



# FY2016 Notice of Changes

## Residential New Construction Programs

The New Jersey Board of Public Utilities, at its' June 17, 2015 Board Agenda meeting, approved the New Jersey Clean Energy Program's Residential Energy Efficiency and Renewable Energy Fiscal Year 2016 compliance filing which runs from July 1, 2015 through June 30, 2016.

The filing contained significant program changes to the Residential New Construction Program as outlined below. These changes will go into effect **September 1, 2015**.

**Submission of new enrollments under the 2015 Program will be accepted through August 31, 2015. Beginning September 1, 2015 Construction Documents must be submitted with the Site Registration Form per R103 of the 2015 IECC.**

### ***ENERGYEfficient Home (Tier 1)***

This tier helps prepares the market for the pending adoption of IECC 2015 by incorporating many of the requirements of the new code. While these homes will not be fully compliant with IECC 2015, they will allow builders to start to prepare to meet the requirements of IECC 2015 and will likely recruit new builders to the program. These homes will carry the NJ ENERGYEfficient Home label. The incentive structure within this tier will be performance based with higher incentives for higher performance using the HERS index as the indicator.

### ***ENERGY STAR® Home (Tier 2)***

Builders that enroll in Tier 2 will satisfy the requirements for ENERGY STAR Version 3 utilizing the Performance Path, including full inspection checklist requirements. Homes that meet these requirements will be ENERGY STAR certified. The incentive structure within this tier will be performance based with higher incentives for higher performance using the HERS index as the indicator.

### ***Zero Energy Ready Home (Tier 3)***

This tier of the program recognizes the highest energy efficiency achievement in new homes. It is an example of New Jersey's national leadership in residential new construction, and has been showcased at several energy efficiency industry conferences as an example for other programs to follow. Program requirements include meeting or exceeding all DOE Zero Energy Ready Homes technical standards including compliance with ENERGY STAR Homes Program and all checklists, meet 2012 IECC insulation levels and certify to EPA's Indoor airPlus Program. The incentive structure within this tier will be performance based with higher incentives for higher performance using the HERS index as the indicator.

### ***Zero Energy Home 100% Renewables (Tier 3 Plus)***

This tier has all of the same requirements as Tier 3 with the additional requirement that 100% the building's



# FY2016 Notice of Changes

modeled energy usage be met by renewable energy systems installed at the time of completion of the home. The incentive structure within this tier will be performance based with higher incentives for higher performance using the HERS index as the indicator. Incentives will be paid based upon the HERS score before the addition of renewables.

## ***ENERGY STAR Multifamily High Rise***

Multifamily buildings at 4 to 6 floors are eligible for ENERGY STAR Multifamily High-Rise (MFHR Program). The incentive structure within this program is variable based upon building performance.

### **PROGRAM TECHNICAL REQUIREMENTS**

The technical detail presented for each tier is a summary that represents the majority of the program requirements. The full technical specifications for NJCEP RNC program compliance can be requested from the Market Manager. The ENERGY STAR and ZERH program requirements (e.g. checklists, standards and modeling inputs) are periodically updated and supersede technical requirements listed in this Notice.

#### ***ENERGYEfficient Home (Tier 1) Requirements:***

The Tier 1 technical requirements strive to create a balance between meeting the IECC 2015 mandatory requirements, while recognizing the difficulty for multifamily and smaller homes to meet the performance-based requirements including infiltration levels and lower HER indices. All Tier 1 homes must meet the IECC 2015 mandatory requirements from Residential Provisions including:

- Construction Documents required (R103)
- Thermal envelope efficiency shall be greater than or equal to the levels of efficiency in Table 402.1.2 or 402.1.4 of the IECC 2009 International Energy Conservation Code.
- *ENERGYEfficient Home* Checklists listing mandatory requirements of IECC 2015

#### **The following exceptions from the IECC 2015 mandatory requirements include:**

Exception: Maximum infiltration ACH50 thresholds as noted below

Multi-family 6 ACH50	Multi-single: 5 ACH50	Multi-single: 4 ACH50
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Exception: Maximum HERS Threshold

Multi-family: HERS 75	Multi-single: HERS 70	Multi-single: HERS 65
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#### **ENERGY STAR Home (Tier 2) Requirements:**

Meet all EPA ENERGY STAR Home v3.0 Performance Path standards including:



# FY2016 Notice of Changes

- Meet or exceed the ENERGY STAR HERS Index Target

Comply with all ENERGY STAR mandated checklists

Additional NJCEP RNC Program Requirements:

- Construction Documents required (R103)
- Maximum HERS index

Multi-family: HERS 75

Multi-single: HERS 70 Multi-single: HERS 65

### **Zero Energy Ready Home (Tier 3) Requirements:**

Meet or exceed all DOE Zero Energy Ready Home technical standards including:

- Comply with ENERGY STAR Home Program and all checklists
- Meet 2012 IECC insulation levels
- Certify to EPA's Indoor airPlus Program

Additional NJCEP RNC Program Requirements:

- Maximum HERS index of 50

### **Zero Energy Home 100% Renewable (Tier 3 Plus) Requirements:**

Meet or exceed all Tier 3 requirements as described above.

Additional NJCEP RNC Program Requirements:

- 100% the building's modeled site energy usage be met by renewable energy systems installed onsite at the time of completion of the home

### **ENERGY STAR Multifamily High-Rise Requirements:**

Meet or exceed EPA ENERGY STAR Multifamily High Rise (MFHR) Program standards including:

- A 15% more energy efficient than MFHR buildings built to the American Society of Heating, Refrigerating and Air-Conditioning Engineers (ASHRAE) Standard 90.1-2007

Follow Performance Path which utilizes ASHRAE approved energy modeling software to determine energy savings of a customized set of measures.

**INCENTIVE STRUCTURE**

	<b>Tier 1</b>	<b>Tier 2</b>	<b>Tier 3</b>	<b>Tier 3 Plus</b>
HERS (before renewables)	<i>ENERGY</i> Efficient Home	ENERGY STAR Home	Zero Energy Ready Home	Zero Energy Home 100% Renewables
75*	\$125	\$625		
70**	\$375	\$1,125		
65	\$750	\$1,750		
60	\$1,000	\$2,000		
55	\$2,000	\$3,000		
50	\$3,500	\$4,500	\$6,500	\$9,500
45	\$6,250	\$7,250	\$9,250	\$12,250
40	\$9,250	\$10,250	\$12,250	\$15,250
35	\$12,750	\$13,750	\$15,750	\$18,750
30	\$16,250	\$17,250	\$19,250	\$22,250
25	\$17,250	\$18,250	\$20,250	\$23,250
20	\$18,250	\$19,250	\$21,250	\$24,250

Multi single units receive 75% of the incentive and multifamily units 50% of the incentive

\*Multifamily **ONLY**

\*\*Multi single and Multifamily **ONLY**



# FY2016 Notice of Changes

## Multifamily High Rise Incentive Structure

Savings Before RE	Incentive Per Unit
15%	\$1,250
20%	\$1,500
25%	\$1,750
30%	\$2,000
35%	\$2,250

If you have questions regarding program changes or effective dates, contact us at 866-NJSMART (657-6278).