



New Jersey's *Clean Energy Program*™

Energy Efficiency Opportunities for Residential,
Commercial, Industrial and Institutional Buildings

Middletown Green Team Advisory Committee Meeting

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February 6, 2019

NJCEP BACKGROUND



ADMINISTERED by
New Jersey Board of Public Utilities

FUNDED from
Societal Benefits Charge (SBC)
on utility bill



PROGRAM GOALS

Save energy and lower operating cost
Protect environment and lower emissions
Change the business mindset

Residential Programs

Program Portfolio



Eligible Sector

Residential

Programs

- Home Performance w/ ENERGY STAR® – Retrofit
- HVAC Rebates - WARMAdvantage and COOLAdvantage
- Residential New Construction – New/Gut Rehab
- Appliance Rebates and Recycling
- Comfort Partners

What Is Home Performance?

- 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



Eligibility

- NJ Residential Dwelling units 3-stories or less
- Single Family Homes
 - 1-4 Dwelling units
 - Townhouses
- Multi-family buildings
 - ≥ 5 Units, must be addressed as whole-building
 - Individual HVAC, DHW per unit or building
 - Fuel metered per unit or building
(Requires BPI Multi-Family contractor Certification & Project Pre-approval)



Steps to Participation



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

Incentives



Incentives based on Total Energy Savings

- Single-family homes (1-4 units) & Townhomes

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

Plus

- 0% Interest loans up to \$10,000 or
 - Low interest loans up to \$15,000



- Multi-family buildings(5+ units and 3-stories or less)

- \$500 up to \$1,500 per unit

WARM and COOLAdvantage



Equipment Rebates



Heating and Cooling Systems

- Ductless Mini-Split Units (\$500)
- **NEW** Mini-Split Cold Climate Air Source Heat Pump (CCASHP) (\$200 per unit – max 5)
- Central Heat Pumps (\$500 or \$300)
- Central AC Units (\$500 or \$300)
- Gas and Oil Furnaces (\$250 or \$500)
- Gas and Oil Boilers (\$300)
- Gas Water Heaters (\$300)
- Heat Pump Water Heater (\$500)
- Combination Boiler/Furnace and Water Heater (\$700 or \$950)

NJCleanEnergy.com/COOL & NJCleanEnergy.com/WARM – see minimum energy efficiency levels as per the eligible measures document

Residential New Construction

New Construction or reconstruction (gut rehab)

Demand for power is less

Operates more efficiently

15%-50% more EE and can save \$200-\$400 yearly

Benefits of an Energy-Efficient Home

- 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



ELIGIBILITY



New and gut rehab residential construction, including:

- Custom and production homes
- Single-family
- Townhouses
- Multi-family low-rise buildings
- Multi-family High Rise buildings



Appliance Rebates



- \$50 or \$75 rebates on select clothes washers and refrigerators
- \$100 or \$300 rebates for dryers
- Ask retailers for more information or visit:
 - NJCleanEnergy.com/CLOTHESWASHERS
 - NJCleanEnergy.com/DRYERS
 - NJCleanEnergy.com/FRIDGEREBATE
- Eligible products lists are included on each page
- Visit your local retailer for discounts on ENERGY STAR certified lighting.



Appliance Recycling

- 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



Comfort Partners



This free, energy saving and education program is geared to low-income homeowners who have an income at or below 225% of the federal poverty guidelines.

Eligible participants 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

Commercial, Industrial and Institutional Programs

PROGRAM PORTFOLIO



ELIGIBLE SECTORS

Commercial, Industrial, Government, Schools,
Non-Profit, Institutional and Multifamily

PROGRAMS

Audits:

- Energy Benchmarking
- Local Government Energy Audits

Comprehensive Projects:

- Direct Install
- Pay for Performance – Existing Buildings
- Pay for Performance – New Construction
- Large Energy Users Program

Equipment Rebates:

- Smart Start – Existing Buildings
- Smart Start – New Construction

Distributed Energy Resources (DER) – Energy Generation:

- Combined Heat and Power
- Electric Storage

BENCHMARKING



- Open to Commercial, Industrial, Agricultural, Government, Non-Profit and Institutional Customers
- Program covers 100% of cost
- Benchmarking Report includes:
 - An ENERGY STAR® Portfolio Manager score
 - Suggestions for improving operations and maintenance
 - Identification of relevant incentives and program options for energy efficiency projects

DIRECT INSTALL: OVERVIEW



- A turn-key retrofit program to replace outdated and inefficient equipment
- Open to Small to Mid-Sized Commercial and Industrial facilities with a peak electric demand ≤ 200 kW
- Lighting, HVAC, Refrigeration

DIRECT INSTALL: OVERVIEW



- Provides incentives of up to 70% of the installed cost
- Incentives are paid directly to the contractor
 - Customer only pays remaining 30% of installed cost
 - \$125,000 project cap
 - \$250,000 per entity cap
- Project must pass cost/benefit test

P4P: OVERVIEW



- Comprehensive, whole-building approach to saving energy in existing or new facilities
- Customer chooses from network of pre-approved participating Partners
- Incentives up to \$2 million per project
 - \$1 million for electric measures
 - \$1 million for gas measures
- \$4 million annual entity cap per fiscal year
- Incentives paid in three installments at milestones

P4P EXISTING BUILDINGS: OVERVIEW



- Open to Commercial and Industrial facilities with annual peak demand 200 kW+ in previous year; 100 kW for multifamily
- Incentives up to 50% of total project cost
- Minimum savings 15% from existing energy use
- At least two unique measures
- No more than 50% of total savings from lighting
- Lighting savings up to 70% may be considered with minimum savings target increasing up to 35%

SMARTSTART: OVERVIEW



- Individual incentives for broad project categories:
 - Equipment Replacement
 - Renovation
 - Remodeling
 - New Construction
- Available to all Commercial, Industrial, Agricultural, Government, Non-Profit and Institutional customers
- Provides two types of financial incentives for high efficiency equipment installation: **Prescriptive & Custom**
- Incentives up to \$500,000 per electric account and \$500,000 per natural gas account per fiscal year.

SMARTSTART: INCENTIVES



Prescriptive Incentives

- Specific incentives and individual applications for:
 - Lighting & Lighting Controls
 - Packaged HVAC
 - Boilers & Water Heaters
 - Chillers
 - VFD's
 - Food Service
 - Refrigeration
- Project pre-approval required for all lighting measures

NJCEP PROGRAM SUPPORT



Regional Outreach Account Managers for Central Jersey

Commercial & Industrial

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FOR MORE INFORMATION

Visit NJCleanEnergy.com

Call (866) NJSMART

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To join the Energy Efficiency listserv

contact the [NJCEP Webmaster](#).