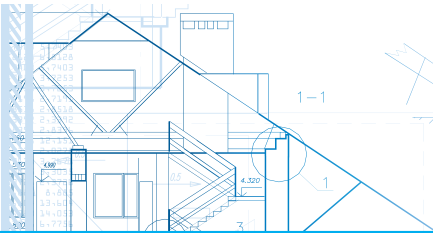


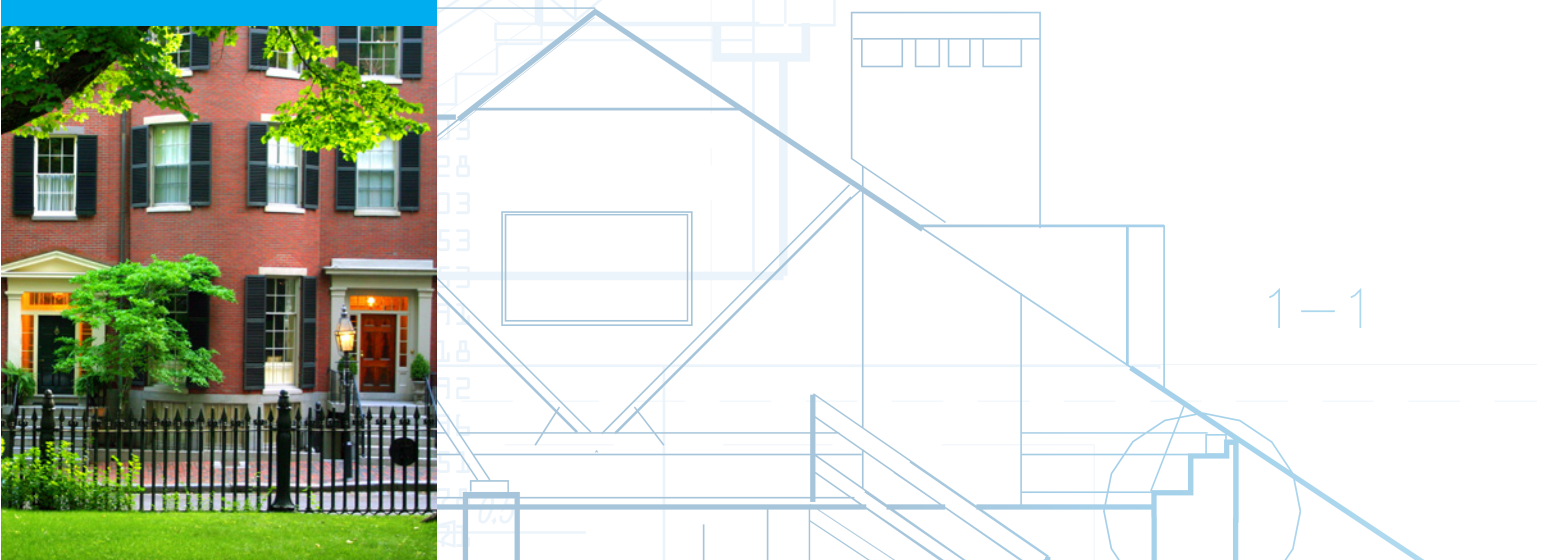
Multifamily New Construction Pilot Program



The development of energy-efficient multifamily housing reduces energy consumption and the associated greenhouse gas emissions. Since millions of Americans live in multifamily buildings, it is more important than ever to make sure they are built with energy use in mind.

While ENERGY STAR has become the standard for energy-efficient, single-family new construction in Massachusetts, an ENERGY STAR standard for multifamily buildings over 4 stories does not exist yet. Therefore, National Grid and NStar have designed this pilot program to increase the energy savings opportunities in these residential buildings.

By design, multifamily buildings use less energy than single-family homes, but that alone is not enough. For many years, industry professionals have been challenged to increase the efficiency of these buildings and estimate the energy savings associated with them. To make this knowledge accessible to everyone, our experts have developed easy-to-follow guidelines that will help everyone build more energy-efficient multifamily buildings. Register your project with the Multifamily New Construction Pilot Program and let us guide you!



About the Program

Determining the energy savings associated with multifamily buildings is a complex process. Initial work in this pilot program analyzed data from various projects to develop a process for providing whole building energy efficiency recommendations from a single point of contact. The process looked across all existing energy efficiency program offerings and developed the Prescriptive Path and the High Performance Building Adder. Program participants are welcome to utilize the Prescriptive Path only or utilize the Prescriptive Path and High Performance Building Adder together.

The Prescriptive Path

The utilities and energy efficiency service providers are moving together to standardize the available incentives for energy efficiency across Massachusetts. The Prescriptive Path allows participants to implement more than 150 different energy efficiency measures that will qualify for financial incentives. The incentive amount awarded for each measure is directly related to the energy savings associated with that measure as part of a whole building process.

Incentives are based on the calculated energy savings of each measure and each project. A base incentive of \$50.00 per MMBtu saved is offered to projects taking advantage of the Prescriptive Path. This amount is comparable with the typical incentive amounts awarded to residential new construction projects throughout Massachusetts. Measures available fall under one of the following categories:

Lighting	Building Envelope
HVAC	Domestic Hot Water
Variable Frequency Drives	Motors

Qualifying energy efficiency measures in any of these categories follow the standards set by partner programs across the state. Program participants are also welcome to submit applications for custom measures.

The High Performance Building Adder

The High Performance Building Adder is a good place to start if you want to become familiar with the using building performance to measure energy savings. Since building performance is already part of ENERGY STAR certification in a single-family home, this is a great way to prepare for future ENERGY STAR qualification for multifamily high-rise buildings.

A Third Party Verifier will use building diagnostics to determine whether the building meets the high performance standards outlined by the program. Buildings that meet the performance standards will qualify for a \$75/unit incentive in addition to the prescriptive rebates they are already receiving.

How to Register Your Project

- 1) Complete the Project Registration section on the next page.
- 2) Submit a signed Agreement to ICF International via fax: 1-781-676-4061, or email: multifhr@icfi.com.
- 3) A Program Account Manager will work with you to identify which measures qualify for prescriptive rebates. You will receive an award email outlining the incentives you may be eligible to receive. Final incentives are subject to building verification.
- 4) If you choose to take advantage of the Home Performance Adder, select a Third Party Verifier to work with from the list provided. The rater chosen will work with you throughout construction and conduct project site visits and testing.
- 5) Following final inspection, designated recipients will receive incentive check(s) for homes that qualify from Program Sponsors.
- 6) To obtain additional information about registering your project and pre-qualify call 1-800-628-8413 or email multifhr@icfi.com.

Register Your Project

Incentive Recipient Information		
Contact:	Company: (incentive check will be issued to)	
Street Address, City & ZIP Code:	Phone:	Email:
A TAX ID or SS# must be provided:		
Project Information		
Project Name:	Project Street Address, City & ZIP Code:	Electric Service Provider:
		Gas Service Provider (if applicable):
Choose a Fuel Type: Natural Gas <input type="checkbox"/> Electric <input type="checkbox"/> Oil <input type="checkbox"/> Propane <input type="checkbox"/> Other <input type="checkbox"/>		Check Appropriate Boxes: Natural Gas <input type="checkbox"/> Master Metered <input type="checkbox"/> Individually Metered <input type="checkbox"/> Electric <input type="checkbox"/> Master Metered <input type="checkbox"/> Individually Metered <input type="checkbox"/>
Number of Stories:	Total Number Units:	Check Appropriate Boxes: <input type="checkbox"/> Income Eligible/Low Income <input type="checkbox"/> Over 55 <input type="checkbox"/> SRO <input type="checkbox"/> Market Rate <input type="checkbox"/> Other
	Total Square Feet:	
Project Start Date:		Estimated Project Completion Date:
Applicant Signature:		Date:

Technical Assistance

Comprehensive plan reviews from an ICF Multifamily Account Manager for projects still in design development are available. An analysis of a building's energy performance, and suggested improvements to increase that level of performance, are available, free of charge, to all program participants. This analysis is designed to help identify measures for the Prescriptive Path and associated energy savings, but does not provide complex whole building energy modeling. Technical assistance will also be offered for prescriptive measures and energy savings not currently included as part of this program.

Third Party Verification

All projects that opt for the High Performance Building Adder require Third Party Verification. A list of program-approved contractors is attached. Program participants are responsible for contracting with one of these building diagnostic firms. The firm you select will be responsible for conducting site inspections and diagnostic testing per program requirements.

About the Program Sponsors

The Multifamily New Construction Pilot Program was jointly developed and offered by:



Eligibility Requirements

- The building when completed must be a customer of either NSTAR or National Grid.
- The building must be 4-8 stories and not qualify for participation under the Massachusetts New Homes with ENERGY STAR Program.
- Units can be individual or master-metered electric and gas. Heat type will determine eligibility for prescriptive based incentives.
- Compact fluorescent lamps (CFLs) or pin-based equivalents must be installed in at least 50% of all hard-wired fixtures in the home and visually verified by a program-approved inspector.

Incentive Guidelines

- The submission of this Application does not guarantee receipt of incentives. Written approval from the program will state the number of incentives awarded.
- The incentives awarded are to assist in the defrayment of certification cost to the applicant and help cover some of the incremental costs. The applicant may need to contribute to the construction costs of achieving higher energy performance.
- Participants who receive equipment or energy efficiency measure incentives through the program are not eligible to receive them directly through any other utility or program sponsored by another energy efficiency service provider.
- Incentives associated with this agreement are covered for buildings built in the service territory of the electric sponsor. For buildings built in an area serviced by a municipal electric company, and heated by natural gas, incentives will be paid by the appropriate gas utility sponsor.
- Incentive awards are based on building information (square footage, number of units, number of stories, common spaces, etc.) submitted at time of application. Actual incentives paid will be based on the building as built and any differences will result in adjustments

in the incentive award. The program reserves the right to request as-built documentation to verify final incentive payments.

- SPONSORS, ITS AGENTS, AND EMPLOYEES DO NOT WARRANT THE PERFORMANCE OF INSTALLED OR SERVICED EQUIPMENT EXPRESSLY OR IMPLICITLY. Program sponsor makes no warranties or representation of any kind whether statutory, expressed or implied, including without limitations, warranties or merchantability or fitness for a particular purpose regarding the HVAC equipment or services provided by a manufacturer or vendor. Contact your contractor for details regarding equipment performance or warranties.

Additional Information

- The Multifamily New Construction Pilot program is in alignment with the emerging statewide requirement that mandates whole building assessments for all multifamily projects.
- Participation in the Multifamily New Construction Pilot program is voluntary on behalf of the sponsors and the applicants. The sponsors have the right to change or modify the existing program at any time. The sponsors of the program, their agents, and employees are indemnified against all loss, damage, expense, and liability resulting from injury to or death of persons, and against all injury to property arising out of or in any way connected with the performance of this agreement.
- The Energy Efficiency Program Provider (EEPP), in this case the program sponsors, is entitled to 100% of the energy benefits associated with the Energy Cost Measurements, excluding the value of energy cost savings realized by the customer, but including all rights to all associated ISO-NE Energy Capacity and Reserves Products, and the customer agrees to provide the EEPP with such further documentation as the EEPP may request to confirm the EEPP's ownership of such benefits and products.



Multifamily New Construction Pilot Program

Third Party Verification Providers

The following is a list of qualified third-party program verifiers. This list is for informational purposes only. The Program **DOES NOT** endorse any of these providers nor guarantee that these are the only providers in the area. The Program requires Third Party Verification from a provider who is either HERS certified or Building Performance Institute (BPI) certified and submits acceptable qualifications to the Program.

Advanced Building Analysis, LLC

Michael A. Browne
2 Woodlawn Street
Amesbury, MA 01913
P: 978.270.3911
energystar@advancedbuildinganalysis.com
www.advancedbuildinganalysis.com
Territory Served – All of Massachusetts

Cozy Home Performance LLC.

Mark Lantz
74 Lyman Rd.
Northampton, MA 01060
P: 413.529.0200
info@mycozyhome.org
www.mycozyhome.org
Territory Served – All of Massachusetts

Infrared Diagnostic LLC

Flemming Lund
9 Elaine Road
Sudbury, MA 01776
P: 978.440.9900
info@infrareddiagnostic.com
www.InfraredDiagnostic.com
Territory Served – All of Massachusetts

Center for Ecological Technology

Megan McDonough
320 Riverside Drive, 1A
Northampton, MA 01062
P: 413.586.7350 ext. 221
meganm@cetonline.org
www.cetonline.org
Territory Served – Western & Central
Massachusetts

GDS Associates

Bruce Bennett
1181 Elm Street, Suite 205
Manchester, NH 03101
P: 800.437.4495
bruce.bennett@gdsassociates.com
www.gdsassociates.com/nh
Territory Served – All of Massachusetts

Reclaimed Energy, Inc.

Ted Staples
1 Wagon Road
Ayer, MA 01432
P: 508.479.7525
ebs@reclaimedenergygroup.com
www.reclaimedenergygroup.com
Territory Served – All of Massachusetts

Conservation Services Group

Caitriona Cooke
40 Washington Street
Westborough, MA 01581
P: 866.342.9989
ma-newconstruction@csggrp.com
www.csggrp.com
Territory Served – All of Massachusetts

Green Stamp

Benjamin Marshall
184 Riverview Ave, Second Floor
Waltham, MA 02453
P: 781.899.3618
ben@greenstampinsulation.com
www.GreenStampInsulation.com
Territory Served – All of Massachusetts

Steven Winter Associates, Inc.

Mark Price
28 Walnut Street
Maynard, MA 01754
P: 617.894.8620
mprice@swinter.com
www.swinter.com
Territory Served – All of Massachusetts

The Sponsors of the Multifamily New Construction Pilot Program are:



nationalgrid

The power of action.™



Multifamily New Construction Pilot Program

Instructions for Compact Fluorescent Lamps (CFLs) & Fluorescent Fixtures

Program Requirements:

- 50% CFLs must be installed in all residential units (up to 100% CFL installation is incentivized by the program).
- Program approved screw-based CFLs and pin-based fluorescent fixtures count toward the % total of installed fixtures.
- On average, a project will receive an incentive of \$10.50 per fixture, screw-based or pin-based, to cover the purchase and installation cost of any program qualified in-unit residential lighting measures.
- Energy Federation Incorporated (EFI) is the designated sole source program provider for screw based CFLs. CFLs may not be ordered via any other distributor.
- Hard-wired pin-based fixtures can be purchased from any supplier the developer or their purchasing agent deems most appropriate, since these fixtures are less likely to be covered by a utility sponsored program.
- ENERGY STAR® qualified or equivalent technical performance CFLs and fixtures must be used.

To establish a credit account with EFI:

Energy Federation Incorporated (EFI)

40 Washington Street, Suite 2000
Westborough, MA 01581-1088

Phone: 800-876-0660 ext 1
Fax: 888-440-4219
Email: wholesale@efi.org
<http://www.efi.org/>

A credit application may be downloaded from the EFI web site. www.efi.org/wholesale/credit_app.pdf





Multifamily New Construction Pilot Program

Compact Fluorescent Lamps (CFLs) ORDER FORM

Style	Description	Part Number	Replaces Incandescents*	Dimensions (inches)	Outdoor Use**	Price	Quantity Requested
Spiral	15w Earthmate Spiral	1100.323	60w (hidden)	1.6 x 4.09	Y (e)	\$2.45	
	20w Earthmate Spiral	1100.324	75w (hidden)	2.5 x 4.37	Y (e)	\$2.75	
	23w Earthmate Spiral	1100.325	100w (hidden)	2.05 x 4.65	Y (e)	\$3.05	
	30w Harmony Lightwiz Spiral	1100.874	120w (hidden)	2.05 x 5.4	Y (e)	\$3.49	
Capsule	14w TCP "A" Lamp	1100.794	60w (visible)	2.4 x 4.8	Y (e)	\$6.56	
	GE Energy SmartA21	1100.717	75w (visible)	2.64 x 5.25	N	\$7.27	
	20w Maxlite MiniBulb A20	1100.927	75w (visible)	2.6 x 5.8	Y (e)	\$3.84	
Globe	15w FEIT Globe	1100.242	60w (visible)	6.2 Length	N	\$4.20	
Reflector and Flood	14w Philips R20 Marathon	1160.505	45w (small reflector)	4.6 x 2.5	N	\$10.90	
	15w Philips R30 Marathon	1160.471	65w (reflector/recessed)	3.7 x 5.7	N	\$7.66	
	16w Philips R30 Dimmable Flood	1160.461	65w (reflector/recessed)	3.7 x 5.7	N	\$14.25	
	15w GE R30 Dimmable	1160.607	65w (reflector/recessed)	3.7 x 5.1	N	\$11.49	
	26w GE R40 Flood	1160.613	75w (reflector/recessed)	5.0 x 6.5	N	\$10.25	
	26w GE Par38 Soft White Flood	1160.612	90w (reflector/recessed)	4.75 x 5.6	N	\$9.10	
	15w GE R30 Soft White Flood	1160.611	60w (reflector/recessed)	3.7 x 5.5	N	\$6.54	
	23w TCP Par38	1160.649	90w (larger reflector)	4.75 x 6.5	Y	\$8.76	
	23w FEIT R38 Outdoor Flood	1160.08	90w (outdoor flood)	4.7 x 5.8	Y	\$6.07	
3-Way CFL	11/15/25w FEIT 3-Way	1100.944	30/70/100w (3-way hidden)	2.25 x 6.2	N	\$7.22	
	15/25/33w Lightwiz 3-Way	1100.333	40/75/100w (3-way hidden)	2.5 x 5.3	N	\$6.21	
Candelabra Base	9w TCP Candelabra	1100.758	30w (candelabra base)	1.7 x 4.4	Y (e)	\$6.61	
	14w TCP Candelabra	1100.760	60w (candelabra base)	1.9 x 5.4	Y (e)	\$6.95	
Dimmable Spiral	25w Maxlite DimMax Spiral	1100.933	100w (dimmable hidden)	2.3 x 5.0	N	\$11.24	

* lamp is not visible (hidden); lamp is visible (visible) ** Y=Yes; N=No; (e)=Enclosed

Customer Name _____
 Project Name _____
 Project ID#: _____
 Project address (where bulbs will be installed): _____
 Shipping Name and Address (if different): _____

4/1/2010

Submit this order form directly to EFI via fax at 888.440.4219 or e-mail wholesale@efi.org.



The Multi-Family New Construction Pilot Program is sponsored by National Grid Electric and Gas and NSTAR Electric and Gas.