



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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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 - *WARM*Advantage and *COOL*Advantage
- 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](#).