



Upgrade & Save

Energy Efficiency and Safety Rebate Program

New York State

*Upgrade & Save
Energy Efficiency & Safety
Rebate Programs*

*2022 Analytics Report
As of MAY 2022*



PROGRAM GOALS

The Upgrade and Save Energy Efficiency and Safety Rebate

Program has been developed in accordance with recommendations outlined by the National Oilheat Research Alliance (NORA) to promote and facilitate the installation of new oil- and Bioheat®-fueled heating equipment and new aboveground heating oil storage tanks in homes all across New York State.

Upgrading home heating systems with new, higher-efficiency equipment has been proven to be one of the most cost-effective methods to immediately reduce carbon dioxide emissions and monthly heating expenses.



Replacing underground and older aboveground storage tanks with newer models reduces the risk of heating oil releases.



Furthermore, research has shown that property owners with new, higher-efficiency heating equipment are more satisfied with their comfort level and fuel choice.

As of May 4, 2022, these rebates have helped homeowners afford **5,787** eligible safety and efficiency upgrades, which have saved them more than **\$595.00** in fuel costs per home per year, and reduced statewide carbon dioxide emissions by **more than 5,169 tons** through the higher efficiency of the new systems.



PROGRAM OVERVIEW

Each association – the Upstate New York Energy Association (UNYEA), the New York State Energy Coalition (NYSEC), and the Hudson Valley Oil & Energy Council (HVOEC) - runs its program independently to meet the needs of homeowners within that region.

NYSEC currently offers rebates of \$500 for new, higher-efficiency Bioheat-fueled furnaces or boilers and \$300 for new aboveground storage tanks. Each property can receive up to two rebates with a maximum of \$800 per home.



UNYEA currently offers rebates of \$600 for new, higher-efficiency oil-fueled furnaces or boilers and \$350 for new aboveground storage tanks. Each property can receive up to two rebates with a maximum of \$950 per home.



HVOEC currently offers rebates of \$500 for new, higher-efficiency oil-fueled furnaces or boilers and \$250 for new aboveground storage tanks. Each property can receive up to two rebates with a maximum of \$750 per home.



In previous years, each association has offered other rebate values, and NYSEC has offered rebates for burner replacements



PROGRAM ELIGIBILITY

Dealer Eligibility:

The Upgrade and Save Rebates are available to all Oilheat/Bioheat dealers in the state, regardless of their affiliation with a regional association. Dealers can offer and process rebates through their local regional association only to homes within their service area.

- An unaffiliated dealer located in Albany may offer an Upgrade & Save UNY rebate to a homeowner in Troy.
- A NYSEC affiliated dealer located in Suffolk County cannot, however, offer a rebate to a homeowner in Buffalo, NY, under either the NYSEC or UNYEA programs, even if the dealer were to travel to Buffalo to complete the installation.

To participate, all dealers, regardless of association affiliation, must register with their regional Upgrade & Save Rebate program prior to the annual launch date and provide verification of their business status and appropriate licensing.



PROGRAM ELIGIBILITY

Equipment Eligibility:

Upgrade & Save Rebates may be offered for the installation of:

- Any new oil-fired boiler or furnace
 - New boiler or furnace must have a higher efficiency rating than the equipment being replaced
- Any new aboveground oil storage tank (AST)
 - New storage tank may replace an underground storage tank (UST) or aboveground storage tank.

Program Tracking and Reporting:

The Upgrade & Save Rebate platform provides dealers, the associations and NORA with robust data on the equipment and benefits of the system enhancements, including:

Boilers and Furnaces

Old Equipment (where available)

Make
Model
Serial Number
AFUE Rating

New Equipment

Make
Model
Serial Number
AFUE Rating

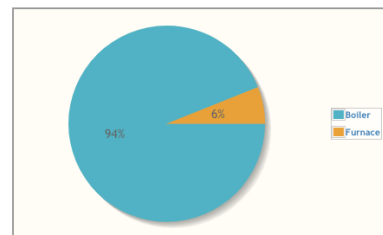
Storage Tanks

Old Tank
Location (UST/AST)
Size
New Tank
Size

Total New Installations: 461

Boilers: 433

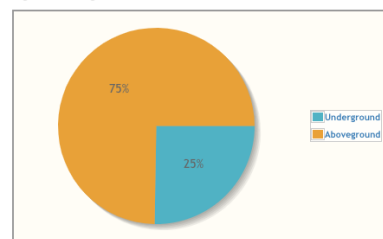
Furnaces: 28



Total New Tanks: 190

Original Underground Tanks: 48

Original Aboveground Tanks: 142



Dealers are also able to upload photos of both old systems and the replacement installation.



PROGRAM SUCCESS

The **UPGRADE AND SAVE REBATE PROGRAMS** have:

- **Helped consumers make cost-effective upgrades and/or fuel-efficient modifications** to an existing heating system through dealer rebates for eligible equipment installations.
- **Helped consumers cost-effectively replace old aboveground and underground oil storage tanks** with new aboveground tanks to mitigate the risk of an oil release.
- **Supplied dealers with tools and training** to successfully utilize the rebate program to facilitate the entry of energy-efficient heating systems into the marketplace.
- Provided region-wide marketing to support the program and **educate homeowners about the rebate program and the economic and environmental benefits of efficiency upgrades.**
- Provided convenient online processing of rebates from pre-approval to submission to Association/NORA for review and payment.
- Created a **database of completed projects and efficiency increases** for short- and long-term tracking of and reporting on reductions in fuel usage and carbon dioxide emissions.



Energy Efficiency and Safety Rebate Program



PROGRAM RESULTS

From January 1, 2015
to May 4, 2022

STATEWIDE:

- Participating Companies: **139**
- Participating Homes: **5,472**
- Rebate Dollars Distributed: **\$2,436,250.00**
- Equipment Replaced:
 - **Boilers: 3,669**
 - ✓ Avg. Efficiency Increase: **14.86%**
 - ✓ Avg. Age Replaced Unit: **30 years**
 - **Furnaces: 356**
 - ✓ Avg. Efficiency Increase: **13.06%**
 - ✓ Avg. Age Replaced Unit: **30 years**
 - **Burners: 49**
- **Storage Tanks Replaced: 1,713**
 - ✓ *Underground Tanks Replaced with AST: 336*
 - ✓ Average Tank Age: **36 years**



PROGRAM RESULTS

From January 1, 2015
to May 4, 2022

Benefits Per Home Per Year

- ✓ Average Reduction in Fuel Use per year: **112 gallons**
- ✓ Average Savings from Lower Fuel Usage per year: **\$597.00**
- ✓ Average Reduction in CO2 Emissions per year: **1.28 tons**

Statewide Benefits

- ✓ Estimated Reduction in Fuel Use per year: **473,354 gallons**
- ✓ Estimated Savings from Lower Fuel Usage per year: **\$2,530,078.00**
- ✓ Estimated Reduction in CO2 Emissions per year: **5,169 tons**

Long-Term Benefits: 25-year Forecast

Per Home Long-Term

- ✓ Average Reduction in Fuel Use over 25 years: **2,792 gallons**
- ✓ Average Savings from Lower Fuel Usage over 25 years: **\$14,923.00**
- ✓ Average Reduction in CO2 Emissions over 25 years: **32.11 tons**

Statewide Benefits Long-Term

- ✓ Estimated Reduction in Fuel Use over 25 years: **11,237,890 gallons**
- ✓ Estimated Savings from Lower Fuel Usage over 25 years: **\$63,251,956.00**
- ✓ Estimated Reduction in CO2 Emissions over 25 years: **129,236 tons**

** Benefits calculations: Based on pre-upgrade fuel use estimate of 800 gallons per year, NORA, Average Annual Fuel Usage 2018-2019; Fuel price for Savings from Lower Fuel Usage: \$5.35 per gallon, NYSEDA Weekly Statewide Heating Cost, 4/25/22; CO2 Reduction: per USDOE/EIA: One gallon of ULSD produces 23lbs CO2 when burned in a residential heating oil system. These calculations assume all homes are burning ULSD/heating oil. The inclusion of 5% biofuel to ULSD in downstate NY further reduces the carbon footprint by an additional 3.257 mm/lbs CO2 over a 25-year period, and many homeowners receive higher blends of biofuel.*



PROGRAM RESULTS

From January 1, 2015
to May 4, 2022

NATIONWIDE:

- Participating Companies: **716**
- Participating Homes: **16,026**
- Rebate Dollars Distributed: **\$6,475,700.00**
- Equipment Replaced:
 - **Boilers: 7,026**
 - ✓ Avg. Efficiency Increase: **16.23%**
 - ✓ Avg. Age Replaced Unit: **32 years**
 - **Furnaces: 2,088**
 - ✓ Avg. Efficiency Increase: **14.30%**
 - ✓ Avg. Age Replaced Unit: **29 years**
 - **Other Equipment: 137**
- **Storage Tanks Replaced: 7,052**
 - ✓ Average Tank Age: **38 years**



PROGRAM RESULTS

From January 1, 2015
to May 4, 2022

Nationwide Benefits Per Home Per Year

- ✓ Average Reduction in Fuel Use per year: **126 gallons**
- ✓ Average Savings from Lower Fuel Usage per year: **\$651.00**
- ✓ Average Reduction in CO2 Emissions per year: **1.45 tons**

Nationwide Benefits

- ✓ Estimated Reduction in Fuel Use per year: **1,151,364 gallons**
- ✓ Estimated Savings from Lower Fuel Usage per year: **\$5,931,829.00**
- ✓ Estimated Reduction in CO2 Emissions per year: **13,240 tons**

Long-Term Benefits: 25-year Forecast

Per Home Long-Term

- ✓ Average Reduction in Fuel Use over 25 years: **3,158 gallons**
- ✓ Average Savings from Lower Fuel Usage over 25 years: **\$16,271.00**
- ✓ Average Reduction in CO2 Emissions over 25 years: **36.32 tons**

Nationwide Benefits Long-Term

- ✓ Estimated Reduction in Fuel Use over 25 years: **28,784,108 gallons**
- ✓ Estimated Savings from Lower Fuel Usage over 25 years: **\$148,295,726.00**
- ✓ Estimated Reduction in CO2 Emissions over 25 years: **331,017 tons**

** Benefits calculations: Based on pre-upgrade fuel use estimate of 800 gallons per year, NORA, Average Annual Fuel Usage 2018-2019; Fuel price for Savings from Lower Fuel Usage: \$5.15 per gallon, EIA PADD 1 East Coast Weekly Residential Heating Oil, 3/28/22; CO2 Reduction: per USDOE/EIA: One gallon of ULSD produces 23lbs CO2 when burned in a residential heating oil system. These calculations assume all homes are burning ULSD/heating oil. The inclusion of 5% biofuel to ULSD in downstate NY further reduces the carbon footprint by an additional 3.257 mm/lbs CO2 over a 25-year period, and many homeowners receive higher blends of biofuel.*





Kris DeLair
Executive Director
Empire State Energy Association
250 Jordan Rd.
Troy, NY 12180
518-280-6645
kdelair@eseany.org
www.eseany.org



Dan Mattice
President
Upstate New York Energy Association
250 Jordan Rd.
Troy, NY 12180
518-280-6645
www.unyea.org



Rocco J. Lacertosa
Chief Executive Officer
New York State Energy Coalition
200 Parkway Drive S. Suite 202
Hauppauge, NY 11788
1-212-695-1380 extension 201
rlacertosa@nysecnow.org
www.nysecnow.org



Robert Mahoney
President
Hudson Valley Oil & Energy Council
PO Box 692
Rhinebeck, NY 12572
845-742-6758
robertzerbe@gmail.com
www.hvoec.org

