

# High-Efficiency Room Air Conditioner Program

## Get A \$50 Rebate!

You can receive a \$50 rebate when you purchase an ENERGY STAR® qualified room air conditioner with an efficiency rating that exceeds the 2000 Federal Appliance Standard by 10%. SMUD's mail-in rebate form is available at most retail stores.

## Stay Cool With A Room Air Conditioner!

A properly sized room air conditioner can help you feel more comfortable during the hot summer months. However, before you start shopping, first determine if a room air conditioner will best fit your needs. Unlike central air conditioners which are designed to cool an entire house, a room air conditioner will cool a specific area.

## Making The Right Choice

Contrary to popular belief, an oversized room air conditioner will not keep you cooler than a smaller properly sized unit. A room air conditioner that is too large is less effective and will cost you more to operate than using a properly sized unit. Air conditioners remove the heat and humidity from the air. Oversized units tend to cool the space faster, and often shut off without reducing the humidity, leaving the space damp and clammy. Since smaller properly sized units operate longer to maintain a given temperature, they are more effective at dehumidifying than a large oversized unit.

The area of the space to be cooled will determine the size room air conditioner you should purchase. The following chart can help you determine the appropriate sized room air conditioner to use:

Area To Be Cooled (sq. ft.)	Capacity (Btu/Hour)
100 to 150	5,000
150 to 250	6,000
250 to 300	7,000
300 to 350	8,000
350 to 400	9,000
400 to 450	10,000
450 to 550	12,000
550 to 700	14,000
700 to 1000	18,000

Other factors to consider when selecting a room air conditioner:

- If the room is very heavily shaded, reduce capacity by 10%.
- If the room is very sunny, increase capacity by 10%.
- If the unit is for a kitchen, increase capacity by 4,000 Btu/Hour.
- If the room is regularly occupied by more than two people, add 600 Btu/Hour for each additional person.
- Consider where the unit is installed. If the unit must be mounted in the corner of a room, look for a unit that can send the airflow in the appropriate direction.

## Efficiency Rating

Room air conditioner efficiency is measured by the energy efficiency ratio (EER). The EER is the ratio of the cooling capacity (in British thermal units {Btu} per hour) to the power input in watts. The higher the EER rating, the more efficient the room air conditioner.



## Look for the ENERGY STAR®!

The ENERGY STAR® label helps consumers identify room air conditioners and other products that save money and energy, and help the environment by using less natural resources. The ENERGY STAR® label is awarded to products meeting efficiency levels established by the U.S. Environmental Protection Agency and the U.S. Department of Energy.

## Rebate Eligibility Requirements.

1. Room air conditioners must be purchased between January 1 and December 31, 2009. Rebate is subject to the availability of funding.
2. Room air conditioner must be ENERGY STAR® qualified with an EER rating that exceeds the 2000 Federal Appliance Standard by 10%.
3. Room air conditioner(s) must be purchased for primary use in a residence or business receiving SMUD electric service.
4. Purchased room air conditioner(s) must be new/undamaged and for personal use only, NOT FOR RESALE, or relocation outside of SMUD's service area.
5. Rebate application must be received in SMUD's office within 60 days from the date of purchase or the customer may forfeit all incentive allowances. Failure to provide forms and other documentation may result in the customer's ineligibility for SMUD's Room Air Conditioner Program, including but not limited to all rebates and incentives.

## Participation Information

- Before shopping, we recommend obtaining a current SMUD Room Air Conditioner Eligibility list and a Rebate Application to help you make your purchase. The list of eligible room air conditioners identifies the make, model number, Btu/hour size, EER rating, efficiency level and rebate amount. To obtain current program information, eligibility list and rebate form, visit SMUD's website [www.smud.org](http://www.smud.org) or call 1-888-742-SMUD (7683).

**NOTE:** Most local retail stores will have lists & rebate forms available.

- Customer can purchase up to two room air conditioners and receive a rebate for each unit, per address, each program year. Rebates are available January 1 through December 31, 2009. Rebates are subject to change and/or discontinue due to available funding.
- SMUD reserves the right to inspect installation premises or request additional information/documentation prior to rebate payment.

*For more information on this or other Residential Efficiency Programs, call SMUD at 1-888-742-SMUD (7683) or visit [www.smud.org](http://www.smud.org).*

