

ENERGY CONSERVATION LOAN PROPOSAL REQUIREMENTS & CONTRACTOR INFORMATION

Clay Electric Cooperative, Inc.

LOAN AMOUNT - Minimum \$1,000; Maximum-\$10,000.

APPROVED MEASURES - The following measures may be approved by Clay Electric Cooperative (CEC) for energy efficiency loans.

<i>Heat Pump</i>	<i>Ceiling Insulation</i>	<u><i>Major Appliances (Minimum Efficiency)</i></u>
<i>Central Air Conditioner</i>	<i>Floor Insulation</i>	<i>* Refrigerators</i>
<i>Window Heat Pump</i>	<i>Wall Insulation</i>	<i>* Freezers</i>
<i>Window Air Conditioner</i>	<i>Thermal Windows</i>	<i>Electric or Solar Water Heaters (that reduce electric consumption)</i>
<i>Duct Diagnosis & Repair</i>	<i>Storm Windows</i>	<i>Dedicated Heat Pump Water Heaters</i>
<i>Duct Insulation</i>	<i>Storm Doors</i>	<i>Heat Recovery Units (HRU)</i>
<i>Electronic/Programmable Thermostats</i>	<i>Thermal Doors</i>	<i>Solar Pool Heater</i>
<i>High Reflectance Metal Roofing</i>	<i>Spray Foam Insulation</i>	
<i>Window Film</i>	<i>Generators</i>	

** Must meet current Department of Energy (DOE) minimum efficiency requirements*

ACTIVE SERVICE REQUIREMENT - Loans to be granted require 12 months continuous active service from application date.

ENERGY SURVEY REQUIREMENT - Loans to be granted require an energy survey performed by a CEC representative within the past year.

REQUIREMENTS FOR LOANS FOR HVAC - Each application for an HVAC system requires a written proposal signed by a licensed contractor with the following information included with the proposal:

- (a) A load calculation for the purpose of equipment sizing will be required and conducted by contractor. A copy of load calculation must be submitted with written proposal.
- (b) Brand name and all model numbers of indoor and outdoor units to be installed.
- (c) Seasonal Energy Efficiency Ratio (SEER) and Heating System Performance Factor (HSPF) efficiency ratings as listed in the latest American Refrigeration Institute (ARI) manual. Clay Electric's minimum efficiency requirements are those set forth by the Florida Energy Code.
- (d) A metal grandstand, insulated platform box or wall hanging assembly is required for split system air handler installations.
- (e) All air handlers will be installed to meet current Florida Energy codes.
- (f) Duct system will be inspected for leaks by contractor and proposed repair/replacement costs itemized separately.
- (g) The duct system, when modified, shall meet current Florida Energy Code.
- (h) HVAC retrofit in conventional-built homes with less than R-19 attic insulation will be required to have the insulation level increased to meet the current energy code minimum. Clay Electric recommends R-30.
- (i) Open free air area of return grill(s) coupled with return ductwork shall be properly sized to meet manufacturing specifications for unit being installed.

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REQUIREMENTS FOR LOANS FOR HIGH REFLECTANCE METAL ROOFING - Each application for high reflectance metal roofing requires the following information included with the proposal:

- (a) A reroofing permit whereby the county inspects upon completion of said work.
- (b) The metal roofing shall be installed only by a Registered Licensed roofing contractor or State Certified Roofing Contractor.
- (c) Installation shall meet current Florida Building Code criteria.

REQUIREMENTS FOR LOANS FOR GENERATORS -

• **Standby Generators** have the following requirements:

- (a) All permitting as required by the county must be inspected upon completion of work.
- (b) A transfer switch must be installed by a licensed electrician.
- (c) Installation shall meet current Florida Building Code criteria.

• **Portable Generators and PTO Tractor-Driven Generators** have the following requirements:

- (a) A Generlink meter-based transfer switch must be purchased and installed by Clay Electric personnel as part of the portable generator loan.
- (b) The portable generator must be on-site for inspection, along with a receipt of purchase.

Note: Members are responsible for the sizing of their generators.

If you have any questions, please contact the Energy Services Division at (352) 473-8000, Ext. 8263, or at energyservices@clayelectric.com.