



Renewable Energy Offset Program (REOP)

Residential

All new and additions of 1,000 square feet or more.

1. Submit a Home Energy Rating System (HERS) rating in conjunction with Building Permit application. See Permit Technician for list of approved HERS Raters.
2. Provide final HERS rating certification prior to Certificate of Occupancy.
3. HERS index requirements or fee-in-lieu as follows:

<u>Project Size</u>	<u>HERS Index</u>	<u>or</u>	<u>Fee-in-lieu</u>
1000 to 3000 SF	75		\$ 3.00 / SF
3001 to 5000 SF	70		4.00 / SF
5001 to 10,000 SF	65		5.00 / SF
Over 10,000 SF	60		6.00 / SF

Commercial

All new and additions of 1,000 square feet or more.

1. Submit a simulated energy performance document in conjunction with Building Permit application. Energy performance criteria for the project must exceed the Requirements of the International Energy Conservation Code or ASHRAE 90.1, whichever is applicable, by at least 15%.
2. Simulated performance document requirements or fee-in-lieu as follows:

<u>Project Size</u>	<u>Required Submittal</u>	<u>Fee-in lieu</u>
1000 to 5000 SF	COMcheck or DOE-2	\$ 7.00 / SF
Over 5000 SF	DOE-2	8.00 / SF

Exterior Energy Use

1. This section applies to Snowmelt, Swimming Pools, Spas and Heated Garages.
2. Options available under this section:
 - a. Mitigate 50% of the project's REOP Mitigation Obligation with either on-site or approved off-site renewable energy system.
 - b. Pay fee-in-lieu for 100% of the project's REOP Mitigation Obligation.

<u>System Type</u>	<u>REOP Mitigation Obligation</u>
Snowmelt	\$ 34.00 / SF
Swimming Pool	136.00 / SF
Spa	176.00 / SF
Heated Garage	8.00 / SF

<u>Renewable Energy System</u>	<u>Allowed Credit</u>
Solar Hot Water	\$ 125.00 / SF
Photo-voltaic	6.25 / watt
Ground Source heat Pump	6.75 / 100,000 Btu's / year
Micro-Hydro Generation	Case Specific
Wind Generation	Case Specific
Replacement of existing boiler	\$ 400.00 / 1% of increased eff.

3. Exemptions.

- a. Single family dwelling garage aprons are allowed 200 SF
- b. Single family driveways exceeding 8% slope
- c. Commercial multi-family are allowed 50 SF per unit
- d. Residential spas are allowed 64 SF
- e. Commercial spas are allowed 64 SF or 3 SF per unit
- f. Pre-existing systems see Building Official
- g. Repairs to existing systems

4. **Appeals.** All applications denied by the Chief Building Official may be Appealed to the Building Department Board of Appeals.

Examples

$$\begin{aligned} & \text{Snowmelt Area of 1200 SF} \\ & \$34.00 \times 1200 / .92(\text{boiler efficiency}) = \$44,347.83 \times 50\% = \$22,173.92 \\ & \$22,173.92 / \$125.00 = 178 \text{ SF of solar hot water panels} \\ & \text{OR} \\ & \$22,173.92 / \$6.25 = 3548 \text{ watts of solar photo-voltaic} \\ & \text{OR} \\ & \$34.00 \times 1200 / .92(\text{boiler efficiency}) = \$44,347.83 \text{ fee-in-lieu} \end{aligned}$$