

ENERGY CONSERVATION LOAN PROPOSAL REQUIREMENTS & CONTRACTOR INFORMATION

Clay Electric Cooperative, Inc.

LOAN AMOUNT - Minimum \$1,000; Maximum-\$5,000; \$7,500 for metal roofs.

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

Heat Pump

Central Air Conditioner

Window Heat Pump

Window Air Conditioner

Duct Diagnosis & Repair

Duct Insulation

Electronic/Programmable Thermostats

High Reflectance Metal Roofing

Ceiling Insulation

Floor Insulation

Wall Insulation

Thermal Windows

Storm Windows

Storm Doors

Thermal Doors

Major Appliances (Minimum Efficiency)

** Refrigerators*

** Freezers*

Electric or Solar Water Heaters (that reduce electric consumption)

Dedicated Heat Pump Water Heaters

Heat Recovery Units (HRU)

Solar Pool Heater

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

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

CONTRACTOR PROPOSAL REQUIREMENTS - 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 as of 1/01/06 are those set forth by the Florida Energy Code.
- (d) "Voltage Reduction Kits" for all scroll compressors rated three (3) tons and larger. This kit is required if initial startup load is greater than the name plate ratings.
- (e) A metal grandstand, insulated platform box or wall hanging assembly is required for split system air handler installations.
- (f) All air handlers will be installed to meet current Florida Energy codes.
- (g) Duct system will be inspected for leaks by contractor and proposed repair/replacement costs itemized separately.
- (h) The duct system, when modified, shall meet current Florida Energy Code.
- (i) 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.
- (j) 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.

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