

Central Valley Electric Cooperative, Inc.
POLICY No. 509

**Air Source and Ground Source Heat Pump
ENERGY EFFICIENCY PROGRAM**

I. OBJECTIVE

Heating and cooling is typically the number one energy consumer in homes and buildings. Central Valley Electric Cooperative (CVE) promotes the installation of energy efficient heating and cooling units when constructing new buildings or remodeling existing buildings.

II. POLICY CONTENT

CVE offers this program in conjunction with Western Farmers Electric Cooperative's (WFEC) Energy Efficiency Rebate Program for ground source heat pumps, and the guidelines established by WFEC. CVE offers an air source heat pump rebate.

III. PROVISIONS

Residential Program (includes manufactured homes on permanent foundation)

Air Source Heat Pump (ASHP) Rebate

- \$175 per ton rebate
 - Minimum Specifications:
 - Minimum SEER of 16
 - Minimum HSPF of 8.5
 - Backup/Supplemental heat can be natural gas or propane

Ground Source Heat Pump (GSHP) Rebate (*desuperheater NOT required*)

Tier One:

- Up to \$3,200 per ton rebate (\$700 from WFEC; \$2,500 from CVE) On site verification required
 - Minimum Specifications- Specifications based on 2nd stage values:
 - Closed Loop: ≥ 15.9 EER & ≥ 3.3 COP
 - Open Loop: ≥ 18.0 EER & ≥ 3.6 COP

An additional \$150 will be paid by WFEC if a desuperheater is installed.

GSHP to GSHP

- Up to \$2,750 per ton rebate (\$250 from WFEC; \$2,500 from CVE) On site verification required
- Minimum Specifications:
 - Closed Loop: ≥ 3.0 EER Increase & ≥ 3.3 COP
 - Open Loop: ≥ 3.0 EER Increase & ≥ 3.6 COP

SPLIT SYSTEMS

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- Up to \$3,200 (\$700 from WFEC; \$2,500 from CVE)
On site verification required
- Minimum Specifications:
 - Closed Loop: ≥ 15.5 EER & ≥ 3.3 COP
 - Open Loop: ≥ 18.0 EER & 3.6 COP

An additional \$150 will be paid by WFEC if a desuperheater is installed

Commercial and Industrial and Schools Program

Ground Source Heat Pump

- Up to \$2,750 per ton rebate (\$250 from WFEC; \$2,500 from CVE)
On site verification required
- Minimum Specifications:
 - Closed Loop ≥ 15.9 EER & ≥ 3.3 COP
 - Open Loop ≥ 18.0 EER & ≥ 3.6 COP

IV. RULES AND GUIDELINES

To receive rebate funds, a completed Rebate Application with appropriate signatures must be submitted. The following information must also be submitted:

- Prior notice to CVE should be given.
- Manual J/Heat Load Calculation is required for all geothermal applications. This assessment will determine if this type of application is appropriate for the structure.
- Copy of paid invoice from Contractor/Installer of equipment
- Copy of Air-Conditioning, Heating and Refrigeration Institute (AHRI) reference certificate
- Nameplate information of old equipment or year equipment was installed
- Nameplate information of new equipment
- On-site verification is required
- Rebates will be given in the form of a check, not utility bill credit
- CVE does not guarantee a specific level of energy or cost savings will result from the implementation of or use of products funded under this program.
- CVE is not liable for any damages caused by the operation or malfunction of the installed equipment.
- All HVAC equipment must be new equipment.
- HVAC equipment must be installed in accordance with all applicable local, state and national codes and ordinances.

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- Members must apply for rebates within 60 days of HVAC equipment installation. Rebates will be issued within 30 days of approved application.
- HVAC equipment must be fully operational before a rebate can be issued.

V. PROGRAM FUNDING

Funding for this program will be from the Renewable Energy and Energy Conservation Fund. Should the Renewable Energy and Energy Conservation Fund become deficient in funds; the program will become inactive until such time funds are available.

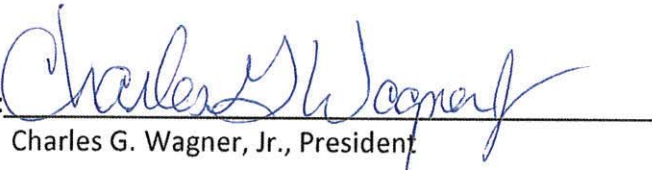
VI. ENVIRONMENTAL ATTRIBUTES

The member agrees by receiving rebates from CVE that all environmental attributes, including renewable energy certificates, available by statute or regulation will become the property of WFEC or CVE, at the determination by CVE, to be used for compliance requirements.

VII. RESPONSIBILITY

The General Manager is responsible for the administration of this policy.

Approved: _____


Charles G. Wagner, Jr., President

Effective Date: 03/27/2013

Revised Date: 7/22/2015

Revised Date: 8/26/2015

Revised Date: 09/23/2015

Revised Date: 12/23/2015

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