

# Pedernales Electric Cooperative



## Residential Rebate Program Manual

Last Updated:

January 1, 2021

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# Program Description

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Pedernales Electric Cooperative (PEC) offers rebate incentives to residential members for the following energy-efficient measures: replacement of heating, ventilation and air conditioning (HVAC) systems, HVAC Tune-Ups, and Solar Screen installation.

## Program Eligibility Criteria

### Program Overview

Participating in PEC's Residential Rebate Program is simple; requirements are outlined below

Step 1. Install new energy efficient equipment/measure

Step 2. Register online as a 'User' (user guide and video available online)

Step 3. Submit rebate application and required supporting documentation

Step 4. Members may choose to have their contractor submit their application by providing a completed [Member Authorization Form](#) (available online)

### Heating, Ventilation, and Air-Conditioning (HVAC) systems

#### Installation requirements

1. Installation must be performed by a licensed HVAC contractor with a valid Texas Air Conditioning License.
2. For each HVAC system replacement, the indoor and outdoor units must be replaced on the same date.
3. The combination of indoor and outdoor units must have a valid AHRI reference number, which can be provided by your HVAC contractor.
4. The new HVAC system's AHRI rated efficiency values must satisfy the following:
  - SEER greater than or equal to 16.0
  - EER greater than or equal to 12.5
  - HSPF greater than or equal to 8.5 (heat pumps only)
5. The new HVAC system's capacity must not exceed 65,000 BTU/hour (5.4 tons).

6. The new HVAC system(s) must be properly sized to the dwelling, according to ASHRAE or ACCA Manual J standards.
7. Rebate up to \$200 per unit, (maximum \$800 payout) per program year, per site.
  - Incentives are in the form of a bill credit after all requirements are met and application approved
  - Dual-fuel Heat Pumps are paid at \$200 per unit, (maximum \$800 payout) per program year, per site
  - Mini-splits are paid at \$200 per unit, (maximum \$800 payout) per program year, per site
  - A/C with electric furnace units are not applicable

**Additional HVAC requirements**

1. Ground Source Heat Pumps (GSHP) must meet the following energy efficiency levels based on unit type for EER, COP, and BTU/h per ENERGY STAR requirements:
  - Maximum Rated Heating/Cooling Capacity-BTU/h is 65,000
    - Closed Loop Water-to-Air
      - Cooling Mode (Min. EER): 17.1
      - Heating Mode (Min. COP): 3.6
    - Open Loop Water-to-Air
      - Min. EER: 21.1
      - Min. COP: 4.1
    - Closed Loop Water-to-Water
      - Min. EER: 16.1
      - Min. COP: 3.1
    - Open Loop Water-to-Water
      - Min. EER: 20.1
      - Min. COP: 3.5
    - Direct Geexchange (DGX)
      - Min. EER: 16.0
      - Min. COP: 3.6
  - Rebate up to \$200 per ton, (maximum \$800 payout) per program year, per site.

**Ground Source Heat Pump ENERGY STAR Tier 3 Requirements**

Product Type	Cooling Mode (EER)	Heating Mode (COP)
Closed Loop Water-to-Air	17.1	3.6
Open Loop Water-to-Air	21.1	4.1
Closed Loop Water-to-Water	16.1	3.1
Open Loop Water-to-Water	20.1	3.5
Direct Geexchange (DGX)	16.0	3.6

### **A/C Tune-ups Requirements**

1. Servicing must be done by licensed contractor with a valid Texas Air Conditioning License.
2. An itemized receipt for all required work performed, including system type and heating and cooling capacity, signed by the licensed contractor.
3. A completed [contractor checklist](#) for required services must be signed by the licensed contractor.
4. Required servicing must include:
  - Refrigerant charge check
  - Inspection of both inside and outside units for proper operation
  - Clean out side coil and inspect inside coil for cleanliness
  - Check thermostat calibration
5. Rebate up to \$100 per unit, up to 3 units; (maximum \$300 payout) per program year, not to exceed paid amount on required itemized receipt.
  - Incentives are in the form of a bill credit after all requirements are met and the application approved

### **Solar screen rebate requirements**

1. Must be installed on west and southern exposures (southeast, south, southwest, west, northwest). No north or eastern exposure installations will be accepted.
2. A minimum of at least a 65% Solar Heat Gain Coefficient.
3. An itemized invoice stating number of screens and size of each screen.
4. Rebate up to \$100 per program year. (\$7.50 per 3'X5 window or 15 sq. ft. of installed screen, or .50 cents a square foot).
  - Incentives are in the form of a bill credit after all requirements are met and the application approved

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