



New Jersey's Clean Energy Program™



[Presentation Name]

Date



Agenda

- Introduction to BPU and New Jersey's Clean Energy Program
- Program Highlights
- Programs

NJCEP Background

ADMINISTERED BY

New Jersey Board of Public Utilities' Office of Clean Energy

FUNDING

Societal Benefits Charge (SBC) on utility bill

PROGRAM GOALS

- Education
- Change behavior
- Provide opportunity for ALL NJ residents to reduce energy and lower operating cost
- Protect the environment and lower emissions
- Meet Governor's goal of 100% renewable by 2050



Programs to Meet Goals



CUSTOMER EDUCATION



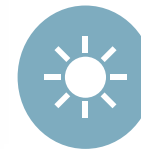
ENERGY CONSERVATION



ENERGY EFFICIENCY



DISTRIBUTED ENERGY RESOURCES



RENEWABLE ENERGY



New Jersey's
cleanenergy
program™

PROGRAM HIGHLIGHTS

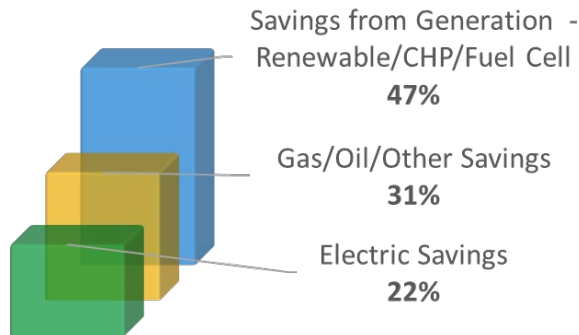


Program Performance...

FY18



8,000+ applications processed every month



Energy Savings are delivered through electric, gas, oil, other efficiencies and generation



\$13,000,000+ incentives paid each month



...Brings Real-World Results

FY18

Clean Energy Programs eliminated enough CO₂ to equate to:



75,000+ cars removed



5,900,000+ trees planted



354,112 metric tons greenhouse gases eliminated



NJCEP Portfolio of Programs

RENEWABLE ENERGY

- Offshore Wind
- Community Solar
- **SREC Registration**



DISTRIBUTED ENERGY RESOURCES

- Combined Heat & Power – Fuel Cells
- Microgrid Development
- Energy Storage*



SPECIALIZED ENERGY EFFICIENCY

- Community Energy Grants
- State Facility Initiatives
- R&D Energy Tech Hub*
- Workforce Development*



COMMERCIAL & INDUSTRIAL

- Energy Audits
- Energy Efficiency Incentives
- Multifamily*
- High Performance Building Competition*
- Trade Allies



RESIDENTIAL

- Home Performance
- HVAC
- Energy Efficient Products
- New Construction
- Low Income
- Trade Allies



** coming soon!*



RENEWABLE ENERGY

(available to Commercial, Industrial and Residential)

A decorative graphic consisting of several overlapping, wavy lines in shades of green and blue, flowing from left to right across the bottom half of the page.

SREC Registration Program

NJCleanEnergy.com/SREC

Registration

- Facilitates registration of solar projects (no rebates)
- Initial registration and final as-built can be registered via online portal

Inspection

- Projects are selected randomly for inspection

Installation

- Installation and pipeline reports posted on the NJCEP website mid-month



SREC Registration Program

NJCleanEnergy.com/SREC

- SREC Registration Program (SRP)
- Projects MUST be registered in the SRP prior to the start of construction in order to establish the projects eligibility to earn Solar Renewable Energy Certificates (SRECs)
- An SREC represents all the clean energy benefits of electricity generated from a solar energy project
- SRECs can be sold or traded separately from the power, providing owners a source of revenue to help offset the cost of installation



How do SRECs Work?

NJCleanEnergy.com/SREC

- Each time a solar installation generates 1,000 kWh of electricity, an SREC is earned
- Solar project owners report the energy production to the SREC Tracking System
- The reporting allows SRECs to be placed in the customer's electronic account



RESIDENTIAL PROGRAMS



Residential Portfolio of Programs

NJCleanEnergy.com/RESIDENTIAL

HOME PERFORMANCE W/ ENERGY STAR®

- Whole-house and safety solutions for existing homes
- Air sealing, insulation, heating and cooling upgrades
- Up to a \$4,000 rebate + 0% financing up to \$10,000 or .99% up to \$15,000

WARMADVANTAGE & COOLADVANTAGE

- Stand-alone rebates for heating and cooling systems
- Furnaces, boilers, water heaters, central air conditioners, mini-splits, heat pumps, etc.



ENERGY EFFICIENT PRODUCT REBATES

- Includes ENERGY STAR® certified refrigerators, dryers, washers, air purifiers, dehumidifiers, room air conditioners
- Appliance Recycling



RESIDENTIAL NEW CONSTRUCTION

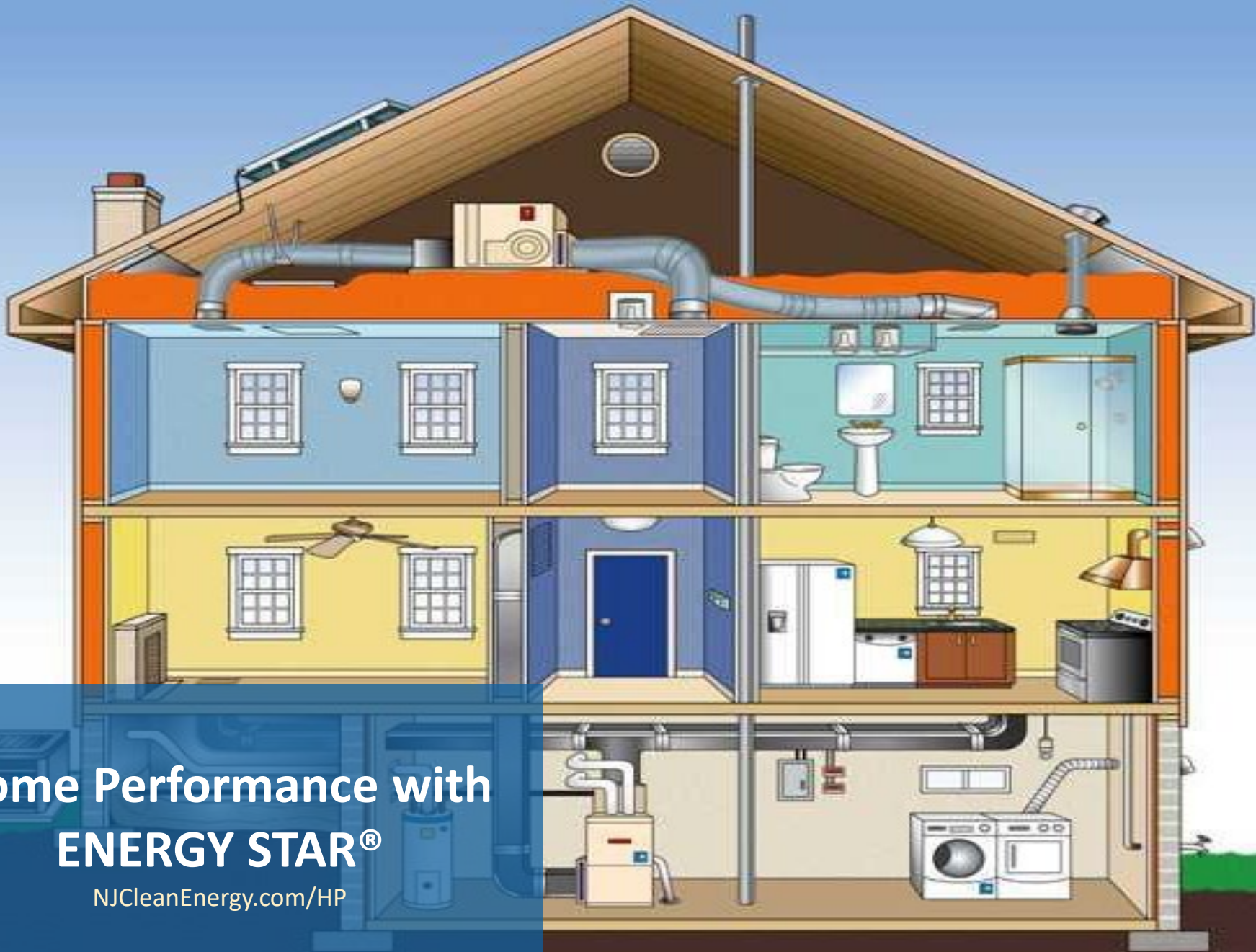
- Builders work with a rater to properly certify the homes to ENERGY STAR® certified or Zero Energy Ready Home levels



COMFORT PARTNERS

- A FREE program including lighting upgrades, hot water conservation, replacement of fridges and thermostats, insulation upgrades and heating and cooling maintenance **for income eligible families**





Home Performance with
ENERGY STAR®

NJCleanEnergy.com/HP

What is Home Performance?

NJCleanEnergy.com/HP

HOME PERFORMANCE
WITH ENERGY STAR®

- Provides whole-house energy assessments and comprehensive energy efficient upgrades for existing homes
- Addresses comfort, indoor air quality, health & safety, and energy usage problems
- The program uses specially trained/certified Building Performance Institute (BPI) GoldStar contractors



New Jersey's
cleanenergy
program™

Benefits for Homeowners

NJCleanEnergy.com/HP

HOME PERFORMANCE
WITH ENERGY STAR®

- Removes Dust and Allergies
- Eliminates Drafts
- Creates a more Comfortable Home
- Reduces Asthma and Sinusitis
- Eliminates Moisture and Mold
- Reduces High Utility Bills
- Addresses Climate Change
- Creates Energy Independence



New Jersey's
cleanenergy
program™

Steps to Participation

HOME PERFORMANCE
WITH ENERGY STAR®

- Select a participating NJ Program BPI GoldStar Contractor NJCleanEnergy.com/HP
- Schedule a Home Assessment (fee for assessment may apply as per contractor)
- Assessment identifies possible Health & Safety Issues
- Review contractor recommendations and incentive level
- GoldStar contractor installs the recommendation and performs test-out



New Jersey's
cleanenergy
program™

The Home Assessment

NJCleanEnergy.com/HP

HOME PERFORMANCE
WITH ENERGY STAR®



Combustion Appliance Testing

- Diagnostic equipment is used to test the conditions of your heating system, hot water heater and oven
- Testing results determine opportunities for upgrades

Visual Inspection of the Home

- Air sealing opportunities
- Insulation opportunities
- Possible health and safety issues

Blower Door Test (optional)



Home Assessment Video

HOME PERFORMANCE
WITH ENERGY STAR®

This 3 minute, 30 second video describes how an energy assessment is performed

<https://youtu.be/YoIBP0-vkBU>



New Jersey's
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program™

Incentives

NJCleanEnergy.com/HP

HOME PERFORMANCE
WITH ENERGY STAR®

Incentives based on Total Energy Savings for single-family homes (1-4 units) & townhomes

\$2,000 up to \$4,000 cash incentive

Plus:

- 0% Interest loan up to \$10,000 or
- **0.99% interest loan up to \$15,000**
- **Up to \$1,000 Urban Enterprise Zone (UEZ) Bonus**



Free Energy Efficiency Pilot Program

NJCleanEnergy.com/HP

HOME PERFORMANCE
WITH ENERGY STAR®

- Have the following installed during your Home Performance job (up to 9 items total)?
 - LED light bulbs
 - Low-flow faucet aerators
 - An EPA WaterSense Showerhead
- Air Sealing and Insulation - \$500 rebate for each

NJCleanEnergy.com/HPPILOTS



Residential Portfolio of Programs

NJCleanEnergy.com/RESIDENTIAL

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COMFORT PARTNERS

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WARM Advantage and COOL Advantage

NJCleanEnergy.com/WARM and NJCleanEnergy.com/COOL

WARM Advantage &
COOL Advantage

Heating and Cooling System Rebates

- Central AC Units (\$500 or \$300)
- Central Air Source Heat Pump (Up to \$1,000)
- Mini-Split A/C (\$500)
- Air-to-Water Heat Pump with Integrated Domestic Hot Water (\$2,000)
- Mini-Split Cold Climate Air Source Heat Pump (CCASHP) (up to \$2,000)
- Gas and Oil Furnaces (\$250 or \$500)
- Gas and Oil Boilers (\$300)
- Gas/Propane Water Heaters (\$300)
- Electric Heat Pump Water Heater (\$750)
- Combination Boiler/Furnace and Water Heater (\$700 or \$950)
- Urban Enterprise Zone (UEZ) Bonus of \$200 per Unit



Residential Portfolio of Programs

NJCleanEnergy.com/RESIDENTIAL

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Appliance Rebates

NJCleanEnergy.com/PRODUCTS

EE PRODUCT
REBATES

- \$50 or \$75 rebates on select clothes washers and refrigerators
- \$100 or \$300 rebates for select dryers
- **Rebates on ENERGY STAR certified Air Purifiers (\$50)
Dehumidifiers (\$25) Room ACs (\$15)**
- Ask retailers for more information or visit:
 - NJCleanEnergy.com/CLOTHESWASHERS
 - NJCleanEnergy.com/DRYERS
 - NJCleanEnergy.com/FRIDGEREBATE
 - **NJCleanEnergy.com/APPLIANCES**
- Eligible products lists are included on each page
- Visit your local retailer for discounts on ENERGY STAR certified lighting



Appliance Recycling

NJCleanEnergy.com/RECYCLING

EE PRODUCT
REBATES

- Recycling for old, inefficient refrigerators and freezers
- FREE pick-up and a \$50 rebate
- Room air conditioners and dehumidifiers can be recycled during the fridge/freezer pick-up appointment for an additional \$25 rebate each
- Approximately 95% of each appliance is recycled
- Schedule appointments online at NJCleanEnergy.com/RECYCLING



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NJCleanEnergy.com/RESIDENTIAL

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Residential New Construction Overview

RESIDENTIAL NEW
CONSTRUCTION

NJCleanEnergy.com/RNC



New Construction or reconstruction (gut rehab)



Demand for power is less



Operates more efficiently



**15%-50% more Energy Efficiency and can save
\$200-\$400 yearly**



Benefits of an Energy-Efficient Home

RESIDENTIAL NEW
CONSTRUCTION

NJCleanEnergy.com/RNC

- Homes are designed and built to standards well above other homes on the market today
- Builders work with Rating Companies credentialed through the Residential Energy Services Network (RESNET) to build or reconstruct homes to energy efficient standards
- Builders receive incentives for certified ENERGY STAR Homes, Zero Energy Ready Home and Multi-Family High Rise Homes



New Jersey's
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Features of an Energy Efficient Home

RESIDENTIAL NEW
CONSTRUCTION

NJCleanEnergy.com/RNC

- A complete thermal enclosure system, includes:
 - Comprehensive air sealing
 - Quality-installed insulation
 - High-performance Windows
- High Efficiency HVAC Systems
- Energy-efficient Lighting and Appliances
- For more information:
NJCleanEnergy.com/RNC



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Residential Portfolio of Programs

NJCleanEnergy.com/RESIDENTIAL

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Comfort Partners Overview

NJCleanEnergy.com/CP

COMFORT PARTNERS

This free, energy-saving and education program is geared to low-income homeowners who have an income at or below 250% of the federal poverty guidelines.

Eligible participants may receive free installation by a Building Performance Institute (BPI) GoldStar contractor of the following (on a home specific basis):

- Energy efficient lighting
- Hot water conservation measures (water heater insulation, water heater pipe insulation and energy-saving showerheads and aerators)
- Replacement of inefficient refrigerators and thermostats
- Insulation upgrades (attic, wall, etc.)
- Blower-door guided air sealing, duct sealing and repair
- Heating/cooling equipment maintenance



C&I PROGRAMS



C&I Portfolio of Programs

NJCleanEnergy.com/CI

Eligible Sectors: Commercial, Industrial, Government, Schools, Non-Profit, Institutional and Multifamily

MEASUREMENT & AUDITS

- Energy Benchmarking
- Local Government Energy Audits (for non-profits too)

COMPREHENSIVE PROGRAMS

- Multifamily*
 - Single Measure
 - Multi-measure
- Large Energy Users
- Pay for Performance
 - Existing Buildings
 - New Construction
- Direct Install
- Customer Tailored Energy Efficiency Pilot

SINGLE MEASURE REBATES

- SmartStart
 - Existing Buildings
 - New Construction

DISTRIBUTED ENERGY RESOURCES

- Combined Heat & Power - Fuel Cells
- Microgrids

** coming soon!*



More Information

VISIT

NJCleanEnergy.com

CALL

(866) 657-6278

NEWSLETTER

NJCleanEnergy.com/NEWSLETTER

LISTSERVS

NJCleanEnergy.com/LISTSERVS



@NJCleanEnergy



A photograph of a modern building with a glass facade and balconies. The building is illuminated from within, and there are several trees in the foreground. A semi-transparent white banner is overlaid across the middle of the image.

THANK YOU

