

# Stanley Street Lower Sackville

The homeowner wanted to save money on her heating bill and increase the comfort of her home.

With help from Efficiency Nova Scotia, she chose her recommended upgrades and is now saving more than \$400 in energy costs per year.

## Savings in Energy Costs:

\$410.00 per year

## Estimated Payback for Energy Upgrades:

12 Years

## Summary

Year constructed	2016
Size	880 ft <sup>2</sup>
Style	Mini home
EnerGuide Rating	42 GJ/year

## Energy Saving Features

- Air source heat pump
- Efficient lighting throughout
- Raised heel roof truss with R-60 insulation



# Design Comparison

## Building Envelope

Building Component	Building Code Standard	As Built
Ceiling	R-50 with standard heel (effective R-39)	R-60 with raised heel (effective R-55)
Exterior walls	R-22 batts	R-24 batts
Exposed floors	R-32 batts	R-32 batts
Windows	Double pane/Low-E/Argon	Double pane/Low-E/Argon

## Mechanical Systems

Building Component	Building Code Standard	As Built
Heating system	Electric baseboard	Minisplit heat pump (HSPF 10, SEER 25.5)
Domestic hot water	Electric hot water tank	Electric hot water tank
Heat recovery ventilator	60% efficient heat recovery	60% efficient heat recovery

## Other

Item	Building Code Standard	As Built
Lighting	Incandescent lighting	LED lighting
Thermostats	Bi-metal, non-programmable	Electronic, programmable

## Results

Building Component	Building Code Standard	As Built
EnerGuide Rating	52 GJ/year	42 GJ/year
Annual energy consumption	14,532 kWh	11,788 kWh
Annual energy cost	\$2,179.80	\$1,768.20

## Financial Comparison

Cost of energy upgrades	\$0	\$6,000
Rebate from Efficiency Nova Scotia	\$0	\$1,000 <sup>1</sup>
Monthly energy costs	\$181.67	\$147.33

**Final EnerGuide Rating: 84**

**Annual Energy Consumption: 11,788 kWh**



<sup>1</sup> Based on current rebates through Efficiency Nova Scotia's New Home Construction Program: rebates available at the time of registration may vary.