

# Utah WAP Cooling Equipment Policy

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## **A. General**

1. There are 4 instances where an Agency may consider new installation, replacement, or repair of cooling equipment:
  - a. Crisis – A “target” HEAT qualified client:
    - i. Contacts the agency for crisis services on their cooling equipment.
    - ii. Has operable cooling equipment that will no longer function with the heating equipment installed by the agency under a HEAT crisis.

Target = Elderly, Disabled, Pre-School age children

- b. Weatherization Installation – A Weatherization qualified client has operable cooling equipment that:
        - i. Audits for replacement with an SIR of 1 or greater
        - ii. No longer will function with the heating equipment installed under the provisions of B8. 1. b. HVAC Systems.
2. The primary use of LIHEAP Crisis funds are for the heating season. There are situations where a Cooling Crisis may arise. Caution should be exercised in expending LIHEAP Crisis funds to ensure availability of services during the No Heat season.
3. Verification of the existing cooling equipment being operable within 12 months of the work start date shall be placed in the client file.
  - a. When the operation cannot be physically verified use of the previous year’s billing history will be acceptable.
  - b. When verification of the existing system’s operation is not possible work shall be considered as “New Installation” and follow all applicable rules.
4. Repairs
  - a. Diagnoses and evaluation of existing systems prior to taking any action is a best practice that can help the agency avoid unnecessary expenses.
  - b. Attempts should be made to repair any existing system when feasible. When diagnosing and evaluating the system technicians need to be aware of the Repair Cost Limits: (materials only)

- Repair cost % should be calculated against a new 13/14 SEER single stage.
  - i. 1-5 year old central AC systems up to 40% of the replacement cost.
  - ii. 6-10 year old central AC system up to 25% of the replacement cost.
  - iii. 11 + year old central AC system \$400 maximum.
  - iv. Evaporative Cooler \$250 maximum.
- c. When repairs are anticipated to exceed the Repair Costs Limits above replacement may be considered.

## **B. Crisis Funds**

### **1. New Systems:**

- a. A new system can only be installed with the client's attending physician endorsement. The signed Physician's Note shall contain the following information:

- i. Be on official letterhead
- ii. Doctor's name & contact information
- iii. Patient name & information that corresponds to the application.
- iv. The following statement:

This person is a patient under my direct care who has a diagnosed medical condition. The patient's medical condition will worsen and could result in harm or death.

- b. Income Property

- i. A new system cannot be installed in Income Property.

### **2. Replacement Systems:**

- a. A replacement system can only be installed with the client's attending physician endorsement. The Physician's Note shall contain the following information:

- i. Be on official letterhead
- ii. Doctor's name & contact information
- iii. Patient name & information that corresponds to the application.

- iv. The following statement:

This person is a patient under my direct care who has a diagnosed medical condition. The patient's medical condition will worsen and could result in harm or death.

- b. Income Property

- i. A replacement system may be installed in Income Property.
- ii. Owner Participation rules (C5. 3.) apply to all equipment.

**3. Repair of Systems:**

- a. Repairs of existing systems may be done on any “target” HEAT qualified client.
- b. Owner Participation rules do not apply.

**C. Weatherization (DOE Funds)**

**1. New Systems**

- a. New systems cannot be installed using weatherization funds since there is no existing system.

**2. Replacement Systems:**

- a. Replacement is limited to the provisions in A. 1. b. (above)
- b. Replacement should be treated as an Incidental Repair as covered in E1. 2. Incidental Repairs in the guidelines. If the cost cannot not be included in the SIR of the furnace the entire system needs to be charged to LIHEAP.

**3. Repair of Systems:**

- a. Repairs are not approved as part of weatherization.
- b. A clean & tune can be done using DOE funds when audited and achieving an SIR of 1 or greater.

**D. Central AC Systems**

**1. Work Standards**

- a. Systems shall be sized using ASHRAE Manual J edition 8 or approved equivalent load calculation tool. A copy shall be placed in the client file.
- b. Work on central AC systems should be documented on Attachment #22 and placed in the client file.

- c. General weatherization activities such as: duct sealing, duct insulation etc. should be conducted.
- d. Refrigerants shall be handled in accordance with Clean Air Act Section (CAA) 608.
- e. Technicians handling refrigerants will hold the appropriate CAA Section 608 certification. (Type I, Type II, or Universal)
- f. When installation of a new central AC system is technically infeasible or cost prohibitive window unit or room AC may be considered.

## **E. Window Units or Room AC**

- 1. Work Standards
  - a. Service work is limited to:
    - i. Proper mounting
    - ii. Cleaning & adjusting coils or fins
    - iii. Cleaning fan
    - iv. Maintaining safe power connections
    - v. Other low-cost/no-cost repairs or adjustments
  - b. New units must be “Energy Star” rated.
  - c. Existing units shall be removed from job site and refrigerant recovered per CAA Section 608.

## **F. Evaporative Cooler**

- 1. Work Standards
  - a. Cooler lid or insulation pillows must be installed
    - i. During the cooling season install to verify fit and
    - ii. Educate client on usage and
    - iii. Remove and store
  - b. Duct work should be weatherized accordingly (sealed, insulated, etc)
  - c. Evaporative Coolers on the roofs of mobile homes.

To try and minimize the complications of these types of installations the following rules will apply:

- i. The replacement cooler shall not be placed in the same location.
- ii. The only approved installation will be a through window wall mounted cooler.
- iii. Water shall be terminated from the existing system so it cannot freeze and burst.

Note: The existing cooler shall not be removed; agency shall install a cooler lid on the inside of the home only.