



# Reducing Fossil Fuel Use, Home Energy Costs & Carbon Emissions

New York's heating fuel suppliers are helping local homeowners and renters reduce their annual fossil fuel consumption, heating costs, and greenhouse gas emissions through the Upgrade & Save Energy Efficiency and Safety Rebate Program. This program provides significant savings on biofuel-compatible, high-efficiency home heating systems. Let's take a closer look...



## PROGRAM OVERVIEW

 <b>158</b> Participating heating fuel businesses	 <b>5,989</b> Boilers and furnaces replaced	 <b>\$3.79 Million</b> Total installation cost savings
 <b>9,017</b> Participating homes	 <b>3,153</b> Fuel tanks replaced	 <b>14.07%</b> Average efficiency improvement



## SAVINGS PER HOME

 <b>111 Gallons</b> Average fossil fuel reductions per year	 <b>\$446</b> Average home energy cost savings per year	 <b>1.28 Tons</b> Average carbon reduction per year
 <b>2,782 Gallons</b> Fossil fuel reductions over 25 years	 <b>\$11,154</b> Home energy costs saved over 25 years	 <b>31.99 Tons</b> Emission reductions over 25 years



## TOTAL SAVINGS STATEWIDE



New York  Bioheat® Fuel

 <b>666,354 Gallons</b> Estimated fossil fuel reductions per year	 <b>\$2.65 Million</b> Estimated home energy cost savings per year	 <b>191,577 Tons</b> Carbon reductions over 25 years
 <b>16.66 Million Gallons</b> Fossil fuel reductions over 25 years	 <b>\$66.19 Million</b> Home energy costs saved over 25 years	<b>equating to →</b>  <b>40,539</b> Gasoline-powered cars off the road

As of July 1, 2023, all heating oil sold in New York State will contain 5% renewable biodiesel. B5 Bioheat® fuel reduces the state's carbon footprint by another 20,000 tons per year, and some suppliers deliver blends as high as B50.



The Upgrade & Save Rebate Program is administered by the Empire State Energy Association and the New York State Energy Coalition and sponsored by the National Oilheat Research Alliance. Together, these groups are working to transition New York homes to the next generation of low-carbon heating fuels and high-efficiency heating systems.



Benefit Calculations: Fuel savings based on pre-upgrade use estimate of 800 gallons per year, NORA, Average Annual Fuel Usage 2018-2019; Fuel cost savings based on \$3.83 per gallon price, NYSERDA Weekly Statewide Heating Cost, 3/31/25; Emission reductions based on carbon coefficient of 23lbs. CO<sub>2</sub> per gallon, DOE, Energy Information Administration. These calculations assume all homes are burning ULSD/heating oil.