

CALIFORNIA BUSINESSES: MEETING THE ENERGY CHALLENGE

GENERAL HELP NUMBERS FOR BUSINESS:

For all Energy Efficiency Rebate Programs: California Energy Commission: 1-800-232-4685 or 1-800-555-7794

Business Energy Help-line (M-F 8-5) (916) 445-9699

ENERGY EFFICIENCY AND CONSERVATION PROGRAMS

- **20/20 Energy Rebate:** Residential, commercial, and industrial customers are eligible for this voluntary program which will provide rebates to customers who reduce their summer 2001 electricity usage. Customers will receive a 20% rebate on their summer electric bill if they cut back their electricity use by 20% over last summer's level. (Direct access customers are not eligible.)

SCE website and 800 number

http://www.sce.com/002_save_energy/index.shtml: 1-800-736-4777

PG&E website and 800 number

http://www.pge-com/003_save_energy/003b_bus/index.shtml: 1-800-468-4743

SDG&E website and 800 number

<http://WWW.sdqe.com/efficiency/index.html>: 1-800-411-SDGE

- **Incentives for Efficient Lighting (also offered by Municipal Utilities):** Incentives are to encourage the purchase and use of "Energy Star" lighting fixtures, when applicable. The program also offers incentives and assistance with installation of lighting control technologies, such as dimming, timers, and occupancy sensors, which provide more peak demand reduction in commercial settings.

SCE website and 800 number

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PG&E website and 800 number

http://www.pge.com/003_save_energy/003b_bus/index.shtml: 1-800-468-4743

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- **Low-energy usage building materials:** California's commercial buildings account for 36% of the state's annual electricity use. During peak times, commercial buildings use 11% of the state's electricity for lighting and 15% for air conditioning. Funds will be used to identify and buy-down the cost of energy measures, such as 66 white roofs, 11 used to retrofit commercial buildings for energy efficiency.

Contact: Scott Matthews CEC [website and 800 number](#)

www.energy.ca.gov/peakload: 1-800-555-7794

- **Oil and Gas Pumping Efficiency Projects:** Incentives are provided for high-efficiency pump and motor retrofits for oil and gas producers and pipeline operations.

Contact: Julie Fitch (415) 703-2776

<http://www.cpuc.ca.gov/static/industry/electric/energy+efficiency/programdescriptions.htm>

RENEWABLE ENERGY:

- **Emerging Renewable Account:** Provides rebates for the purchase and installation of solar energy systems up to 10 kW (small business). Administered by the CEC.

Contact: Sandy Miller CEC [website and 800 number](#)

www.energy.ca.gov/peakload: 1-800-555-7794

- **Renewable Loan Guarantee Program:** Loan guarantees to purchase and install renewable energy systems, administered through the California Technology Trade and Commerce Agency.

Contact: Al Salazar (916) 323-8308

- **Solar Tax Credit:** The Governor has proposed a new solar credit for the purchase and installation of solar energy systems between 10 kW and 200 kW for the 2001 through 2003 tax years. The credit would equal 50 percent of the net cost of the system. This proposal is in SB 17X (Brulte).

Program has not yet been enacted legislatively.

Contact Technology Trade and Commerce Agency:

Business Energy Help-line (M-F 8-5) (916) 445-9699 or
Contact the Franchise Tax Board (800) 852-5711

- **Large Nonresidential Standard Performance Contract program:** This program helps businesses with monthly peak demands of 500 kW or more replace inefficient equipment of a variety of types (e.g., refrigeration, air conditioning, and ventilation).

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PG&E website and 800 number

http://www.pge.com/003_save_energy/003b_bus/index.shtml: 1-800-468-4743

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- **Small Business Standard Performance Contract program:** This program is the small-business counterpart of the large program described above. It is focused on small businesses (with peak demands under 500 kW per month) and also offers financial incentives for equipment replacement, after energy savings are verified.

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- **Express Efficiency Program:** This program offers prescribed rebates for specific energy efficiency measures to small businesses (peak demand under 500 kW). Rebates are available for lighting, air conditioning, refrigeration, food service, and agricultural efficiency measures. Rebates for specific equipment are paid up front and only require a simple application process.

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<http://www.sdge.com/efficiency/index.html>: 1-800-411-SDGE

- **Business Energy Guide**: This publication provides energy efficiency guidance for business

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DEMAND REDUCTION PROGRAMS FOR BUSINESS

INVESTOR-OWNED UTILITY (IOU) INTERRUPTIBLE PROGRAMS:

Voluntary Demand Response Program (VDRP): This is a voluntary bid-based program for the commercial sector that pays \$350 a megawatt hour to companies dropping loads either the day of or the day before load relief is needed. This program is open to customers who can curtail at least 15% of load, with a minimum load drop of 100kW.

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- **Optional Binding-Mandatory-Curtailment Program (OBMC)**: The program exempts participants from rotating black-outs if they can reduce the load on their entire circuit by the required amount (5 to 20%) for the entire duration of every rotation outage (outages are usually for one hour).

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- **New Base Interruptible Program (BIP):** This program limits interruptions to one 4-hour event per day, 10 events per month, and 120 hours per year and provides a \$7 per kW-month credit to participants. Alternatively, a \$6 per kW penalty will be imposed for consumption in excess of firm service load. This program is open to customers who can commit at least 15% of load, with a minimum of 100KW per event.

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INDEPENDENT SYSTEM OPERATOR (ISO) INTERRUPTIBLE PROGRAMS:

- **Demand Reduction Program (DRP):** This program will pay customers a monthly reservation payment of \$20,000/MW/month to be available on weekdays between 11:00 AM and 7:00 PM from June 1 through September 30 to curtail at ISO request, and will additionally receive \$500/MWh for curtailed demand. This program is open to customers with a minimum aggregated load bid of 1 MW. Total curtailment time is limited to 24hr/month.

Contact: Don Fuller or Susan Happ (916) 351-4445

<http://www2.caiso.com/clientsev/load/>

- **Discretionary Curtailment Program (DLCP):** This program is similar to the VDRP. It is a voluntary program that will pay customers a similar incentive to the VDRP to curtail load when called upon by the ISO. This program is open to customers with a minimum aggregated load of 1 MW.

Contact: Don Fuller or Susan Happ (916) 351-4445
<http://www2.caiso.com/clientsev/load/>

METERING AND OTHER DEMAND-RESPONSIVE SYSTEMS CALIFORNIA ***ENERGY COMMISSION (CEC) PROGRAMS:***

- **Time-of-Use Meters (CEC and IOUs):** Businesses with loads over 200 kW per month will receive meters that will enable them to better track and manage their energy use and participate in demand reduction programs.

Contact: Don Kazama CEC website and 800 number
www.energy.ca.gov/peakload; 1-800-555-7794

- **Demand Responsive Building Systems:** This program provides grants to businesses to reduce demand in commercial buildings. This technology reduces electricity demand during peak periods by automatically raising thermostats, dimming appropriate lighting and reducing the electricity use of other building systems.

Contact: Scott Matthews CEC website and 800 number
www.energy.ca.gov/peakload; 1-800-555-7794

- **Innovative Peak Load Reduction:** This program takes full advantage of the innovations of the private sector to generate innovative solutions to reduce peak demand. Grants will be awarded to businesses for efficiency projects including, but not limited to, lighting and cooling efficiency improvements, solar cooling, building energy management controls, electric generation from landfill gas, and solar systems.

Contact: Scott Matthews CEC website and- 800 number
www.energy.ca.gov/peakload; 1-800-555-7794

MORE ENERGY SAVING PROGRAMS AND TIPS:

- Inspectors from private firms called ESCOs (Energy Service Companies) can audit your building, identify how you can reduce energy costs, specify the equipment needed, finance the project, install the equipment and then guarantee that it will operate properly. Generally, the ESCO shares the

financial risk associated with the project and in return keeps some of the savings on your energy bill. Call your utility company for more details.

Technology Trade and Commerce Agency

- Business Best-practices web site: <http://commerce.ca.gov/energy>
- Business Energy Help-line (M-F 8-5) (916) 445-9699

GOVERNOR'S RATE PROPOSAL:

The Governor's proposal allocates the same percentage rate increase to residential and to commercial/industrial customers and makes changes only to businesses' current rate structures. Customers on time-of-use rates, as well as those who are not, would receive the same percentage increase. Time-of-use increases would be allocated only to the peak and mid-peak rates, in an effort to encourage more intensive conservation at times when it is most needed. The Governor also supports a direct assess option for business customers that are needed to back the state's power purchases.