



Community Learning

October 19 & 21, 2021



Agenda

- Introductions
- What is HeatSmart? Why is Guilford doing this initiative?
- What is a Home Energy Solutions audit? What will I learn during my audit?
- What is a heat pump? How will I know if a heat pump is right for my home?

Introductions



Initiative organizers

SUSTAINABLE GUILFORD TASK FORCE



Selected home energy solution providers



Selected heat pump installers

What is HeatSmart?

Heatsmart is a community-based outreach & education program. It helps towns to work with pre-selected home energy solutions auditors and heat pump contractors to increase awareness and understanding of heat pumps and increase their deployment.

Heatsmart is one of many initiatives of People's Action for Clean Energy.

PACE's mission is to transition Connecticut to 100% clean energy by partnering with community groups.



Why is Guilford doing this initiative?

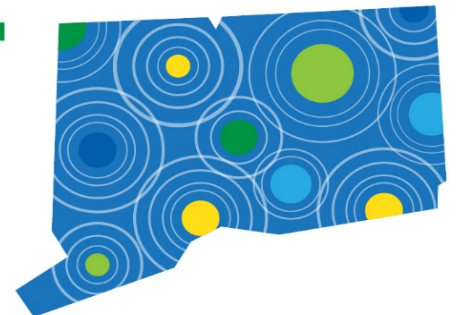
- Help residents – save energy, take advantage of Energize CT \$ incentives, learn from trusted sources
- Support clean energy across the region
- Continue the town's environmental leadership with Sustainable CT (Silver Certification)
- More than 100 households have participated in this initiative since July 2021!



THE OLD STONE HOUSE

**SUSTAINABLE GUILFORD
TASK FORCE**

Sustainable CT
Local Actions. Statewide Impact.



Home Energy Solutions Audit



your source for
**Whole Home
Solutions**



Empowering you to make
smart energy choices

**Home Energy
Solutions**

- Request an appointment through our website or by calling the number below.
- One of three contractors will contact you.
- The home visit will be 2-8 hours.
- You will start saving energy that day & will be given great financial incentives to install efficient appliances, equipment, and insulation in your home.
- The audit will help you put together a short-term & long-term plan!

WEBSITE: <https://heatsmartct.org/guilford>

Or CALL: (203) 389-3342

Home Energy Solutions Audit

Low Income Eligibility

FREE Audit

Low or no cost measures such as:

- Insulation
- Windows
- Heating equipment
- Hot water equipment
- Refrigerator and/or freezer rebates or vouchers

Renters & Home-Owners

When you call, request a low-income eligibility application. The application is also available on our website.

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Or CALL: (203) 389-3342



Empowering you to make
smart energy choices

HOUSEHOLD SIZE	HOUSEHOLD MAXIMUM ANNUAL INCOME (2021 - 2022)	EXAMPLES OF INCOME INFORMATION:
1	\$39,027	<ul style="list-style-type: none">• Recent Pay Stubs for one month (Weekly/Biweekly)• Alimony, Pension/Retirement Check Stub• Recent Quarterly self-employment tax statement(s)• Proof of Social Security and or Supplemental Security Income (SSI) benefit award letter• Current unemployment letter• Zero Income Affidavit for anyone age 18 or older without any income (Utility provided document)
2	\$51,035	
3	\$63,044	
4	\$75,052	
5	\$87,060	
6	\$99,069	
7	\$101,320	
8	\$103,572	

Heat Pumps

Have many names.....mini-splits, ductless heat pumps, air source heat pumps, water source heat pumps, etc!

A heat pump can heat and cool your home.

It's called a heat pump because it redistributes heat that is already in the air or ground with a refrigerant.

Redistributing heat uses less energy than producing it.

And the energy used is electricity which can be generated without fossil fuels!



Heat Pumps



Ducted installation



“mini split” mounted high



“mini split” with low wall installation



Heat Pumps

There are many ways to incorporate heat pumps in your house:

1. Replace central air conditioning with one unit that cools & heats
2. Provide heating & cooling to an individual room, like a bonus room, sunroom, or room with specific issue
3. Displace or supplement heat in portions of the house
4. Full replacements
5. Not ready yet? It's okay. Be prepared with some options for the future!

Heatsmart partners will assess each home individually & create a custom plan for comfort and energy savings.



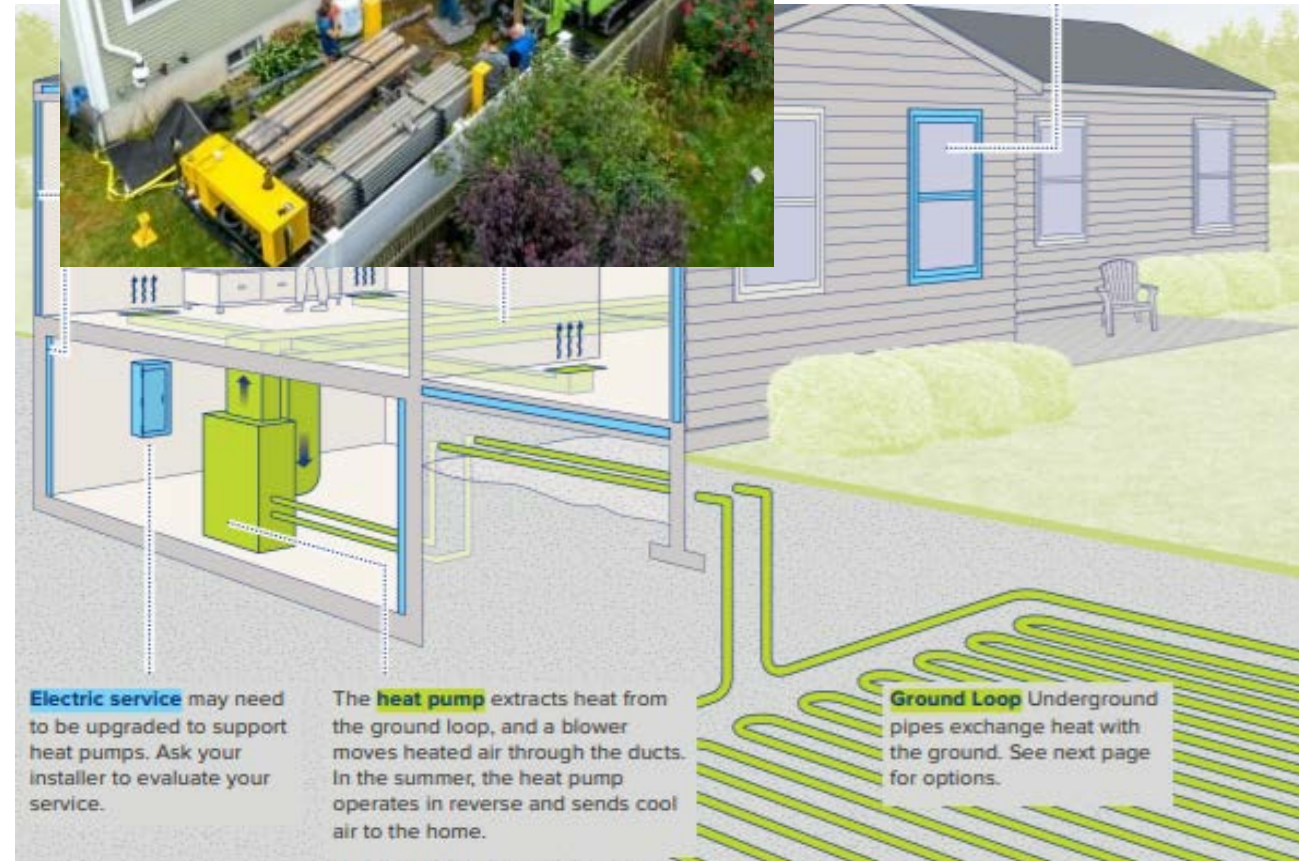
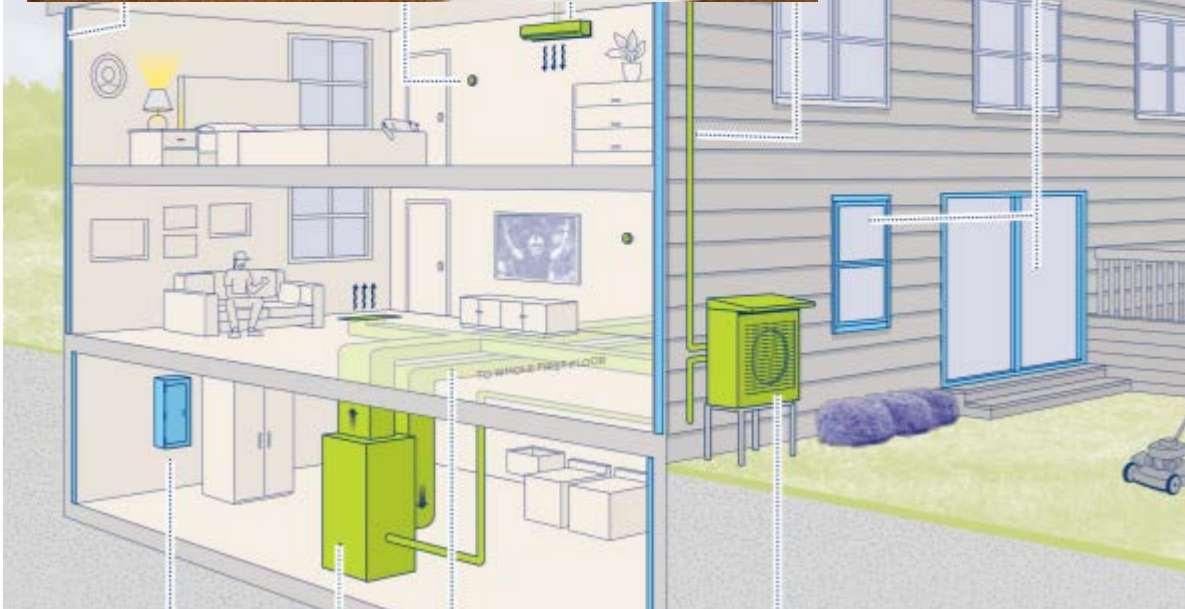
Heat Pumps



“Air Source”



“Water Source”
AKA geothermal or
ground loop



Heat Pumps

Concerns

Expensive to install

Expensive to operate

Feel of the heat

Won't handle extreme cold

What if I lose power?

They look bad

Loud

Blow dust around

Life of equipment

Frequently heard.....

Answers

Install costs equivalent to boiler/furnace. Incentives!

Uses much less electricity than electric resistance. Less than oil or propane

Consistent warmth

Good below 0 degrees. Could be supplemented.

Insulation helps. Keep what you have. Back-up generator will be small.

Nah! Ducted vs. ductless (high or low on the wall, even recessed)

So quiet if they're sized well

Can be equipped with filters which is better

15-20 years

Heat Pumps

There are generous incentives available to make heat pumps more affordable!





How can you get started?

1

<https://heatsmartct.org/guilford>
Or CALL: (203) 389-3342

2

Home Energy Solutions
Audit

3

Heat Pump Assessment
& Proposal

4

Comfort & Clean
Energy!