

## **Cost of All-Electric Home**

A study released by the New Buildings Institute and the Natural Resources Defense Council (NRDC) on April 13, 2022 found all-electric single family home construction in New York State to be \$7,500 to \$8,200 less expensive than constructing a new non-electric home. The study's single-family all-electric home prototype is a wood frame two-family residence with heat and air conditioning, a heated basement, an unconditioned attic, and sloped roof. Also, all-electric new homes result in reduced total energy consumption of 34%. The study found the avoided cost of installing fossil fuel infrastructure, such as gas and oil, provided a substantial saving. The prototype is based on New York's climate and real estate market, and reports builders found the cost of all-electric building construction is significantly lower than the cost of constructing the fossil fuel system.

The fossil fuel industry has also been claiming that the cost of heating and cooling using electricity is 3 to 5 times as much as natural gas. This statement is based on the use of electric-resistant heaters and not the air-to-air or geothermal heat pumps utilized in current construction.