

Ineligible Measures

Measures that do not qualify for program incentives at this time. SMUD reserves the right to add or delete measures as needed.

- Power correction or power conditioning equipment
- Duty cyclers
- T8 and T5 fluorescent lighting retrofits where the proposed equipment does not meet the CRI and Lamp Life requirements
- Compact fluorescent lamps (CFL) not equipped with electronic ballasts.
- Screw-In CFLs
- Incandescent to incandescent retrofits (including halogen incandescent)
- Measures that are installed before the project is approved
- Technologies that fail to meet or exceed federal and state minimum standards
- Technologies not approved by SMUD
- Technologies where there is no significant replacement/installation of equipment or modification to existing equipment
- Measures that are not permanently installed and can be easily removed, such as:
 - * Refrigerant Additives
 - * High performance hydraulic fluid
- Measures that save energy because of operational changes
- Cool roof systems
- Fuel-switching measures
- Self-generation or cogeneration projects
- Repair or maintenance of existing equipment
- Re-commissioning activities
- Pre-owned equipment

For information or eligibility call your Account Representative or SMUD Commercial Services **1-877-622-7683**. For complete equipment qualifications visit smud.org/business

Save Today. Save Tomorrow.

As your customer-owned electric service we can help you save money on your bill, help the community and protect the environment.

The reduction of unnecessary energy consumption results in multiple benefits to SMUD customers:

- delays the need for building additional power plants;
- helps minimize the summer peak demand for high-priced power;
- helps reduce carbon emissions; and
- continues delivery of reliable electric service at low prices.

SMUD services and products include: Energy Efficiency Incentives and Financing • Energy Audits • Equipment Calibration • Energy Tracking Services • Greenergy® • Savings by Design • Solar Incentives • Demand Bid Programs • Voluntary Emergency Curtailment Program (VECP) • Seminars and Workshops

SMUD Energy Specialists are available now to assist you in these and other energy service areas. For more information, or to schedule an appointment, call SMUD at 1-877-622-SMUD (7683), or fax (916) 732-5229, or email commercial@smud.org

SMUD Commercial Services

1-877-622-SMUD (7683)

www.smud.org

or

www.smud.org/espanol

For Your Business. For the Environment.

ENERGY EFFICIENCY INCENTIVES



PARTNERING with businesses to control energy bills and use energy more efficiently is one of our priorities at SMUD. As your customer-owned electric service, we offer a variety of incentives through different channels to help you install energy efficient technology to save you money, save energy and support a cleaner environment. Review the qualifications inside and apply for the incentive that fits your project. SMUD also provides financing for qualified projects.

If you have questions, call your Account Representative for assistance or call **1-877-622-SMUD (7683)**. For information about other programs and services for your business visit smud.org.

Rebate options from SMUD:

- Customized Incentives
- Prescriptive Incentives
- Distributor Incentives
- Express Incentive



Customized Incentives

Air Conditioning and Refrigeration Level I

\$0.08/kWh and \$200/kW, Up to 30% of project cost or \$150,000, whichever is less

Air conditioning and refrigeration (AC&R) related measures that qualify for the AC&R Level I incentive are retrofits that improve the efficiency of the A/C or refrigeration system (i.e. kW/Ton improvements). Evaporative cooler and evaporative condenser retrofits are also classified under the AC&R Level I incentive rate category.

The demand (kW) reduction incentive will be paid only for projects that reduce electrical demand for at least one hour daily between 4 and 7 p.m., summer weekdays. Incentives paid for peak demand reduction will be pro-rated for projects that do not reduce electrical demand for the entire 4-7 p.m. time period.

Illustrative (not a comprehensive) list of qualifying efficiency measures

- High-efficiency chiller replacements that meet and exceed Title 24 baseline requirements
- Packaged air conditioners and heat pumps (>=240,000 Btu/hr or 20 tons) that meet and exceed Title 24 baseline requirements
- Variable Speed Drive installations on existing air conditioning or refrigeration compressor motors.
- Air conditioning complete subsystem replacements (evaporative condensers, air-cooled condensers, cooling towers, or compressors)
- Refrigeration complete subsystem replacements (condensers, evaporators, cooling towers, or compressors)
- Constant air volume to variable air volume conversions that produces both kW and kWh savings
- Electric Chiller heat reclaim
- Evaporative cooling unit installations*
- Evaporative pre-cooling unit installations*
- Indirect evaporative cooling (single stage and dual stage)*
- Heat transfer (including heat pumps) to heat sinks, such as ground source cooling in air-conditioned buildings
- Refrigeration floating head controller installations
- Other measures not listed will require SMUD approval prior to installation

* These systems will be reviewed on a case by case basis for approval.

Air Conditioning and Refrigeration Level II

\$0.08/kWh, Up to 30% of project cost or \$150,000 whichever is less

AC&R measures that involve reduced operation or reduced load such as controls, or component retrofits (e.g., motors, pumps, components, Variable Speed Drives or fans) are classified under the AC&R Level II incentive rate category.

Illustrative (not a comprehensive) list of qualifying efficiency measures

- Controls and energy management systems for HVAC or refrigeration equipment*
- Variable speed drives on fans (including supply fans, exhaust fans, and cooling tower fans)
- Variable speed drives on pump motors (including chilled water and cooling tower pumps)
- Refrigeration evaporator fan controls
- Demand control ventilation installation (CO2 sensors)
- Installation of high-speed cold storage doors
- Air Conditioner air-side or water-side economizer installations on units not already equipped with a 100% economizer
- Cooling tower upgrades
- Other measures not listed will require SMUD approval prior to installation

* These systems will be reviewed on a case by case basis for approval.

Motors and Process Improvement Equipment

\$0.08/kWh and \$100/kW, Up to 30% of project cost or \$150,000, whichever is less

The demand (kW) reduction incentive will be paid only for projects that reduce electrical demand for at least one hour daily between 4 and 7 p.m., summer weekdays. Incentives paid for peak demand reduction will be pro-rated for projects that do not reduce electrical demand for the entire 4-7 p.m. time period.

Illustrative (not a comprehensive) list of qualifying efficiency measures

- Motor upgrades (>200 HP)
- Variable-speed drives (e.g., on industrial fans, industrial pumps, and on air compressor motors)
- Industrial process applications
- Industrial fan replacements
- Industrial pump replacements
- Trimming impellers on industrial fans and pumps
- Water flow controls resulting in electric savings
- Exhaust hood and fan projects
- Dairy Vacuum Pumps/ Variable-speed drives
- Pulse cooling devices for injection molding machines
- Injection molding machines
- Professional wet cleaning equipment
- Data Center Cooling Improvement*
- Other measures not listed will require SMUD approval prior to installation

* These systems will be reviewed on a case by case basis for approval.

Customized Incentives

Lighting & Controls

Title 24 Interior Lighting

\$0.06/kWh, Up to 30% of project cost or \$150,000 whichever is less

The higher incentive is designed for interior lighting covered by Title 24. The installed lighting load must exceed Title 24 requirements by 10 percent to qualify for an incentive of \$.06 per kilowatt-hour. If the existing lighting does not meet current Title 24 requirements, the incentive will be calculated using Title 24 State Energy Code allowances as the baseline. If the existing lighting system already exceeds Title 24 requirements, the existing lighting density will be used as the baseline.

Non Title 24 and Exterior Lighting

\$0.04 / kWh, Up to 30% of project cost or \$100,000 whichever is less

Exterior lighting and lighting not covered by Title 24 will be incented at \$.04 per kilowatt-hour. For this incentive, the existing wattage/sq. foot will be used as the baseline

Illustrative (not a comprehensive) list of qualifying efficiency measures

- Interior and exterior lighting retrofits (excluding screw-in compact fluorescent lamps)
- Other lighting such as HID, T-5, and SMUD approved LED lamps and fixtures.
- Lighting control systems
- LED traffic lights
- Day lighting systems and dimmable ballast
- De-lamping measures performed as part of an integral lighting efficiency upgrade
- Other measures not listed will require SMUD approval prior to installation

Eligible Fluorescent Lamp Characteristics Table

Lamp Type & Size	Electronic Ballast Type	CRI	Minimum Rated Lamp Life (3hrs/start)
T8 – 2-ft, 3-ft, 4-ft	Programmed Start/Programmed Programmed Rapid-start	>= 80	24,000 hours
T8 – All Sizes	Instant Start	>= 80	18,000 hours
T-5 – All Sizes	Programmed Start/Programmed Programmed Rapid-start	>= 82	20,000 hours

Prescriptive Lighting Incentives

- Available for smallest commercial customers up to a total load of 300 kilowatts (kW) peak demand.¹
- Maximum incentive: \$20,000/customer location.
- Exterior off-peak lighting is not eligible.¹
- Lighting projects must be submitted to SMUD for pre-approval prior to start of project.
- Incentives are based on a limited annual budget and are available on a first-come, first-serve basis.
- Financing is available for qualified applications.

Distributor Incentives

Heating, Ventilation, Air Conditioning (HVAC), and Controls

* SMUD pays energy efficiency incentives directly to manufacturers and distributors to encourage warehouse stocking and marketing of qualifying energy efficient packaged and split system HVAC units (up to but not including 240,000 BTU rating). This incentive strategy is designed to make high efficiency HVAC equipment more available and cost effective for SMUD customers.

Motors

* SMUD pays energy efficiency incentives directly to manufacturers and distributors to encourage warehouse stocking and marketing of qualifying energy efficient motors (up to 200 horsepower). This incentive strategy is designed to make high efficiency motors more available and cost effective for SMUD customers.

Express Incentives

Qualified energy efficiency measures are eligible for SMUD incentives on a per unit basis (not based on an energy calculation). You simply submit an application to SMUD listing the number of measures installed. For a list of qualifying express incentives and an application, visit smud.org/business.

¹SMUD's peak period is 4:00 p.m. – 7:00 p.m., June-September.