

Residential Energy Assessment Summary Report



NYSERDA

Name: Joe Homeowner
Address: 123 Main St
Albany, NY 12203

Auditor's Name: XXXXX XXXXXX
Company Name: XXXXX XXXXXX
Date: October 20, 2022

Envelope Improvements

Measure	Below Average	Best Option	Existing Values	Recommended Upgrade	Estimated Annual Savings
Air Leakage	High Air Leakage	Low Air Leakage	High	Air Sealing	4.8%
Attic/Roof Insulation (R-value)	Area #1 Area #2 Area #3 R-0 R-11 R-19 R-60	R-60	R-11 n/a n/a	R-50 Not Recommended Not Recommended	10.4%
Wall Insulation (R-value)	Exposed to Exterior & Rim Joist Adjoining Enclosed Space R-0 R-11 R-23	R-23	R-5 n/a	R-13 Not Recommended	16.7%
Floor Insulation (R-value)	Over Exterior Over Enclosed Space R-0 R-19 R-39	R-39	n/a n/a	Not Recommended Not Recommended	n/a
Foundation Insulation (R-value)	Basement Crawlspace R-0 R-11 R-23	R-23	R-0 R-0	R-13 R-13	2.5%
Replacement Windows (U-factor) (SHGC)	0.90 0.80	0.27 0.32	0.49 0.58	Not Recommended Not Recommended	n/a

Heating and Cooling Improvements

Primary Heating	Inefficient Furnace	Efficient Heat Pump	Furnace	Efficient Heat Pump	51.9%
Upgrade to cold climate air source heat pump	70	98	78	Not Recommended	n/a
Primary Heating: Furnace					
Upgrade to new unit with same heating fuel					
Duct Leakage	Leaky Ducts	Sealed Ducts	Ducts Not Sealed	Sealed Ducts	2.6%
Thermostat	Manual	Wifi / Learning	Programmable	Learning	6.6%
Secondary Heating: n/a			n/a	Not Recommended	n/a
Central Cooling (SEER)	10 13 16 19 22		10	Not Recommended	n/a
Room / Window Air Conditioner (Efficiency Rating)			n/a	Not Recommended	n/a

Water Usage and Water Heating

measure	Below Average	Best Option	Existing Values	Recommended Upgrade	Estimated Annual Savings
Water Heater (Efficiency Rating)	0.80	3	0.7 Natural Gas - Storage	3.4 Electricity - Heat Pump (independent)	Energy Savings 6.4%
Showerheads (Water Savings)	Non-rated (not water saving)	Water Sense (1.5 gal/min)	Non-rated (not Water saving)	Best: Water Sense (1.5 gal/min)	Water Savings 12.4%
Showerheads (Energy Savings)	Non-rated (not water saving)	Water Sense (1.5 gal/min)	Non-rated (not Water saving)	Best: Water Sense (1.5 gal/min)	Energy Savings 0.5%
Faucet Aerators (Water Savings)	No Faucet Aerators	Faucet Aerators	No Faucet Aerators	Faucet Aerators	Water Savings 7.0%
Faucet Aerators (Energy Savings)	No Faucet Aerators	Faucet Aerators	No Faucet Aerators	Faucet Aerators	Energy Savings 0.3%

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Appliances and Lighting

Primary Refrigerator (Efficiency Rating)		Not ENERGY STAR	ENERGY STAR Most Efficient / CEE Tier 3	0.3%
Secondary Refrigerator / Standalone Freezer (Efficiency Rating)		n/a	Not Recommended	n/a
Dishwasher (Efficiency Rating)		n/a	Not Recommended	n/a
Lighting		Incandescent:40% CFL:0% LED:60%	Incandescent:0% CFL:0% LED:100%	1.3%
Clothes Washer (Efficiency Rating)		Not ENERGY STAR	ENERGY STAR Most Efficient	0.6%
Dehumidifier (Efficiency Rating)		1.8	Not Recommended	n/a

Additional Notes by Auditor

78% Furnace & Low Eff gas Storage tank, Furnace has humidifier which should be removed / Disconnected. Basement was uninsulated with 3 near full height crawlspaces. 1/3 has exposed dirt floor with abandoned oil tank And is vented to the outside, All of which should be corrected. Rim joists should get foamed and foundation walls foam boarded. Brick/stone exterior walls are 2x4 with assumed 1" fiberglass that would require interior dense pack. Attic has (2) 3" layers of incorrectly installed fiberglass in poor condition in the attic. Attic needs Mold addressed & Small area of vermiculite remediated before any work can be done. Bath fans vented incorrectly, Ridge & Soffit not functional, Attic mostly being used as storage area. Remove flooring airseal and insulate to R50+.



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This report documents your home's existing conditions and recommended upgrades related to the energy performance of your home. This report provides estimates of energy usage savings based on energy modeling for the purposes of prioritizing energy upgrades. Estimated annual savings is represented in energy unit savings, not dollar savings. Energy savings estimates may vary from actual results. These savings are not guaranteed by either the auditor or NYSERDA. Version: 9.6.22