

Technical Bulletin

Important Information for Energize Connecticut
Residential New Construction (RNC) Program
Participants

THANK YOU FOR YOUR PARTNERSHIP.



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Significant program updates effective immediately.

Eversource and United Illuminating have announced a number of program modifications for 2024 applicable to all new projects not currently enrolled.

We want to make you aware of the key takeaways from our initial review and clarifications with the program managers.

Summary of Changes:

- The previous **HERS Rating** pathway and tiered **All-Electric Bonus** pathway have been combined into a single pathway now referred to as the **All Electric Home Incentive**.
- Projects must still achieve a HERS Index of 55 or less, but the HERS incentive tiers have been restructured as outlined in the table below:

All-Electric Home Incentive					
Tier	HERS Index Score	Total UA Alternative Compliance*	Single Family Rebate	Single Family Attached Rebate	Multifamily Rebate
1	≤ 55	≥ 7.5% better than 2021 IECC	\$7,500	\$3,000	\$1,500
2	≤ 45	≥ 15% better than 2021 IECC	\$10,000	\$4,000	\$2,500
3	≤ 15	≥ 25% better than 2021 IECC	\$12,500	\$5,000	\$3,500

**Note that if the minimum HERS scores cannot be achieved, projects may instead comply with the minimum Total UA Alternative Compliance targets set forth in the table*

The specification requirements associated with the previous All-Electric Bonus pathway are now required for all projects. The resulting additional requirements are not substantial, but changes noted are as follows:

- Single family projects are now required to install only Heat Pump Water Heaters (HPWH) for domestic hot water
- EV Readiness is a requirement for single family projects only

Other Noteworthy Details:

- Income Eligible properties will still qualify for enhanced incentives
- Projects applying for Tier 2 or 3 incentives must still meet the 2024 Zero Energy Ready Home PV-Ready Checklist (Connecticut Version).
- The Heat Pump Adder Incentives have been adjusted and are available for air source heat pumps that meet CEE Tier 2 qualification or ENERGY STAR certified ground source heat pumps.

Significant program updates effective immediately (continued).

Other Noteworthy Details (continued):

- The High-Performance Certification Bonus remains unchanged and can be applied to up to two certifications per unit for projects that achieve any of the certifications outlined below:

High-Performance Bonus Incentive			
Certification	Single Family Applicant Rebate	Single Family Attached Applicant Rebate	Multifamily Applicant Rebate
LEED for Homes, National Green Building Standard Silver, or ENERGY STAR	\$500	\$250	\$250
DOE Zero Energy Ready Home	\$750	\$500	\$500
Passive House	\$1,000	\$1,500	\$1,500

Note that additional specifications and total project incentive caps apply. Please refer to the attached updated 2024 Project Application and supporting documentation for more details:

- 2024 – RNC Program Application
- 2024 – RNC Program Requirements
- 2024 – RNC EV Checklist
- 2024 – RNC PV Checklist
- 2024 – Income Verification Form

The EnergizeCT program managers are aware of some inconsistencies in the attached materials and will be issuing updates shortly. We will reach out again as more information becomes available.

Thank you for your partnership and continued commitment to high performance construction. Please reach out if you have any questions.



Residential New Construction 2024 Project Application

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INSTRUCTIONS:

1. The Residential New Construction ("RNC") program is available to customers building a home or significant rehabilitation project within the residential service territory of United Illuminating, subsidiary of AVANGRID, Inc. ("UI"), and The Connecticut Light and Power Company, doing business as Eversource Energy ("Eversource" and with United Illuminating, "Utilities"). To apply, the applicant must first fill out the project contacts and project information below. A certified HERS Rater must be contracted by the applicant. A list of HERS Raters and a description of what is included in their services can be found in the new construction and building efficiency solution area on **EnergizeCT.com**
2. In order to be eligible for incentives through the RNC program, homes/dwelling units must utilize all-electric equipment for space heating, water heating, oven/range and clothes drying. Fossil fuel burning combustion appliances for space heating, water heating, oven/range or clothes drying are not permitted. All air source heat pumps installed for space heating must be listed on the Energize CT Heat Pump Qualified Product List.

FILLING OUT THIS FORM DOES NOT AUTOMATICALLY QUALIFY YOU FOR THE RESIDENTIAL NEW CONSTRUCTION PROGRAM.

3. Upon submitting the application, the Utilities will review the application and sign it if the requirements have been met. If they have not, or if additional upgrades can be made, the Utility will contact the applicant to discuss all options. The applicant is not bound to the initial specifications; however, any changes are still subject to the minimum requirements listed on this application.
4. Once the home is complete and a final inspection has been completed by a HERS Rater, the applicant and HERS Rater are responsible for submitting the "As Built" required paperwork within two months of completion or the rebate will be forfeited. A HERS Rater may submit the application on behalf of the applicant. Once all paperwork has been submitted and the package has been reviewed by the utility, the payment may be processed and paid TO THE APPLICANT by UI and/or Eversource (applicant might receive separate checks from each utility). Please review the 2024 Residential New Construction Program Requirements and Submission Checklist document for a full listing of required documentation.

NOTE: RNC projects where residents meet state limited income eligibility requirements (see income eligibility limits on the income eligibility form) will receive an additional 25 percent HERS Rating Path bonus rebate for qualifying measures on this application.

Project Contacts

Applicant's First & Last Name (please print):

Applicant's Mailing Address:

City: State: ZIP:

Telephone: Email:

Applicant's Company Name (if applicable):

Name of HERS Rater:

Name of HERS Rating Company:

Builder Company Name:

Builder Contact Name:

Telephone:

Email:

Project Information

Project Name (if applicable):

Project Location (Address and City):

Construction Start Date: Expected Completion Date:

Permit Number (Optional): No. of Buildings in Project: No. of Units in Project:

Electric Utility (check one):

☐ Eversource ☐ UI

Unit Type:

☐ Single Family Detached ☐ Multifamily ☐ Single Family Attached

Project Type:

☐ Market Rate ☐ Low Income (Below 60% State Median Income)

Renewables:

☐ Yes ☐ No

Project completed in phases? 2024 Unit Completions: 2025 Unit Completions:

☐ Yes ☐ No

Building Code:

2021 IECC:

Other:

Contact Information

Eversource
107 Selden Street, Berlin, CT 06037
Contact: Nicholas Jones
Email: Nicholas.Jones@eversource.com
Phone: 860-665-5825 Fax: 860-665-3030

or

United Illuminating, SCG and CNG
60 Marsh Hill Road, M/S 3, Orange, CT 06477
Email: UI.RNC@uinet.com
Phone: 877-947-3873 Fax: 203-499-2800



Residential New Construction 2024 Project Application

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Residential New Construction Rebate Paths

Below is the rebate path for which the Utilities will provide rebates on residential new construction or significant rehabilitation projects. In order to participate, the applicant, at their own expense, must hire the services of a HERS Rater to complete the necessary energy modeling inspections and testing of the home. A list of certified HERS Raters can be found at [EnergizeCT.com](https://energizect.com)

Check the boxes below to indicate which track the home will follow and fill out the initial plan section:

☐ HERS Rating Path

☐ High Performance Certification Bonus Rebate

Initial Plan (Before Construction)

HERS Index (as Designed)

Applicant Rebate \$

As-Built (Post-Construction)

HERS Index (as Built):

Applicant Rebate \$

All-Electric Home & High Performance Certification Bonus Incentives

All-Electric Home Incentive

Requirements	Tier	Single Family Applicant Rebate	Single Family Attached Applicant Rebate	Multifamily Applicant Rebate
1. Projects pursuing the All-Electric Home Incentive must be built to the specifications indicated on the All-Electric Home Specification form(s) (Pages 3-4) 2. Incentives capped at \$500,000 per project (Tier 1), \$750,000 per project (Tier 2), and \$1,000,000 per project (Tier 3)	<input type="checkbox"/> Tier 1	\$7,500	\$3,000	\$1,500
	<input type="checkbox"/> Tier 2	\$10,000	\$4,000	\$2,500
	<input type="checkbox"/> Tier 3	\$12,500	\$5,000	\$3,500

Heat Pump Adder Incentive

Requirements	CEE Tier/ENERGY STAR®	Single Family Applicant Rebate	Single Family Attached Applicant Rebate	Multifamily Applicant Rebate
Air source heat pump systems must meet Consortium for Energy Efficiency (CEE) Tier 2 specifications.	CEE Tier 2 (Air Source)	\$125/Ton (\$500 Cap/Unit)		\$75/Ton (\$300 Cap/Unit)
Ground source heat pumps must meet current ENERGY STAR certified requirements.	ENERGY STAR (Ground Source)	\$250/Ton (\$1000 Cap/Unit)		\$125/Ton (\$500 Cap/Unit)

High Performance Certification Rebate Chart

Requirements	Qualifying Criteria (Please check all that apply)	Single Family Applicant Rebate	Single Family Attached Applicant Rebate	Multifamily Applicant Rebate
1. Additional energy modeling and design incentives available for Single Family Attached and Multifamily Passive House projects with 5 or more units. Please refer to Passive House Incentives form. 2. Must provide all proper documentation for certification. 3. Passive House Certification Bonus Project cap is \$60,000; all other certification bonus project caps limited to \$20,000. 4. Rebate is available for up to a maximum of two certifications per home. 5. All projects must provide HERS Rating documentation from HERS Rating Path participation, above.	<input type="checkbox"/> Passive House*	\$1,000	\$1,500	\$1,500
	<input type="checkbox"/> DOE Zero Energy Ready Home	\$750	\$500	\$500
	<input type="checkbox"/> LEED for Homes	\$500	\$250	\$250
	<input type="checkbox"/> NGBS Silver	\$500	\$250	\$250
	<input type="checkbox"/> ENERGY STAR	\$500	\$250	\$250

*Living Building Challenge projects will also be considered for additional incentives under Passive House incentive on a project-by-project basis. Consult with Utility Program Administrator on these projects.

**Homes applying/qualified for Tier 2 and 3 HERS Rating must meet the 2024 Zero Energy Ready Home PV-Ready Checklist (Connecticut Version). Details are listed on the "2024 Residential New Construction Program Requirements and Submission Checklist."

Summary of Rebates: Total for Entire Project

Measures	Initial Plan	Estimated Total	As-Built	Installed Total
All-Electric Home Incentive	Applicant Rebate	\$	Applicant Rebate	\$
Additional Project Incentives	Applicant Rebate	\$	Applicant Rebate	\$
	Estimated Total (For the Entire Project)	\$	Estimated Total (For the Entire Project)	\$



Residential New Construction 2024 Project Application

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All-Electric Home Specification Sheet

Multifamily Dwellings			
	Tier 1	Tier 2	Tier 3
Total UA Alternative Compliance or HERS Index Score ¹	Total UA \geq 7.5% better than 2021 IECC or HERS Index Score \leq 55	Total UA \geq 15% better than 2021 IECC or HERS Index Score \leq 45	Total UA \geq 25% better than 2021 IECC or HERS Index Score \leq 15
Heat Pump (Space Heating) ²	Required		
Space Conditioning Connectivity & Controls ³	Optional	Required	
Heat Pump (Domestic Hot Water) ⁴	Optional	Required	
Hot Water Distribution Efficiency ⁵	Optional	Required	
Envelope Infiltration Rate	CFA ⁶ > 850 sq. ft. : ACH ₅₀ \leq 4.0	CFA ⁶ > 850 sq. ft. : ACH ₅₀ \leq 3.0	CFA ⁶ > 850 sq. ft. : ACH ₅₀ \leq 2.5
	CFA ⁶ < 850 sq. ft. : ACH ₅₀ \leq 5.0	CFA ⁶ < 850 sq. ft. : ACH ₅₀ \leq 4.0	CFA ⁶ < 850 sq. ft. : ACH ₅₀ \leq 3.0
Duct Leakage Rate (CFM)	2021 IECC code minimum requirements		All ductwork must be located in conditioned space
Balanced Ventilation Systems	Optional	Required HRV/ERV (\geq 70% SRE ⁷ / \geq 40% TRE ⁸)	
Induction Cooking ⁹	Optional		Required
Electric Vehicle Readiness ¹⁰	Required		
Solar PV ¹¹	Optional		Required

¹ HERS Index Score calculated before on-site generation for Tiers 1&2; HERS Index Score must be \geq 40 before on-site generation for Tier 3

² Installed individual heat pump systems must be listed on the EnergizeCT Heat Pump Qualified Product List; Centralized heat pump systems must be greater than minimum federal standard efficiency

³ Must meet EPA "connected" criteria, ENERGY STAR™ Certified Smart Thermostat criteria, or must be Wi-Fi enabled thermostat; Space Conditioning Connectivity not required for central heat pump systems

⁴ Heat Pump Water Heaters (HPWH) must meet minimum performance standards for the EnergizeCT Heat Pump Water Heater rebate program; In scenarios where heat pump water heaters (HPWH) cannot be installed due to design limitations, electric resistance storage water heaters can be used, but must meet specific distribution and system efficiency requirements. See EnergizeCT Multifamily Heat Pump Water Heater Guidelines for more details on these standards.

⁵ All DHW fixtures must be WaterSense™ certified or equivalent & all DHW piping insulated to \geq R-3

⁶ CFA = Conditioned floor area

⁷ SRE = Sensible recovery efficiency

⁸ TRE = Total recovery efficiency

⁹ Cooking must be all-electric for range/oven; Induction cooking not required for low-to-moderate income housing

¹⁰ CT EV-Ready Checklist required

¹¹ Solar PV must be designed and installed to meet at least 80% of the annual energy usage of the residential dwelling units in the building



Residential New Construction 2024 Project Application

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All-Electric Home Specification Sheet

Single Family & Single Family Attached Dwellings

	Tier 1	Tier 2	Tier 3
Total UA Alternative Compliance or HERS Index Score ¹	Total UA ≥ 7.5% better than 2021 IECC or HERS Index Score ≤ 55	Total UA ≥ 15% better than 2021 IECC or HERS Index Score ≤ 45	Total UA ≥ 25% better than 2021 IECC or HERS Index Score ≤ 10
Heat Pump (Space Heating) ²	Required		
Space Conditioning Connectivity & Controls ³	Optional	Required	
Heat Pump (Domestic Hot Water) ⁴	Required		
Hot Water Distribution Efficiency ⁵	Required		
Envelope Infiltration Rate (ACH)	ACH50 ≤ 2.5	ACH50 ≤ 2.0	ACH50 ≤ 1.5
Duct Leakage Rate (CFM)	2021 IECC code minimum requirements	All ductwork must be located in conditioned space	
Balanced Ventilation Systems	Optional	Required HRV / ERV (≥70% SRE / ≥40% TRE)	
Induction Cooking ⁶	Optional		Required
Electric Vehicle Readiness ⁷	Required		
Solar PV ⁸	Optional		Required

¹ HERS Index Score calculated before on-site generation for Levels 1 & 2; HERS Index Score must be less than or equal to 40 before on-site generation for Level 3

² Installed individual heat pump systems must be listed on the *Energize CT Heat Pump Qualified Product List*; Centralized heat pump systems must be greater than minimum federal standard efficiency

³ Must meet EPA "connected" criteria, ENERGY STAR Certified Smart Thermostat criteria, or must be Wi-Fi enabled thermostat

⁴ Heat Pump Water Heaters (HPWH) must meet minimum performance standards for the *Energize CT Heat Pump Water Heater* rebate program; In scenarios where heat pump water heaters (HPWH) cannot be installed due to design limitations, electric resistance storage water heaters can be used, but must meet specific distribution and system efficiency requirements. See *Energize CT Multifamily Heat Pump Water Heater Guidelines* for more details on these standards.

⁵ All DHW fixtures must be WaterSense® certified or equivalent & All DHW piping insulated to $\geq R3$

⁶ Cooking must be electric for range/oven; Induction cookware not required in low-to-moderate income housing

⁷ CT EV-Ready Checklist required

⁸ Solar PV must be designed and installed to meet at least 80 percent of the annual energy usage of the home or dwelling unit

TERMS AND CONDITIONS

These Terms and Conditions are a part of the Project Application for the project listed on this application. Project Application must be submitted prior to completion of home. Necessary inspection may be conducted when measures have been installed.

Acceptance of Agreement

A signature by all parties indicates that the applicant's information has been received and that the characteristics listed on the application either meet the RNC program's requirements for the specific rebates for which the applicant is applying or have been discussed by Eversource/UI ("Companies") and applicant. The initial signatures do not bind the applicant to participate in the program. The signature by the property owner (if not the applicant) ensures that he/she is aware that the builder, vendor or other third party is participating in this rebate program and will receive the rebate payment should they meet the necessary criteria. He/she is also aware that a second application may not be submitted for the same property. This application expires two years from the date of approval by the Utility Program Administrator.

Applicant Signature (required):	Print Name:	Date:
Utility Signature (required):	Print Name:	Date:
Homeowner (if not Applicant) Signature (required):	Print Name:	Date:
HERS Rater Signature (required):	Print Name:	Date:

Applications must be signed by the Companies regardless of the electrical and natural gas service territory the project will be located within. This Project Application is in effect for 2 years following the date of acceptance of the Project Application by the Companies. All homes must be completed and ready for inspection within 2 years of the date of acceptance to be eligible to receive any rebates on this application. Any homes not completed within 2 years of the date of acceptance by the Project Application by the Companies may be subject to changes in the program. Applicants in the Residential New Construction Program may not apply for any additional rebates through the Energize CT residential programs as part of the same home construction which include, but are not limited to, the Upstream HVAC/water heating instant discount program at participating equipment distributors and retailers statewide.

The Builder/Homeowner agrees to allow the Companies and its agents access to the project for the purpose of conducting a Project Inspection(s) to confirm the home(s) has/have been constructed with all of the energy-saving characteristics, materials and equipment listed on the Project Agreement Form(s). All measures must be installed in order to qualify for rebate.

The HERS Rater represents that the project meets all of the national requirements associated with RESNET® approved HERS Rating or the respective certification (ENERGY STAR®, LEED, Passive House, NGBS, DOE Zero Energy Ready) that the project is achieving. The HERS Rater represents that the information in the final HERS Rating file is accurate to the as-built condition of the home. The HERS Rater for the project must be on the CT Residential New Construction Program list of Certified HERS Raters or must be listed on the Energize CT or the utility company websites.

If a HERS Rater submits information in the final HERS Rating file that does not accurately represent the as-built conditions of the home, the RNC Program will remove the HERS rating company from the List of Certified HERS Raters in the RNC Program and the HERS rating company will no longer be able to perform HERS ratings through the RNC Program.

Copies of all receipts with equipment make, model and size documenting the installation of the equipment once the project is complete must be submitted. Equipment includes insulation, HVAC and geothermal machines and hot water heaters. Rebates will not be paid until all appropriate paperwork has been submitted. In the case of HERS rated homes, an electronic HERS Rating file and HERC must be submitted. Please see the "2024 Residential New Construction Program Requirements and Submission Checklist" for a full list of requirements.

The payment of the rebates shown on the Project Application is contingent upon the home(s) being constructed with all of the energy-saving characteristics, materials and equipment listed in the "As Built" portion of the Project Application form(s). Rebates are subject to change at any time without notice. It is the responsibility of the applicant to select and pay for the services of a certified HERS Rater.

Applicant understands that all funding for rebates under this program derives from the Energy Efficiency Fund which is managed, in part, by Eversource and UI and funded, in part, by their customers. Neither Eversource nor UI guarantees the availability of funding for this program, and neither is responsible for any costs or damages incurred by applicant if funding for this program or the Energy Efficiency Fund is reduced or eliminated by the State of Connecticut, the Public Utilities Regulatory Authority (PURA) or other State of Connecticut action. Funding is subject to change at any time without notice.

The Companies assume that the signed applicant is the party to be paid and therefore will make the check payable to him/her. Only one payment will be issued for qualifying rebate for a given unit. A W-9 Form must be submitted at time of application indicating who the payment will be made out to. Builders/owners/vendors will not be permitted to apply separately for the same rebate. These rebates may not be combined with any other utility or energy service offer.

FORWARD CAPACITY MARKET AND CLASS III CREDITS:

ISO-NE CAPACITY PAYMENTS: By signing this document, and as a condition to receiving a rebate pursuant to this program, the customer acknowledges and agrees that any and all payments, benefits and/or credits associated with or applicable to the customer's participation in the program that is the subject of this Agreement in connection with the ISO New England, Inc. Forward Capacity Market ("FCM") or any existing, successor or replacement markets (including, but not limited to, any and all transitional FCM credits or payments or any and all other capacity-related credits, payments and/or benefits for which such customer is eligible) shall be deemed as and for capacity payments, credits and/or benefits of the Companies, as applicable. The customer hereby assigns to the Companies, as applicable, all of its right, title and interest in and to any and all such capacity payments, credits and/or benefits and agrees to take any and all action, including executing and delivering any and all documentation and/or instruments, as requested by the Companies, as applicable, to evidence the same. FCM means the market for procuring capacity pursuant to ISO-NE Tariff, FERC Electric Tariff No. 3, Section III, Market Rule 1, Section 13, any modifications to the FCM or any successor or replacement market/capacity procurement process.

Any Class III renewable energy credits and/or conservation credits received in connection with this program shall be retained by the Companies pursuant to the laws of the State of Connecticut and/or applicable PURA decision in effect as of the date hereof.

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2024 Residential New Construction Program Requirements and Submission Checklist

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General Participation Requirements

To participate in the Residential New Construction (RNC) energy efficiency rebate program, dwelling units/buildings must meet technical requirements listed in the document. Home Energy Rating Systems (HERS) Raters should fill out the "Initial Plan" section of the Residential New Construction Program Project Application ("Application") form in its entirety. The RNC program is an all-electric program for space heating, domestic hot water and cooking.

Building Type Participation:

A. The following building types are eligible for RNC program participation:

- Detached dwelling units (e.g., single-family homes);
- OR**
- Dwelling units in any residential building with four units or fewer;
- OR**
- Dwelling units in any residential building with four stories or fewer above grade;
- OR**
- Dwelling units in any five+ story residential buildings

Multifamily buildings with five stories above grade or greater may be subject to the Multifamily Whole Building Performance (WBP) initiative if more than 20 percent of the total building square footage is non-residential space. Contact the utility for WBP program requirements.

- #### B. Dwelling units which will be constructed from the "ground-up" as well as units which will be "gut-rehabbed" or fully rehabilitated are eligible for program participation. For purposes of this program, gut-rehabbed buildings must expose all exterior walls and have a plan in place to reinsulate or for the existing insulation to meet Residential Energy Services Network® (RESNET) Grade 1 standards. Additionally, the remainder of the thermal envelope (ceilings, floors, etc.), must be reinsulated or inspected to meet RESNET Grade 1 standards. Gut-rehabbed buildings must also replace all existing windows or verify that existing windows meet the current ENERGY STAR® certified window standards.

Homes outside of these guidelines may be eligible to receive incentives under other utility programs, contact your utility Program Administrator for more details.

Program Compliance Requirements for HERS Ratings:

A. General Requirements

- a. Homes following this path must use a RESNET-certified HERS Rater approved in Connecticut. A listing can be found on **EnergizeCT.com**
- b. It is encouraged that the project's initial Application is submitted to the respective utility before construction. The cut-off time period for submitting the initial Application is before drywall is installed.
- c. Each participating dwelling unit must have its own verified Ekotrope or REM/Rate file submitted electronically to the utility. The Ekotrope or REM/Rate file must be the final version and contain a RESNET Registry ID.
- d. The RNC program will recognize sampling procedures per RESNET standards. Utilities will verify that the HERS Rater and their HERS Provider are RESNET approved to conduct sampling.

B. Technical Requirements

- a. Must install whole-house mechanical ventilation that meets American Society of Heating, Refrigerating and Air-Conditioning Engineers (ASHRAE) 62.2 guidelines. Examples of ventilation options include exhaust only, supply only or balanced systems. System must be tested by HERS Rater for properly configured air flow.
- b. Must install ENERGY STAR® certified LED lighting in 100 percent of lighting fixtures. Exceptions can be made on a case-by-case basis if LED products are not available or not appropriate for a specific fixture in the home.
- c. Must have an ENERGY STAR certified refrigerator, clothes washer, clothes dryer and dishwasher.
- d. In order to verify the thermal envelope, the HERS Rater is required to perform a visual inspection prior to drywall using the most current version of the International Energy Conservation Code (IECC) Air Barrier and Insulation Inspection Component Criteria (Table 402.4.2). The thermal envelope must be installed to RESNET Grade 1 standards.

- e. A post-construction blower door test must be conducted and must meet current energy code requirements.
- f. If the dwelling unit contains air ducts for heating and/or cooling supply, a post-construction duct leakage test must be conducted and must meet current energy code requirements.
- g. Heating and cooling equipment sizing must be submitted and reviewed by HERS Rater in accordance with the most current version of IECC Section R403.6.
- h. Single family homes applying and qualifying for Tier 2 and 3 HERS Rating must meet the 2024 PV-Ready and 2024 EV-Ready Checklists (Connecticut Version). Homes not meeting this requirement will only be eligible for Tier 1 HERS rebates. Any unforeseen reasons that cause a project to not meet the PV-Ready or EV-Ready requirements can be discussed with the utility for further review.
- i. For Tier 3 applicants, rebates will be paid below a HERS of 40 and to a maximum of a HERS of 0. Tier 3 applicants must meet requirements of the 2024 PV-Ready and EV-Ready Checklists.
- j. If an electric resistance storage water heater is used to provide domestic hot water, the EF must be at least 0.95 (UEF ≥ 0.93), R-4 pipe insulation must be installed, kitchen faucets must be ≤ 2.0 gpm, and at least 2/3 of all toilets, bathroom faucets/aerators and showerheads must be WaterSense® certified or equivalent.
- k. For Single-Family Attached and Multifamily projects, if an integrated heat pump water heater (HPWH) is used to provide domestic hot water, the Energize CT Multifamily Heat Pump Water Heater Guidelines must be met and verified by the HERS Rater. Where the guidelines cannot be met in their entirety for the given installation, an HPWH shall be modeled with a UEF of 0.95.



2024 Residential New Construction Program Requirements and Submission Checklist

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2024 Residential New Construction Application Submission Checklist:

The checklist below is intended to ensure that builders, contractors, homeowners or other applicants of the 2024 RNC program have included all necessary documentation and information required for rebate approval.

Required Paperwork:

Paperwork required to be submitted prior to construction:

- ☐ Applicant or HERS Rater will submit the completed Application with the "Initial Plan" indicating the "Estimated Total" rebate inclusive of all necessary signatures
- ☐ Income verification form if applying for Income Eligible
- ☐ W-9 Form
- ☐ Initial REM/Rate or Ekotrope file, submitted electronically to utility involved only for projects that have an estimated initial HERS rating below 40

Paperwork Required to Be Submitted After Construction Has Been Completed:

- ☐ Applicant or HERS Rater will submit the completed application with the "As Built" conditions, indicating the "Installed Total" rebate requested as well as the required documentation (as applicable) outlined below:
- ☐ Electronic REM/Rate or Ekotrope file
 - Eversource customers:** email to Nick Jones at nicholas.jones@eversource.com
 - UI customers:** email UI.RNC@uinet.com
- ☐ HERS Rater must submit a final Home Energy Rating Certificate (HERC) after successful verification by the HERS Rater's provider
- ☐ All Bonus certification documentation (if applicable)
- ☐ AHRI certificates for mechanical systems
- ☐ Low Income Verification Letter, available through the Utility (if applicable)
- ☐ 2024 RNC PV Readiness Checklist (if applicable)
- ☐ 2024 RNC EV Readiness Checklist (if applicable)

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EV-Ready Checklist

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All Connecticut single family homes participating in the Residential New Construction (RNC) program intending to achieve Home Energy Rating System (HERS) incentives within Tier 3 or 4 must comply with the Energize Connecticut EV-Ready Checklist. The intention of this checklist is to provide new electric vehicle charging, on site, with minimal future alterations to the building envelope and the building's electrical infrastructure.

Compliance with this checklist requires all new single family homes to facilitate the installation of a level 2 Electric Vehicle (EV) charging station.

Energize Connecticut EV-Ready Checklist

Component	Requirement	
Conduit	A conduit must be installed to accommodate a 240-volt, 40-amp circuit that terminates at an electrical circuit panel at one end and in a garage, or an exterior parking location, at the other end.	<input type="checkbox"/>
Electrical Enclosure	An approved electrical enclosure (outlet box) must be installed at a location suitable for a future charging station.	<input type="checkbox"/>
Circuit Breaker	Space must be available, and labeled, for a dedicated double-pole, 40-amp circuit breaker in the electrical distribution panel or subpanel.	<input type="checkbox"/>
Electrical Code Compliance	Installation must be completed by a licensed electrician and inspected by a certified electrical inspector.	<input type="checkbox"/>

Project Address (Street and Town):

HERS Rater Name and Company:

Date:

<input type="text"/>	<input type="text"/>
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Zero Energy Ready Home PV-Ready Checklist

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All single-family homes participating in the Residential New Construction (RNC) program must comply with the Connecticut Version of the Department of Energy (DOE) Zero Energy Ready Home National Program requirements for renewable readiness, provided that both the following conditions are met. If either of these conditions are not met, the home is exempt from requirements contained in the PV-Ready Checklist.*

NOTE: This checklist does not certify any home under the DOE Zero Energy Ready Home Program, but is meant to serve as a consolidated checklist for RNC program participation in the state of Connecticut. For more information on DOE Zero Energy Ready Home Certification, please visit: energy.gov/eere/buildings/zero-energy-ready-home-program

These requirements were adapted from the Environmental Protection Agency's Renewable Energy Ready Home Solar Photovoltaic Specification Guide (RERHPV Guide). For further guidance on any of the above items, this checklist notes the section of the guide. This guide can be accessed on the DOE Zero Energy Home Program website at www.eere.energy.gov/buildings/residential/pdfs/rerh_pv_guide.pdf

1. Location does not have significant natural shading (e.g., trees, tall buildings on the south-facing roof); **AND**
2. Home as designed has adequate free roof area within +/-45° of true south as noted in the table below:

Conditioned Floor Area of the House (sq. ft.)	Minimum Roof Area within +/- 45° of True South for PV-Ready Checklist to Apply (sq. ft.)
≤ 2,000	110
≤ 4,000	220
≤ 6,000	330
> 6,000	440

Note: If a solar photovoltaic system is included with the home, then compliance with the Consolidated Renewable Energy Ready Home (RERH) checklist is not required.

*Homes which don't meet these standards due to physical restrictions will be examined on a case-by-case basis.



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ZPV _____ sq. ft. (<i>RERHPV Guide 1.1</i>)	<input type="checkbox"/>
Identify orientation (azimuth) of proposed array location: PV _____ degrees. (<i>RERHPV Guide 1.2</i>)	<input type="checkbox"/>
Identify inclination of proposed array location: PV _____ degrees. (<i>RERHPV Guide 1.2</i>)	<input type="checkbox"/>
Provide code-compliant documentation of the maximum allowable dead-load and live-load ratings of the existing roof; recommended: allowable dead-load rating can support an additional 6 lbs./sq. ft. for future solar system. (<i>RERHPV Guide 2.1</i>)	<input type="checkbox"/>
Provide architectural drawing of solar PV system components. (<i>RERHPV Guide 3.5</i>) Alternative: Provide home buyer with the following information: <ul style="list-style-type: none">• List of renewable-ready features• Available free roof area within +/- 45° of true south• Location of panel or blocking for future mounting of PV system components• Location of breaker or slot for future breaker in electrical service panel• A copy of the PV-Ready Checklist• A copy of the RERH Solar PV Specification Guide	<input type="checkbox"/>
Install a 1" metal conduit for the DC wire run from the designated array location to the designated inverter location (cap and label both ends). (<i>RERHPV Guide 3.2</i>)	<input type="checkbox"/>
Install a 1" metal conduit from designated inverter location to electrical service panel (cap and label both ends). (<i>RERHPV Guide 3.3</i>)	<input type="checkbox"/>
Install and label a 4' x 4' plywood panel area for mounting an inverter and balance of system components. (<i>RERHPV Guide 3.1</i>) Alternative: Blocking is permitted to be used as an alternative to the 4' x 4' panel. The area designated for the future panel to mount PV components shall be clearly noted in the system documentation.	<input type="checkbox"/>
Install a 70-amp dual pole circuit breaker in the electrical service panel for use by the PV system (label the service panel). (<i>RERHPV Guide 3.4</i>) Alternative: Provide a labeled slot for a double-pole breaker in the electrical service.	<input type="checkbox"/>

Project Address (Street and Town):

Home Energy Rating System (HERS) Rater Name and Company:

Date:

<input type="text"/>	<input type="text"/>
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2024 Residential New Construction Income Verification

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Income Eligible (IE) properties may qualify for enhanced incentives. If you would like to proceed with an IE project through the Residential New Construction Program, you must include certain information in addition to the application so that we can verify eligibility:

- Enhanced incentives are available for any units where residents live at or below 60 percent of the state median income guidelines. Please see the table to your right for details
- If no units comply with IE guidelines, then the entire project will be evaluated as a market rate (MR) property

Applicant/Project Name:

Project Location:

Is current income verification on file in your office?	<input type="checkbox"/> Yes <input type="checkbox"/> No
What is the program for which income verification is collected (e.g., HUD, Section 8)?	<input type="text"/>
Does the property meet IE or MR guidelines?	<input type="checkbox"/> IE <input type="checkbox"/> MR
Number of IE or MR units?	<input type="text"/> IE <input type="text"/> MR

60% State Median Income Guidelines for the 2023–2024 Fuel Season

Family Size	Maximum Annual Income
1	\$41,553
2	\$54,338
3	\$67,124
4	\$79,910
5	\$92,695
6	\$105,481
7	\$107,878
8	\$110,275

ACCEPTANCE OF AGREEMENT

By signing this application, I certify that I am the owner, or an authorized agent, of the property located at the address listed on this application. Eversource and UI reserve the right to inspect tenant lists and to have reasonable access to the property located at the address listed on this application to inspect energy efficiency upgrade opportunities proposed for consideration under this program. By signing this form, I verify that I have reviewed income eligibility of the residents in each property and have determined that the residents satisfy the Residential New Construction income guidelines.

Owner/Manager's Name & Company:

Title:

Owner/Manager's Signature:

Date:

Send your completed application to the following address as it pertains to your residential electric and gas service territory:

Eversource
107 Selden Street, Berlin, CT 06037
Contact: Nicholas Jones
Email: Nicholas.Jones@eversource.com
Phone: 860-665-5825; Fax: 860-665-3030

or
United Illuminating
60 Marsh Hill Road, M/S 3, Orange, CT 06477
UI Residential New Construction
Email: ui.rnc@ui.net
Phone: 877-947-3873; Fax: 203-795-7627

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