

New Construction with Energy Star



NSTAR & Energy Star



- Energy Star for buildings 3 stories or less
 - ICF implementing Energy Star & Code Plus
 - Zero Energy Homes for 2008
- Buildings 4 stories or greater
 - Energy Star rating in pilot stage
 - NSTAR does not require “Energy Star or Equivalent”
 - ICF coordinating NSTAR programs
 - Residential
 - Low-income
 - Construction Solutions (C&I)

Construction Solutions

- Serves time-dependent projects
 - New construction or major renovation/remodeling of an existing facility
 - New equipment purchases and/or the end-of-life replacement of fully depreciated equipment
- The program offers
 - Financial incentives
 - Technical services
 - Commissioning services
 - Comprehensive Design track
 - Comprehensive Chiller track

Construction Solutions Measures

- Lighting
 - Commercial Lighting
 - Industrial Lighting
 - Performance Lighting
 - Indirect Low Glare Lighting
- Cooling
 - Cool Choice: Unitary HVAC & Controls
 - HVAC (30 to 1000 tons)
- Process
 - Motor Up
 - Variable Speed Drives
 - Compressed Air

Construction Solutions Incentives

- Prescriptive rebates are on the application
- Custom rebates are up to 75% of the incremental cost between standard efficiency and high efficiency equipment
- Comprehensive design projects cover up to 90% of the incremental costs or buy the cost of the project down to a one-year payback, whichever is less
- Up to 50% of the cost for engineering studies
- Up to 75% of the cost of required commissioning studies

Advanced Buildings

A resource from New Buildings Institute to assist the design team to create high performance commercial buildings, not for residential (including high rise)

- Basic Criteria
- Prescriptive Criteria (10-30% beyond ASHRAE 90.1)
 - No modeling required
- Simulation Criteria (30-50% beyond ASHRAE 90.1)
 - Requires energy modeling

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Performance Lighting

- Lighting system design based on watts per square foot that exceeds code compliance by at least 25% while maintaining or exceeding IES lighting standards
- Incentives available
 - Tier 1: reduce watts per square foot 25% below building code and receive an incentive of \$0.40 per watt saved
 - Tier 2: Meet Tier 1 requirements and at least 75% of fixtures must be High Performance technology to increase incentive to \$0.80 per watt saved

NSTAR Contact Information

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