

# ENERGY STAR V3.1 Home Report

CLEAResult®

**Property**

Lot 3  
Edgartown, MA 02568

**Organization**

CLEAResult  
Nicholas Abreu

**Inspection Status**

Results are projected

Meeting House Place Houses  
Energy Star - All Electric

**Builder**

Unknown

## Mandatory Requirements

- ✓ Duct leakage at post construction better than or equal to ENERGY STAR v3/3.1 requirements.
- ✓ Envelope insulation levels meet or exceed ENERGY STAR v3/3.1 requirements.
- ✓ Slab on Grade Insulation must be > R-5, and at IECC 2009 Depth for Climate Zones 4 and above.
- ✓ Envelope insulation achieves RESNET Grade I installation, or Grade II with insulated sheathing.
- ✓ Windows meet the 2009 IECC Requirements - Table 402.1.1.
- ✓ Duct insulation meets the EPA minimum requirements of R-6.
- ✓ Mechanical ventilation system is installed in the home.
- ✓ ENERGY STAR Checklists fully verified and complete.

## HERS Index Target

Reference Home HERS	65
SAF (Size Adjustment Factor)	1.00
SAF Adjusted HERS Target	<u>65</u>
As Designed Home HERS	63
As Designed Home HERS w/o PV	63

## Normalized, Modified End-Use Loads (MBtu / year)

	ENERGY STAR	As Designed
Heating	45.9	57.1
Cooling	2.0	1.3
Water Heating	12.5	3.8
Lights and Appliances	28.7	24.9
<b>Total</b>	<b>89.1</b>	<b>87.1</b>



This home **MEETS** or **EXCEEDS** the energy efficiency requirements for designation as an EPA ENERGY STAR Qualified Home under Version 3.1

## Pollution Prevented

Type of Emissions	Reduction
Carbon Dioxide (CO <sub>2</sub> ) - tons/yr	0.9

## Energy Cost Savings

	\$/yr
Heating	-357
Cooling	9
Water Heating	397
Lights & Appliances	161
Generation Savings	0
<b>Total</b>	<b>210</b>

The energy savings and pollution prevented are calculated by comparing the Rated Home to the ENERGY STAR Version 3.1 Reference Home as defined in the ENERGY STAR Qualified Homes HERS Index Target Procedure for National Program Requirements, Version 3.1 promulgated by the Environmental Protection Agency (EPA). In accordance with the ANSI/RESNET/ICC 301-2014 Standard, building inputs affecting setpoints infiltration rates, window shading and the existence of mechanical systems may have been changed prior to calculating loads

# Emissions Summary

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## Emissions by End-Use

### Carbon Dioxide (CO<sub>2</sub>) [tons/yr]

Heating	7.4
Cooling	0.1
Water Heating	0.8
Lights & Appliances	4.7
Photovoltaics	-0.0
<b>TOTAL</b>	<b>12.9</b>

### Sulfur Dioxide (SO<sub>2</sub>) [tons/yr]

Heating	18.4
Cooling	0.2
Water Heating	1.9
Lights & Appliances	11.7
Photovoltaics	-0.0
<b>TOTAL</b>	<b>32.2</b>

### Nitrogen Oxide (NO<sub>x</sub>) [tons/yr]

Heating	10.3
Cooling	0.1
Water Heating	1.1
Lights & Appliances	6.6
Photovoltaics	-0.0
<b>TOTAL</b>	<b>18.1</b>

# Fuel Summary

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## Annual Energy Cost

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Electric	\$2,952
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## Annual End-Use Cost

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Heating	\$1,643
Cooling	\$18
Water Heating	\$173
Lights & Appliances	\$1,043
Onsite Generation	-\$0
Service Charges	\$76
Total	\$2,952

## Annual End-Use Consumption

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Heating [Electric kWh]	11,490.2
Cooling [Electric kWh]	129.2
Hot Water [Electric kWh]	1,206.9
Lights & Appliances [Electric kWh]	7,291.1
Total [Electric kWh]	20,117.3
Total Onsite Generation kWh	0.0

## Peak Electric Consumption

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Peak Winter kW	4.71
Peak Summer kW	1.45

## Utility Rates

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Electricity	NGRID_MA
Propane	Default Propane