

The meeting
will begin in
a few minutes



Energy Efficiency Stakeholder Meeting

December 19, 2024

Agenda

1. Re-cap of Last Meeting
2. New Jersey Energy Efficiency Programs
3. Energy Efficiency Updates
 - NJCEP Updates
 - New Construction Program Update
 - Utility Updates
 - Overview of Triennium 2 Programs
 - Regulatory Updates
4. Presentation – NJCEP Year In Review
5. General Q&A
6. Items of Interest
7. Annual EE Stakeholder Survey Announcement
8. Next Meetings

Recap of Last Month

October Monthly Recap

What we covered:

- ✓ NJCEP Updates
 - ✓ NJCEP New Construction Program
 - ✓ Benchmarking Update
 - ✓ Technical Reference Manual (TRM)
- ✓ Utility Updates
- ✓ Regulatory Updates
 - ✓ Triennium 2 Filings Review
- ✓ Guest Presentation: Campus Decarbonization Case Study
- ✓ 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

The screenshot shows the website for New Jersey's Clean Energy Program. The main navigation bar includes Home, Energy Efficiency, Electric Vehicles, and Renewable Energy. The left sidebar contains links for NEW JERSEY'S CLEAN ENERGY PROGRAM, ABOUT NJCEP, BOARD OF PUBLIC UTILITIES, POLICY UPDATES & REQUEST FOR COMMENTS, CALENDAR OF EVENTS, and CLEAN ENERGY STAKEHOLDER. The main content area is titled "Energy Efficiency Meeting Materials Archive" and features a "Select A Year to View:" dropdown menu set to "2024". Below this, there are two links: "To return to the Upcoming EE Stakeholder Meeting Calendar, click here." and "To return to the Upcoming Clean Energy Stakeholder Group Meeting Calendar, click here." A table lists meeting dates, agendas, and materials for 2024:

Meeting Date	Meeting Agenda	Meeting Materials
June 20, 2024	Agenda	Slide Deck, Webinar Recording & PTG Report
May 16, 2024	Agenda	Slide Deck, Webinar Recording & PTG Report
Apr 18, 2024	Agenda	Slide Deck, Webinar Recording & PTG Report
Mar 21, 2024	Agenda	Slide Deck, Webinar Recording & PTG Report
Feb 15, 2024	Agenda	Slide Deck, Webinar Recording & PTG Report
Jan 18, 2024	Agenda	Slide Deck, Webinar Recording & PTG Report

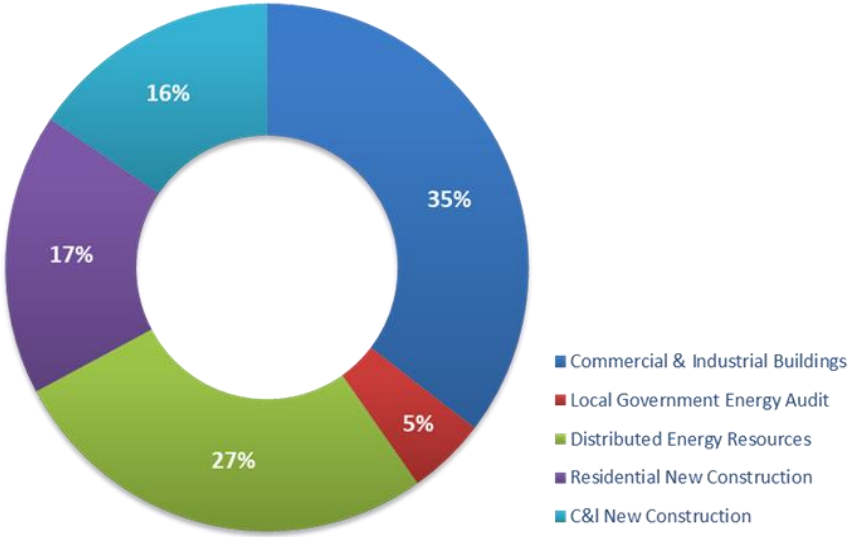
The right sidebar includes "Program Updates" with links for Energy Efficiency Program Transition and Benchmarking FAQs & Assistance, "Energy Master Plan" with a link for the State of New Jersey Energy Master Plan, and "Join Our Listserv".

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



Budget Break-down by Program (TRC Managed Programs)

FY25 (first 6-month) Incentive Budget: \$111,621,352



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

INCENTIVES

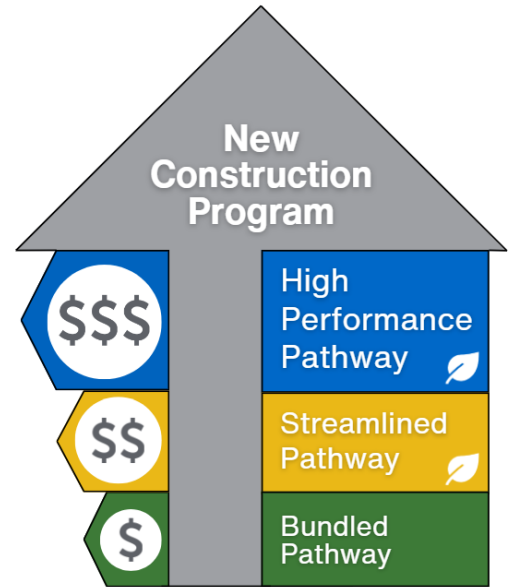
Based on selected pathways and size

WHO IS ELIGIBLE

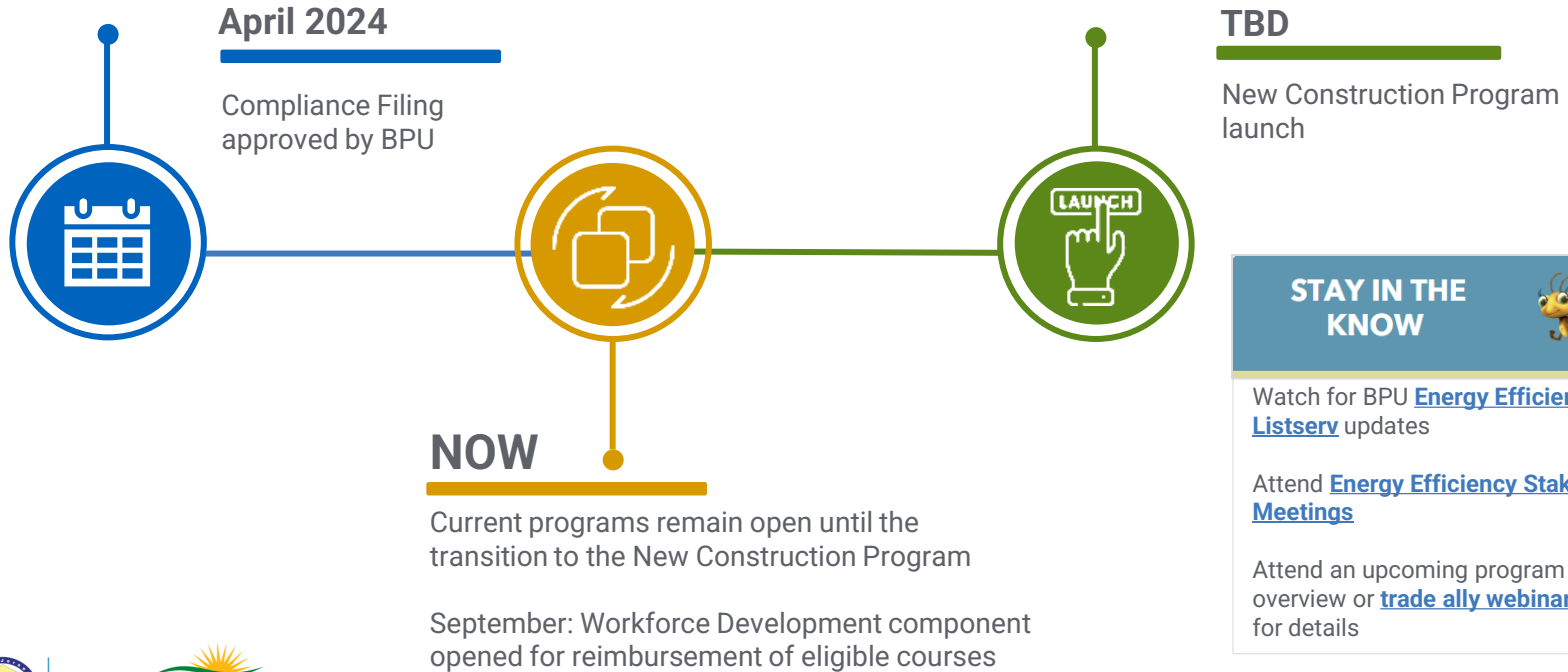
All new construction buildings or eligible major renovation projects

ADDITIONAL OPPORTUNITIES

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



New Construction Program Timeline



Utility Updates

Energy Efficiency Updates



Utility Updates

NJ Energy Efficiency Stakeholder Meeting

Jessica Hood, PSE&G

Dan Anderson, Atlantic City Electric

Eric Rundy, JCP&L

Todd Van Aken, New Jersey Natural Gas

Kyle Haddock, Rockland Electric

Casey Hennessy, South Jersey Industries

on Behalf of The NJ Joint Utilities – December 19, 2024



Antitrust Statement

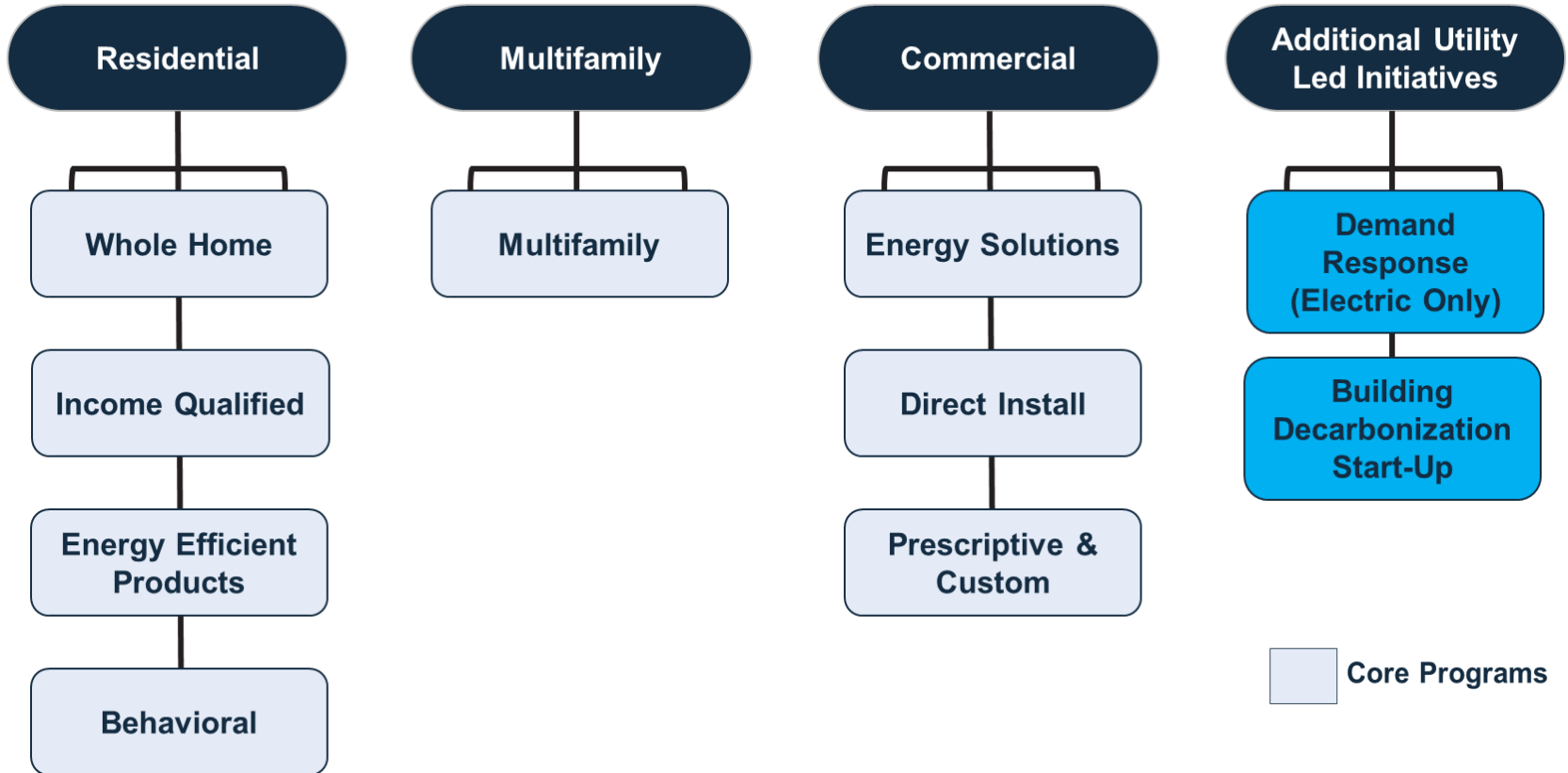
- The New Jersey Utilities are committed to full compliance with all laws and regulations as well as maintaining the highest ethical standards. We adhere to all federal and state antitrust laws.
- Coordination of Energy Efficiency programs by the utilities is in response to BPU requirements set forth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

Triennium 2 Utility Programs

Background

- The Clean Energy Act of 2018 requires utilities to reduce the energy use in their territory by 2.0% for electricity and 0.75% for gas within 5 years of implementation.
 - BPU issued guidance related to the implementation of the CEA in 2020
 - Utilities filed Triennium 1 programs in response
- Utilities were approved for the Triennium 1 programs in 2020 & 2021
 - Triennium 1 programs end on December 31, 2024
- Utilities filed Triennium 2 programs in response to the Clean Energy Act and the BPU's resulting May 24, 2023, July 26, 2023, and October 25, 2023 Board Orders ("Framework Orders") directing utilities to submit filings for Energy Efficiency, Building Decarbonization, and Demand Response programs by December 1, 2023
- BPU approved Utilities' Triennium 2 programs on October 30, 2024
- Triennium 2 will be from January 1, 2025 to June 30, 2027
- 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.

Triennium 2 Programs



Core Programs

Residential Programs

Program	Short Description
Whole Home	<ul style="list-style-type: none">• Comprehensive program providing whole home energy efficiency opportunities, including assessments and upgrades, to customers.• Incentives and 0% financing available.
Income Qualified	<ul style="list-style-type: none">• Comprehensive program providing whole home energy efficiency opportunities, including assessments, health and safety measures, and upgrades at no cost to income-qualified customers• (This program targets moderate-income customers, whereas the Comfort Partners provides incentives for low-income customers)
Energy Efficient Products	<ul style="list-style-type: none">• Provides rebates on energy efficient products, may include online marketplace and retail store rebates, appliance recycling, midstream and/or downstream incentives, and 0% financing available.
Behavioral	<ul style="list-style-type: none">• Provides energy use information, including analytics, and information and tips related to energy conservation via digital and/or mailed reports to residential customers

Commercial & Industrial Programs

Program	Short Description
Energy Solutions	<ul style="list-style-type: none">• Comprehensive program offering various whole-building energy solutions, including energy assessments, upgrades, and holistic energy advisory services.• 0% financing available.• Note: This is a successor to the current Engineered Solutions and Energy Management Programs. Blended approach will improve customer service.
Direct Install	<ul style="list-style-type: none">• Provides an energy assessment and financial incentives for the installation of energy efficiency measures; the program aims to make energy efficiency upgrades more accessible to small commercial customers.• 0% financing available.
Prescriptive/Custom	<ul style="list-style-type: none">• Provides opportunities for commercial and industrial facilities to implement individual or groups of efficiency measures based on prescriptive rebates and/or per kwh and per therm financial incentives for custom measures.• 0% financing available.

Multifamily Program

Program	Short Description
Multifamily	<ul style="list-style-type: none">• Provides a variety of options for multifamily properties, including rebates for in-unit or common areas solutions as well as more comprehensive offerings for whole-building retrofits. The program is aimed at reducing the barriers that multifamily properties often face to participating in efficiency programs and providing a variety of options to fulfill the needs of various building types and metering structures.• 0% financing available.• Some options will offer greater incentives for properties serving low- and moderate-income customers

Additional Utility-Led Initiatives

- **Building Decarbonization Program:**

- Program will provide incentives, technical support, and other support for customers to switch fossil fuel equipment to electric equipment through traditional EE program pathways
- Includes offerings for Residential, Commercial & Industrial, and Multifamily Buildings

- **Demand Response Programs:**

- Includes: Direct Load Control (DLC), Time of Use Rate Pilot and Flexible Load Management (FLM) Pilot
- DLC Program and FLM Pilot use a smart thermostat to reduce demand during peak periods

- **Workforce Development:**

- This program will expand the New Jersey clean energy workforce by providing training, certifications, wraparound services, and job placement opportunities
- The focus will be on residents of Overburdened Communities (“OBCs”)

- **Building Decarbonization Program**

- The program offers incentives for participants who replace their fossil fuel appliances with eligible more efficient electric equipment.
- Residential & Multifamily participants are eligible for incentives when adopting eligible induction cooktops, heat pumps and heat pump water heaters replacing fossil fuels appliances.
- C&I participants are eligible for incentives when adopting eligible heat pumps and heat pump water heaters replacing fossil fuels appliances.
- All building decarbonization participants are eligible for incentives toward electric panel and/or wiring upgrades.

- **Load Optimization & Peak Demand Response program**

- The programs' primary objective is to reduce demand during peak load events through the management of eligible smart thermostats.
- The program anticipates inclusion of other connected devices in homes and businesses, such as but not limited to water heaters, electric vehicles/chargers, and battery storage systems in future years.
- Eligible customers will opt-in to the program and receive an enrollment incentive.

- **Building Decarbonization Program:**

- To conduct a District Geothermal feasibility study to inform future potential projects.
- Heat Pump solution to partially displace the usage of natural gas fired equipment. Program will include contractor training, customer education, and robust EM&V on dual-fuel heating solutions.

- **Workforce Development (WFD):**

- Technical training (e.g., BPI training) at no cost to the participant to increase EE workforce, with a focus on low- and moderate-income and overburdened community neighborhoods.
- Coordinate with other utilities and WFD Working Group; will seek partnerships with Community-Based Organizations and governmental entities for wraparound services.

- **Building Decarbonization Program:**

- Program will provide incentives, technical support, and other support for customers to switch fossil fuel equipment to electric equipment through EE program pathways.
- Includes offerings for Residential, Commercial & Industrial, and Multifamily customers

- **Demand Response Program:**

- Program will provide a variety of demand response opportunities to PSE&G's electric customer
 - Opportunities will include direct load control, pay for performance and a virtual power plant (VPP) offering for behind-the-meter storage

- **Workforce Development Program:**

- PSE&G's Clean Energy Jobs program will continue to create economic opportunities for unemployed and underemployed NJ residents by:
 - Providing training and support services to prepare participants for jobs in the clean energy sector, including through the On-the-Job Training Program, the Clean Energy Jobs Program Platform, and developing networks of training suppliers and organizations providing wraparound services
 - Expanding diverse supplier opportunities by assisting them in achieving their Minority, Women, Veteran Business Enterprise (MWVBE) certification

RECO

- **Building Decarbonization Program:**

- The Building Decarbonization (BD) Program is designed to promote the installation of clean, renewable, heat pump and electrification technologies in residential, multi-family and Commercial & Industrial sectors.
- The BD program will offer a range of measures and incentives which will cover the following equipment end-uses: space heating and cooling, water heating, cooking, laundry and outdoor lawncare.
- Rockland Electric's Clean Heat program will continue into T2 with slight modifications and opportunities to braid Whole Home solutions

- **Demand Response Program:**

- This program is designed to encourage customers to make temporary reductions in their electricity usage during peak demand periods from May through September.
- These periods, which can last a few hours, typically occur during the hottest days of the year when the electric grid is constrained by the high demand for energy.

- **Workforce Development Program:**

- RECO will coordinate with Utility Partners locally and expand the opportunities to train "up" candidates and employees of local participating contractors

- **Workforce Development (WFD):**
 - Continue conducting Building Performance Institute (BPI) training at no cost to the participant
 - Expand the current offering of related classes and certifications.
 - Connect certified participants with our Vendor Network for employment consideration.
- Ensuring there is trained staff available is a critical path of the WFD program and the utility recognizes the need for employers interested in hiring trained individuals. In T2 we plan to build upon relationships with organizations such as:
 - NJ Air Conditioning Contractors Association
 - NJ Associate of Plumbing, Heating and Cooling Contractors
 - NJ Association of Energy Engineers

Opportunities for Additional Engagement

Additional Information Available through these Resources

- **HVAC Contractor Calls –**
 - Generally held in Spring and Fall. May be more frequent during transition from T1 to T2
- **Whole Home Energy Solutions –**
 - Generally held on a bi-monthly basis. May be more frequent during transition from T1 to T2
- **Business Industry Leadership Team (BILT) -**
 - **Administered by NJIT Terra Meierdierck, tmm@njit.edu**
 - BILT discussions have been focused on workforce development topics – including existing offerings and statewide needs
- **Future EE Stakeholder Meetings to include deeper dives on individual utility programs**
 - Jan - Residential
 - Feb - C&I and MF
 - Mar - BD and DR by utility

Guest Presentation: NJCEP FY24 Year in Review

Michael Ambrosio
Director of Policy & Planning, TRC



Suite of Clean Energy Programs

NJBPU and NJCEP Administered Programs

NJCEP / TRC Managed

Closed Programs

- Direct Install
- C&I Buildings (Existing Buildings)
- SmartStart Retrofit
- School & Small Business Stimulus Program (federally funded)

Closing Out

- Pay for Performance Existing Buildings

NJCEP / TRC Managed

Open Programs

- New Construction
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- Large Energy Users Program
- Local Government Energy Audit
- Distributed Energy Resources

BPU / Utility Managed


Co-administered Open Programs

- Comfort Partners

Recap of Energy Mandate

New Jersey's Clean Energy Act of 2018 mandated:

- Electric must achieve at least **2% annual energy reduction** by Program Year 5
- Gas must achieve at least **0.75% annual energy reduction** by Program Year 5



Triennium	Program Year (PY)	Fiscal Year (FY)	Start Date	End Date
1	1	FY22	7/1/2021	6/30/2022
	2	FY23	7/1/2022	6/30/2023
	3	FY24	7/1/2023	6/30/2024
2	4	FY25	7/1/2024	6/30/2025
	5	FY26	7/1/2025	6/30/2026
	6	FY27	7/1/2026	6/30/2027

FY24 Statewide Compilation Report

07/01/2023 - 06/30/2024

Where the report is posted:

- www.NJCleanEnergy.com
- Financial & Energy Savings Reports

What the report contains:

- Budgets & Expenses
- Energy Savings
- Participation Rates
- Emissions Reductions

Financial & Energy Savings Reports

Fiscal Year 2024

NJCEP Quarterly Reports

To view the archive of prior NJCEP Quarterly Reports visit [this page](#).

- 1Q FY24
- 2Q FY24
- 3Q FY24

Statewide Compilation Reports

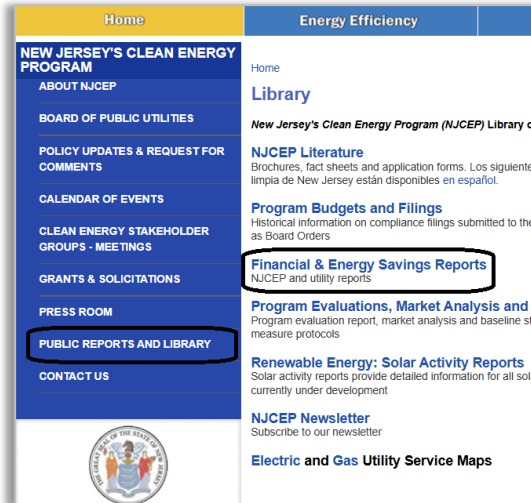
To view the archive of prior Statewide Compilation and Utility Quarterly Reports visit [this page](#).

- 2Q FY24 (Excel) / 2Q FY24 (PDF)
- 4Q FY24 (Excel) / 4Q FY24 (PDF)

Utility Quarterly Reports

- **Atlantic City Electric | ACE**
 - 1Q FY24: Report, Appendix
 - 2Q FY24: Report, Appendix
 - 3Q FY24: Report, Appendix
 - 4Q FY24: Report, Appendix
- **Elizabethtown Gas | ETG**
 - 1Q FY24: Report, Appendix
 - 2Q FY24: Report, Appendix
 - 3Q FY24: Report, Appendix
 - 4Q FY24: Report, Appendix

4Q FY24
Now
Available!



FY24 Statewide Compilation Report

07/01/2023 - 06/30/2024

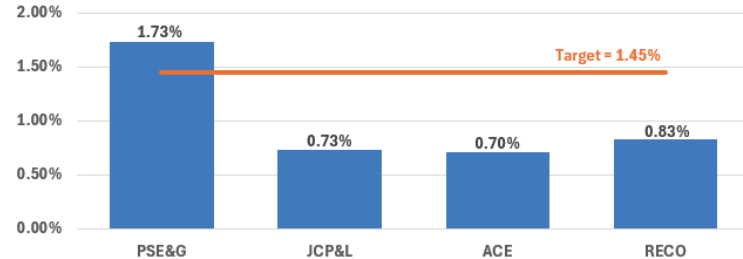
How are we doing in the clean energy transition?

As of FY24 / PY3, there is still much to do to achieve the state mandates by PY5

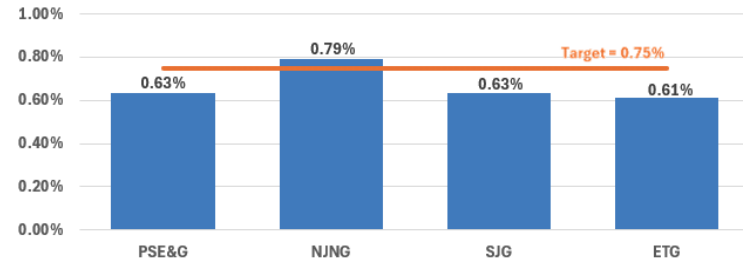
Note:

- Current Technical Reference Manual (TRM) reports on [gross savings](#)
- Revised TRM approved for Tri-2 will count [net savings](#) toward the state mandate - increasing the current levels by approximately 20% to reflect the change from gross to net savings

Statewide Annual Electric Savings & Generation
(% of Retail Sales)



Statewide Annual Natural Gas Savings
(% of Retail Sales)



Statewide Budget Table

FY24: 07/01/2023 - 06/30/2024

EXPENSES	Total Budget (\$000)	Total Expenses (\$000)	Incentives <i>(Current Year Only)</i>
Atlantic City Electric (ACE)	\$42,505.71	\$32,339.20	\$17,086.96
Elizabethtown Gas (ETG)	\$39,648.64	\$24,503.04	\$18,255.94
Jersey Central Power & Light (JCP&L)	\$94,894.35	\$86,415.84	\$62,474.92
New Jersey Natural Gas (NJNG)	\$229,519.26	\$83,125.80	\$41,934.19
Public Service Electric & Gas Company (PSE&G)	\$544,763.67	\$561,543.30	\$396,103.97
Rockland Electric (RECO)	\$7,532.42	\$5,274.17	\$2,340.02
South Jersey Gas (SJG)	\$52,684.41	\$33,314.09	\$25,502.51
NJCEP (Current Year Only) ¹	\$236,587.41	\$39,147.31	\$32,132.29
TOTAL	\$1,248,135.87	\$865,662.75	\$595,830.80

Note: the total expenses in the above table, includes incentives

¹ Excluding Comfort Partners - which is included in the Utilities totals

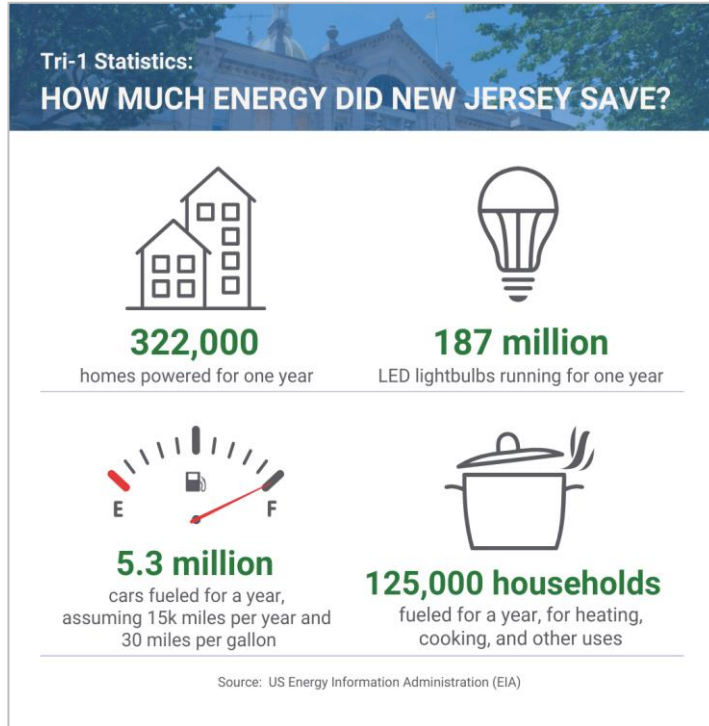
Tri-1 Results to Date

07/01/2021 - 06/30/2024

T1 Reporting Metrics	Utility-led Programs	NJ Clean Energy	Total
Portfolio Spend (\$000)	\$1,886,752	\$173,748	\$2,060,500
Annual Electric Saved, MWh	2,992,521	430,415	3,422,936
Program Year 3 (FY24) Target / Results Annual Electric Savings (% of Retail Sales)	1.20%	0.11%	1.30%
Annual Gas Saved, MMBtu	8,522,176	998,771	9,520,948
Program Year 3 (FY24) Target / Results Annual Gas Savings (% of Retail Sales)	0.62%	0.02%	0.64%

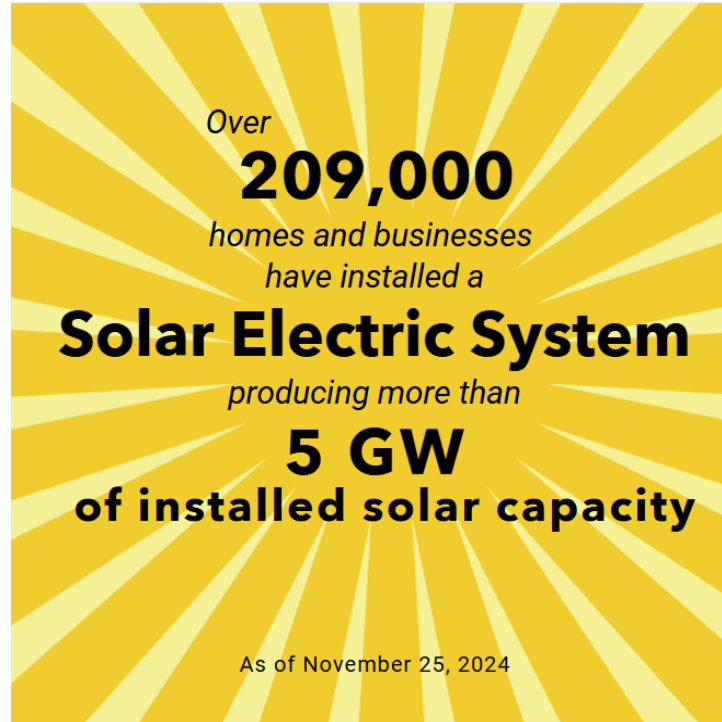
Clean Energy Savings

07/01/2021 - 06/30/2024



Clean Energy Milestone

Solar Program



NJCEP FY24 Year in Review

Questions?

Michael Ambrosio

Director of Policy & Planning, TRC
mambrosio@trccompanies.com

General Q&A

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



Items of Interest

Annual EE Stakeholder Survey



PURPOSE

To identify topics of interest for guest presentations at 2025 meetings

TIMELINE

Survey will be open for two weeks

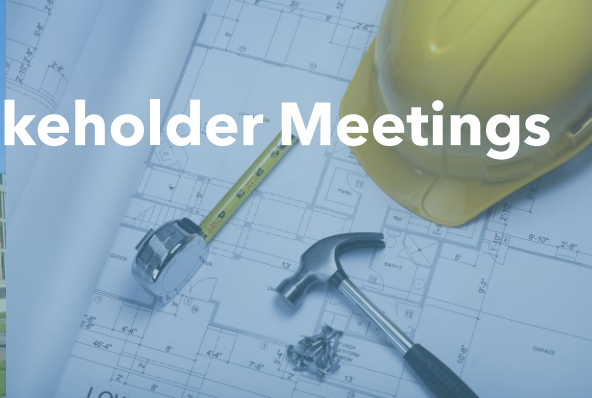
WHERE TO FIND

Link will be shared via EE Stakeholder Listserv

Next Meeting

Energy Efficiency Stakeholder Meetings

www.NJCleanEnergy.com/EE



[**NEW 2025**
Registration
Link](#)

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

- ✓ **January 16, 2025**
- ✓ February 20, 2025
- ✓ March 20, 2025
- ✓ April 17, 2025
- ✓ May 15, 2025
- ✓ June 26, 2025
- ✓ July 17, 2025
- ✓ August 21, 2025
- ✓ September 18, 2025
- ✓ October 16, 2025
- ✓ December 18, 2025

January guest presenter:

Steve Nadel, ACEEE

**Building Performance Programs
Overview**



New Jersey's
cleanenergy
program™

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New Jersey's
cleanenergy
program™

Thank you