon Dioxide, are gases in our atmosphere that absorb and trap heat. Heat from the sun that is usually radiated back to space is instead trapped by GHGs and kept near the Earth's surface. This acts as a thermal blanket around the Earth's surface, leading to increased temperatures and climate change.

WHAT ARE WE DOING?
The goals of a Jersey City Greenhouse Gas Inventory are to measure emissions, build more effective emissions reduction strategies, set measurable and ambitious emission reduction goals, and to track progress more accurately and comprehensively.

HOW ARE WE DOING IT?
Municipal Fleet GHG Emissions Inventory
Create a baseline from municipal fleet (vehicles owned by Jersey City) data to track and reduce future City of Jersey City fleet emissions.
Community GHG Emissions Inventory
Create a baseline of stationary energy transportation, and waste to track and reduce future emissions within Jersey City.

WHY NOW?
One of the main contributors to climate change is the combustion of fossil fuels, like when you run the engine in a vehicle. This emits high levels of GHGs. The international scientific community estimates a global carbon budget which will prevent catastrophic interruption of natural cycles. In an effort to align Jersey City with the global carbon budget, Jersey City has partnered with PSEG ISS to measure and reduce Greenhouse Gas emissions within our community. PSEG ISS has recruited a team of undergraduate students to help Jersey City tackle this initiative.

WHO IS INVOLVED?
The JC community, including you!
Port Authority, NJTPA & City Departments
Energy providers
PSEG ISS & Sustainable Jersey

TO GET LEARN MORE,
Visit our website at jcmakethegreen.org
Follow us on social media
@Jcmakethegreen

Manasquan School District Retweeted
Manasquan STEM @ManasquanSTEM · Jun 21
A first look at the @mysoofa bench installed outside the Manasquan Elementary School student garden. Thank you @SJ_Program and #gardinierenvironmentalfund for the funding and support. We look forward to using this solar-powered charging station in our #STEM lessons @ManasquanBOE

The image shows a wooden bench with a solar panel on top and a charging station. The bench is labeled 'Charging' and 'GARDINIER ENVIRONMENTAL FUND'. It is installed outside a school building.

ACKNOWLEDGEMENTS

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This report was produced by the Jersey City's Office of Sustainability and Montclair State University's PSEG Institute for Sustainability Studies in coordination with the Jersey City Environmental Commission (also known as the Jersey City Green Team).

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ICLEI-Local Governments for Sustainability USA
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Jersey City Staff
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Alison Cucco, Chair

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Rohan Padhye, Assistant Director
Dawn Tracht, Program Coordinator
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Jennifer Brown, Skyline, 2017.

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Current SJ Status



Are you applying as a municipality or a school district?

Municipality

- Did you check the [Participating Communities Map](#)?
- What does the map say your municipality's status in the Sustainable Jersey program is?
 - Not Registered (not listed)
 - Registered (listed)
 - Bronze Certified  **BRONZE**
 - Silver Certified  **SILVER**

School District

- Did you check the [Participating Schools and Districts Map](#)?
- What does the map say your school district's status in the Sustainable Jersey for Schools program is?
 - Not Registered (not listed)
 - Registered (listed)
 - **NOTE:** Districts cannot be certified



Current SJ Status



Not registered? No problem! There is still time to get registered. It is free and easy. If you are at least in the process of registering by 11/5, your application will still be considered. However, if your not registered by the time the grant awards are decided, you will be unable to receive a grant.

Municipality

- Registration instructions [here](#)
- If you need assistance, contact Maureen Jones at info@sustainablejersey.com or at 609-771-2938

School District

- Registration instructions [here](#)
- If you need assistance, contact Véronique Lambert at schools@sustainablejersey.com or at 609-771-3427



Current SJ Status



Green Team Documentation

- Currently certified municipalities or districts with at least one certified school **DO NOT** need to provide this information
- Otherwise, we need the following green team documentation:
 - List of green team members including affiliations
 - Summary of green team activities (if newly formed, summary of planned activities)
- It is okay if your green team is the same as your project team.

Don't have a green team?
No problem—you can follow the instructions available [here](#) to create a school green team and [here](#) to create a municipal green team. If you are at least in the process of creating a green team by 11/5, your application will still be considered.
However, if do not have a green team by the time the grant awards are decided, you will be unable to receive a grant.



Energy Incentive Programs



- You must upload evidence that you reached out to any applicable energy incentive programs
- The availability of utility-sponsored incentive programs and how they relate to NJCEP programs varies by utility; please check with your local utility on current incentive programs.
- Questions regarding how to access existing incentive programs and the documentation required for the grant application can be directed to Nancy Quirk by email at quirkn@tcnj.edu or by phone at 609-771-2902.





Applying for Incentives



- Energy incentive(s) an applicant is currently applying for/has been awarded **must be included in project budget**
 - If not awarded the incentives, the project budget can be revised
 - If incentives are not applicable to the project, they are not required to be in the project budget
- Documentation of communications with the programs that state the applicant's eligibility for funding must be uploaded as part of the grant application

L. Incentive Programs

New Jersey's Clean Energy Program (NJCEP) Programs	
Program	Summary
Combined Heat & Power (CHP) & Fuel Cell	Funding for energy efficiency through on-site power generation and productive use of waste heat. Funding based on eligible technology and size (installed rated capacity).
Energy Savings Improvement Program	A state-facilitated funding mechanism used to finance energy efficiency upgrades at public institutions. Allows a public entity to use energy savings to pay for the cost of energy-related capital upgrades.
Local Government Energy Audit (LGEA)	Free ASHRAE Level 2 audit for local government buildings with a minimum 200kW monthly average peak demand.
New Construction (and Gut Renovation) Programs	Incentive programs for new construction and gut renovation projects that achieve energy savings beyond code requirements: SmartStart New Construction; Customer Tailored Programs; and Whole Building/Comprehensive (Pay for Performance).
For more information on NJCEP programs visit: www.NJCleanEnergy.com/muni , email Outreach@NJCleanenergy.com or call 866-657-6278	

Incentive Programs for Local Governments from Utilities

As of July 1, 2021, New Jersey utility companies are offering energy efficiency incentive programs, including:

Direct Install Program. Provides turnkey energy solutions for small business and local government customers.

Engineered Solutions. Provides tailored energy efficiency assistance to public service entities.

Equipment Rebates. Offers a wide range of pre-qualified "standard" measures with set incentive values.

Utility Incentive Programs (Note: Local governments are considered businesses)	
Utility	Webpage and Contact Info
Atlantic City Electric	Webpage , email EnergyEfficiency@atlanticcityelectric.com or call 866-353-0007
Elizabethtown Gas	Webpage , email ETGBusiness@appliedenergygroup.com or call 888-263-7372
Jersey Central Power & Light	Webpage , email energysaveni@firstenergycorp.com or call 800-662-3115
New Jersey Natural Gas	Webpage , email SAVEGREEN-Com@njng.com or call 877-455-6564
Public Service Electric & Gas	Webpage , email pseenergysaver@dnv.com or call 844-300-7734
Rockland Electric	Webpage , email DL-NJSaves@oru.com or call 877-434-4100
South Jersey Gas	Webpage , email SJGBusiness@appliedenergygroup.com or call 888-263-7372

EV and EV Charging Infrastructure Incentives	
Program	Summary
NJ BPU's Clean Fleet EV Incentive Program	Incentives for local government purchase of EVs and EV charging station(s)
NJ DEP's It Pay\$ to Plug In	Incentives for EV charging stations; charging stations may be installed at workplaces, public places, and multi-unit dwellings
NJ DEP Stop the Soot Grant	Incentives to replace diesel vehicles with electric and for eMobility projects
NJ EDA's NJ ZIP	Incentives for medium and heavy duty vehicles in select urban areas
Note: Utility companies are announcing EV incentives ongoing, check each utility website for up to date information. Incentives may include "make-ready" electric vehicle charging infrastructure (everything but the charging station).	
Atlantic City Electric Vehicle Program	PSE&G Electric Vehicle Charging Program
JCPL Electric Vehicle Program	Rockland Electric Company



Confirmation of Eligibility



From: Rivera, Kevin <KRivera@trcsolutions.com>
Sent: Wednesday, September 05, 2018 11:52 AM
To: [REDACTED]
Subject: RE: Eligibility question for Sustainable Jersey Gardinier Grant Program

This measure would not qualify for C&I incentives under the NJCEP.

*Kevin Rivera
Program Manager, Efficiency*



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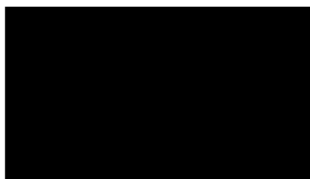
From: [REDACTED]
Sent: Wednesday, September 05, 2018 11:44 AM
To: directinstall@nicleanenergy.com
Subject: Eligibility question for Sustainable Jersey Gardinier Grant Program

Hello,

I am working with the [REDACTED] to prepare an application to the Sustainable Jersey Grants Program for Energy Initiatives funded by the Gardinier Environmental Fund. The Borough would like to install instant electric hot water heaters throughout its municipal buildings in order to reduce reliance on its oil fired furnace for hot water. The instant hot water heaters will be installed by each sink, and they will only be used when the hot water is turned on.

Can you assist me in determining whether this project would be eligible for any of the NJCEP incentive programs?

Thanks,
[REDACTED]



- An email to the applicable program using the contact information provided in Section L of the [Application Information Package](#)
- Confirmation of the dollar amount of the funding is **not** required. The documentation only needs to confirm whether or not the project is eligible to receive funding from any of the applicable incentive
 - Estimations are okay for the budget



Grant Authorization Doc



DEADLINE: Friday, December 3, 2021

Must name the specific Sustainable Jersey **grants cycle** (2021 Sustainable Jersey Grants Program funded by the Gardinier Environmental Fund), the requested **funding amount**, and the name of the **applicant**.

Municipality

- Must pass a resolution
 - [Template](#)

This resolution is DIFFERENT than the resolution required to register in the certification programs OR to establish a green team.

School District

- Can pass a resolution or submit a signed letter from the superintendent or BA
 - Resolution [Template](#)
 - Letter [Template](#)



Grant Awards



Grant recipients will be announced:

Mid-January 2022

Fifty percent (50%) of the grant funds will be disbursed at the beginning of the grant period.

The remainder will be transmitted upon completion of the grant funded activities and acceptance of the recipient's final report.



Contact Information



Zenon Tech-Czarny

Research and Project Specialist

czarnyz@tcnj.edu

(609) 771 - 2549



Kaitlyn Vollmer

Grants Program Coordinator

grants@sustainablejersey.com

(609) 771 - 3189

**Grant Applications
Due 11/5/21!**