Residential New Construction Program
Project Application 2013

Instructions:

1. First, fill out the project contacts and project information below. Then, review the sections titled "High Performance Home Certification Tracks" and "Prescriptive Measures" on the following pages of this application to determine which measures you will apply for and what the requirements are. Applicants can apply and receive incentives for both sections of the program or just one. If the Applicant is applying for any of the High Performance Home Certification incentives, he/she must select a certified Home Energy Rating System (HERS) rater to inspect and rate the home. The associated costs are the responsibility of the Applicant. A list of HERS raters and a description of what is included in their services can be found within the New Construction portion of each company's website. (www.energizect.com)
2. Please complete the "Initial Plan" sections, to the extent possible, and sign the signature section on the last page of this form and submit to the CL&P/UI Program Administrator PRIOR TO INSULATING THE HOME. If the Applicant is not the homeowner, the homeowner's signature must also be obtained. If homeowner is not yet known, the current property owner's signature is required. FILLING OUT THIS FORM DOES NOT AUTOMATICALLY QUALIFY YOU FOR THE RESIDENTIAL NEW CONSTRUCTION PROGRAM.
3. Upon submittal, the CL&P/UI Administrator 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 Administrator 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 performed (if applicable), the Applicant is responsible for submitting the required paperwork within two months of completion or the incentive will be forfeited. A HERS rater may submit the Application on behalf of the Applicant. Once all paperwork has been submitted and the package reviewed by the Administrator, the payment will be processed and paid TO THE APPLICANT.

Project Contacts:

Applicant's Name	Telephone ( )	Fax ( )	Email Address
Applicant's Mailing Address		Name of HERS Rater (if applicable)	Name of HERS Rating Company
Name of Builder (company & contact name)	Telephone ( )	Fax ( )	Email Address

Project Information:

Project Location/Address		Project Name (if applicable)		
Construction Start Date	Expected Completion Date	Size of Home (sq/ft)	Number of Bedrooms	Number of Units in Project
Primary Heating Source: ☐ Electric ☐ Natural Gas ☐ Oil ☐ Propane	Electric Utility: ☐ UI ☐ CL&P Natural Gas: ☐ SCG ☐ CNG ☐ Yankee	Unit Type: ☐ Single Family ☐ Multi Family ☐ Single Family Attached (side by side units only)		Project Type: ☐ Market Rate ☐ Low Income (60% median)

The Connecticut Light and Power Company
107 Selden Street, Berlin, CT 06037
www.cl-p.com
Contact: Enoch Lenge
Email: enoch.lenge@nu.com
Phone: (860) 665-5369, Fax: (860) 665-3030

The United Illuminating Company
157 Church Street, MS1-6B, New Haven, CT 06510
www.uinet.com
Contact: Christopher Ehlert
Email: christopher.ehlert@uinet.com
Phone: (203) 499-2965, Fax: (203) 499-2800

Connecticut Light & Power — A Northeast Utilities Company
The United Illuminating Company
CNG
Southern Connecticut Gas — Service First!
Yankeegas — A Northeast Utilities Company
energize CONNECTICUT — Empowering you to make smart energy choices

Energize Connecticut – programs funded by a charge on customer energy bills.

High Performance Home Certification Tracks

Below are 3 program tracks that involve third party verifying and/or certifying of the homes performance. Each track has different levels of energy efficiency associated with it. The first step is to decide if an ENERGY STAR Certification (Track 1) will be performed. If the home will be ENERGY STAR Certified, then determine if the home will apply for either of the bonus incentive tracks (Track 2 & 3). In order to participate in any of the following tracks you must work with a certified Home Energy Rating System (HERS) rater. Please consult with a HERS rater to determine which tracks will apply to the home and what the associated incentive will be. The list of certified HERS raters can be found at (www.energizect.com).

Check the boxes below to decide which tracks the home will follow and fill out the initial plan:

	INITIAL PLAN		AS-BUILT	
☐ Track 1: ENERGY STAR Certification Incentive	HERS Index		HERS Index	
☐ Track 2: High Performance Certification Bonus Incentive				
☐ Track 3: Low Load Home Bonus Incentive	Applicant $	Rater $	Applicant $	Rater $

Track 1: ENERGY STAR Certification Incentive*

Tier	HERS Index	Single Family		Single Family Attached		Multi Family	
		Applicant Incentive	Rating Incentive	Applicant Incentive	Rating Incentive	Applicant Incentive	Rating Incentive
Tier 1	74-65	$500	$100	$375	$100 (cap $6,000/project)	$250	$100 (cap = $5,000/project)
Tier 2	64-55	$1,500	$200	$1,125	$165 (cap $7,250/project)	$750	$125 (cap = $6,250/project)
Tier 3	54-50	$2,500	$300	$1,500	$230 (cap $8,500/project)	$1,000	$150 (cap = $7,500/project)
Tier 4	<50	$3,000 + $50/point below 50	$400	$2,000+$40/ point below 50	$300 (cap $9,950/project)	$1,300+$25/ point below 50	$175 (cap = $8,750/project)

*The ENERGY STAR Certification incentive must follow all ENERGY STAR requirements, which are based off of the current version of ENERGY STAR (i.e ver. 3.0). All ENERGY STAR checklists must be submitted. Must have mechanical ventilation system installed. Must have ENERGY STAR lighting in 80%+ of sockets. Must have ENERGY STAR refrigerator, dishwasher and clothes washer (if installed). For homes with oil heat, propane heat (or other heat), the incentive values are 30% of the incentive amounts listed above. In situations where dual fuel heating or water heating systems are installed (e.g., electric heat pump with propane backup), the incentive allocation is based on the estimated benefit associated with each fuel type. Existing dwelling units which will be fully gut rehabilitated (gut rehab) may be considered by the RNC Program for eligibility on a case-by-case basis. Gut rehab projects which are not able to meet specific aspects of the EPA ENERGY STAR Homes requirements as detailed in the EPA 'Water Management System Builder Checklist' may be eligible to participate in RNC ENERGY STAR Certification incentive, but may not be eligible to receive the EPA ENERGY STAR Certified Home designation.

Track 2: High Performance Certification Bonus Incentive

High Performance Certification Incentive Chart			
Requirements	Single Family	Single Family Attached	Multi Family
	Applicant Incentive	Applicant Incentive	Applicant Incentive
1. The qualifying certifications are DOE Challenge Home, LEED for Homes, and National Green Building Standard (NGBS). 2. ENERGY STAR Certification is a prerequisite 3. Must provide all proper documentation for certification 4. Project cap is $10,000 5. LEED for Homes and NGBS must meet a minimum of Silver	$500 per home	$250 per unit	$250 per unit

Track 3: Low-Load Homes Bonus Incentive

Low-Load Homes Chart									
Requirements			BTU/Square Foot Scale						
	Applicant Incentive	Rater Incentive	Size of Home (ft²)	2,000	3,000	4,000	5,000	6,000	7,000
1. Based on BTU per square foot annual energy consumption for heating, cooling, and hot water heating. (refer to chart) 2. Annual consumption data shall be from the REM/Rate file submitted by HERS rater. Rater shall submit initial REM file 3. Annual consumption data shall not include on-site power generation, including but not limited to solar PV or wind 4. Incentive is offered in conjunction with other program performance tracks 5. Blueprints will be verified by RNC program administrator 6. For single family homes only	$2,000	$200	BTU/Sq/ft	9,000	8,500	8,000	7,500	7,000	6,500
			The above chart is a snapshot of the general BTU per square foot parameters for the Low Load Homes Bonus Incentive. Input the actual square footage of the home into the following equation to determine the BTU per square foot amount that the home be less than or equal to in order to qualify: BTU = - 0.5 x Size of Home (sq/ft) + 10,000						

Prescriptive Measures

High Performance Insulation & Air Sealing: **

Types of Qualifying High Performance Insulation:

- Spray foam
- Blown-in cellulose
- Blown-in fiberglass
- ≥ R-5 Rigid foam board (house wrap) plus batt insulation
- Structural Insulated Panels (SIPs)
- Insulated Concrete Forms (ICFs)
- Hybrid options:
  - ≥ R-10 Closed-cell spray foam plus batt insulation
  - Additional hybrid options will be considered

REQUIREMENTS	INCENTIVES $	INITIAL PLAN		AS BUILT	
• R-21 minimum for walls, R-40 minimum for ceilings • The whole insulation system, including both walls and ceilings, must qualify to receive rebate • No rebates for the use of batt insulation in walls or ceilings, except for above qualifying options • Must meet ENERGY STAR Thermal Enclosure System Rater Checklist requirements • RESNET Grade 1 High Performance standard • Basement and garage ceiling areas do not qualify • Must have mechanical ventilation system installed	$0.50/sq. ft. of insulated area Caps: 1 bedroom: $960 2 bedrooms: $1330 3 bedrooms: $1695 4 bedrooms: $2010 5 bedrooms: $2195	Est. Installation Date	# Bedrooms	Total Home Sq. Ft.	# Bedrooms
		Net Insul. Ceiling Area	Net Insul. Wall Area	Net Insul. Ceiling Area	Net Insul. Wall Area
		Ceiling R-Value	Wall R-Value	Ceiling R-Value	Wall R-Value
		Ceiling Insul. Type(s)	Wall Insul. Type(s)	Ceiling Insul. Type(s)	Wall Insul. Type(s)
		$ Incentive Amount		$ Incentive Amount	

** High Performance Insulation and Air Sealing incentive amounts are for homes with natural gas or electric heat. For homes with oil heat, propane heat (or other heat), the incentive values are 30% of the incentive amounts listed above. In situations where dual fuel heating or water heating systems are installed (e.g., geothermal system with natural gas back-up), the incentive allocation is based on the estimated benefit associated with each fuel type. Insulation square footage must not include door or window areas.

ENERGY STAR Heating, Cooling & Hot Water Heating Equipment

MEASURES	REQUIREMENTS	INCENTIVES $	INITIAL PLAN			AS BUILT		
Geothermal Heating and Cooling***	1. Home must be ENERGY STAR Certified 2. System must be AHRI/ISO rated 3. Verification of Installed Performance (VIP) form required	$500/ton, capped at $1500 per location	Loop Type ☐ Vertical ☐ Horizontal ☐ DX		# Tons	COP (AHRI)		EER (AHRI)
					Incentive $	# Tons		Incentive $
ENERGY STAR HVAC Central A/C, Heat Pump, Ductless Split Heat Pumps	1. ENERGY STAR Certified, AHRI rated 2. SEER ≥ 14.5, EER ≥12, HSPF ≥ 8.2	$250/system	SEER	EER	HSPF	SEER	EER	HSPF
			# of Units	Tonnage	Incentive $	# of Units	Tonnage	Incentive $
ENERGY STAR Natural Gas Furnace****	1. ENERGY STAR Certified, AHRI rated 2. AFUE ≥ 95% with Air Handler Performance Level E_{EA} ≤ 2 Percent	$500/home	Manufacturer		Incentive $	Manufacturer		Incentive $
			Model #			Model #		
ENERGY STAR Natural Gas Boiler	1. ENERGY STAR Certified, AHRI rated 2. AFUE ≥ 90% with temperature reset or purge control	$300/home	Manufacturer & AFUE		Incentive $	Manufacturer & AFUE		Incentive $
ENERGY STAR Certified Hot Water Heater	1. Natural Gas Tankless: EF ≥ 0.82 with electric ignition	$200	Equipment Type/ DHW Efficiency		Incentive $	Equipment Type/ DHW Efficiency		Incentive $
	2. Natural Gas Condensing Storage Tank: TE ≥ 90%	$200						
	3. Heat Pump Water Heater: COP ≥ 2.0	$400						
ENERGY STAR "TopTen" Appliances	1. For refrigerators, dishwashers, and clothes washers only 2. Visit www.toptenusa.org/ct to choose qualifying appliances	$50 per appliance	Appliance type		Incentive $	Appliance type		Incentive $

*** Geothermal systems must meet 2012 ENERGY STAR requirements: Water-to-Air minimum COP=3.6 EER=17.1: Water-to-Water minimum COP=3.1 EER=16.1: DX System minimum COP=3.6 EER=16.0. Units must operate at least 85% rated efficiency & capacity for certification of installed performance (VIP).

**** To determine if furnace qualifies, use the AHRI certificate found at www.ahridirectory.org. Using the E_{EA} and the E_F from the AHRI certificate, calculate the following formula to determine if the air handler performance meets the ≤ 2% qualification: $(3.412 \times E_{EA} \div 3.412 \times E_{EA} + 1{,}000 \times E_F)$ For a list of qualifying furnaces visit: www.cee1.org/gas/gs-ht/furnaces.xls. Qualifying furnaces are ones that have a "CEE AH Ratio" of ≤ 2%.

MEASURES	INITIAL PLAN		AS BUILT	
ENERGY STAR Certification	Applicant Incentive	Rater Incentive	Applicant Incentive	Rater Incentive
High Performance Certifications & Low Load Homes Bonus	Applicant Incentive	Rater Incentive	Applicant Incentive	Rater Incentive
High Performance Insulation & Air Sealing	Incentive Amount		Incentive Amount	
Geothermal Heating and Cooling	Incentive Amount		Incentive Amount	
ENERGY STAR HVAC Furnaces, Boilers, Central A/C, Heat Pump, Ductless Split Heat Pumps	Incentive Amount		Incentive Amount	
ENERGY STAR Certified Hot Water Heater	Incentive Amount		Incentive Amount	
TopTen USA Appliances	Incentive Amount		Incentive Amount	
	ESTIMATED TOTAL		ACTUAL TOTAL	

Note: RNC projects where residents on limited income will reside will receive 125% of the incentives in this application.

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 incentives to which the Applicant is applying or have been discussed by the Administrator 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 incentive program and will receive the incentive payment should they meet the necessary criteria. He/she is also aware that a second application may not be submitted for the same property.

FOR THE APPLICANT LISTED ABOVE		
Signature	Print Name	Date
FOR THE PROGRAM ADMINISTRATOR		
Signature	Print Name	Date
FOR THE HOMEOWNER (IF NOT APPLICANT)		
Signature	Print Name	Date

To encourage electric energy efficiency, The Connecticut Light and Power Company (CL&P) and The United Illuminating Company (UI), in conjunction with the Connecticut Energy Efficiency Fund (CEEF) are pleased to offer the customer listed above energy efficiency services and financial assistance for the referenced project through the Residential New Construction Program, subject to the attached Terms and Conditions and Project Application Sheet(s). The payment of any incentives is contingent upon the presence of all of the energy-saving characteristics, and equipment being confirmed by on-site inspection or associated paperwork. If any of the energy-saving characteristics, and equipment are not installed, the incentive will be recalculated based on what has been installed. Payment of incentives is also contingent upon submittal of all required paperwork as specified in the instructions and in the Terms and Conditions.

TERMS AND CONDITIONS

1. These Terms and Conditions are a part of the Project Application for the above referenced Project. Project Application must be submitted prior to completion of home. Necessary inspection will be conducted when measures are installed.
2. Applications must be signed by CL&P/UI Program Administrator. This Project Application is in effect until December 31 of the year following the date of acceptance of the Project Application by CL&P/UI. All homes must be completed and ready for inspection by December 15 of the year following the date of acceptance to be eligible to receive any incentives on application. Any homes not completed by December 15 of the year following the date of acceptance of the Project Application by CL&P/UI may be subject to changes in the program.
3. ENERGY STAR® is a program sponsored by the U.S. Environmental Protection Agency (EPA) and the U.S. Department of Energy. For a home to receive an ENERGY STAR label, the EPA requires that the Builder sign, and send to the EPA, a non-binding "Memorandum of Understanding" (M.O.U.). This M.O.U. allows the Builder to access and use the EPA's copyrighted ENERGY STAR marketing materials when advertising an ENERGY STAR home. A certified HERS rater is required for ENERGY STAR certification. An electronic REM Rate file must be submitted upon completion of the inspection to the Program Administrator. It is the responsibility of the applicant to select and pay the services for a certified HERS rater.
4. FORWARD CAPACITY MARKET AND CLASS III CREDITS: By signing this document and as a condition to receiving a rebate pursuant to this program, customer hereby assigns to its participating electric utility, either CL&P or UI (as the case may be), any and all payments, benefits and/or credits in connection with the Forward Capacity Market or any currently existing or successor or replacement markets, (including, but not limited to, any and all "LICAP", "ICAP", transitional credits or payments or any and all other capacity-related credits, payments and/or benefits for which customer is eligible) and that are associated with or applicable to customer's participation in the Residential New Construction Program. Customer hereby assigns to either CL&P or UI all of its right, title and interest in and to any and all such capacity payments, credits and/or benefits and shall take any and all action, including executing and delivering any and all documents and instruments, as requested by either CL&P or UI to evidence the same. Forward Capacity Market means the market for procuring capacity pursuant to ISO-NE Tariff, FERC Electric Tariff No. 3, Section III, Market Rule 1, Section 13, any changes to Forward Capacity Market, or any successor or replacement capacity procurement process.

   In accordance with the Department of Public Utility Control's (DPUC, now known as the Public Utilities Regulatory Authority or "Authority") September 29, 2008 decision in Docket No. 05-07-19RE01, DPUC Proceeding to Develop a New Distributed Resources Portfolio Standard (Class III) – 2007 Revisions, (as supplemented by the Department February 11, 2010 decision in Docket No. 05-07-19RE02), customer is not to receive or retain any Class III renewable energy credits in connection with the Residential New Construction Program and customer hereby acknowledges and agrees the same. Customer further acknowledges and agrees that such credits shall be retained by either CL&P or UI (as the case may be) for the benefit of their customers through the Connecticut Energy Efficiency Fund. In the event that the Authority amends or modifies the allocation of Class III conservation credits as reflected in its September 29, 2008 decision, then the allocation of such credits utilized by either CL&P or UI (as the case may be) shall be the allocation in effect (per the applicable Authority decision) on the date that the customer submitted its Rebate Application documents to either CL&P or UI (as the case may be).Customer further acknowledges and agrees that customer is not to retain or receive any environmental credits are benefits that may be ascribed or attributed from time to time to customer's participation in the Residential New Construction Program and any and all such benefits or credits shall be retained by either CL&P or UI (as the case may be) for the benefit of their customers through the Connecticut Energy Efficiency Fund.
6. The Builder/Homeowner agrees to allow CL&P/UI and its agents access to the project for the purpose of conducting a Project Inspection(s) to confirm the home(s) has 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 incentives.
7. 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. Incentives will not be paid until all appropriate paperwork has been submitted. In the case of ENERGY STAR certified homes, an electronic REM Rate file must also be submitted. When an incentive has been offered for a geothermal HVAC system, the appropriate version of the CL&P/UI Verified Installed Performance (VIP) Worksheet must be completed by the installing geothermal system contractor before the home will be considered complete and eligible for any incentive payments. The VIP Worksheets are available from CL&P/UI on the geothermal heat pump rebate portion of each company's website.
8. The payment of the incentives 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). Incentives are subject to change.
9. CL&P/UI assumes 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 incentive for a given unit. Builders/owners/vendors will not be permitted to apply separately for the same incentive. These incentives may not be combined with any other utility or energy service offer.

2013 Residential New Construction Application Checklist

This document is intended to ensure that builders, vendors, homeowners, or other applicants of the 2013 RNC program have included all necessary documentation and information required for incentive approval.

Required paperwork:

☐ Completed application, including all necessary signatures. For multi-family/multi-unit projects, only one application is necessary for groups of units with similar characteristics.

☐ W-9 Form

ENERGY STAR applicants:

☐ Electronic REM/Rate file

CL&P customers, e-mail to Enoch Lenge at enoch.lenge@nu.com
UI customers, e-mail to Christopher Ehlert at christopher.ehlert@uinet.com

☐ Lighting Inventory–Energy Star/CFL/LED bulbs only. Please do not include incandescent, halogen, or other non-energy efficient lighting in this checklist.

Room Type	Total # screw-in bulbs	Total screw-in bulb watts	Total # pin-based bulbs	Total pin-based bulb watts
Bedroom				
Closet				
Bathroom				
Den/Office				
Hallway				
Kitchen				
Living Room				
Dining Room				
Basement				
Garage				
Exterior				
Other				

Insulation applicants:

☐ Invoice, including net square footage of applicable walls and ceilings (minus doors and windows), type(s) used, and R-value(s).

Geothermal applicants:

☐ Invoice listing make, model, & efficiency ☐ AHRI certificate listing make, model, efficiencies for each qualifying unit.

☐ Certification of installed performance (VIP) form, filled out by the geo contractor. Available on the CL&P website (http://www.cl-p.com/home/saveenergy/rebates/heatpumprebate.aspx) at the bottom of the page or on the UI website (http://www.uinet.com/uinet/connect/UINet/Top+Navigator/Your+Home/UI+Products+%26+Services/Geothermal+Heat+Pumps/)

HVAC applicants:

☐ AHRI certificate listing make, model, efficiencies for each qualifying unit. Equipment invoice listing make, model and efficiency for each machine.

ENERGY STAR Hot Water Heater applicants:

☐ Invoice(s) listing make, model, and efficiency for each applicable machine. Please include AHRI certificate.

TopTen USA Appliances

☐ Invoice/receipt listing make, model, and efficiency for each applicable machine.