Governor's Office of Energy:
Home Energy Retrofit Opportunities for Seniors (HEROS) Program

**Governor's Office of Energy**
Key: Energy Program Manager
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**Mission**
- To ensure the wise development of Nevada's energy resources in harmony with local economic needs and to position Nevada to lead the nation in renewable energy production, energy conservation, and the exportation of energy.
- Governor's Office of Energy (GOE) implements the laws of the State as defined in Nevada Revised Statutes 701 and 701A; manages energy-related programs; facilitates cooperation between key stakeholders; advises the Governor on energy policy; and collaborates with our local, regional, and federal partners to ensure a reliable and sustainable energy system.

**Home Energy Retrofit Opportunity for Seniors (HEROS) Program**
- Funded by GOE and administered by the Nevada Housing Division, this program reduces energy costs by improving energy efficiency of the home.
- HEROS provides up to $6,000 for qualifying seniors, which covers an energy assessment and installation of recommended weatherization measures.

**Energy (GOE) and Housing (NHD) Collaboration**
By using the Nevada Housing Division (NHD) and its established Weatherization (Wi) system the GOE does not incur duplicative administrative expenses and can deliver energy efficiency improvements more effectively.

NHD provides all of the following:
- Test equipment.
- Trained and verified energy auditors.
- Licensed and licensed contractors.
- Third party measurement and verification.

**Terminology**
- Conservation: using less energy (behavior).
  - Examples: turning off lights, changing thermostat set points.
- Efficiency: using less energy for same output (technology).
  - Examples: LED lights, high-efficiency furnace, insulation, duct improvements.
- Retrofit: Energy efficiency improvements to a building in order to ensure the continued cost effective operation and maintenance for the occupant.
- Weatherization: The Federal Program which reduces energy costs for low-income households by increasing the energy efficiency of their homes, while ensuring their health and safety.
- HVAC: Heating, Ventilation and Air Conditioning. The system that keeps you cool in the summer and warm in the winter.

**HEROS Key Benefits**
- Makes your home more efficient, resulting in lower monthly energy bills for the household.
- Increases comfort due to the better utilization and distribution of air in the home. Eliminate drafts!
- Improves home energy conservation which is good for the environment.
- May improve performance of existing equipment or install new equipment.
- Create a healthier, safer home.
What is an Energy Audit/Assessment?

Audit: A visual inspection and diagnostic overview of the energy, health and safety features of the entire home with a focus on specific, practical and cost-effective ways that energy consumption can be reduced.

This is conducted by a Nevada Licensed, Building Performance Institute (BPI) Certified Auditor through NEH.

A sample of items that will be investigated include:
- Characteristics of appliances and lighting
- Insulation level of the walls, floor and ceiling
- Building air flow
- Testing of combustion appliances
- The efficiency of the heating and cooling of the home

Assessment Tools

Sample of Testing Equipment Used

Blower Door & Manometer
- Used to measure air leakage before and after air and duct sealing.
- The manometer is precisely calibrated.
- Accurately measures how much air is leaking into the home.
- Helps identify air leak locations and magnitude.

Cost-Benefit Analysis

To determine which improvements should be made, we may compare the upfront cost to the savings over time:

Shower Head
- Old: 2.5 gallon per minute (GPM)
- New: 1.5 GPM
- Savings: 1.0 gallon per minute
- 30 min showering = 30 gallons per day
- 365 days = 10,950 gallons per year
- Annual savings for electricity and water: $150
- Showhead Cost: $25
- Cost-Benefit: 1:8 (Each dollar spent = $8 savings)

HEROS Eligible Energy Conservation Measures

1. Duct Sealing
2. Shell Sealing
3. Floor Insulation
4. Duct Insulation
5. Air Conditioner/Evaporative Cooler Covers
6. Exhaust Fan w/Dampers
7. Broken Window Repair
8. Water Heater Blanket
9. Dual Pane Windows
10. Solar Screens (Southern Nevada Only)
11. Attic Insulation
12. CFL or LED Retrosfits
13. Energy Star Rated Refrigerator from Approved Contractor

HEROS Eligible Energy Conservation Measures

14. Air Conditioner Replacement
15. Furnace 90% AFUE Replacement
16. Air Conditioner Clean & Tune or repair
17. Furnace Clean & Tune or repair
18. Heat Pump Replacement
19. Water Heater Replacement
20. Heat Pump Clean & Tune or repair
21. Low Flow Showerhead or Faucets
22. Water Heater Pipe Wrap and Water Heater Blanket
23. Elastomeric Coating & Polyisocyanurate Foam
24. Heat Pump Water Heater
25. Programmable thermostat installation

Program Statistics

(As of July 1st, 2017)

- Completed Projects: 473
- Number of Occupants: 678
- Average Site Home: 1,300 SF
- Average Age of Home: 37 Years
- Average Household Income: $18,200
- Average HEROS Investment: $2,870
- Annual Energy Cost: $1,954
- Average HEROS Savings: $228
- Percent Savings: 47%
Eligibility

Program requirements:
1. Age 60 years and greater
2. NV Energy customer
3. Own and reside in home
4. Have income at or below 200% of federal poverty guidelines

What is 200% of the federal poverty level?

<table>
<thead>
<tr>
<th>Family Size</th>
<th>Poverty Level</th>
</tr>
</thead>
<tbody>
<tr>
<td>1 member</td>
<td>$12,770</td>
</tr>
<tr>
<td>2 members</td>
<td>$17,180</td>
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<tr>
<td>3 members</td>
<td>$22,050</td>
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<tr>
<td>4 members</td>
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<tr>
<td>5 members</td>
<td>$33,250</td>
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<tr>
<td>6 members</td>
<td>$39,520</td>
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</tbody>
</table>

How to Apply?

Contact 1 of 2 Service Provider Agencies (Southern Nevada)

HELP of Southern Nevada
(Las Vegas, Southern Rural Clark County, and City of Henderson)
1840 East Flamingo Road, Suite 100
Las Vegas, Nevada 89119
Tel: (702) 366-4357

Las Vegas Urban League
(North Las Vegas and Northern Rural Clark County)
http://www.lvul.org/
3675 W. Cheyenne Ave, Suite #101
North Las Vegas, Nevada 89032
Tel: (702) 636-3049

How to Apply?

Contact 1 of 3 Service Provider Agencies (Northern Nevada)

Community Services Agency (CSA)
Washoe County
http://www.csawv3.org/
1080 E. 8th Street
Reno, Nevada 89512
Tel: (775) 788-8020

Nevada Rural Housing Authority
Carson, Churchill, Douglas, Lyon and Storey Counties
http://www.nzgov.org/How-to-apply/stockpact.php
3685 Desert Inn Dr.
Carson City, NV 89701
Tel: (775) 385-1795, ext.124

Rural Nevada Development Corporation (RNDAC)
All Other Counties
http://www.nzgov.org/how-to-apply/stockpact.php
1303 East Aulinon Street
Elko, Nevada 89801
Tel: (775) 289-8519

Governor's Office of Energy: Energy Efficiency Programs

QUESTIONS?

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