

A close-up photograph of several bright green maple leaves with serrated edges, set against a blurred background of more foliage and a greyish surface. The lighting is soft, highlighting the texture of the leaves.

SALISBURY AFFORDABLE HOUSING COMMISSION PRESENTS

**GREEN HOMES: A WEBINAR ON ENERGY SAVINGS**

# Strengthening the community through Affordable Housing



**Salisbury Housing Trust**  
builds, remodels and sells  
affordable home ownership properties



**Salisbury Housing Committee**  
builds, remodels and manages  
affordable rental properties



Funding and  
Public Support



**Salisbury Affordable Housing Commission**  
facilitates and promotes the creation of  
ALL TYPES of affordable housing



SAHC SUPPORTS SUSTAINABLE  
BUILDING PRACTICES.



BOOSTING HOME  
AFFORDABILITY THROUGH  
LOWER UTILITY BILLS.



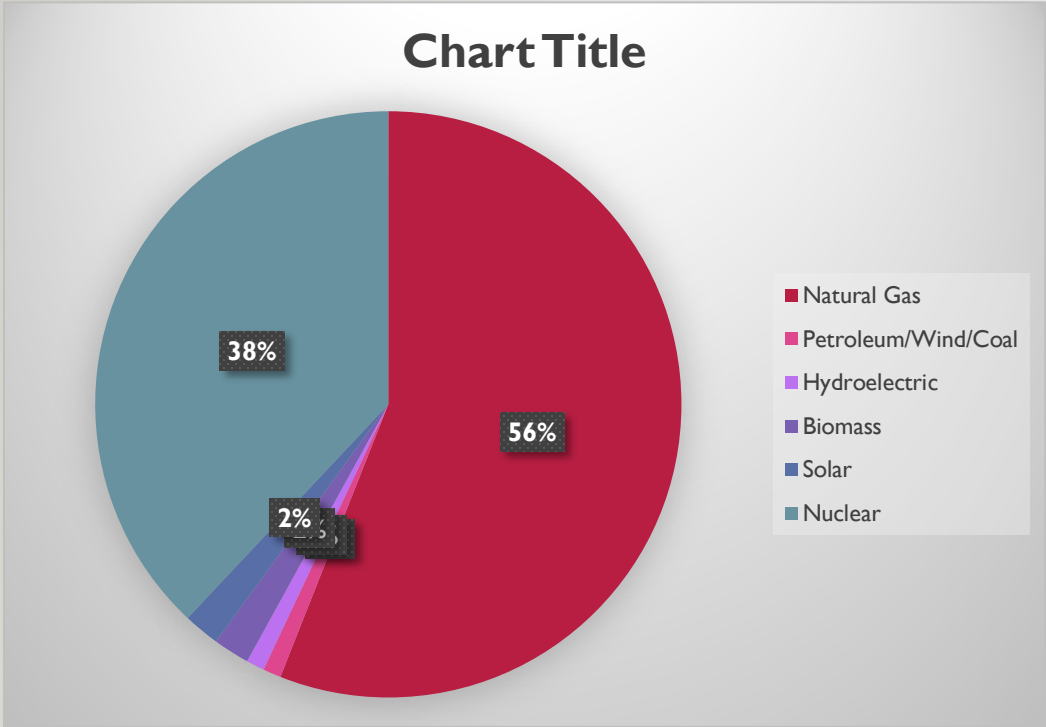
GREEN IS GOOD FOR OUR  
PLANET!





ENERGY SOURCES AND  
SYSTEMS: PUBLIC UTILITIES

# SOURCES OF ELECTRICITY PRODUCTION IN CT\*



- Natural Gas (56%)
- Petroleum/Wind/Coal (1%)
- Hydroelectric (1%)
- Biomass (2%)
- Solar (2%)
- Nuclear (38%)

\*From June 22, 2022, NBC Connecticut article



The cleanest source of power for your home is renewably generated electricity.

The State of Connecticut requires Eversource to maintain a minimum of 33% Renewable Energy Credits (RECs).

Customers can opt to increase the level of RECs by shopping for alternate suppliers.

<https://energizect.com> provides a Supplier Rate Finder.

The screenshot shows the 'Compare Energy Supplier Rates' page on energizect.com. The search filters are set to: Utility: Eversource, Account Type: Residential, Supplier: Supplier, Current Monthly Usage: 750 kWh, Minimum RECs: 100%, and Maximum Rate: 50¢. Two offers are displayed:

Supplier	Offer Rate	Plan Description	Energy Certificates	Monthly Cost
Eversource - Standard Service	12.05¢ per kWh	Fixed until December 31, 2022. Fixed July 1st - Dec. 31st	33.0% RECs Meets CT's requirement	\$90.38 at 12.05¢ per kWh
Think Energy	18.00¢ per kWh	Fixed 24 Billing Cycles New Customers	100.0% RECs Exceeds CT's requirement	\$135.00 at 18.00¢ per kWh

A dark, atmospheric landscape with a cloudy sky and a body of water in the foreground. The sky is filled with large, white, fluffy clouds against a dark blue background. The foreground shows a calm body of water reflecting the sky. A thin white vertical line is positioned to the left of the text.

ENERGY SOURCES AND SYSTEMS:  
HEATING AND COOLING IN SALISBURY

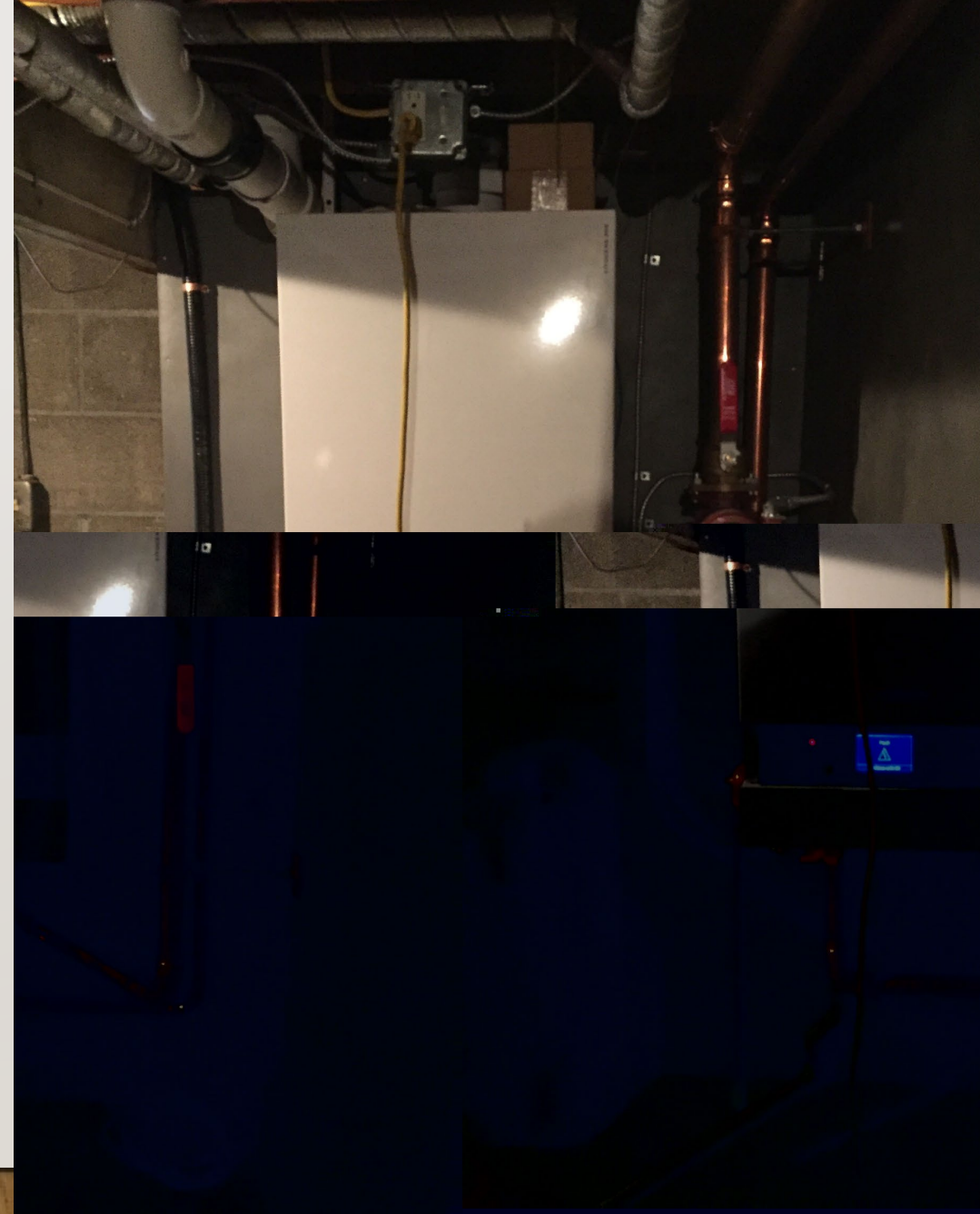


# COMMON HOME HEATING SYSTEMS IN SALISBURY

---

Some of the ways we heat our homes in the Northwest Corner include:

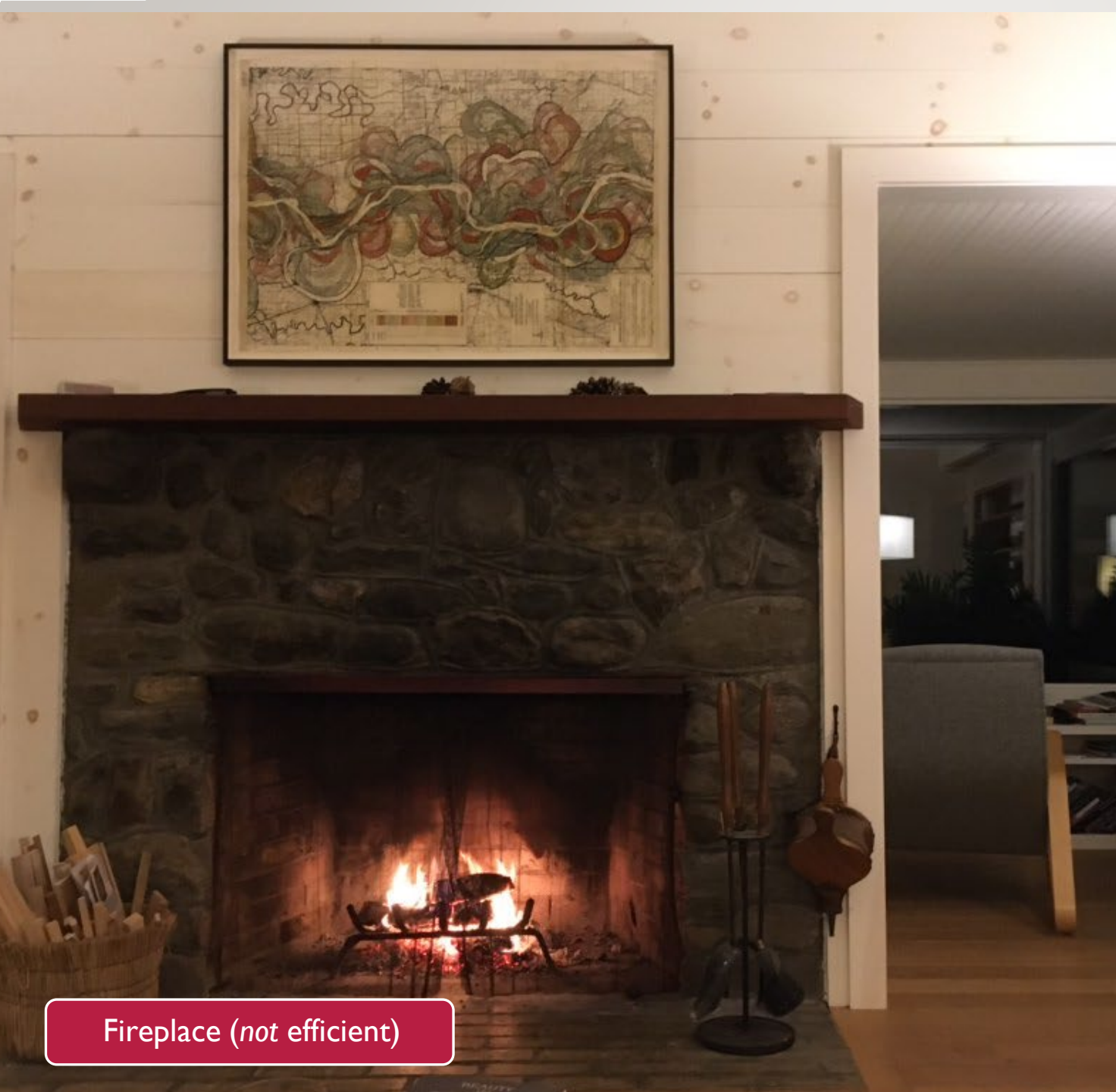
Propane with forced air or hydronic heating system.



Air-source electric heat pump system (solar or grid-powered)



Or ground-source (geothermal) electric heat pump system (solar or grid-powered)



Fireplace (*not* efficient)

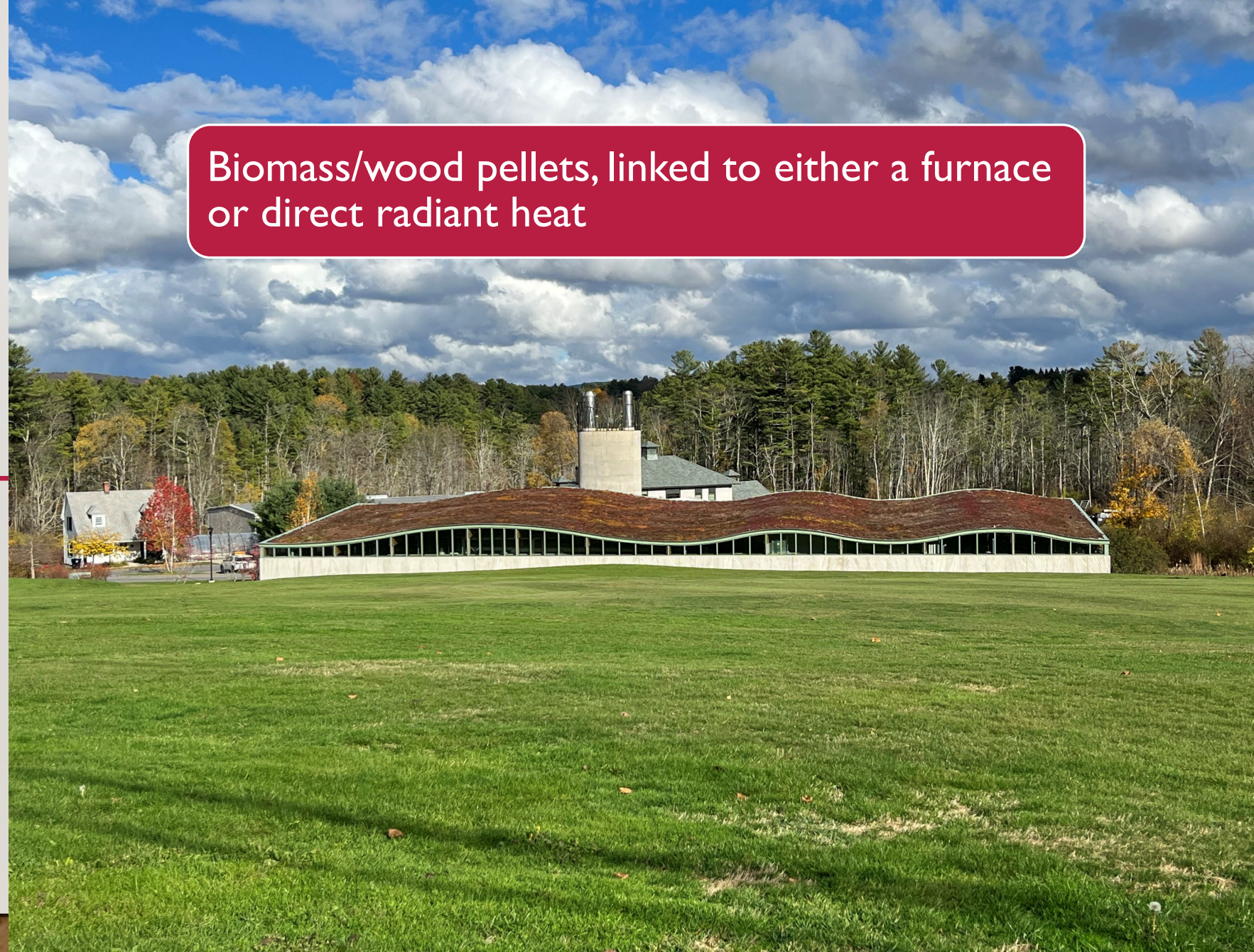


Wood Stove (warms you 3X)

# ANOTHER HEATING SYSTEM IN LAKEVILLE

---

Biomass/wood pellets, linked to either a furnace or direct radiant heat



# COMMON COOLING SYSTEMS IN SALISBURY

---

Some of the ways we cool our homes in the Northwest Corner include:

- Fans and passive solar controls (window shades).
- Window air conditioners.
- Central air conditioning with an outdoor compressor that sends refrigerant to a blower in a forced air system that heats in wintertime.
- Air-source electric heat pump system (solar or grid-powered) in cooling mode.
- Ground-source (geothermal) electric heat pump system (solar or grid-powered) in cooling mode.



# ENVELOPE EFFICIENCY

1. Energy Audit
2. Insulating and air sealing
3. Windows and doors

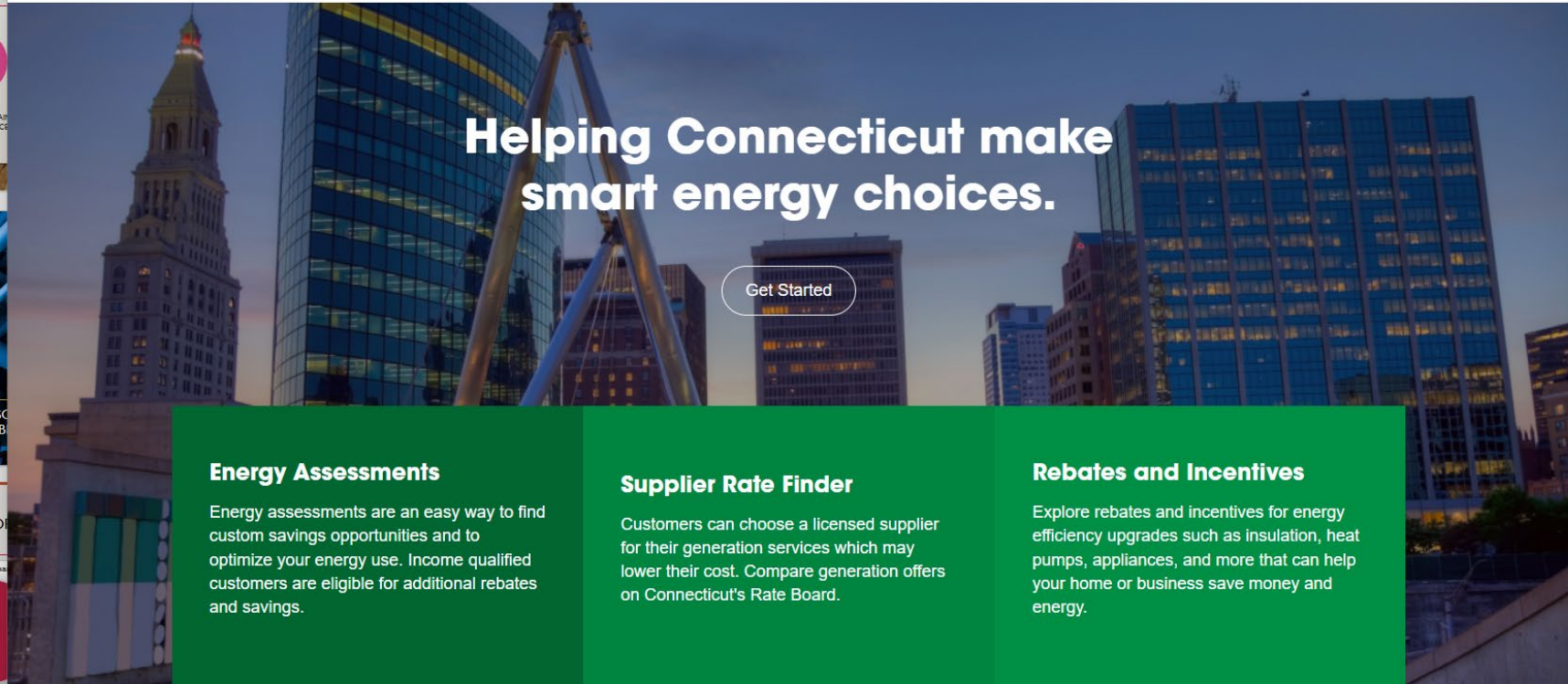


Explore Solutions ▾

Rebates and Incentives ▾

Financing ▾

Rate Board ▾



# Helping Connecticut make smart energy choices.

Get Started

## Energy Assessments

Energy assessments are an easy way to find custom savings opportunities and to optimize your energy use. Income qualified customers are eligible for additional rebates and savings.

## Supplier Rate Finder

Customers can choose a licensed supplier for their generation services which may lower their cost. Compare generation offers on Connecticut's Rate Board.

## Rebates and Incentives

Explore rebates and incentives for energy efficiency upgrades such as insulation, heat pumps, appliances, and more that can help your home or business save money and energy.

## We are here to help.

If you are struggling to pay your monthly energy bill, Eversource and UI offer programs to help. Payment assistance and energy efficiency programs are available to help better manage your energy bills and help you save energy.

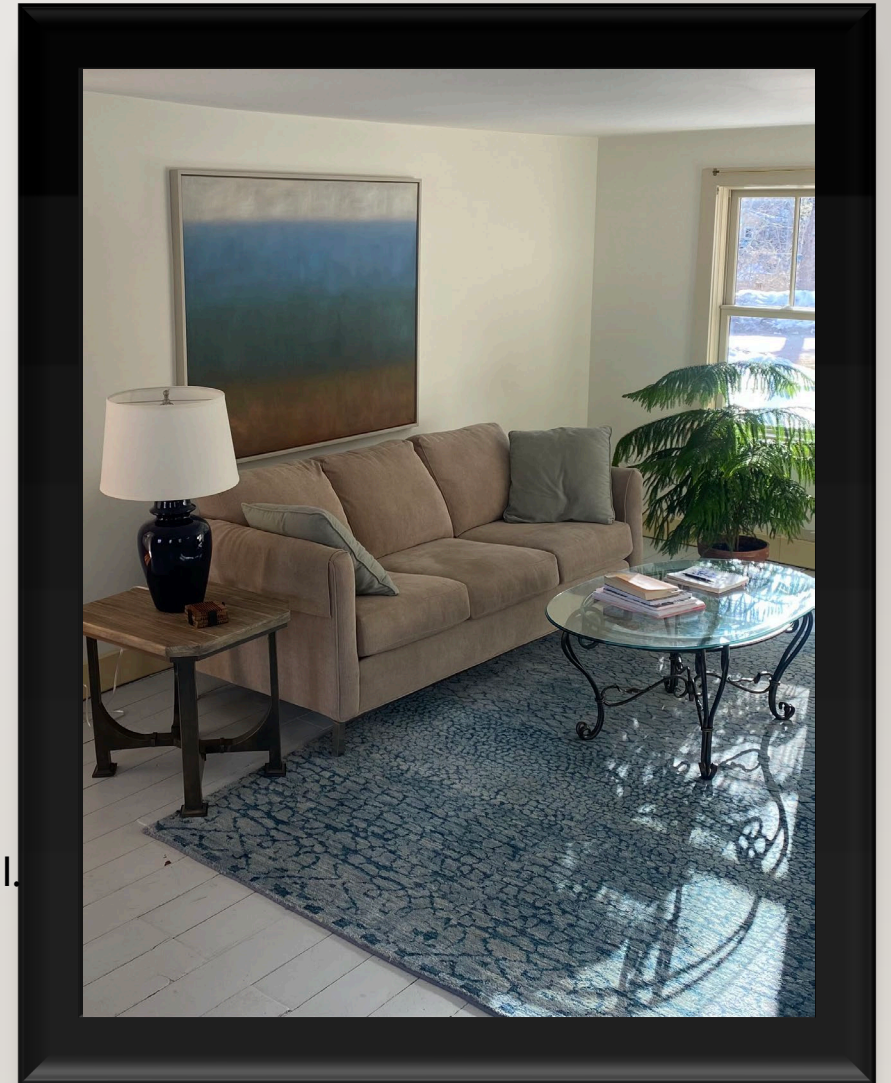
Learn More

# ENERGY AUDIT

---

Eversource can send Home Energy Solutions to perform an energy audit.  
<https://www.eversource.com/content/ct-c/residential/save-money-energy>

Private firms can also provide auditing services with a greater level of detail.







New Windows & Doors

Rolled Attic Insulation

Blown-in Wall Insulation

Seal Cracks

# INSULATING WALLS, FLOORS, ROOFS; SEALING CRACKS

---

Contact local insulation contractors to insulate your home. Home Depot and Lowes provide materials and resources for do-it-yourself projects. Learn more on their websites:

<https://www.homedepot.com/b/Building-Materials-Insulation/N-5yc1vZasbs>

<https://www.lowes.com/c/Insulation-accessories-Building-supplies>





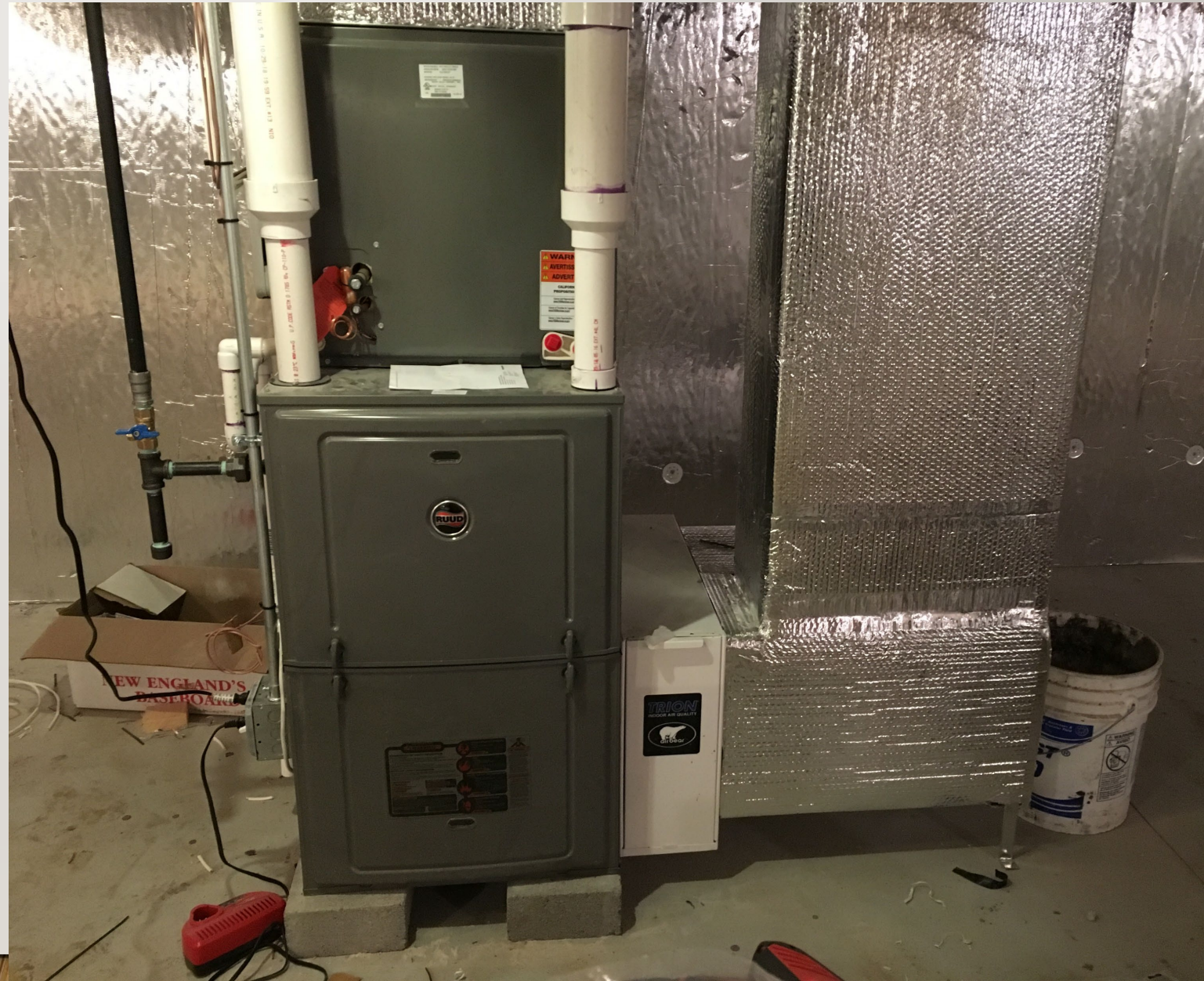
# Mechanical and Electrical System Efficiencies





UPGRADING OR  
REPLACING  
A HEATING &  
COOLING SYSTEM

- Replace older boilers or furnaces with new, energy-efficient models.
- Replace an oil or propane fueled system with a heat pump system
- Save even more with smart thermostats.



When a house is tightly insulated, it may need an additional source of fresh air. Ventilation units improve indoor air quality without sacrificing energy efficiency.

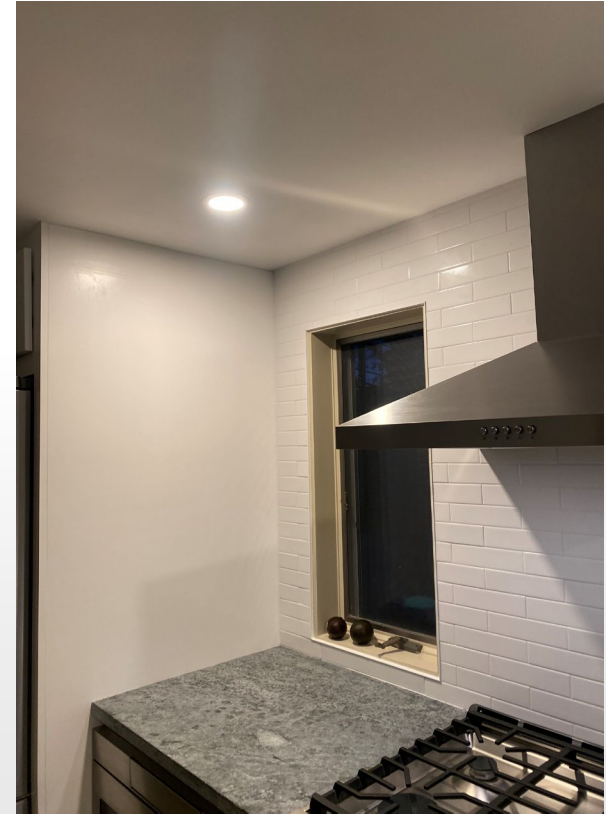
- Heat Recovery Ventilation (HRV) units moderate incoming air temperature.
- Energy Recovery Ventilation (ERV) units moderate air temp and humidity.



# ELECTRICAL SAVINGS

---

- Use LED Light Bulbs in existing fixtures & lamps.
- Replace old lighting fixtures with LED Lighting Fixtures.
- Update to energy star appliances.
- Replace your old hot water heater with a high-efficiency water heater such as on-demand type or heat pump type.
- Add a solar array to your rooftop or yard.







A background image of a forest with a rainbow in the sky. The rainbow is positioned in the upper center of the frame, arching across the sky. The forest below is dense and green, with a large tree on the left side. The sky is a mix of light and dark grey, suggesting an overcast day.

Resource for  
Energy Star Products:

<https://www.energystar.gov/>

# ENERGY STAR APPLIANCES

- The following website provides lists of energy star appliances: <https://www.energystar.gov>
- The website includes fun tools, like the
- FLIP YOUR FRIDGE CALCULATOR:
- <https://www.energystar.gov/products/appliances/refrigerators/flip-your-fridge>

A wide-angle landscape photograph showing a golden-brown field in the foreground, a line of trees in the middle ground, and rolling hills and mountains in the background under a bright blue sky with scattered white and grey clouds. A small lake is visible in the distance between the hills.

# BEHAVIORAL EFFICIENCIES

*(Listen to your mother.)*

# SIMPLE SAVINGS

---

- MAINTAIN YOUR HEATING AND COOLING SYSTEMS
- TURN OUT THE LIGHTS WHEN YOU LEAVE A ROOM.
- USE POWER BARS TO DISCONNECT MONITORS AND TV'S THAT DRAW ELECTRICITY EVEN IF TURNED OFF.
- ADJUST THE SETTINGS ON THE THERMOSTAT: LOWER IN WINTER AND HIGHER IN SUMMER.
- USE LOW-ENERGY FANS AND PASSIVE SOLAR IN LIEU OF A/C.
- HANG CLOTHES ON A LINE; DON'T USE A DRYER.

# ADAPT TO THE SEASONS

## IN WINTERTIME:

- PLAN MEALS THAT HEAT THE HOUSE, LIKE SLOW-COOKING STEWS.
- SIP HOT BEVERAGES.
- ICE SKATE WITH SALISBURY REC.
- WALK INDOORS AT HOTCHKISS.

## IN SUMMERTIME:

- PLAN MEALS THAT DON'T HEAT UP THE KITCHEN LIKE SUMMER SALADS.
- DRINK COLD BEVERAGES.
- GO JUMP IN A LAKE!
- READ A BOOK BY A SHADY BROOK.

# RESOURCES FOR GREEN HOME SAVINGS

---

- Energize Connecticut: <https://energizect.com/>
- Eversource: <https://www.eversource.com/content/ct-c/residential/save-money-energy>
- Energy Star: <https://www.energystar.gov/>
- United States Green Building Council: <https://www.usgbc.org/>
- The United Nations Net-Zero Coalition: <https://www.un.org/en/climatechange/net-zero-coalition>
- Financing energy improvements:
  - ✓ Residential Energy Credits: <https://www.irs.gov/forms-pubs/about-form-5695>
  - ✓ US Department of Energy website: <https://betterbuildingsolutioncenter.energy.gov/alliance/market-solutions/energy-efficiency-project-financing>
  - ✓ Office of Energy Efficiency & Renewable Energy: <https://www.energy.gov/eere/buildings/find-financing-energy-efficiency-upgrades>
- Local expertise from design professionals: architects & engineers.
- Local expertise from contractors: mechanical, electrical, and home renovation firms.





---

QUESTIONS?