

# 2013 CONNECTICUT RESIDENTIAL GEOTHERMAL ELIGIBILITY APPLICATION FOR EXISTING HOMES

Valid for all Connecticut Light & Power ("CL&P") and United Illuminating ("UI") residential electric service customers ("Customer") planning to install a residential geothermal system ("System") for an existing home in 2013. Applicants must complete a Home Energy Solutions assessment and meet energy efficiency requirements. **During assessment, interested customers should request completion of the 2013 Connecticut Residential Geothermal Eligibility Application for Existing Homes ("Application").** The completed Application will indicate the home as passing or needing improvement. If improvements are needed, please attach appropriate documentation. A pre-approved and stamped Final Application is then mailed to the applicant from the utility administrator and the incentive dollars reserved. **TO APPLY FOR YOUR REBATE, READ THE PROGRAM REQUIREMENTS ON REVERSE BEFORE PROCEEDING.**

**INSTRUCTIONS:** Please fill out this Application completely, truthfully and accurately and mail it together with the required items outlined in the **Supporting Documentation Checklist** below to:

**CL&P CUSTOMERS SEND TO:** The Connecticut Light & Power Company **or**  
 P.O. Box 270, Hartford, CT 06141-0270  
 Fax #: 860-665-3874, Attn.: Tammy Wilson, tammy.wilson@nu.com

**UI CUSTOMERS SEND TO:** The United Illuminating Company  
 180 Marsh Hill Road, Orange, CT 06477  
 Fax #: 203-499-2800, Chris Ehlert, christopher.ehlert@uinet.com

## Customer Information

(please print) First Name	Last Name	City	State	Zip
Address (where equipment was installed)		Telephone	Email	
City	State	Zip	Electric Utility (check one)	
Mailing Address (if different from above)		Electric Account Number (as stated on bill)		
		<input type="checkbox"/> CL&P <input type="checkbox"/> UI		

## Existing Home Information

Year Built?		* If Home Renovation and/or addition occurring, please complete below: <input type="checkbox"/> Conditioned sq. ft. to be added _____ <input type="checkbox"/> Full Gut Renovation sq. ft. _____ * If new conditioned area exceeds 50% of floor space apply to Residential New Homes Program!
# of Bedrooms		
House sq. ft.		

## System Being Replaced (this section to be completed by contractor)

Make	Model Number	Capacity	Approximate Age	Efficiency

## Proposed Systems (must be matched AHRI rated assemblies)

Estimated Startup	Brand	Tons	Compressor Section Model No.	Fan/Coil Section Model No. (if split coil)	AHRI Reference Number

### Select proposed system type:

- GLHP – Closed Loop Water to Air  
 DX – Direct Expansion Refrigerant  
 W to W – Water to Water

### Minimum ENERGY STAR 2012 Full Load Efficiency Requirements

- 17.1 EER, 3.6 COP Minimum  
 16.0 EER, 3.6 COP Minimum  
 16.1 EER, 3.1 COP Minimum

## Geothermal Contractor Information

Geothermal Contractor Company				
Contractor Name		Contractor License Number	E-mail Address	
Address			Telephone Number	
City			State	Zip
			Fax Number	

## Supporting Documentation Checklist\*

- A Home Energy Solutions assessment service job number.
  - Any follow-up documents indicating your home has been improved to meet minimum program requirements.
- Mail to: Your electric utility at the address listed on the top of this form under INSTRUCTIONS.
- \* These items must accompany each incentive Application form completely and mailed to the applicable address above.

## Sign Here

By signing this form below, I certify that all of the information described on this Application and all documents provided with this Application are accurate and true and that I have read and understand the 2013 Connecticut Residential Geothermal Eligibility Application for Existing Homes Program guidelines and TERMS AND CONDITIONS on the back of this form. By signing this Application, I further certify that the qualifying System will be installed for use in the Connecticut residential address stated.

Customer Signature (required)

Date

Home Energy Solutions (HES) Company Name

HES Technician's Signature (required)

Date

## TERMS AND CONDITIONS

**ELIGIBILITY:** Incentives are available to all Connecticut Light & Power (CL&P) and The United Illuminating Company (UI) residential electric service customers ("Customer") planning to install a residential geothermal system ("System") for an existing home in 2013 ("Program"). Applicants must complete a Home Energy Solutions assessment and meet energy efficiency requirements. Qualifying system ("System") must be installed in the service territory of the participating electric utility by a licensed contractor.

### To Be Completed By Home Energy Solutions Technician

Minimum Requirements Insulation:	Pass	Needs Improvement / Current Value
Roof/Attic insulation greater than or equal to R-30	<input type="checkbox"/>	R-_____
Floor over basement greater than or equal to R-19	<input type="checkbox"/>	R-_____
Floor over other unheated space greater than or equal to R-30	<input type="checkbox"/>	R-_____
Above grade exterior walls greater than or equal to R-13	<input type="checkbox"/>	R-_____
<b>Minimum Window Requirements:</b>		
Double Pane or U-value less than or equal to .40 or equivalent (storms + single pane is acceptable)	<input type="checkbox"/>	U=_____
<b>Minimum Air Leakage:</b>		
Tested CFM50 per square foot of conditioned floor area less than or equal to 1CFM50 per square foot of all space to be conditioned	<input type="checkbox"/>	CFM50/sq. ft.=_____

If any of the above requirements are not met at the time of inspection, applicant must submit receipt or other documentation that deficient items have been improved. If home requirements were not met and a second test or inspection is required, additional testing costs will be at the customer's expense.

Additional detail is provided on the Residential Geothermal Performance Incentive Final Application For Existing Homes which will be provided once the home is approved.

New homes and over 50% of total conditioned square footage new additions should apply through the **Residential New Construction Program** at:

[www.cl-p.com](http://www.cl-p.com) or [www.uinet.com](http://www.uinet.com).

To participate in Home Energy Solutions, Call 1-877-WISE-USE (1-877-947-3873)

For CL&P customers: <https://www.cl-p.com>

For UI Customers: [www.uinet.com](http://www.uinet.com)

**PURPOSE:** The 2013 Connecticut Residential Geothermal Eligibility Application for Existing Homes ("Program") has been created to:

- 1) Verify existing homes meet required energy efficiency levels to maximize benefit to Customers
- 2) Reserve incentive dollars for the proposed project

**APPLICATION OFFER:** This Program covers Customers planning to install a residential geothermal System for an existing home on or after January 1, 2013 through December 31, 2013. This Application must be filled out completely, truthfully and accurately and signed by the Customer and the Home Energy Solutions technician. Incomplete inspection reports will not be accepted. To find out if needed improvements may have separate program incentives available to assist you, contact your program administrator listed on the front of this Application form. **Details of this Program are subject to change or cancellation without without prior notice. Funding for this rebate Program is limited to the period indicated or while funds last. For more information, please call 877-WISE-USE (877-947-3873).**

#### REQUIREMENTS:

- 1) The home must be assessed by a CL&P or UI approved Home Energy Solutions Technician and meet minimum requirements.
- 2) The System must be ENERGY STAR® rated and meet 2013 efficiency requirements. [www.energystar.gov](http://www.energystar.gov)
- 3) The System must be AHRI rated as assembled. [www.ahridirectory.org](http://www.ahridirectory.org)
- 4) The System must pass a utility verification of installed performance test (VIP).

**APPROVAL AND VERIFICATION:** The home must meet the minimum requirements described. The home may be improved and re-verified. Re-verification may be by any approved auditor. There may be an additional cost for re-verification. You will be notified within three business days if your geothermal project has been approved.

**A stamped Residential Geothermal Performance Incentive Final Application for Existing Homes form will be mailed to the Customer once the home is approved.**

### Minimum Efficiency Levels / Incentive Schedules

Eligible Equipment Type	Minimum Efficiency for Incentive	Incentive Per Ton*
GLHP – Closed Loop Water to Air	17.1 EER <sup>1</sup> / 3.6 COP <sup>2</sup> Minimum	\$500
DX – Direct Expansion Refrigerant	16.0 EER / 3.6 COP Minimum	\$500
W to W – Water to Water	16.1 EER / 3.1 COP Minimum	\$500

1 EER – Energy Efficiency Ratio      2 COP – Coefficient of Performance

\* \$500 per AHRI reported cooling ton in 1/2 ton increments to a maximum of \$1,500 per home.



Empowering you to make smart energy choices



Connecticut Light & Power  
A Northeast Utilities Company



The United Illuminating Company