





Energy Efficiency Stakeholder Meeting

August 15, 2024



- 1. Re-cap of Last Meeting
- 2. New Jersey Energy Efficiency Programs
- 3. Energy Efficiency Updates
 - NJCEP Updates
 - New Construction Program Update
 - Benchmarking Update
 - Inflation Reduction Act (IRA) Home Energy Rebates Update
 - Utility Updates
 - Regulatory Updates
 - Triennium 2 Filings Review
- 4. Guest Presentation Program Overviews: Community Energy Plan Grants and Implementation Grants
- 5. General Q&A
- 6. Items of Interest
- 7. Next Meetings



Recap of Last Month



July Monthly Recap

What we covered:

- ✓ NJCEP Updates
 - ✓ NJCEP New Construction Program
 - ✓ Community Energy Plan Grant / Community Energy Plan Implementation Grant Update
 - ✓ Benchmarking Update
 - Statewide Evaluator Update Behavioral Programs Finding & Technical Reference Manual
- ✓ Utility Updates
- ✓ Regulatory Updates
 - ✓ Triennium 2 Filings Review
- ✓ Guest Presentation: Building Weatherization Technology
- ✓ Q&A



New Jersey Energy Efficiency Programs

www.NJCleanEnergy.com/EEP

NJBPU and NJCEP Administered Programs



- · New Construction (residential, commercial, industrial, government)
- Large Energy Users
- Energy Savings Improvement Program (financing)
- State Facilities Initiative*
- Local Government Energy Audits
- Combined Heat and Power, & Fuel Cells

* State facilities are also available for utility programs

Utility Administered Programs



- · Existing Buildings (residential, commercial, industrial, government)
- Efficiency Products
 - Lighting & Marketplace
 - HVAC
 - Appliance Rebated
 - Appliance Recycling

NJBPU and NJCEP Administered Programs





New Jersey's Clean Energy Program

Energy Efficiency Updates



More NJCEP Information

Quarterly Newsletter:

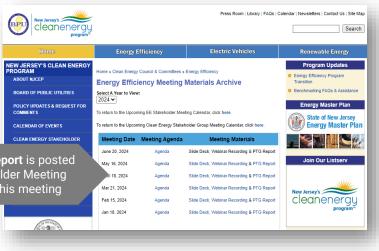
NJCleanEnergy.com/NEWSLETTER

Clean Energy Program Filings:

NJCleanEnergy.com/FILINGS

Clean Energy Program Monthly Progress to Goal Report: NJCleanEnergy.com/EE - Meeting Materials Archive

> **Progress to Goals Report** is posted with post-EE Stakeholder Meeting resources following this meeting



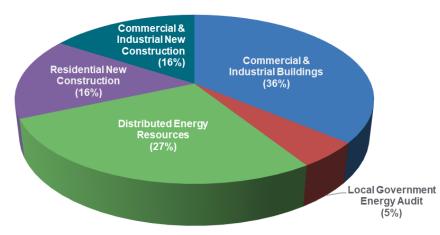


Budget Break-down by Program

FY25 TRC Managed Programs

First 6-month Incentive Budget:

\$107,050,446





Energy Efficiency Programs FY25

NJCEP

Closed

- Residential Products & HVAC
- Residential Existing Homes
- Direct Install

Closing Out

- C&I Buildings (existing buildings)
 - SmartStart Retrofit EB
 - Pay for Performance EB
- School & Small Business Stimulus Program (federally funded)

NJCEP/TRC Managed

Open

New Construction

Was: Residential New Construction, SmartStart New Construction, Pay for Performance New Construction, Customer Tailored Energy Efficiency Pilot New Construction

- Large Energy Users
- Local Government Energy
 Audit
- Distributed Energy Resources

BPU/Utility Managed

Open

Comfort Partners



Coming Soon: New Construction Program

ABOUT THE PROGRAM Three pathways to fit your needs to achieve greater energy savings

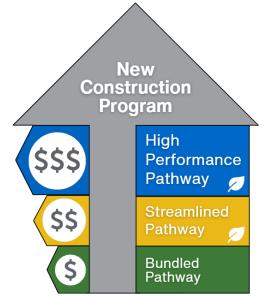
Based on selected pathways and size

WHO IS ELIGIBLE

INCENTIVES

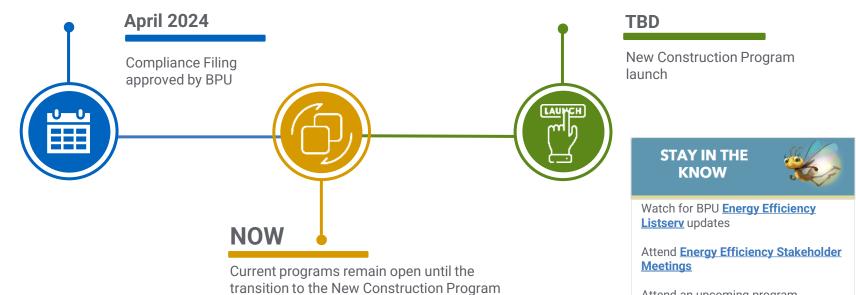
All new construction buildings or eligible major renovation projects

ADDITIONAL OPPORTUNITIES Incentives for energy efficiency beyond code requirements, encouraging greater energy savings





New Construction Program Timeline



Attend an upcoming program overview or **trade ally webinar** event for details



Benchmarking Update

- The submission deadline was July 1, 2024 for the current reporting year (2023)
- All building owners have a 90-day grace period to report by October 1, 2024
- A Helpdesk is available to answer questions about the benchmarking program and

Portfolio Manager

- To view frequently asked questions, submit a general inquiry or an exemption request, receive instructions for how to report, and obtain training resources and important updates: <u>https://nj.beam-portal.org/helpdesk/</u>
- To submit an inquiry to the Helpdesk, please visit: <u>https://nj.beam-portal.org/helpdesk/</u> and select "New Ticket"
- To respond to a previously submitted ticket or a received email, please email njbpubenchmarking@beamportal.org or call 888-533-4571



Inflation Reduction Act (IRA) HOMES Rebates

- New Jersey was allocated a combined \$183 million for the Home Efficiency Rebate (HER) and Home Electrification and Appliance Rebates (HEAR) through the Inflation Reduction Act.
- NJBPU submitted the Initial Application for the first tranche of funding (25%) on August 1, 2024. The Department of Energy (DOE) is currently reviewing the application.
- NJBPU plans to spend the grant on low income single family homes and multifamily buildings.
- The program is expected to launch in July 2025.



Utility Updates

Energy Efficiency Updates





Utility Updates

NJ Energy Efficiency Stakeholder Meeting

Ron Butch, JCP&L

on Behalf of The NJ Joint Utilities – August 15, 2024







Antitrust Statement

- The New Jersey Utilities are committed to full compliance with all laws and regulations as well as maintaining the highest ethical standards. We adhere to all federal and state antitrust laws.
- Coordination of Energy Efficiency programs by the utilities is in response to BPU requirements set forth in the 1st and 2nd triennium EE Framework Orders.
- The utilities do not engage in price fixing or any other anticompetitive behavior.

Utility Updates

- All utilities submitted their filings for the Second Triennium (1/1/2025-6/30/2027)
 - All utilities continue to work with the parties toward settlement
- Status of the Extension Requests for the First Triennium (to cover 7/1/2024-12/31/2024)
 - Extensions were approved for all Utilities.
- Joint Utility Contractor Calls
 - Next Residential HPwES contractor call scheduled for mid-October (TBD)
 - Next HVAC contractor call to be held in the fall

Appliance Recycling

- Utilities are restarting the appliance recycling program; some utilities have restarted the programs, and others will have the program up and running soon
- PSE&G relaunched its Appliance Recycling program on July 22, 2024

Community Events

- JCPL is participating in the following community events:
 - Home Depot Table Events 8/9 & 8/23/2024 (8/23 is at Lakewood-OBC)
- South Jersey Gas will be participating in the Downbeach Seafood Festival on September 14 & 15 in Ventnor
- New Jersey Natural Gas at the Blue Claws on August 15th and starting Energy Assistance Days (see separate slide)

Utility Updates

Current Campaigns

- PSE&G
 - External communications promoting the various smart thermostat sales on the PSE&G Marketplace
 - Bill inserts, Residential e-newsletter, Google Postcard, MyEnergy Postcard, MyEnergy Challenge Email, PSEG.com Homepage Banner, Social media on PSEG's Facebook, Instagram, and X accounts
- NJNG
 - Omnichannel marketing approach communicating promotion to residential customers using historical marketplace purchase data and propensity modeling for further personalization and segmentation.
 - Primary channels: marketplace banner, direct mail postcard, social ads, social posts, drip emails and customer newsletter
- ETG, and SJG are offering promotions on their Efficient Products marketplaces
 - www.elizabethtowngasmarketplace.com
 - <u>www.southjerseygasmarketplace.com</u>
- JCPL
 - Multiple marketing initiatives being implemented with a focus on all electric customers for the extension period only

New Jersey Natural Gas Primary Updates

NJNG x Sustainable Jersey Energy Outreach Technical Assistance Renewed

- Includes engagements that guide municipalities through completing a residential or commercial energy efficiency outreach campaign.
- Participants receive:
 - Technical assistance to plan and implement an energy efficiency outreach campaign.
 - Customized outreach materials (program signage, social media graphics, etc.)

Quick Home Energy Checkup+ (QHEC+) \$1 Promotion

•From June 12 through Sept. 30, 2024, NJNG customers can schedule a QHEC+ for \$1.

•Promotional channels:

- Email
- Bill insert and door hangers
- Direct mail
- Social media ads
- Publication advertising

Bonus Incentive:

Customers can take advantage of smart thermostat deals and have their new device installed for free during their QHEC+.

NJNG Updates

Starting Annual Energy Assistance Days

- Starting 25 days of local events throughout our service territory to help customers apply for Energy Assistance programs, Comfort Partners and the Moderate-Income Weatherization Program.
 - Representatives from NJNG and state-designated agencies guide customers through the eligibility and application process
- Events spread out through Monmouth, Ocean and Morris County. Specific dates, locations and times can be found <u>here</u> or follow NJNG on social media for more information and for posts that can be shared.



Regulatory - State & Federal

Energy Efficiency Updates



Triennium 2 Filings Review (Docket No. QO23030150)

- February 26, 2024 Presiding Commissioners' Orders
 - Summaries of proposed utility programs, budgets, cost recovery mechanisms
 - · Rulings on motions to intervene and participate
- New Jersey Natural Gas Company (Q023120868)
 - Intervenors: EEA-NJ, NJLEUC, NRDC, NJPEEC, Sierra Club
 - Participants: Uplight, Joint Utilities
- Elizabethtown Gas Company (Q023120869)
 - Intervenors: EEA-NJ, NJLEUC
 - Participant: Uplight, Joint Utilities
- South Jersey Gas Company (Q023120870)
 - Intervenors: EEA-NJ, NJLEUC
 - Participant: Uplight, Joint Utilities

- Atlantic City Electric Company (Q023120871)
 - Intervenors: EEA-NJ, NJLEUC
 - Participants: Convergent, CPower, Google, Uplight, Joint Utilities
- Jersey Central Power & Light Company (Q023120872)
 - Intervenors: EEA-NJ, NJLEUC
 - Participants: Convergent, CPower, Google, Joint Utilities
- Public Service Electric & Gas Company (Q023120874)
 - Intervenors: EEA-NJ, NJLEUC, NRDC, NJPEEC, Sierra Club
 - Participants: Convergent, CPower, Google, United, Uplight, Joint Utilities
- Rockland Electric Company (Q023120875)
 - Intervenor: EEA-NJ
 - Participant: CPower, Joint Utilities



Advanced Energy United (United), Convergent Energy and Power Inc. (Convergent), Energy Efficiency Alliance of NJ (EEA-NJ), Natural Resources Defense Council (NRDC), NJ Large Energy Users Coalition (NJLEUC), NJ Progressive Equitable Energy Coalition (NJPEEC)

Triennium 2 Filings Review (Docket No. QO23030150)

- Status:
 - Prehearing orders: procedural schedules, issues to be resolved
 - PSE&G: March 28
 - ACE, JCP&L, RECO: April 12
 - NJNG, SJG, ETG: April 23
- Further commissioner orders suspending procedural schedules during settlement: <u>https://www.nj.gov/bpu/agenda/presidingcommissionerorders.html</u>
- Settlement conferences (March–July 2024) budgets, programs, incentives
- Public hearings (May–June 2024)
- Board action (summer-early fall 2024)
- Triennium 2 starts January 1, 2025



Guest Presenter

Community Energy Plan Grants and Implementation Grants

Tracey Woods & Poornima Gupta, Sustainable Jersey





Community Energy Plan Grant (CEPG) Program

Energy Efficiency Stakeholder Group

August 15, 2024 The Energy Team at Sustainable Jersey

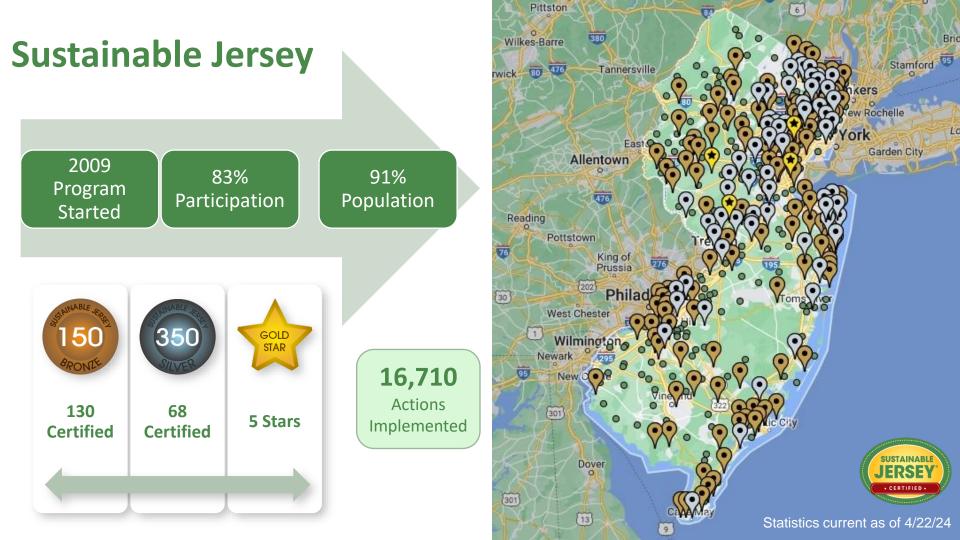
IG: Sustainable_Jersey | Twitter: @SJ_Program and @SJ_Schools | FB: @SustainableJersey | LinkedIn: sustainable-jersey

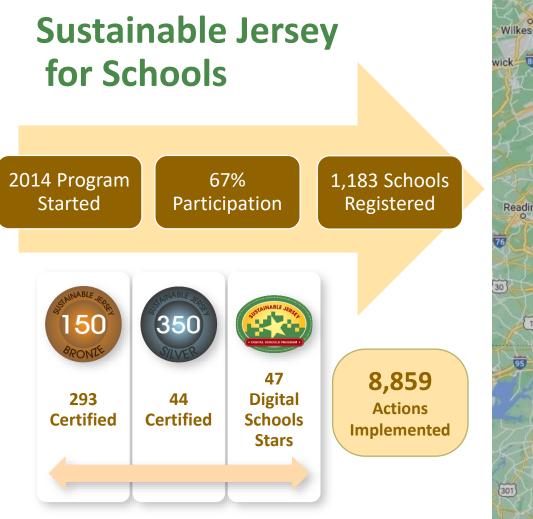




Agenda

- About Sustainable Jersey
- Overview of Community Energy Plan Grants (CEPG) Program
- Highlights from Program Year 2
- Sustainable Jersey Planning Resources and Technical Assistance for program awardees
- Bringing the benefits of Direct (Elective) Pay credits under Inflation Reduction Act (IRA) tax to municipalities and school districts



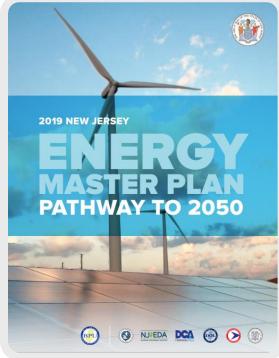






Community Energy Plan Grants Program

- □ Funding program by the New Jersey's Board of Public Utilities (NJBPU)
- To support all NJ municipalities in developing community-level energy plans that align with the strategies in New Jersey's Energy Master Plan
- □ Two planning grant award levels:
 - All New Jersey municipalities eligible for \$10,000 grant
 - Overburdened municipalities eligible for \$25,000 grant
- Sustainable Jersey, as a partner with the BPU Office of Clean Energy Equity, will provide technical assistance for the program





What is Community Energy Planning?

- Municipal team and relevant community stakeholders identify energy initiatives of interest to the municipality
- □ The team develops the Community Energy Plan (CEP), detailing
 - Past energy accomplishments
 - Community energy usage data
 - Strategies and plans for future initiatives
- □ Community Energy Plans typically include initiatives in:
 - Transportation
 - Renewable energy
 - Energy efficiency
 - Energy equity
 - and more



SUSTAINABLE JERSEY • CERTIFIED •

CEP Potential Initiatives

Strategy 1: Reduce Energy Consumption and Emissions from the Transportation Sector

- 1.1 Adopt Supportive Zoning and Regulations for EV Infrastructure 1.2 Train First Responders on EVs and EVSE
- 1.3 Train Non-Emergency Staff on EVs and EVSE
- 1.4 Purchase Alternative Fuel Vehicles
- 1.5 Improve Municipal Fleet Efficiency
- 1.6 Install Public EV Charging Infrastructure
- 1.7 Encourage Non-Municipal Fleets to Improve Efficiency
- 1.8 Encourage Workplace EV Charging Infrastructure
- 1.9 Community EV Outreach
- 1.10 Anti-Idling Enforcement

Strategy 3: Maximize Energy Efficiency and Conservation and Reduce Peak Demand

Strategy 2: Accelerate Deployment of Renewable Energy and Distributed Energy Resources

2.1 Adopt Supportive Zoning and Permitting for Private Solar
2.2 Post Solar Permitting Checklist
2.3 Train First Responders on Solar
2.4 Train Non-Emergency Staff on Solar
2.5 Install On-Site Municipal Renewable Generation
2.6 Buy Renewable Energy for Municipal Facilities
2.7 Offer an Employee Benefit Solar Purchasing Program
2.8 Institute a Solar Purchasing Outreach Program
2.9 Implement Renewable Government Energy Aggregation (R-GEA)
2.10 Support Community Solar as Project Ambassador
2.11 Support Community Solar Project on Municipal Property

3.1 Upgrade Energy Efficiency for Municipal Facilities
3.2 Residential Energy Efficiency Outreach Campaign
3.3 Commercial Energy Efficiency Outreach Campaign
3.4 Conduct Energy Efficiency Outreach to Large Energy Users

Continued...



CEP Potential Initiatives

7.1 Adopt Energy Storage Policies7.2 Install an Energy Storage System

7.4 Develop/Participate in a District Energy System

7.3 Develop Local Microgrid

Strategy 4: Reduce Energy Consumption and Emissions from the Building Sector

- 4.1 Implement a Green Building Policy
- 4.2 Construct New Municipal Buildings as Model Green Buildings
- 4.3 Encourage Benchmarking and Commissioning for Existing Buildings
- 4.4 Require Developers to Complete Green Development Checklist
- 4.5 Conduct Outreach Targeting New Construction in the Community

Strategy 7: Expand the Clean Energy Innovation Economy

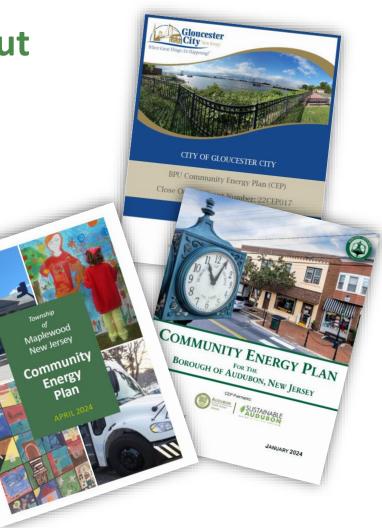
Strategy 6: Support Community Energy Planning and Action with an Emphasis on Encouraging and Supporting Participation by Low- and Moderate-Income and Environmental Justice Communities

- 6.1 Make Community Energy Planning Inclusive
- 6.2 Conduct Energy Efficiency Outreach to Low- and Moderate-Income Residents
- 6.3 Support Shared Mobility Programs
- 6.4 Support Low- and Moderate-Income Community Solar Subscriptions
- 6.5 Conduct Energy Efficiency Outreach to Community-Serving Institutions

What Does a Municipality Get Out of a CEP?

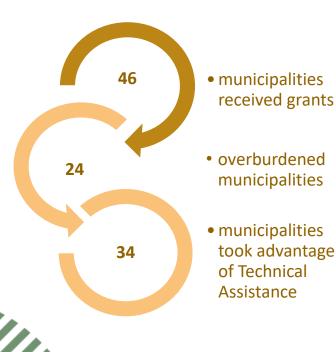
- □ Better understanding of how energy is used in community
- Consolidated list of municipality's past energy accomplishments
- Clear, agreed upon set of energy initiatives to be implemented in the next 3-5 years
- Information on funding opportunities to complete selected initiatives
- Having a complete Community Energy Plan may open up additional funding options (e.g. NJBPU's CEP Implementation grant)
- completing your CEP can earn you 10 points in the SJ certification program

Right: Screenshots of Community Energy Plans from Program Year 2





Program Year 2 (2023-4) Highlights





Above: Tracey Woods, Sustainable Jersey; Mayor Andre Sayegh of Paterson with newly appointed members of the Paterson CEP Team.

Right Top: Tracey Woods, Sustainable Jersey; Charnette Frederic, councilwoman for Irvington doing CEP stakeholder engagement at the Haitian New Years Day Celebration.





Right Bottom: Maplewood's CEPG Team in action; members of the elected body, staff, and volunteers.



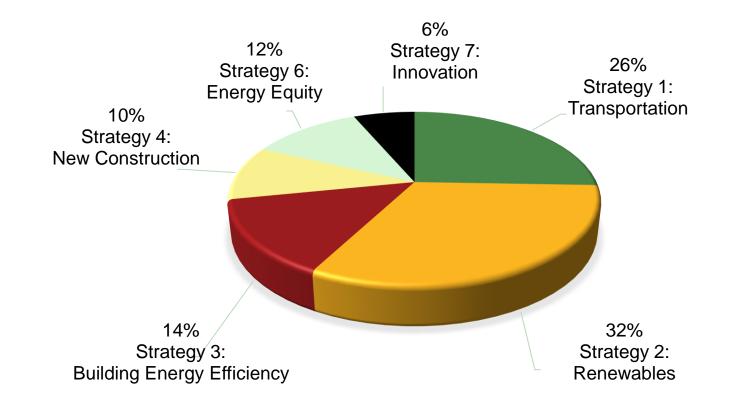
CEPG program year 2 awardees by county

| | Atlantic – 3 | 11. Mercer – 1 |
|----------|----------------|-------------------|
| | Bergen – 2 | 12. Middlesex – 3 |
| 5. | Burlington – 2 | 13. Monmouth - 3 |
| | Camden – 5 | 14. Morris - 2 |
| . | Cape May – 5 | 15. Ocean - 1 |
| . | Cumberland – 1 | 16. Passaic - 2 |
| ΄. | Essex – 4 | 17. Salem - 1 |
| 3. | Gloucester – 1 | 18. Somerset - 1 |
|). | Hudson – 4 | 19. Union - 3 |
| 0. | Hunterdon – 1 | 20. Warren - 1 |
| | | |
| | | |

Park Ridge Prospect Park Boro Morris Plains Paterson Garfield City of Orange Flemington Highlands New Brunswick Plainfield Delran New Jersey Asbury Park Lindenwold Penns Grove Brick Twp Paulsboro Evesham Gloucester Twp, Camden Woodbine Boro Egg Harbor Plainfield City Cape May Point Boro North Wildwood Wildwood City

State of New Jersey Participant of PY2 - Over-burdened municipality Participant of PY2 - Non-over-burdened municipality Participant from PY1



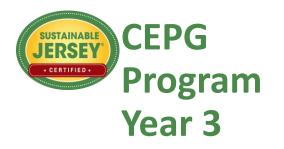




Community Energy Plan Implementation (CEPI) Grant Program Year 1

- 18 projects in 16 municipalities have been awarded grants under the Community Energy Plan Implementation (CEPI) Grant for program year 1.
- For more details please see the **Board Order**.





92 municipalities in New Jersey
including 15 overburdened
municipalities are to receive
Community Energy Plan Grant
(CEPG) in program year 3.

State of New Jersey Participant of PY3 - Over-burdened municipalities Participant of PY3 - Non-over-burdened municipalities





SJ Technical Assistance Resources -

- Sustainable Jersey Data Center
- Guide for Sustainable Energy Communities
- Workplan Template
- Model Community Energy Plan
- Community Energy Planning Guide and RFP Template
- Technical Assistance



Community Energy Plan Resources

Community energy plans are short-range plans created by municipalities to identify energy initiatives to increase clean energy production, reduce energy use, and cut greenhouse gas emissions across an entire community.

New Jersey Board of Public Utilities created a <u>Community Energy Plan Grant</u> <u>[CEP6] program</u> to help New Jersey municipalities in developing a community energy plan. Sustainable Jersey has an array of resources to support the creation of community energy plans.

Community Energy Plan Resources

Community Energy Planning Guide with RFP Template for Energy Consultants

This document provides an overview of the community energy planning process. The document also includes guidance and a template RFP for using consultants for community energy planning.

Community Energy Plan Workplan Template

Workbook for selecting and prioritizing energy initiatives. This document is available in two formats: Writeable PDF - <u>click here</u> Google sheet - <u>click here</u>

Guide for Sustainable Energy Communities Case studies, best practices, and descriptions of energy initiatives

<u>Model Community Energy Plan</u> Sample CEP for the fictional town of Gotham, NJ For a Microsoft Word version, click here

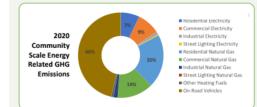
Creating a CEP: Resources and Technical Assistance Webinar, 2021 Slideshow presentation, click <u>here</u>



Sustainable Jersey Data Center

Sustainable Jersey Data Center

Comprehensive municipal data and interactive maps for all New Jersey municipalities, including transportation, energy usage, residential, and other data.



Above is a community GHG emissions by sector chart created by compiling data from electric and natural gas utilities, and transportation planning authorities. Visit the data center to download this chart and additional data for your community.

Grants and Free Technical Assistance

Visit the Sustainable Jersey <u>Community Energy Planning webpage</u> to learn about current funding opportunities.

Your municipality is eligible for free technical assistance to develop applications and create a community energy plan. Contact info@sustainablejersey.com to learn about available technical assistance.

Need help? Email info@sustainablejersey.com.

Screenshot of Sustainable Jersey CEP Resource Sheet www.sustainablejersey.com/fileadmin/media/Grants_and_Resources/Small_Grants/CEPG/CEPG_Resource_Page.pdf



New

for 204

Data Center

The Sustainable Jersey Data Center provides sustainability-related data and maps for Green Teams, municipal staff, and researchers. Select data is prepared by Sustainable Jersey, whereas others are links to external resources.



- General Key datasets include...
 - Community Profile Data by Municipality
 - Electric and Gas Usage by Sector
 - Solar Installation Data
 - Energy Efficiency Program Participation
 - Community-Scale Greenhouse Gas (GHG) Emissions

| Sustainable Jersey Data Resources | New Jersey State Data Resources | | 8.90% | Values Residential Electricity Commercial Electricity Industrial Electricity |
|--|---|--------|--------|---|
| View data files and interactive maps prepared by Sustainable Jersey. | View links to external state resources such as New Jersey's Clean Energy Program and the New Jersey Department of Environmental Protection. | -22.85 | 15.02% | Street Lighting Electric Residential Natural Ga Commercial Natural Industrial Natural Gas Street Lighting Natura Other Heating Fuels |
| View Resources | View Resources | | 12.02% | On-Road Vehicles |

2020 Community-Scale Energy-Related GHG Emissions

by Sector and Energy Type (MT CO2e)

| En | cel Community_Profile_D | ata_by_Munic | ipality_8_20231 View-only ~ | | | | | | ₽ Search | (At + Q) | | | | | | | | | | | | | |
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| | | | a by municipality | | | | | | | | | | | | | | _ | | | | _ | | _ |
| 2 | Further explanation on Not | | | Year 1 | | | | | | | | Ion Characteris Househol - | | | | | | C& Properties | | | Housing Chara | | _ |
| | Municipality - | County - | Muni and County - | Year _ | Squar - | Populati - | % Whit- | % BitC - | % Asiar - Pacific | % Othe - | % Hispan - or Latino | Househol - | Median - Household | Percent d - Population in | Low and - Moderate | MRI Score* | NI DC - | Commercial (| Total Housi | Total - | % Occupie - | | |
| 3 | | | | | Miles | | | | Islander. | | | | Income | Population in Poverty | Income* | MRI Score* | MKI Kank | | UNB- | Occupied | nousing units | Owner-occupi ed | Rent |
| - | | | | | | | | | | | Origin* | | | | income. | | | Properties (2018 | | Housing Units | | | - |
| | Aberdeen township | Monmouth | Aberdeen township, Monmouth | 2015 | 5. | | 75% | 12% | 7% | 7% | 9% | 6,808 | | 6.7% | | 22 | 326 | 187 | 7,191 | 6,808 | | 76% | |
| | | Monmouth | Aberdeen township, Monmouth | 2020 | 5. | | 77% | 9% | 7% | 7% | 13% | 7,822 | \$108,132 | | | 20 | 389 | 187 | 8,072 | 7,823 | 97% | 76% | |
| | | Atlantic | Absecon city, Atlantic | 2015 | 7. | | 81% | 5% | 6% | 8% | 11% | 3,259 | | | | 38 | 108 | 188 | | | | 84% | - |
| | | Atlantic | Absecon city, Atlantic | 2020 | 7. | | 68% | 12% | 6% | 14% | 17% | 3,109 | | | | 38 | 118 | 188 | 3,542 | 3,105 | | 79% | |
| | | Hunterdon | Alexandria township, Hunterdon | 2015 | 27. | | 97% | 0% | 2% | 0% | 0% | 1,641 | \$130,262 | | | 12 | \$16 | 36 | | 1,641 | 00% | 99% | - |
| | | Hunterdon | Riexandria township, Hunterdon | 2020 | 27. | | 96% | 0% | 2% | 0% | 1% | 1,766 | | | | 17 | 439 | 36 | | | | 88N | |
| | | Warren | Allamuchy township, Warren | 2015 | 20. | | 93% | 1% | 495 | 2% | 5% | 2,049 | | 4.0% | | 16 | 456 | 19 | | | 95% | 89% | |
| 11 | | Warren | Allamuchy township, Warren | 2020 | 20. | | 89% | 7% | 3% | 1% | 6% | 2,195 | | | | 18 | 415 | 19 | | 2,195 | | 87% | |
| | | Bergen | Allendale borough, Bergen | 2015 | 3. | | 84% | 1% | 12% | 2% | 5% | 2,211 | \$140,331 | 4.0% | | 12 | 515 | 65 | | | 91% | 88% | |
| | | Bergen | Allendale borough, Bergen | 2020 | 3. | | 80% | 1% | 15% | 4% | 2% | 2,235 | \$157,958 | | | 10 | \$44 | 65 | | | 92% | 77% | |
| | | Monmouth | Allenhurst borough, Monmouth | 2015 | 0. | | 92% | 0% | 2% | 6% | 5% | 207 | \$83,155 | 3.5% | | 17 | 442 | 27 | | | 60% | 60% | |
| 15 | | Monmouth | Allenhurst borough, Monmouth | 2020 | 0. | | 87% | 1% | 2% | 10% | 5% | 191 | | | | 13 | 510 | 27 | | | | 65% | |
| | | Monmouth | Allentown borough, Monmouth | 2015 | 0. | | 92% | 3% | 1% | 4% | 2% | 695 | | | | 19 | 407 | 39 | | | | 77% | |
| | | Monmouth | Allentown borough, Monmouth | 2020 | 0. | | 89% | 7% | 0% | 4% | 4% | 676 | | 2.8% | | 17 | 440 | 39 | | 676 | | 77% | 1 |
| 18 | | Salem | Alloway township, Salem | 2015 | 33. | | 94% | 3% | 0% | 3% | 2% | 1,213 | \$73,586 | 5.4% | | 25 | 290 | 34 | | 1,213 | | 87% | |
| | | Salem | Alloway township, Salem | 2020 | 33. | | 90% | 5% | 2% | 4% | 3% | 1,203 | \$86,583 | 3.1% | | 28 | 249 | 34 | | | 93% | 89% | |
| | an an | Warren | Alpha borough, Warren | 2015 | 1. | 7 2,272 | 94% | 4% | 0% | 1% | 5% | 950 | \$58,804 | 9.6% | | 33 | 158 | 70 | 1,025 | 950 | 93% | 70% | |
| | porough | Warren | Alpha borough, Warren | 2020 | 1.1 | | 91% | 0% | 195 | 7% | 8% | 945 | \$75,612 | 4.5% | | 23 | 173 | 70 | 1,053 | 945 | | 66% | |
| | | Bergen | Alpine borough, Bergen | 2015 | 6. | | 62% | 7% | 28% | 2% | 6% | 575 | | | | 17 | 425 | 18 | | 575 | | 87% | |
| | | Bergen | Alpine borough, Bergen | 2020 | 6. | | 61% | 3% | 32% | 3% | 7% | \$18 | | 6.2% | | 15 | 466 | 18 | | \$15 | | 88N | |
| | | Sussex | Andover borough, Sussex | 2015 | 10 | | 94% | 2% | 0% | 4% | 10% | 273 | | 4.4% | | 25 | 265 | 58 | | 273 | 92% | 77% | |
| | | Sussen | Andover borough, Sussex | 2020 | 1 | | 90% | 2% | 2% | 6% | 1% | 261 | \$64,844 | 3.6% | Yes | 27 | 253 | 58 | | 263 | | 59% | |
| | | Sussex | Andover township, Sussex | 2015 | 20. | | 92% | 4% | 2% | 2% | 6% | 1,971 | \$103,598 | 3.9% | | 20 | 375 | 144 | | | 91% | 84N | |
| | | Sussex | Andover township, Sussex | 2020 | 20. | | 91% | 2% | 5% | 2% | 1% | 2,076 | \$113,947 | 4.9% | | 25 | 298 | 144 | 2,198 | | 94% | 91% | 1 |
| | | Monmouth | Asbury Park city, Monmouth | 2015 | 1 | | 39% | 47% | 0% | 14% | 32% | 6,793 | | | Tes | 61 | 20 | 378 | 8,268 | 6,793 | | 20% | |
| | | Monmouth | Asbury Park city, Monmouth | 2020 | 1 | | 42% | 42% | 2% | 13% | 17% | 7,185 | \$\$3,655 | 22.5% | Yes | 59 | 23 | 378 | 8,463 | 7,185 | 85% | 27% | |
| 30 | Atlantic City city | Atlantic | Atlantic City city, Atlantic | 2015 | 15 | 9 39,547 | 36% | 39% | 17% | 9% | 26% | 15,633 | \$25,737 | 36.9% | Yes | 92 | 3 | 1,483 | 19,934 | 15,633 | 78% | 27% | |
| 31 | Atlantic City city | Atlantic | Atlantic City city, Atlantic | 2020 | 15. | | 26% | 32% | 1696 | 26% | 33% | 15,775 | \$29,526 | 35.2% | Yes | 90 | 3 | 1,483 | 20,664 | 15,775 | 76% | 28% | |
| 32 | Atlantic Highlands borough | Monmouth | Atlantic Highlands borough, Monmo | | 1 | | 91% | 3% | 2% | 3% | 4% | 1,853 | \$88,024 | 6.4% | | 21 | 356 | 94 | | 1,853 | 93% | 79% | |
| 33 | Atlantic Highlands borough | Monmouth | Atlantic Highlands borough, Monmo | 2020 | 1 | 4,312 | 96% | 0% | 156 | 3% | 7% | 1,829 | \$103,712 | 3.6% | | 20 | 386 | 94 | 1,948 | 1,825 | 94% | 74% | |
| 34 | Audubon borough | Camden | Audubon borough, Camden | 2015 | 1 | \$ 8,772 | 96% | 2% | 0% | 1% | 2% | 3,530 | \$79,000 | 5.6% | | 26 | 255 | 157 | 3,722 | 3,530 | 93% | 75% | 1 |
| 25 | Audubon borough | Camden | Audubon borough, Camden | 2020 | 1 | 5 8.656 | 92% | 5% | 0% | 256 | 3% | 3.304 | \$90,335 | 2.3% | | 23 | 320 | 157 | 3.474 | 3.304 | 95% | 70% | |





Sustainable Jersey Guide for **Sustainable Energy** Communities



How municipalities can help

1.1. Supportive Zoning for EV Infrastructure

Municipalities can facilitate adoption of electric vehicles (EVs) by reducing barriers to charging infrastructure installation. Municipalities should adopt the Model Statewide Municipal Electric. Vehicle Ordinance, which became effective in all municipalities in September 2021. The Model Statewide Ordinance established electric vehicle charging stations (EVSE) as a permitted accessory use and set requirements for Make-Ready and EVSE parking in new multifamily and mixed-use developments and parking lots. While those aspects of the Ordinance cannot be modified, the "Reasonable Standards" section of the Model Ordinance (which covers standards for accessibility, safety, signage, usage fees, and parking enforcement) is intended to be modified through the normal ordinance amendment process. Municipal boards should set these standards to ensure beneficial installation and use of EV charging infrastructure in the community.

Inspectors and zoning-related staff can be trained on EV infrastructure to help them enforce regulations and promote electric vehicles in their work. Popular training sources include the <u>Electric Vehicle Infrastructure</u>. <u>Training Program and Department of Energy</u>. <u>Clean Cities program</u>.

1.2. Public EV Charging Infrastructure

Public electric vehicle charging infrastructure is critical to encouraging widespread adoption of electric vehicles (EVs). Research has shown that charging availability is directly correlated with electric vehicle deployment (Howard et al.). EV chargers reduce "range anxiety," a concern of EV users that they will become stranded because of an empty battery. Public chargers can instill confidence in local residents and commuters about traveling locally in EVs, and even attract visitors or new residents who drive EVs.

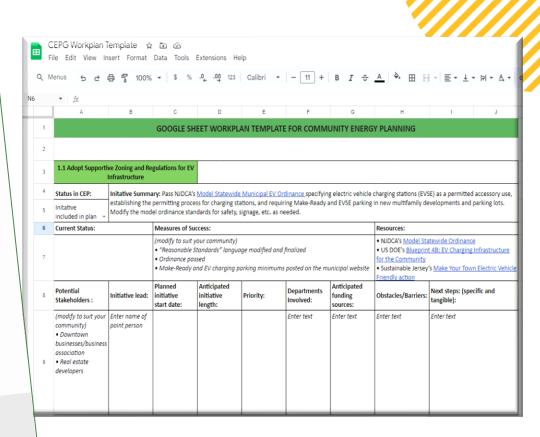
Funding for electric vehicle charging infrastructure may be offered by state and federal programs. Currently, the New Jersey Department of Environmental Protection (NJDEP) offers grants for EV chargers through the <u>It PayS to Plug In</u> program. Electric utility companies also provide incentives for charging station installation, including upgrades to the infrastructure that connects charging stations to the grid (see <u>Section 12.2</u>).

Typically, municipalities promote the installation of public charging stations in one of three ways:

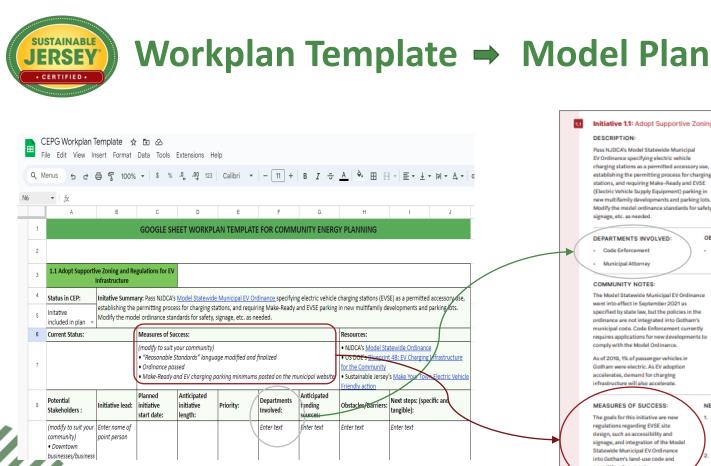
- Municipality owns and operates the EV infrastructure and deploys it on municipal property, typically a public parking lot or municipal street-side parking. The municipality may fund the project through its capital budget and recover costs by charging a fee for parking or providing other services (such as advertising). Fees for electric vehicle charging stations are generally recommended, even if utilization rates are low, as use (and corresponding electricity costs) of the charging stations will likely rise over time.
- Municipality works with a "sponsoring partner," which funds the purchase and installation of a charger on municipal property. The sponsoring partner may justify the costs as part of a public relations strategy, a customer acquisition/retention

A SUSTAINABLE JERSEY GUIDE

Community Energy Plan Workplan Template







Initiative 1.1: Adopt Supportive Zoning and Regulations for EV Infrastructure

DESCRIPTION:

Pass NJDCA's Model Statewide Municipal EV Ordinance specifying electric vehicle charging stations as a permitted accessory use, establishing the permitting process for charging stations, and requiring Make-Ready and EVSE (Electric Vehicle Supply Equipment) parking in new multifamily developments and parking lots. Modify the model ordinance standards for safety, signage, etc. as needed.



- DEPARTMENTS INVOLVED:
- No significant barriers were identified

Municipal Attorney

COMMUNITY NOTES:

The Model Statewide Municipal EV Ordinance went into effect in September 2021 as specified by state law, but the policies in the ordinance are not integrated into Gotham's municipal code. Code Enforcement currently requires applications for new developments to comply with the Model Ordinance.

As of 2019, 1% of passenger vehicles in Gotham were electric. As EV adoption accelerates, demand for charging infrastructure will also accelerate.

MEASURES OF SUCCESS:

The goals for this initiative are new regulations regarding EVSE site design, such as accessibility and signage, and integration of the Model Statewide Municipal EV Ordinance into Gotham's land-use code and permitting documents.

2015 3,394 17 .5% 2019 3.519 35 1%

Table 2. Vehicles and Electric Vehicles in Gotham Source: Sustainable Jersey. Community Profile Data by Municipality

NEXT STEPS: Elected representative directs municipal attorney to add

- Gotham-specific information to Model Statewide Municipal EV Ordinance and edit the "Reasonable Standards" section to fit municipal needs.
- Elected representative introduces ordinance to elected body for review and approval.
- 3. Township Administrator works with code official to post permitting application and inspection processes on the municipal website.

Vehicles and Electric Vehicles in Gotham Year Estimated Total # of Passenger Vehicles EVs Updated Electric

2

The Township of Gotham's Community Energy Plan



I. Introduction

Gotham Township is committed to addressing climate change and reducing greenhouse gas emissions. This Community Energy Plan details the specific strategies Gotham will pursue in the coming years to reduce greenhouse gas emissions from the local energy system. The plan covers municipal operations such as the municipal vehicle fleet and buildings, as well as public policies and programs designed to support the community in reducing emissions.

Gotham Township ratified this Community Energy Plan on April 19, 2023. During the creation of this plan, the township provided several opportunities for public input, taking care to enable low- and moderateincome residents to participate. In-person and virtual public comment sessions were held at different times of day to accommodate different work schedules.

Co-benefits of Sustainable Energy

The sustainable energy transition offers an opportunity to realize various co-benefits in our community and beyond. Besides reducing GHG emissions, implementing this plan will improve:

- > Public health
 - Lower concentrations of ground-level outdoor air pollutants
 - > Removal of indoor air pollution sources
- Social equity
 - > Better, affordable transportation
 - More affordable renewable energy
- Resiliency
 - > More dependable electric grid
 - > Decreased reliance on imported energy

Starting in July 2022, the Gotham Environmental Commission and green team began reviewing the Sustainable Jersey Guide for Sustainable Energy. Communities and Community Energy Plan Workplan Template and meeting with municipal staff to determine how to prioritize and implement the high-impact initiatives. Relevant community data was gathered from the <u>Sustainable Jersey Data</u>. Center: The Environmental Commission presented the draft Community Energy Plan at public meetings on November 15, 2022 and February 4, 2023. The final Community Energy Plan was adopted by municipal resolution on April 19, 2023.

Gotham Township's Community Energy Plan establishes how the municipality will promote the transition to sustainable energy over the next several years. Initiatives were selected based on demonstrated effectiveness, unique local opportunities, and co-benefits for the community as a whole, such as improved local air quality, energy savings for residents, and workforce development.

Climate change is one of the greatest threats to our future prosperity in Gotham, and globally. New Jersey is both a significant source of greenhouse gas (GHG) emissions and a state particularly vulnerable to climate change. Increasing heat waves, intense storms, and sea-level rise caused by climate change will dramatically alter our coastal state for many years to come (NJDEP, Scientific Report on Climate Change).



Community Energy Planning Guide

with Model RFP Template for Consultant Services*

July 2022

Model RFP Template

NOTE: Sections in *green italics* are suggested text and should be deleted before the RFP is issued. Download a fillable version of the Model RFP Template <u>here</u>.

REQUEST FOR PROPOSALS FOR <MUNICIPALITY NAME> ENERGY-RELATED CONSULTANT SERVICES FOR <MUNICIPALITY>'S COMMUNITY ENERGY PLAN

GENERAL INFORMATION AND SUBMISSION REQUIREMENTS

1.1 <Municipality>, <County>, NJ is requesting proposals from consultants to provide support for the creation of <Municipality>'s Community Energy Plan. As a recipient of a Community Energy Plan Grant, the municipality is soliciting for <state in plain language the municipality's needs, e.g., "project management for creation of the municipal Community Energy Plan" or "electric vehicle charging station infrastructure plan for Town Hall">. All submitted proposals for planning services shall be in accordance with the attached requirements.

1.2 The RFP package is available at <Location/URL> as of <date>. Please submit proposals no later than <time and date> to the following address: Name: Name of Municipality: Address of Municipality:

In addition to submitting a hard copy please submit an electronic copy of the full proposal to:

<Instructions for electronic submittal>

All inquiries should be directed to:

| Name: | Title: |
|-------------------|--------|
| Address: | |
| Telephone number: | Email: |

1.3 All proposal prices submitted in response to this RFP must remain firm for sixty (60) days following the proposal due date.

1.4 The municipality reserves the right to cancel this RFP, or reject in whole or in part any and all proposals, if the Municipality determines that cancellation or rejection serves the best interests of the Municipality.



Bringing the benefits of **Direct (Elective) Pay credits** under Inflation **Reduction Act** (IRA) tax

Direct Pay/Elective Pay:

- Allows tax-exempt and governmental entities to receive payment equal to tax credits for qualifying clean energy projects
- Not a competitive grant or a loan program
- Direct Pay is currently authorized for 10 years
- Entities file in tax year project is completed

Disclaimer: These slides give a general overview of some Inflation Reduction Act tax provisions and are for informational purposes only. They are not meant to be tax guidance.



| Eligible Projects | Eligible Projects | Base Tax Credits |
|--|--|---|
| EVs and EV Charging Equipment | Replace existing municipal vehicle fleet with new electric vehicles and associated charging infrastructure | Up to \$7,500 per light vehicle Up to \$40,000 per larger vehicle Up to 30% for eligible EV charging equipment (non-urban and low-income) |
| Investment Tax Credit (Most municipal and school renewable energy projects fall into this category.) | solar, geothermal, small wind, energy storage, fuel cells, biogas, microgrid controllers, and combined heat and power properties | Typically 30% of costs |
| Production Tax Credit | wind, biomass, geothermal, solar, small irrigation, landfill and trash, hydropower, marine and hydrokinetic energy | Varies by project type Full list of Direct Pay eligible tax credits at irs.gov/pub/irs-pdf/p5817g.pdf. |



| Adders are | tax credits t | | baso tax | |
|------------|--------------------------------------|---------------------------------|--|--|
| Content | Prevailing | layered onto credits | | |
| Bonus | Wage and Apprentices hip (PWA) | Energy Communitie s Bonus | Low-Income Communities Bonus Credit Program (LICB) | |

| Example | | |
|--|-----|--------|
| Eligible project cost | \$1 | 00,000 |
| Base Incentive – 30% | -\$ | 30,000 |
| Adders: | | |
| Domestic Content bonus | -\$ | 10,000 |
| Low-Income Communities Bonus Credit Program | -\$ | 10,000 |
| Cost to Entity | \$ | 50,000 |





Direct Pay can be used in combination with other funding sources as long as total incentive does not exceed total project cost.

Example

| Lightweight EV | \$24,000 |
|--------------------------|----------|
| NJ BPU Clean Fleet Grant | -\$4,000 |
| Direct Pay Tax Credit | -\$7,500 |
| Total cost to entity | \$12,500 |

Sustainable Jersey Energy Technical Assistance can help identify funding to use in combination with Direct Pay.

To request a technical assistance consultation, paste the following link to your browser and access the signup form

bit.ly/SJEnergyTARequestForm





Direct Pay will be available for at least ten years

□ Entities typically must be sole owner of project

- Plan with Direct Pay in mind, consider rethinking:
 - Solar/renewables Power Purchase
 Agreements (PPAs) and other leasing models
 - EVs vehicle leasing
 - EV Charging partnerships

Right: Runnemede EV charging station

Below: Oradell EV charging station













Clean Energy Group What Nonprofits Need to Know When Applying for Direct Pay www.cleanegroup.org/wp-content/uploads/Direct-Pay-Guide.pdf

Environmental and Energy Study Institute Direct Pay: Nonprofits Can Now Benefit from Clean Energy Tax Credits www.eesi.org/articles/view/direct-pay-nonprofits-can-now-benefitfrom-clean-energy-tax-credits

Lawyers for Good Government Clean Energy Tax Navigator tool https://cleanenergytaxnavigator.org/

U.S. Department of Energy *Elective Pay for Clean Energy Tax Credits* <u>https://www.energy.gov/sites/default/files/2024-08/</u> <u>Elective_Pay_Fact_Sheet_Territories_073124.pdf</u> Join Sustainable Jersey's webinar on Direct Pay resources for New Jersey municipalities and school districts.

Date: September 24th 2024 **Time:** 12:00 – 1:00 pm <u>REGISTER</u>



Thank You

The Energy Technical Assistance Team Tracey Woods | Poornima Gupta woodst@tcnj.edu | guptap@tcnj.edu

IG: Sustainable_Jersey | Twitter: @SJ_Program and @SJ_Schools | FB: @SustainableJersey | LinkedIn: sustainable-jersey



To submit questions in advance for next month: EnergyEfficiency@bpu.nj.gov



Items of Interest



Next Meeting







3rd Thursday of the Month, 1:00 - 2:30 pm

✓ September 19, 2024

- ✓ October 17, 2024
- ✓ (No November meeting)
- ✓ December 19, 2024



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