



Home Energy Assessment

Date of Assessment: _____ **Homeowner Last Name:** _____
Address: _____ **City:** _____ **Zip Code:** _____
Homeowner Phone Number: (____) _____ **Homeowner email:** _____
HomeFree Nevada Partner: _____ **Partner's Energy Assessor:** _____
Partner Address: _____ **City:** _____ **Zip Code:** _____
Partner Phone Number: (____) _____ **Partner email:** _____

Thank you for participating in the HomeFree Nevada, Home Performance with ENERGY STAR program. Based on the energy assessment that was just completed for you as a part of the Home Energy Fitness Campaign, your energy assessor has completed a summary of the results on how your home performs for you below and has recommended improvements for you to complete. In addition to the summary provided below, specific results on your home's performance can be found on the attached pages as well as photographs of existing conditions. Remember to ask your energy assessor if you have specific questions about the results or would like more information.

Summary of Major Home Conditions and Findings

From _____ to _____, your home consumed _____ of energy and cost you \$_____.

Building Envelope Inspection

Your home's envelope offers many opportunities for energy efficiency improvements. This section covers findings on air leakage, insulation levels, the condition of your windows and doors, and results from the blower door test.

Heating, Ventilation, and Air Conditioning (HVAC) and Domestic Hot Water Systems

Your HVAC and hot water systems can offer dramatic comfort and energy savings opportunities. This section covers findings on duct leakage, the condition of your heating and air conditioning system, as well as your water heater.



Moisture and Home Durability

Inspecting for moisture and reviewing your home’s durability can help identify problems that affect your health.

Appliances, Water Fixtures, and Lighting

This section reviews major findings from a review of your appliances, water fixtures, and lighting.

Combustion Appliances and Living Space Tests (also known as CAZ tests)

Performing these tests is optional under this assessment, but they can help identify problems that could affect your health and safety. This section covers major results from CAZ testing.

Other Major Findings and Behavioral Measures:

Summary of Recommended Improvements

Based on the findings, your energy assessor recommends the following improvements to your home which can help reduce your energy consumption, costs, and environmental impact while also improving the health, safety, and durability of your home. Check all items that will be included in your home’s energy upgrade.

Recommended Improvements and Energy Conservation Measures		Estimated Annual Reductions			Estimated cost to install
		Energy	Cost	Emissions	
1					
2					
3					
4					
5					
6					
7					
8					
9					
10					
TOTAL					



Home Information and Utility Bills

Number of occupants: _____ Number of Bedrooms: _____

From _____ to _____, energy consumption was: Electric: _____ +

Gas: _____ + Other (specify): _____ + Renewable: _____ **Total:** _____

The cost to you was: \$ _____ (electric) + \$ _____ (gas) + \$ _____ (other) = **Total:** _____

*Unit conversions: 1 kWh = 0.03412 Therms = 3412.14 BTU 1 Therm = 100 ft³ = 29.307 kWh = 100,000 BTU

Photographs of Existing Conditions Please add photos of ECMs to be improved:

Building Envelope Inspection

External/Internal Conditions:

Foundation:

Blower Door

Building Airflow Standard with Calculations:

Leakage _____ Pass Pass with Ventilation Recommended

Airflow Test Result _____ Pass

Leaks found at:

	Conditions
Attic	
Doors/Windows	
Recess Lights	
Plumbing Penetrations	
Home's Exterior	
Fireplace	
Exhaust Fans	
Ceiling Fans	

Recommended Improvements:

Doors and Windows

	Condition/ Shading	Recommended Improvements
Main door		
Door to garage		
Rear door		
Windows		



Insulation

Area	R-Value	Condition	Recommended Improvements
Wall Areas			
Attic (flat)			
Attic (slope)			
Kneewalls			
Garage Ceiling			
Rimjoist			
Crawlspace			
Basement			
Ducts			

Front of home is oriented: North East South West

Renewable energy opportunities: GOOD FAIR POOR

Heating, Ventilation, and Air Conditioning (HVAC) and Domestic Hot Water Systems

Thermostats	Types	Setting	Count	Recommended Improvements
Whole home				

Heating System and Air Conditioning

Type	Efficiency	Age	Condition	Recommended Improvements

AFUE: _____ SEER: _____ HSPF: _____
 AFUE: _____ SEER: _____ HSPF: _____

Filters

Size	Qty	Condition	Recommended Improvements

Duct Blast Result:

Total Leakage: _____ Leakage To Outside: _____

Pressure Pan Average: _____

Leaks found at: _____

Recommended Improvements:



Mechanical Ventilation and Exhaust Flues

Area	Condition	Recommended Improvements

Domestic Hot Water

Type	Efficiency	Age	Condition	Recommended Improvements

Moisture and Home Durability

Area	Condition	Recommended Improvements
Basement		
Crawl Space		
Foundation		
Attic area		
Windows		
Walls		
Living Space		

Home Exterior

Pool Covers? Spa Pool cover Pool pump hours of operation: _____ Recommended Improvements: Spa Cover

Landscaping	Type	Recommended Improvements
Front yard		
Side yard		
Rear yard		

Trees:

Major Home Durability Issues:

Appliances, Water Fixtures, and Lighting

Appliances	Age	Condition	Recommended Improvements
Refrigerator			
Dishwasher			
Washer			
Dryer			
Other			



Water fixtures	Condition	Recommended Improvements
Bathrooms		
Showers		
Kitchen		
Other		

Lighting	Types	Count	Recommended Improvements
Whole home			Install _____ new CFLs

Combustion Appliances and Living Space Tests

Detectors

Smoke CO

Recommended Improvements: _____

Worst Case Test Results

	Spillage	Draft	CO
Heating System	Pass	_____pa	_____ppm
Domestic Hot Water System	Pass	_____pa	_____ppm
Other	Pass	_____pa	_____ppm

Natural Condition Test Results

	Spillage	Draft	CO
Heating System	Pass	_____pa	_____ppm
Domestic Hot Water System	Pass	_____pa	_____ppm
Other	Pass	_____pa	_____ppm

CAZ Tests

	CO Ambient	Base Pressure	Worst Case Pressure	Net CAZ Depress.	CAZ limit	Outside Temperature (°F)	Vent	Confined Space
CAZ 1:	_____	_____	_____	_____	_____pa	_____	Pass	
CAZ 2:	_____	_____	_____	_____	_____pa	_____	Pass	

Required Action Measure(s): _____

Recommended Improvements: _____

Gas Leakage

Test: No Leaks Leaks Detected as Noted _____

Carbon Monoxide

	Kitchen ppm	Main Living ppm	Other ppm
Ambient CO	_____	_____	_____
Oven & Range CO	_____	_____	_____

Other

Confined Space

Dryer: Gas/ Electric

Recommended Improvements:



Incentives and Financing for Upgrades

Now that you have the results of your energy assessment, it is time to begin your energy efficiency upgrades. Although this list is not comprehensive, it does provide incentive and financing options that should be considered for your home's upgrades and may reduce the total cost of the work to be completed. **Please note: HomeFree Nevada provides this information for convenience; individual incentives and financing may include separate applications, terms, and conditions and are not guaranteed by the organization. Not all incentives may be available and that some individual incentives and financing may not be considered a match if participating in the HomeFree Nevada Incentive Program.** Be sure to consult with your Partner for additional details regarding these incentives.

- **Tax credits**
 - Federal- Residential Energy Efficiency Tax Credit
 - Federal- Residential Renewable Energy Tax Credit
- **Loans and Mortgages**
 - Green Chips- Green Chips Revolving Loan Fund
 - 680 minimum credit score; 7 year term, \$7,500 match
 - Federal Housing Administration- Energy Efficient Loans
 - Veterans Administration- Energy Efficient Mortgage
 - Private lenders- Energy Efficient Mortgages
- **Rebates**
 - NV Energy- RenewableGenerations
 - SolarGenerations
 - WindGenerations
 - NV Energy- Refrigerator Recycling
 - NV Energy- CheckMe! Plus AC Program
 - NV Energy- Cool Share (Southern Nevada)
 - NV Energy- Efficient Pool Pumps (Southern Nevada)
 - NV Energy- ENERGY STAR lighting
 - NV Energy- Heating Rebates (Northern Nevada)
 - Southwest Gas- Energy Efficient appliance rebate
 - Southwest Gas- Solar Water Heating Rebate
 - Southwest Gas- Storage Water Heater Rebate
 - SNWA- Water Smart Landscape rebate (Southern Nevada)
 - SNWA- Pool cover rebate (Southern Nevada)
 - SNWA- Smart Irrigation Controller Rebate (Southern Nevada)

Sources:

www.greenchips.org

www.dsireusa.org

www.nvenergy.com

www.swgas.com

www.snwa.com

<http://www.energy.state.nv.us/>