



# Energy Efficiency Stakeholder Meeting

August 17, 2023

# Agenda

1. Re-cap of Last Meeting
2. New Jersey Energy Efficiency Programs
3. Energy Efficiency Updates
  - NJCEP Updates
    - New Construction Program Update
    - Benchmarking Update
  - Utility Updates
  - Regulatory Updates
    - NJ Triennium 2 EE Framework
4. Guest Presentation: Federal Energy Efficiency Funding
5. General Q&A
6. Items of Interest
7. Next Meetings



# Recap of Last Month



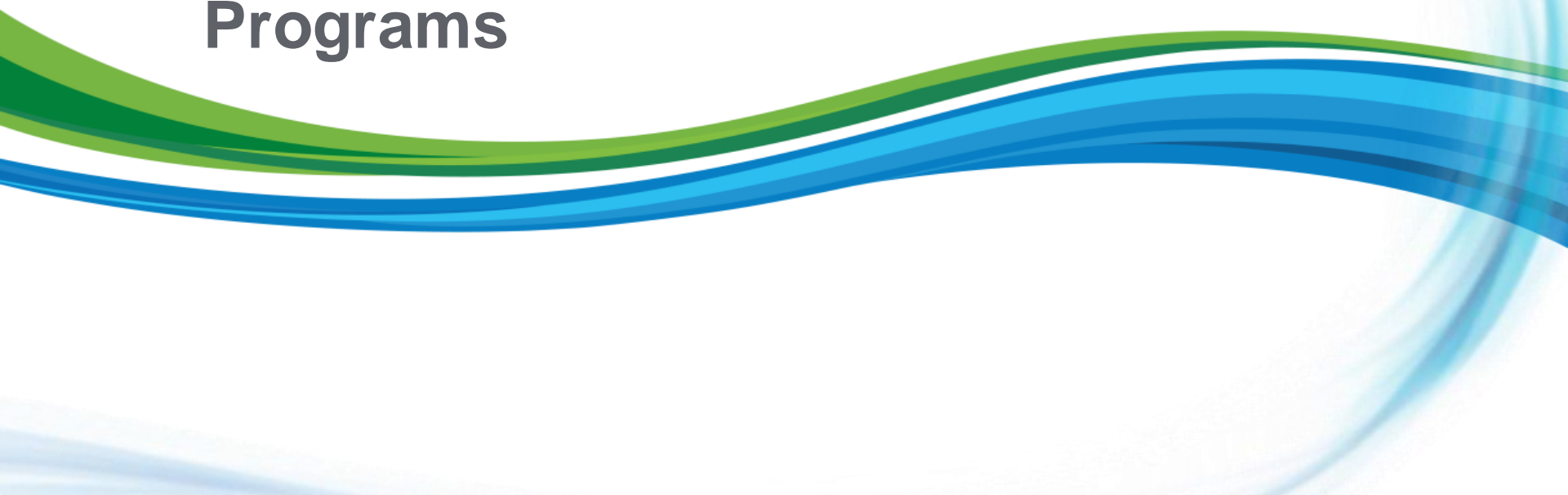
# July Meeting Recap

## What we covered:

- ✓ Survey Results for FY24 Stakeholder Meeting Refresh
- ✓ NJCEP and Utility Program updates
  - ✓ NJCEP New Construction Program update
  - ✓ FY24 Compliance Filing
  - ✓ Triennium 2 Straw Proposals
- ✓ Guest Presenter: NJ USDA Rural Energy For America Program
- ✓ Q&A



# New Jersey Energy Efficiency Programs



# New Jersey Energy Efficiency Programs

[www.NJCleanEnergy.com/TRANSITION](http://www.NJCleanEnergy.com/TRANSITION)

## 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 & Power & Fuel Cells
- \*State facilities are also eligible for utility programs

## Utility Administered Programs



- Existing buildings (residential, commercial, industrial, government)
- Efficient Products
  - Lighting & Marketplace
  - HVAC
  - Appliance Rebates
  - Appliance Recycling

## NJBPU and Utility Co-Administered Programs



# Energy Efficiency Program Information

[www.NJCleanEnergy.com/TRANSITION](http://www.NJCleanEnergy.com/TRANSITION)



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HOME
RESIDENTIAL
COMMERCIAL, INDUSTRIAL AND LOCAL GOVERNMENT
RENEWABLE ENERGY

**NEW JERSEY'S CLEAN ENERGY PROGRAM**

ABOUT NJCEP

BOARD OF PUBLIC UTILITIES

POLICY UPDATES & REQUEST FOR COMMENTS

CALENDAR

CLEAN ENERGY STAKEHOLDER GROUPS - MEETINGS

GRANTS & SOLICITATIONS

TRAINING RESOURCES

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## New Jersey's Energy Efficiency Program Transition

Transición del Programa de Eficiencia Energética de Nueva Jersey

### Electric Utility Contact Information

Utility Name	Commercial & Industrial Programs	Residential Programs
Public Service Electric & Gas	Website and Email Phone: 844-300-7734	Website and Email Phone: 855-846-2895
Atlantic City Electric	Website, Email and Phone: 833-223-7297	Website, Email and Phone: 866-353-0007
Jersey Central Power & Light	Website, Email and Phone: 800-662-3115	
Rockland Electric	Website, Email and Phone: 877-434-4100	

### Gas Utility Contact Information

Utility Name	Commercial & Industrial Programs	Residential Programs
Public Service Electric & Gas	Website and Email Phone: 844-300-7734	Website and Email Phone: 855-846-2895
New Jersey Natural Gas	Website and Email Phone: 877-455-6564	Website and Email Phone: 877-455-6564
South Jersey Gas	Website and Phone: 888-263-7372	Website and Phone: 833-483-0691
Elizabethtown Gas	Website and Phone: 888-263-7372	Website and Phone: 833-483-0692

Check the GIS utility finder to determine who your provider or providers are.



Program Updates

- Energy Master Plan Update
- Solar Scam Warning
- School and Small Business Energy Efficiency Stimulus Program
- Energy Efficiency Program Transition

Program Literature



Program Literature Applications and Brochures Download the latest program materials.

Energy Master Plan



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## FREQUENTLY ASKED QUESTIONS

Frequently asked questions (FAQs) are grouped by the following subject areas; you can jump to any section by clicking on one of the topics below:

- [General FAQs](#)
- [Commercial & Industrial Programs FAQs](#)
- [Residential Programs FAQs](#)
- [Contractor Specific FAQs](#)
- [Questions](#)

### General FAQs

Why are some energy efficiency programs now managed by the utility companies? (updated August 9, 2022)

The transition of the administration of certain energy efficiency programs from NJCEP to the utilities occurred in accordance with the mandates from the Clean Energy Act of 2018. These new programs allow the utilities to work directly with customers to achieve energy savings. The Board considered the following in establishing this transition:

- Programs that rely heavily on the use of contractors will be handled at the utility level, where the utility companies can build strong relationships and lead co-branded advertising and marketing efforts.
- Utilities will handle programs that rely on customer data or advanced metering infrastructure (AMI) to streamline customer data access layers and minimize the sharing of data to protect customer privacy.
  - Utilities are well-suited to deliver certain energy efficiency programs, such as those that are based on existing customer relationships and that rely on utility data and systems.
  - Utility administration works best for programs that can leverage utilities' knowledge of energy consumption, customer demographics, workforce infrastructure, and existing customer relationships within their service territories. Utility access – and increased customer access – to energy use data enables the design of more personalized services and programs, targeted outreach, and individualized solutions for customers.
- Utilities can offer flexible financing options, such as on-bill repayment.
- Customers may have more "brand awareness" and direct communication with their utility, which facilitates the broader adoption of energy efficiency measures.



Energy Efficiency Updates:

# New Jersey's Clean Energy Program





# More NJCEP Information

## Clean Energy Program Filings:

[www.NJCleanEnergy.com/FILINGS](http://www.NJCleanEnergy.com/FILINGS)

## Clean Energy Program Monthly Progress to Goal Report

[www.NJCleanEnergy.com/EE](http://www.NJCleanEnergy.com/EE) - Meeting Materials Archive

The screenshot shows the NJCEP website interface. At the top, there is a navigation bar with links for Press Room, Library, FAQs, Calendar, Newsletters, Contact Us, and Site Map. Below this is a search bar. The main content area is titled "Energy Efficiency Meeting Materials Archive" and includes a "Select A Year to View:" dropdown menu set to 2023. A table lists meeting dates, agendas, and materials. On the right side, there are sections for "Program Updates" and "Program Literature".

Meeting Date	Meeting Agenda	Meeting Materials
July 20, 2023	Agenda	Slide Deck, Webinar Recording & PTO Report
June 15, 2023	Agenda	Slide Deck & Webinar Recording
May 18, 2023	Agenda	Slide Deck & Webinar Recording
Apr 20, 2023	Agenda	Slide Deck & Webinar Recording
Mar 16, 2023	Agenda	Slide Deck & Webinar Recording
Feb 16, 2023	Agenda	Slide Deck & Webinar Recording

New in FY24:

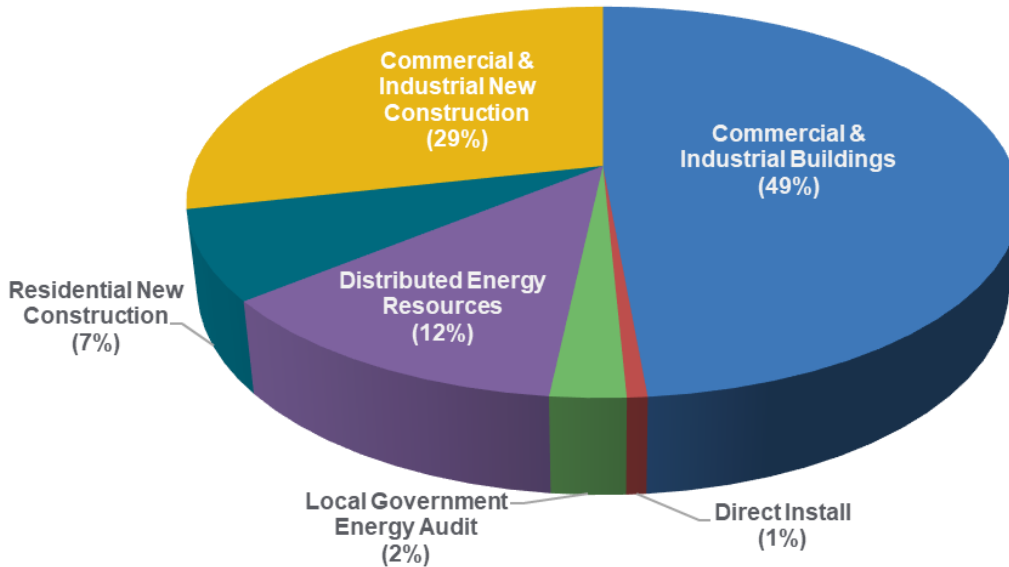
Progress to Goals Report is posted with post-EE Stakeholder Meeting resources after this meeting



# Budget Break-down by Program

## FY24 TRC Managed Programs

Incentive Budget: \$148,502,129



# Energy Efficiency Programs FY24

## NJCEP/TRC Managed

### Closed

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

### Closing Out

- C&I Buildings (existing buildings)
- SmartStart Retrofit
- Pay for Performance Existing Buildings
- 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

Comfort Partners



# New Construction Program & Garden State Challenge Pilot Update

## Next Steps

- Finalize program design with Board Staff
- Release for public comment as Compliance Filing update



# Benchmarking Update

- Clean Energy Benchmarking Resources: <https://njcleanenergy.com/commercial-industrial/programs/cea-benchmarking>
- As of August 1<sup>st</sup>, utilities regulated by the BPU have implemented aggregated building-level data services
  - These utilities provide building owners their building energy and water data for reporting
  - For a list of utilities who provide data services: <https://njcleanenergy.com/commercial-industrial/programs/energy-water-benchmarking/utility-data>
- BPU is currently experiencing a high volume of inquiries
  - In process of onboarding a customer relationship management vendor for a dedicated help desk and assistance with inquiries
- The submission deadline is October 1, 2023
  - Building owners will have a 90-day grace period after the October 1<sup>st</sup> date to report



Energy Efficiency Updates:

# New Jersey Utilities



# Utility Updates

## NJ Energy Efficiency Stakeholder Meeting

August 17, 2023



# Joint Utility Stakeholder Meetings

- The July 26, 2023 Framework Order requires Electric and Gas Utilities to propose Building Decarbonization Start Up programs (BD) and Demand Response (DR) programs for consideration by the Board
- The Order requires the Utilities to:
  - Prior to filing proposed programs with the Board, the utilities should also seek stakeholder input to refine the design of these programs through at least two (2) virtual public stakeholder outreach sessions during and after business hours that are advertised on their websites.
- Proposals will be included as part of the required Energy Efficiency (EE) filings due on October 2, 2023
- Meeting date via Zoom: Thursday, August 24<sup>th</sup>
  - 3pm – 5pm – Registration Link: [https://pseg.zoom.us/webinar/register/WN\\_EL2SxvBETO2zpa6FiPDIGQ](https://pseg.zoom.us/webinar/register/WN_EL2SxvBETO2zpa6FiPDIGQ)
  - 6pm – 8pm – Registration Link: [https://pseg.zoom.us/webinar/register/WN\\_vwDS6NtuTuKErDp7DbsYPQ](https://pseg.zoom.us/webinar/register/WN_vwDS6NtuTuKErDp7DbsYPQ)







Thank You



Energy Efficiency Updates:

# Regulatory – State & Federal



# Triennium 2 EE Framework

## Policy Updates

<https://www.njcleanenergy.com/main/njcep-policy-updates-request-comments/policy-updates-and-request-comments>

## Board Meeting July 26, 2023 Meeting Agenda

<https://nj.gov/bpu/agenda/2023calendar/approved/20230726.html>



STATE OF NEW JERSEY  
Board of Public Utilities  
44 South Clinton Avenue, 1<sup>st</sup> Floor  
Post Office Box 350  
Trenton, New Jersey 08625-0350  
[www.nj.gov/bpu/](http://www.nj.gov/bpu/)

**CONSENT AGENDA FOR BOARD MEETING**  
The meeting will be held on  
Wednesday, July 26, 2023 – 1:00 p.m.

Open to the Public: Board Hearing Room, 1st Floor, 44 South Clinton Avenue, Trenton  
or available to Watch Online:  
[https://www.youtube.com/watch?v=u8yb\\_EnJogo](https://www.youtube.com/watch?v=u8yb_EnJogo)

### 8. CLEAN ENERGY

- A. Docket No. QO23050289 – In the Matter of the Clean Energy Program Authorization of Commercial and Industrial Energy Efficiency Incentives Exceeding \$500,000 – Princeton University.

*The Board will consider Staff's recommendation for award of an over \$500,000 incentive to Princeton University for energy efficiency upgrades under the Large Energy Users Program.*

- B. Docket No. EO12090832V – In the Matter of the Implementation of L. 2012, c. 24, the Solar Act of 2012;

Docket No. QO19010068 – In the Matter of a New Jersey Solar Transition Pursuant to P.L. 2018, c. 17 – Application for Certification of Solar Facility as Eligible for TRECS Pursuant to Subsection (t) of the Solar Act of 2012; and

Docket No. QO21050822 – Pasadena Pemberton Solar Farm, LLC – Application for Solar Act Subsection (t), Block 906, Lot 1.01.

*The Board will consider the CEP Renewables request for TREC eligibility for its Pasadena Pemberton Solar Farm Subsection (t) application.*

- C. Docket No. QO19010040 – In the Matter of the Implementation of P.L. 2018, c. 17, the New Jersey Clean Energy Act of 2018, Regarding the Establishment of Energy Efficiency and Peak Demand Reduction Programs;

Docket No. QO23030150 – In the Matter of the Implementation of P.L. 2018, c. 17, the New Jersey Clean Energy Act of 2018, Regarding the Second Triennium of Energy Efficiency and Peak Demand Reduction Programs; and

Docket No. QO17091004 – In the Matter of Electric Public Utilities and Gas Utilities Offering Energy Efficiency and Conservation Programs, Investing in Class I Renewable Energy Resources and Offering Class I Renewable Energy Programs in Their Respective Service Territories on a Regulated Basis, Pursuant to N.J.S.A. 48:3-98.1 and N.J.S.A. 48:3-87.9 – Minimum Filing Requirements.

*The Board will consider Staff's recommendations for the framework for implementation of the second three-year program cycle (Triennium 2) of New Jersey's energy efficiency programs that will be implemented from July 1, 2024 through June 30, 2027 pursuant to the New Jersey Clean Energy Act of 2018. These recommendations focus on goals, targets, and performance incentive mechanism, as well as building decarbonization and demand response programs.*





Guest Presentation:

# Federal Energy Efficiency Funding

## Part 1: National Funding Overview

Maddie Emerson, TRC

## Part 2: NJ and National Funding

Rupa Deshmukh, NJBPU



# NEW & EMERGING FUNDING OPPORTUNITIES FOR ENERGY EFFICIENCY

**Prepared for:**

New Jersey Board of  
Public Utilities Energy  
Efficiency Stakeholders

**Prepared by:**

TRC

Date:

**August 17, 2023**

# AGENDA

Why We're Here

Overview of BIL & IRA

Form & Function of Emerging Funding Opportunities

What We Can Do

Key Opportunities for Business Energy Efficiency

## Disclaimer

*This presentation is provided as a point of reference and does not constitute, and should not be construed as, legal or tax advice. TRC makes no representations or warranties to the completeness or accuracy of this presentation, or the information it conveys, and the viewer expressly acknowledges that this presentation is for information purposes only. It is recommended that you consult with a legal advisor or a regulatory expert regarding the particular facts and circumstances involving your organization as each situation is unique.*

# WHY WE'RE HERE



**Major influx of federal funding to support our work**



**Risks of reactive approach**



**Opportunities to:**

- Support program participants in completing more / bigger projects
- Enhance or expand the scope of our customer offerings

# OVERVIEW OF LAWS

## Bipartisan Infrastructure Law (BIL)

also known as Infrastructure Investment & Jobs Act (IIJA)

- Became law **November 15, 2021**
- **\$550 billion** in new spending on clean energy, resilience, alternative transportation, and other infrastructure provisions
- Spanning 5 years from **2022-2026**
- Resources:
  - [Public Law, Full Text](#)
  - [White House Guidebook](#)

## Inflation Reduction Act (IRA)

- Became law **August 16, 2022**
- **\$437 billion** in spending on energy security and climate change, as well as healthcare and other economic and tax provisions
- Spanning 10 years from **2022-2031**
- Resources:
  - [Public Law, Full Text](#)
  - [White House Guidebook](#)



# TYPES OF FUNDING OPPORTUNITIES

Opportunities for expanded and enhanced financing through the BIL and IRA, including some entirely new initiatives

## Tax Incentives

- More stable and durable
- Less impactful at point of sale
- New avenues for benefits to reach tax-exempt entities

## Grants, Loans, Incentives, and Rebates

- Often subject to annual budget process
- More impactful at point of sale
- Several pathways for funds to reach end users, many new initiatives

# WHAT CAN WE DO?



**Educate ourselves so we can educate customers or others in our organizations**

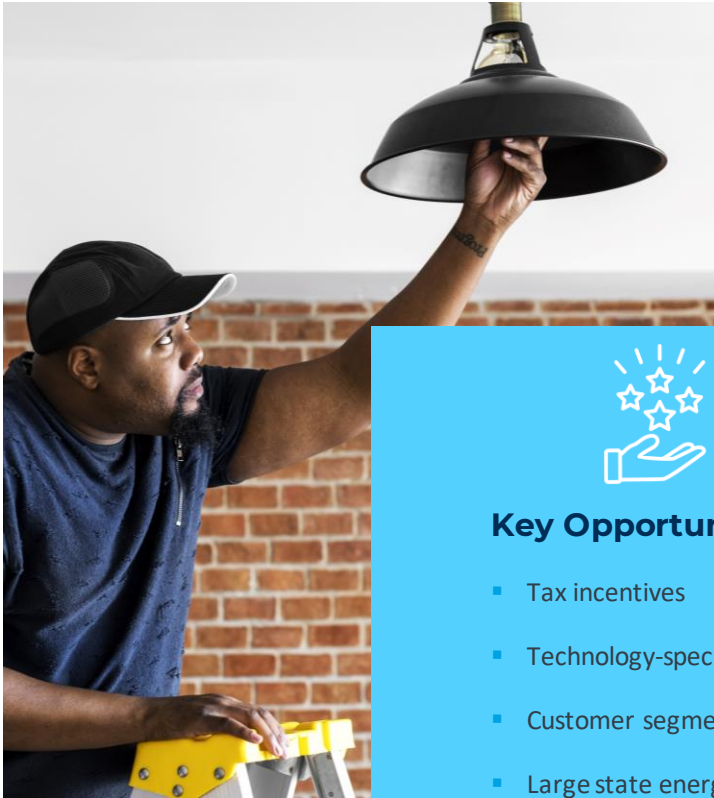


**Apply for funds or services directly**



**Coordinate with other market actors to ensure *their* use of new funds address our needs**

# KEY OPPORTUNITIES & NEXT STEPS



## Key Opportunity Areas

- Tax incentives
- Technology-specific programs
- Customer segment-specific programs
- Large state energy office (SEO) programs
- Training
- More on the horizon

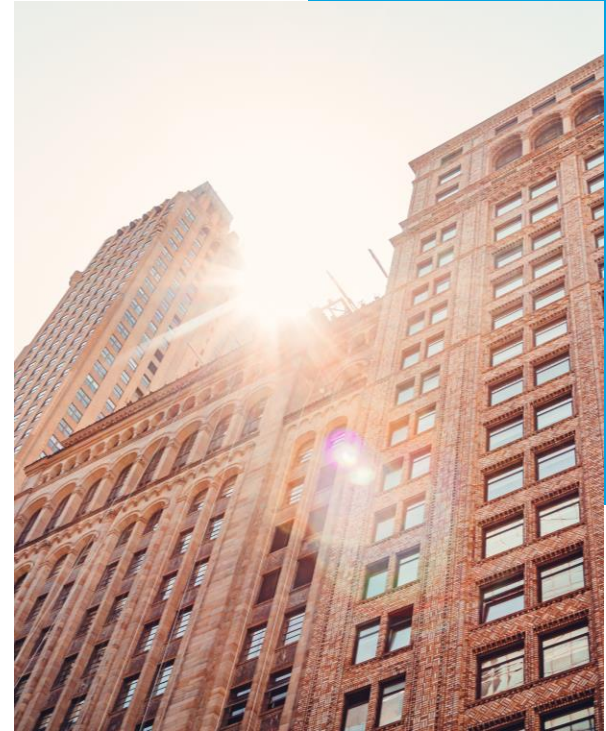


## Questions We Cover

- Who is eligible?
- What type of work/projects are supported?
- How does/will it work?
- Timing?
- Resources available?
- Other thoughts on what we could do?

# 179D COMMERCIAL BUILDINGS ENERGY EFFICIENCY TAX DEDUCTION

- Enables **building owners** to claim a tax deduction (**up to \$5.00\* /sqft**) for installing qualifying systems in buildings
  - Tenants may be eligible if they make construction expenditures
  - Avenues for applicability to tax-exempt entities
  - New or existing buildings
- **Qualifying systems:**
  - Interior lighting
  - Building envelope
  - Heating, cooling, ventilation, and service hot water
  - Systems that reduce the energy and power cost compared to building minimum requirements set by ASHRAE Standard 90.1 (cost savings calculated using qualified computer software)
- **In effect since January 1, 2006**
- \*For projects meeting **apprenticeship and prevailing wage** requirements
  - Initial guidance published November 30, 2022



\*For details regarding compliance pathways, % savings requirements, submission requirements, ASHRAE guidelines applicable based on year in which property was placed in service, and qualified software, see [here](#) and [here](#).

# TECHNOLOGY-SPECIFIC PROGRAMS

- New rebate programs administered directly by DOE
- **\$10 million** available for each program, available until expended
- Status: **Active**, with application portal opening soon – businesses can [register now](#).



## Extended Product Systems

- To provide rebates for the purchase or installation of qualified extended product systems (i.e., electric motor, electronic control, driven load)
- **Eligibility:** those that purchased a qualified extended product system or any owner of C&I equipment who redesigns the equipment to incorporate a qualified extended product system during the eligible window
- **New Measure Opportunity:** [Switched Reluctance Motors](#)

## Energy Efficient Transformers

- To provide rebates for the replacement of a qualified energy inefficient transformer with a qualified energy efficient transformer
- **Eligibility:** those that purchased a qualified energy efficient transformer to replace a qualified energy inefficient transformer during the eligible window

# CUSTOMER SEGMENT-SPECIFIC PROGRAMS

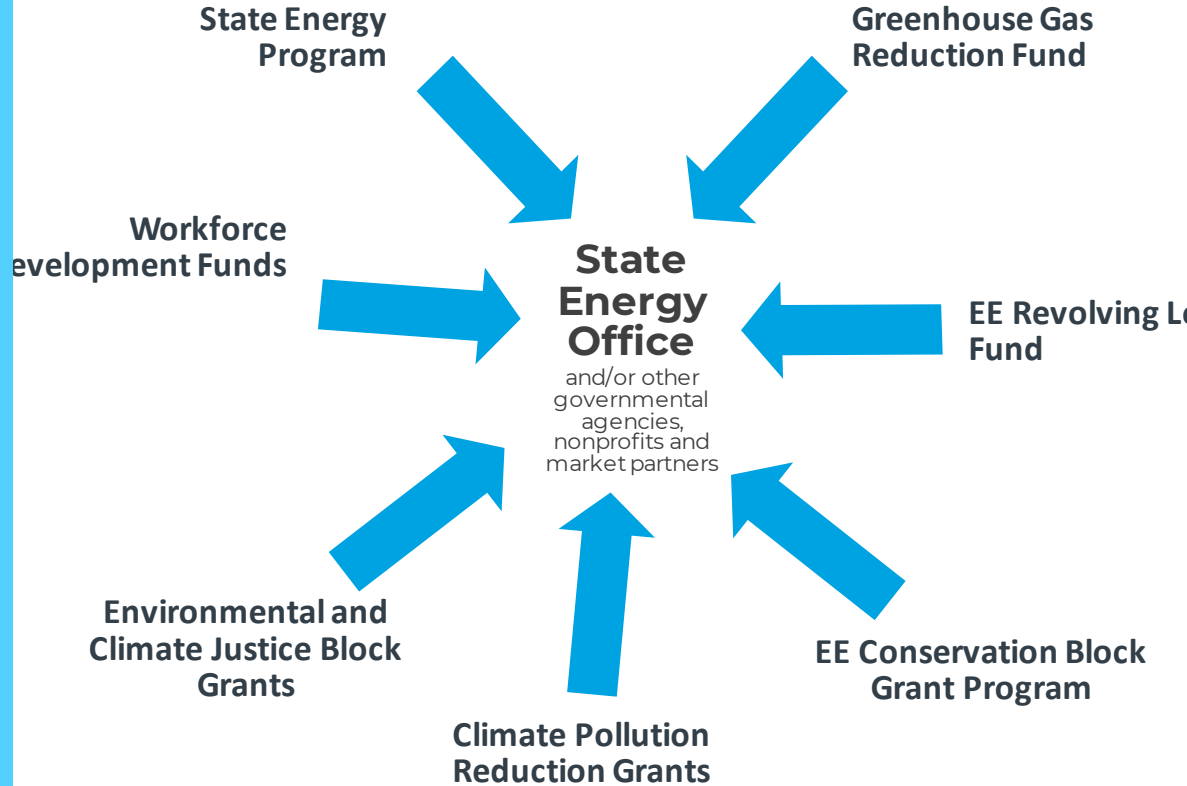
New and existing incentive programs (loans, grants, training services, etc.) support specific customer segments to pursue energy projects, including energy efficiency.

Customer Segment	Program(s)	Description (Funding amount, type, project and recipient eligibility)	Timing / Status
<b>Schools</b>	<a href="#">Renew America's Schools</a>	Competitive grants for energy efficiency, renewable energy, and alternative fuel transportation projects in K-12 public school facilities	\$178 million awarded to school districts in 2023; second round anticipated Spring 2024
<b>Local Governments</b>	<a href="#">EE Conservation Block Grant</a> (EECBG)	Competitive and formula grants (administered directly, or through technical assistance and equipment vouchers) to assist states, local governments, and Tribes in implementing strategies to reduce energy use, to reduce fossil fuel emissions, and to improve energy efficiency	Active. State & territory applications due to DOE ASAP; local government & tribal applications due January 2024
<b>Federal Buildings</b>	<a href="#">Assisting Federal Facilities with Conservation Technologies</a> (AFFECT)	Competitive grants for federal agencies to pursue energy and water efficiency projects to assist them in meeting their conservation requirements	Applications for Phase Winter 2023/2024 due <b>November 29</b> .
<b>Industrials</b>	<a href="#">Industrial Assessment Center (IAC) Implementation Grants</a>	Competitive grants for small and medium manufacturing facilities to complete implement EE measures identified through IAC audit or other qualifying audit	Selections announcement expected <b>Fall 2023</b>
	<a href="#">Industrial Demonstrations Program</a>	Competitive grants and other forms of assistance for industrial customers to pursue innovative emissions-reducing projects	Applications were due <b>August 8, 2023</b>
<b>Nonprofits</b>	<a href="#">Renew America's Nonprofits</a>	Competitive grants for nonprofit organizations to upgrade building materials to improve energy efficiency, lower utility costs, and reduce carbon emissions	Notification of prime recipients anticipated <b>October 6</b>
<b>Small Businesses in Rural Areas &amp; Agricultural Producers</b>	<a href="#">Rural Energy for America Program (REAP)</a>	Guaranteed loan financing and grant funding for agricultural producers and rural small businesses to complete energy efficiency and renewable energy projects	Current application window closes <b>September 30</b> , with 4 additional windows through FY24

Additional opportunities for ports, airports, affordable multifamily facilities, energy utilities, and more.

# BROAD SEO+ PROGRAMS

Several large funding sources (existing and new) are used by states, local governments, and tribes to administer incentives for clean energy projects and deliver workforce and customer education, training, and more.



**Note:** Many of these funds may be used for purposes other than business EE & electrification and require the eligible recipient to apply to the federal government to obtain the funds. Plans and guidance regarding the use of each of these funding buckets are evolving.



# NJ FEDERAL FUNDING OPPORTUNITIES





# Buildings

- **Residential Rebates (HER and HEAR)**
  - \$182M (~\$90M allocated to NJ in each)
- **Contractor Training Grant (CTG)**
  - \$3.5M to NJ (formula) + \$40M competitive
- **179D Commercial Buildings Energy-Efficiency Tax Deduction**
- **Resilient and Efficient Codes Implementation (RECI)**
  - BPU partner state in 2 grants each is ~ \$9M
- **Revolving Loan Fund (RLF)**
  - \$2.4M towards EE in State Buildings



# Community / Local Actions

- **Energy Efficiency and Conservation Block Grants (EECBG)**
  - \$2.4M
- **Climate Pollution Reduction Grant (CPRG)**
  - \$3M (DEP) + Competitive
- **GHG Reduction Fund (GHGRF)**
  - NJ Green Fund + National Clean Investment Fund (competitive)



# General Q&A



To submit questions in advance for next month:  
**[EnergyEfficiency@bpu.nj.gov](mailto:EnergyEfficiency@bpu.nj.gov)**

# Items of Interest



# Next Meetings



# Energy Efficiency Stakeholder Meetings

[NJCleanEnergy.com/StakeholderGroups/Energy-Efficiency](http://NJCleanEnergy.com/StakeholderGroups/Energy-Efficiency)

*3<sup>rd</sup> Thursday of the Month, 1-2:30pm*

**September 21, 2023**

*October 19, 2023*

*(no November meeting)*

*December 21, 2023*

*September's Guest Presentation:*  
**Local Government Energy Audit (LGEA) Program**



# More Information

## VISIT

NJCleanEnergy.com

[NJCleanEnergy.com/EE](http://NJCleanEnergy.com/EE)

## CONTACT

[EnergyEfficiency@bpu.nj.gov](mailto:EnergyEfficiency@bpu.nj.gov)

866.NJ.SMART (657.6278)

## EE LISTSERV

[NJCleanEnergy.com/LISTSERVS](http://NJCleanEnergy.com/LISTSERVS)



@NJCleanEnergy

**THANK YOU**

