

# SMUD Air Conditioner and Heat Pump Program (Contractor Summary)

## Contractor Is Required To:

- Pull and make every effort to promptly final building permits
- Comply with all of the provisions of Title 24 energy codes and building codes
- Submit the following forms:
  - ❖ Appropriate CF6R-MECH or CF4R-MECH forms which apply
  - ❖ Building Permit
  - ❖ Signed & Dated Contract
  - ❖ Rebate Application

## Rebates and Financing for Installation of Air Conditioners and Heat Pumps

The contractor must complete and sign the appropriate Title-24 CF6R forms for all SMUD rebate or financed jobs.

- **System Type** - Complete form CF6R-MECH-04
- **Air Flow and Fan Watt Draw** - Complete form CF6R-MECH-22-HERS
- **Tight Ducts** - Are addressed by one of the following methods:
  - New or Replacement Ducts - Complete form CF6R-MECH-20-HERS
  - Existing Ducts - Complete form CF6R-MECH-21-HERS
- **Refrigerant Charge** - Are addressed by **one** of the following methods:
  - Refrigerant Charge (standard method) - Complete form CF6R-MECH-25-HERS
  - Refrigerant Charge (alternative method) - Complete form CF6R-MECH-26-HERS
  - Refrigerant Charge (charge indicator display) - Complete form CF6R-MECH-24-HERS

Right Sizing - Engineered load calculations to verify correct-sized air conditioners.

HERS Rating Verification - A third party Home Energy Rating System (HERS) Rater must certify compliance and complete form CF4R prior to the final inspection by the building department.

**Where To Find A HERS Rater :** <http://www.cheers.org> or <http://www.calCERTS.com>

- **Individual:** The contractor may choose to use a HERS rater on every installation. Also, a customer may select, at his or her expense, to hire a HERS rater to verify compliance with the California Energy Codes.
- **Sampling:** The installation may be part of a group of 1 in 7 or 1 in 30 contractor installations that are HERS inspected depending if it is a “closed” group or a “third party quality control” group.

## Aeroseal Duct Sealing Program Will Continue As A Stand-Alone Program

- Contractor must be listed as an Aeroseal contractor on SMUD’s Participating Contractors List
- Requires ducts have greater than 12% leakage to start the sealing and less than 8% upon completion of sealing.
- May **not** be combined with new installations or change outs.
- If entirely new ducting is installed, the contractor must pull and make every effort to final the building permit as required by Title 24 and verify sealing with Aeroseal equipment ( $\leq 6\%$  leakage upon completion of the seal for new ducting).

Tier	SEER		EER		HSPF		Title 24 Required for all tiers	Rebates A/C and H/P
	Split	Package	Split	Package	Split	Package		
1	14.5	14.0	12.0	11.0	8.5	8.0	<ul style="list-style-type: none"> <li>• Refrigerant Charge</li> <li>• Duct Sealing</li> <li>• Fan Watt</li> <li>• Air Flow</li> </ul>	\$400
2	15.0	14.0	12.5	12.0	8.5	8.0		\$500
3*	16.0	-	13.0	-	-	-		\$650
4**	-	-	14.5	-	-	-		\$1100

\* Split system central A/C only. Heat Pumps not eligible for Tier 3.

\*\* Evaporatively cooled condensing units only. 5 gallon/ton-hour maximum water use.



**SMUD**

SACRAMENTO MUNICIPAL UTILITY DISTRICT  
6201 S Street, P.O. Box 15830, Sacramento, CA 95852-1830

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