

DEMAND RESPONSE PROGRAMS ANNUAL SUMMARY

2005 Results
May 2006



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Executive Summary

In response to the energy crisis experienced in California, the California Public Utilities Commission (Commission) directed the utilities to develop and implement various demand response programs (DRPs) to help alleviate potential problems on the state's electric system in times of increasing demand. The incremental costs associated with the demand response programs were to be tracked in an approved memorandum account, with review of the memorandum account balance in the Annual Earnings Assessment Proceeding (AEAP). In 2001, SDG&E established the Interruptible Load and Rotating Outage Programs memorandum Account (ILROPMA) to track its expenditures. D. 02-04-060 extended demand response programs to the conclusion of the rate design phase of each utility's next general rate case (GRC) and D. 02-07-025 made specific program duration modifications, funding adjustments and program design changes. In 2003, D.03-06-032 modified the Demand Bidding Program and created three new programs with a pricing trigger. In 2004, D.04-06-011 approved SDG&E's proposal to enter into a demand response reliability contracts with Comverge and to recover costs from the ILROPMA¹. This decision also approved SDG&E to continue contract negotiations with Celerity and to recover costs along the same mechanism for Comverge².

D.05-01-056 (as modified by D.05-02-030), and D.05-04-053 adopted SDG&E's portfolio of DR programs and associated budgets for 2005. That portfolio was designed to maximize the potential demand response from customers during periods of peak demand, and to achieve the targeted load reduction goals previously established by the Commission. SDG&E's portfolio consists of a mix of Day-Ahead (Pricing) and Day-Of (Reliability), all intended to provide a mix of programs and program options from which customers can choose to maximize participation and results. The following programs were approved by D.05-01-056:

1. Day-Ahead Notification Programs
 - California Demand Reserves partnership Program (CPA-DRP)
 - Commercial/Industrial 20/20 Program
2. Reliability Day-of Programs
 - Rolling Blackout Reduction Program
 - Base Interruptible Program (BIP)
 - AL-TOU-CP (existing reliability program)³
 - Residential Smart Thermostat
3. Technology Assistance and Incentives Programs
 - Technology Assistance Programs

¹ Ordering Paragraph 2.

² Ordering Paragraph 3.

³ This program is covered in SDG&E's Demand-side Management Programs Annual Summary, Program Years 1994-1997, May 2006.

- Technical Incentives Programs
4. Education, Awareness & Outreach Programs
 - Flex Your Power Now (FYPN)
 - Customer Education, Awareness & Outreach
 - Emerging Markets
 - Water District Partnership
 - Community Partnerships
 - Circuit Savers
 5. Other Programs
 - 20/20 Residential and Small Commercial Program

The following programs were approved by D.05-04-053:

1. Voluntary Critical Peak Pricing (Day Ahead Notification Program)
2. Critical Peak Pricing-Emergency (Day-Of Reliability Tariff)

The following programs are funded through SDG&E's Cost of Service:

1. Optional Binding Mandatory Curtailment (OBMC—Day-Of Reliability Tariff)
2. Scheduled Load Reduction Program (SLRP—Day-Of Reliability Tariff)

On June 9, 2004, the Commission issued D.04-06-011, which approved a number of SDG&E's third party proposals to address short-term and long-term grid reliability needs through demand reduction programs. The first program, referred to as the Summer A/C Saver, is a direct load control program that cycles selected small commercial and residential equipment. The Summer A/C Saver program is classified as a Reliability Day-of Program. The second program is directed at customers who have conventional load-reduction arrangements or who have existing diesel back-up systems to provide power during emergencies when utility electric service is interrupted, and who therefore have a latent capability of reducing their use of power on the grid when asked. This program is referred to as the Clean Generator Program and is also considered a Reliability Day-of Program.

SDG&E is not seeking cost recovery for operations and activities related to the implementation of its interruptible load/rotating outage programs in subsequent Annual Earnings Assessment Proceedings as noted in D.05-09-039. This is because D.04-12-015 authorizes SDG&E to "collect through rates and authorized ratemaking accounting, Test Year Base Margin (O&M) costs" for these programs.

The demand reduction results and expenditures incurred by these programs are contained in the Appendix. The results and financial information are covered under Table 1. Table 2 covers the summary of events called during 2005.

Day Ahead Notification Programs

Demand Bidding Program (DBP)

Description

The Demand Bidding Program (DBP) is a voluntary program whereby participating customers submit day-ahead bids to curtail load within demand bidding event time blocks. The customers bid the amount of megawatts that they can reduce on days that the utility requires demand reduction. The utilities call the program the day-ahead when forecasted market prices are \$0.15/kWh or greater. Participants are compensated only for the actual amount of reduction they provide, and they must reduce at least 10 percent of average monthly maximum demand per participating meter and can vary from hour to hour within a single event to receive compensation. If they bid, but do not perform, there is no penalty.

2005 Results

Key activities in 2005 included program design, contract and tariff development, marketing activities including direct customer contact and demand response program seminars, customer enrollment, systems and customer communications tests, and ongoing program management. SDG&E also worked with a third-party software vendor, EPO, to develop, test and implement bidding software. Through these efforts 61 customers (70 service accounts) representing 17.4 MW were enrolled in the summer of 2005. During the summer of 2005, SDG&E called 12 DBP events, resulting in an actual average hourly load reduction of 0.62 MW.

California Demand Reserves Partnership Program (CPA-DRP)

Description

The California Demand Reserves Partnership Program is voluntary program whereby participants commit to reduce their power consumption through a Demand Reserves Provider who it under contract with the CPA. An individual customer may contract directly with the CPA if they have a minimum of 5 MW of demand reduction capability. Non-residential customers who have an IDR meter and telecommunications are eligible to participate in CPA DRP. Customers may either be utility bundled or direct access.

2005 Results

Key activities in 2005 included marketing by direct customer contact, demand response program seminars, and a CPA DRP seminar for customers and Account Executives. SDG&E also worked closely with the CPA, aggregators, and APX, a third-party software vendor. Through these efforts 24 customers representing 4.2 MW were enrolled in the summer of 2005. During the summer of 2005, SDG&E called 5 CPA DRP events, resulting in an actual average hourly load reduction of 1.73 MW.

Commercial/Industrial Peak Day 20/20 Program (CI-2020)

Description

SDG&E introduced the CI-2020 program in 2005. The program is structured to provide qualifying customers with a 20% bill credit in exchange for an average 20% reduction in consumption over all event days. SDG&E triggers the program when the temperature is forecasted to be 84 degrees at Marine Corp Air Station (MCAS) at Miramar for the following day and the actual system load reaches or exceeds 3620 MW or as warranted by extreme conditions.

2005 Results

Key activities in 2005 included program design, marketing activities, customer enrollment, and ongoing program management. SDG&E had 591 customers (representing 1253 service accounts) enrolled in the CI-2020 program during 2005. This enrollment provides for a potential load reduction of 51.3 MW. During the summer of 2005, SDG&E called 4 CI-2020 events, resulting in an average actual load reduction of 10.36 MW.

Voluntary Critical Peak Pricing Program (CPP)

Description

The Voluntary Critical Peak Pricing Program (CPP) offers lower rates to customers on non-CPP event days year round in exchange for higher on-peak energy charges on CPP event days. Customers are notified on a day-ahead basis. CPP events are limited to 12 days per year during the May through September timeframe.

2005 Results

Key activities in 2005 included marketing by direct customer contact, demand response program seminars, and rate analysis support to SDG&E Account Executives. In 2005 there were 40 customers (representing 115 service accounts) enrolled in CPP representing 14.5 MW. During the summer of 2005, SDG&E called 5 CPP events, resulting in an actual average hourly load reduction of 5.32 MW.

Reliability Day-of Programs

Rolling Blackout Reduction Program (RBRP)

Description

The Rolling Blackout Reduction Program (RBRP) (also marketed as the Peak Generation Program) permits SDG&E to call on customer-owned emergency backup generators (BUGs) when firm load reductions are required by the CAISO. Customers receive an incentive payment of \$0.35 per kWh of load reduction. This program is funded both through D.05-01-056 with additional funding authorized through SDG&E's 2004 Cost of Service.

2005 Results

Key activities in 2005 included program redesign, contract and tariff development, marketing activities including direct customer contact and demand response program seminars, customer enrollment, site surveys, installation of generation output meters, systems and customer communications tests, and ongoing program management. At year-end there were 35 customers (representing 68 service accounts) with an estimated potential load reduction of 64.6 MW enrolled in the program.

Base Interruptible Program (BIP)

Description

The Base Interruptible Program (BIP) provides a monthly incentive payment to customers who commit to curtail at least 15 percent of load with a minimum of 100kW when requested for up to a 4-hour period per day. A \$6 per kWh penalty applies for failure to meet curtailment commitment.

2005 Results

Key activities in 2005 included program design, contract and tariff development, marketing activities including direct customer contact and demand response program seminars, and ongoing program management. One customer enrolled in the BIP program in 2005 representing a potential demand reduction of 0.2 MW.

Residential Smart Thermostat Program

Description

SDG&E currently has a program intended to measure residential customer satisfaction with Smart Thermostats. Smart Thermostats enable the utility to remotely raise the temperature set points on the thermostat when the utility needs load reductions. Participants on the program may 'override' the utilities' re-setting of the thermostat, and forfeit \$5 per override of the incentive payment they would otherwise receive. Customers can have multiple smart thermostats per central a/c if the customer has different zone settings for their home.

2005 Results

Key activities in 2005 included marketing activities, customer enrollment, and ongoing program management. Through these efforts, 3,728 thermostats were installed in 3630 customer homes representing a potential load reduction of 1.5 MW. SDG&E called 12 Smart Thermostat events in which on average 92 percent of program participants received the remote signal to raise thermostat temperature.

Critical Peak Pricing – Emergency Program (CPP-E)

Description

The Critical Peak Pricing Program – Emergency Program (CPP-E) offers lower rates to customers on non-CPP-E event days year round in exchange for higher energy charges during CPP-E event days. Customers are given 30-minute notice on the day that load reduction is needed. CPP-E events can be called year round, limited to 80 hours per year.

2005 Results

Key activities in 2005 included marketing by direct customer contact, demand response program seminars, and SDG&E Account Executives. In 2005 there were 8 customers (representing 11 service accounts) enrolled in CPP-E representing 5.6 MW. During the summer of 2005, there were no CPP-E events.

Optional Binding Mandatory Curtailment Program (OBMC)

Description

The Optional Binding Mandatory Curtailment Program (OBMC) exempts enrolled customers' circuits from rotating outages in return for a commitment to reduce circuit load by 15% from the previous year baseline, and by at least 10% from the 10-day baseline. Customers incur a penalty of \$6 per kWh for failure to achieve committed load curtailment.

2005 Results

Feedback from customers has indicated that the potential for significant monetary penalties for failure to meet committed curtailment pledges (\$6.00 per kWh during each hour of the rotating outage) has an impact on participating in the program. SDG&E ended the year with no customers enrolled on the program.

Scheduled Load Reduction Program (SLRP)

Description

The SLRP is a state legislated program that provides for an incentive of \$0.10 per kWh to customers who commit to scheduled load reductions in four-hour blocks on selected weekdays during the period of June 1 - September 30.

2005 Results

There were no major accomplishments in 2005. At year-end the SLRP program had no participating customers.

Summer A/C Saver Program

Description

The program, the Summer A/C Saver Program, is targeted toward residential and small commercial customers with demands less than 100kW. This program utilizes direct load control during summer months to manage customer end use equipment specifically central air conditioning units, electric water heaters and pump motors. Each customer is paid \$25/kW of estimated demand reduction per year.

SDG&E filed Advice Letter E-1639-E for approval of a contract amendment to its contract with Comverge. The amendment was to include a residential customer component in addition to the small commercial (demand less than 100kW) and irrigation customers with demand of less than 200 kW. Resolution E-3913 approved SDG&E's request.

2005 Results

Key activities in 2005 included Program design, marketing activities, customer enrollment, and ongoing program management. SDG&E worked with a third-party contractor Comverge to develop, market, test and implement the Summer A/C Saver program. Through these efforts, 5,303 customers enrolled in the Summer A/C Saver program representing a potential load reduction of 10.3 MW.

Clean Generator Program

Description

The Clean Generator program is managed by Celerity. The key elements of this program are that it will convert existing diesel units to dual-fueled units that primarily burn natural gas, install emission control equipment on these units, and install software and communications equipment that allow SDG&E to dispatch all or some of these resources within short notice. Celerity will also maintain the converted units, so when the customer does utilize them, they are running cleaner and more efficiently than the diesel units did. The end result is that when these customers are asked to reduce their use of power, they do so, reducing demand on the grid, yet they can now continue to operate their business using less polluting equipment.

2005 Results

The Celerity contract was approved by Commission Resolution E-3926 in April 2005. Celerity has been working with customers to determine their qualifications for participation in the program and will sign qualified customers in 2006.

Technology Assistance and Incentives Programs

Technical Assistance Program (TA)

Description

The Technical Assessment Program provides business customers site assessments at no charge to determine demand response potential. Customers receive a preliminary assessment report with projected demand reduction potential. And if warranted due to customized equipment or unique operations, a second more extensive assessment will be performed.

2005 Results

Key activities in 2005 included program design, process development, marketing activities including direct customer contact and demand response program seminars and ongoing program management. SDG&E also signed an agreement with San Diego Regional Energy Office to provide preliminary and comprehensive site assessments that identified demand reduction opportunities. At year-end, 30 customers had participated in the program.

Technology Incentives Program (TI)

Description

Technology Incentives are available for installed measures that can reduce electric demands as identified from Technical Assistance assessments. The incentive payment is \$100/kW for reductions verified by SDG&E, not to exceed the total cost of equipment. Incentives are paid on measures or equipment that can actually produce quantifiable demand reduction.

2005 Results

Key activities in 2005 included program design, process development, marketing activities including direct customer contact and demand response program seminars and ongoing program management. At year-end there were no customers enrolled in the program.

Education, Awareness & Outreach Programs

Flex Your Power Now! (FYPN!)

Description

As part of overall customer education and awareness endeavors, SDG&E proposes to continue its support of the Flex Your Power Now! (FYPN!) campaign. FYPN! is an electricity conservation alert system designed to prevent Stage One Electrical Emergencies. The FYPN! alert will notify California businesses, governments and residents when they should follow specific conservation and load-shifting measures to immediately reduce their electricity use. SDG&E will develop focused awareness campaigns designed to compliment the FYPN (the energy efficiency component) efforts to be developed in concert with statewide campaign.

2005 Results

SDG&E continued to work with SCE and PG&E as well as the CAISO and the Flex Your Power partners to implement the Flex Your Power NOW! alerts as needed in the summer of 2005. The partners included the Flex NOW! message in a variety of communications, including TV and radio ads. SDG&E successfully implemented the Flex NOW! alerts on days when directed by the CASIO per the procedures outlined by the partners. Actions included posting the Flex NOW! logo on the web site and coordinating the notification message to customers with other SDG&E demand response program notifications. The Flex NOW! message was also incorporated into media briefings and alerts as possible issued on critical days.

Customer Education, Awareness & Outreach

Description

The Customer Education, Awareness & Outreach program has the following components designed to help customers manage their load:

A major part of SDG&E's customer awareness focus will be on a large-scale deployment of kWickview, SDG&E's online data presentment tool. KWickview allows customers to view their 15-minute interval data, that and provides customers with the message that *when* you use energy is just as important as *how much*."

The PEAK Student Energy Actions Program -- a partnership with the Energy Coalition -- is a comprehensive student learning experience intended to teach youth the value of "smart energy management." The overall goal of the PEAK program is to instill an efficiency ethic in students through standards-based lessons, hands-on activities, and real-world application in their homes, schools, and communities.

2005 Results

Key activities in 2005 included the development and implementation of a communication plan that includes mass market and targeted communications. Specifically, the tactics executed include two-eight week flights of print and radio ads/traffic ids. Two brochures were developed targeting business customers with demands greater than 200kW and business customers with

demands 20 -199kW. Two direct mailings went out to the greater than 200kW business customers. Two bill inserts were inserted into summer bills. Various workshops were held and the web site pages were revised.

The PEAK Student Energy Actions program distributed 125,000 energy workbooks to 3rd – 5th graders in the San Diego County school district. The workbook provided energy conservation information that students could take home and implement with the families.

Approximately 3,000 customer accounts have the ability to access to kWickview. SDG&E has been providing kWickview to all customers with Interval Data Recorder (IDR) meters installed.

Emerging Markets

Description

To facilitate coordination among the utilities the PIER Demand Response Resource Center (DRRC) and other related research at the national and international level, such as the Department of Energy's Demand Response Coordinating Committee (DRCC), SDG&E participates and co-sponsors demand response research if identified as relevant to the state and the state's longer term strategy to nurture a robust demand response market. These activities can include: participation in local, statewide and national research studies, technology pilots that involve the development and installation of new technological advances, and memberships that support agencies involved in demand response research and further stimulating demand response.

2005 Results

SDG&E participated in the California Energy Commission's (CEC) statewide Demand Response Emerging Technology Development project, DRBizNet. Its value is in the automation of DR processes such as customer enrollment and event notification, program invocation and incentive payment, etc. An electronic signal sent by the utility through the Internet would automatically implement DR strategies developed by the customer to reduce load. The statewide demonstration of this technology is planned for July 2006. SDG&E volunteered one of its facilities to participate in the load reduction demonstration. SDG&E's participation provides for "live" participation as compared to a computer simulation.

Water District Partnership

Description

SDG&E will provide incentives to water district customers who install natural gas-powered systems for water pumping. In exchange for these incentives, customers would agree to allow the utility to operate the natural gas powered systems during critical peak periods.

2005 Results

SDG&E contracted with a third party to analyze and evaluate the feasibility for local water district to install efficient natural gas powered engine systems for pumping water in return for allowing SDG&E to operate those engines during critical peak times. More specifically, the goal of the study is to determine whether the use of natural gas engine-driven pumps or site-generated

power, as a demand response measure, is feasible and cost effective and/or whether financial incentives are necessary to persuade customers to consider reducing on peak demand during critical peak times. The results of the study will be used to determine future program designs that would be beneficial to SDG&E's water districts.

Community Partnerships

Description

The Community Partnership program includes a load curtailment component with local cities and municipalities, and a joint partnership with local water districts. Eligible communities who enroll in the program agree to reduce load, if possible, when called upon. SDG&E will work with these participants to help predetermine possible load shedding activities and help quantify legitimate kW levels that could be relied upon during an emergency event.

2005 Results

The Community Partnership Business plan was developed and implemented in 2005. The targeted audience was hard-to-reach and underserved areas/communities (29 cities and 2 Regional Economic Development Councils, over 40 trade or business associations). Eighty-five (85) presentations were made at tradeshow and association meetings. SDG&E also had the following distribution of materials and messages: distributed 45,000 pieces of program collateral, inserted SDG&E message in 60 trade newsletters covering 28 organizations, distributed 15 electronic communications (email blasts). SDG&E also supplied and trained 15 local cities or municipalities with Energy Orbs.

Circuit Savers

Description

The Circuit Saver program is designed to reduce load on specific electric distribution circuits with the highest summer electric loads during the summer months. The program prioritizes the application of demand response technologies and programs to those circuits or areas that are experiencing high equipment loading or that experience higher than normal energy usage during peak conditions.

2005 Results

In 2005, SDG&E work was completed to identify circuits or areas that are experiencing high equipment loading or that experience higher than normal energy usage during peak conditions. An outreach campaign was developed and customer information packets were created for distribution to the previously identified customers. The customer literature included information related to residential programs such as, 45 ways to save and the residential 20/20 program information.

Other Programs

20/20 Residential Small Commercial Program

Description

The 20/20 Residential Small Commercial program provides a one time bill credit to residential and small commercial customers who reduce their energy consumption. To receive the 20 percent bill credit, the customer must show a 20 percent or greater reduction in average daily energy usage over the four-month billing period of July 1, 2005 through October 31, 2005, as compared with the same period in 2004.

2005 Results

Key activities in 2005 included marketing activities and program management. This program had an estimated MW reduction goal of 7MWs. A total of 100,000 customers qualified for payments representing consumption savings of 93.5 GWH as of November 2, 2005.

Appendix

**Table 1
2005 Program Results**

	Program Subscription Statistics(1)		Financial Statistics (\$000)																
	MWs	Service Accounts	Budget					Expenditures											
			Administration	Capital	M&E	Incentives	Total	Administration	Capital	M&E	Incentives	Total							
Day Ahead Notification Programs																			
Demand Bidding Program	17.4	70	\$ 852.0	\$ 300.0	\$ 35.0	\$ 4.3	\$ 1,191.3	\$ 453.6	\$ 2.1	\$ -	\$ -	\$ -	\$ -	\$ 455.7					
California Demand Reserves Partnership (2)	4.2	24	\$ 105.0	\$ -	\$ 10.0	\$ -	\$ 115.0	\$ 35.9	\$ -	\$ -	\$ -	\$ -	\$ 35.9						
Commercial/Industrial Peak Day 20/20 Program	51.3	1,253	\$ 483.0	\$ 680.0	\$ 50.0	\$ 128.9	\$ 1,341.9	\$ 374.4	\$ -	\$ -	\$ -	\$ -	\$ 374.4						
Voluntary Critical Peak Pricing Program	14.5	115	\$ 374.0	\$ -	\$ 35.0	\$ -	\$ 409.0	\$ 279.6	\$ -	\$ -	\$ -	\$ -	\$ 279.6						
Subtotal	87.4	1,462	\$ 1,814.0	\$ 980.0	\$ 130.0	\$ 133.2	\$ 3,057.2	\$ 1,143.5	\$ 2.1	\$ -	\$ -	\$ -	\$ 1,145.6						
Reliability Day-of Programs																			
Rolling Blackout Reduction Program (6), (7)	64.6	68	\$ 66.0	\$ -	\$ 5.0	\$ -	\$ 71.0	\$ 100.4	\$ 0.7	\$ -	\$ -	\$ -	\$ 101.1						
Base Interruptible Program (7)	0.2	1	\$ 83.0	\$ -	\$ 5.0	\$ 1.5	\$ 89.5	\$ 80.2	\$ -	\$ -	\$ -	\$ -	\$ 80.2						
Residential Thermostat Program (3)	1.5	3,630	\$ -	\$ -	\$ -	\$ 5,905.6	\$ 5,905.6	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -						
Critical Peak Pricing--Emergency Program	5.6	11	\$ 71.0	\$ -	\$ 10.0	\$ -	\$ 81.0	\$ 17.8	\$ -	\$ -	\$ -	\$ -	\$ 17.8						
Optional Binding Mandatory Curtailemnt Program			\$ -	\$ -	\$ -	\$ -	\$ -	\$ 1.9	\$ -	\$ -	\$ -	\$ -	\$ 1.9						
Scheduled Load Reduction Program			\$ -	\$ -	\$ -	\$ -	\$ -	\$ 3.3	\$ -	\$ -	\$ -	\$ -	\$ 3.3						
Summer A/C Saver Program (Converge)	10.3	5,303	\$ -	\$ -	\$ -	\$ -	\$ -	\$ 581.6	\$ -	\$ 1.4	\$ -	\$ -	\$ 754.2						
Clean Generator Program (Celerity)			\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -						
AL-TOU-CP (4))	15.3	31	\$ -	\$ -	\$ -	\$ -	\$ -	\$ 32.0	\$ -	\$ -	\$ -	\$ 186.4	\$ 218.4						
Subtotal	97.5	9,044	\$ 220.0	\$ -	\$ 20.0	\$ 5,907.1	\$ 6,147.1	\$ 817.2	\$ 0.7	\$ 1.4	\$ 357.6	\$ 1,176.9							
Technology and Incentives Programs																			
Technical Assistance Program			\$ 1,059.0	\$ -	\$ 10.0	\$ -	\$ 1,069.0	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -						
Technology Incentives Program			\$ 1,194.0	\$ -	\$ 10.0	\$ -	\$ 1,204.0	\$ 179.5	\$ -	\$ -	\$ -	\$ -	\$ 179.5						
Subtotal	0	-	\$ 2,253.0	\$ -	\$ 20.0	\$ -	\$ 2,273.0	\$ 179.5	\$ -	\$ -	\$ -	\$ 179.5							
Education, Awareness & Outreach Programs																			
Flex Your Power Now!			\$ 558.0	\$ -	\$ 50.0	\$ -	\$ 608.0	\$ 554.4	\$ -	\$ -	\$ -	\$ -	\$ 554.4						
Customer Education, Awareness & Outreach			\$ 1,990.0	\$ -	\$ 50.0	\$ -	\$ 2,040.0	\$ 1,220.5	\$ -	\$ -	\$ -	\$ -	\$ 1,220.5						
Emerging Markets			\$ 343.0	\$ 100.0	\$ 10.0	\$ -	\$ 453.0	\$ 112.2	\$ -	\$ 2.4	\$ -	\$ -	\$ 114.6						
Water District Partnership			\$ 75.0	\$ -	\$ 50.0	\$ -	\$ 125.0	\$ 67.8	\$ -	\$ -	\$ -	\$ -	\$ 67.8						
Community Partnerships			\$ 225.0	\$ -	\$ 25.0	\$ -	\$ 250.0	\$ 117.8	\$ -	\$ -	\$ -	\$ -	\$ 117.8						
Circuit Savers			\$ 76.0	\$ -	\$ -	\$ -	\$ 76.0	\$ 62.3	\$ -	\$ -	\$ -	\$ -	\$ 62.3						
Subtotal	0	-	\$ 3,267.0	\$ 100.0	\$ 185.0	\$ -	\$ 3,552.0	\$ 2,135.0	\$ -	\$ 2.4	\$ -	\$ 2,137.4							
Other Programs																			
20/20 Residential Small Commercial Program (5)			\$ 1,260.0	\$ -	\$ 100.0	\$ -	\$ 1,360.0	\$ 1,340.2	\$ -	\$ -	\$ -	\$ 5,905.6	\$ 7,245.8						
Subtotal	0	-	\$ 1,260.0	\$ -	\$ 100.0	\$ -	\$ 1,360.0	\$ 1,340.2	\$ -	\$ -	\$ 5,905.6	\$ 7,245.8							
Total	184.9	10,506	\$ 8,814.0	\$ 1,080.0	\$ 455.0	\$ 6,040.3	\$ 16,389.3	\$ 5,615.4	\$ 2.8	\$ 3.8	\$ 6,263.2	\$ 11,885.2							

Notes:

- (1)The MWs represent estimated cumulative contractual reductions as of December 2005. Subscribed MW estimates are provided by either the customer or SDG&E. These numbers do not represent the actual MW reduced.
- (2) This information is provided by the California Power Authority's Agent, APX.
- (3) Assumes that 5,000 homes = 2MW reduction. In December 2005, there were a total of 4016 thermostats installed representing 3630 service accounts.
- (4) This program is covered in SDG&E's Demand-Side Management Programs Annual Summary, Program Years 1994-1997, May 2006.
- (5) This program ran from July 1, 2005 through October 31, 2005 with an estimated MW reduction goal of 7MWs.
A total of 100,000 customers qualified for payments representing consumption savings of 93.5 GWH as of November 2, 2005.
- (6) Capital costs for meters provided free to customers and charged to the program.
- (7) Reflects the total costs of the programs. Some of the costs of these programs were authorized under SDG&E 2004 COS and D.05-01-056 and tracked in AMDRMA.

**Table 2
2005 Event Summary**

Event No.	Date	Interruptible & Curtailment Programs ISO Request (MW)	Program Activated	Program Trigger	Actual Load Reduction (MW)	Event Duration (hr:min)	Program Tolled Hours (Annual)	Program Tolled Events (Annual)	Comments
n/a	January-05	None	--		--	--	--	--	
n/a	February-05	None	--		--	--	--	--	
n/a	March-05	None	--		--	--	--	--	
n/a	April-05	None	--		--	--	--	--	
n/a	May-05	None	--		--	--	--	--	
n/a	June-05	None	--		--	--	--	--	
1	07/12/2005		DBP	ISO day ahead forecast load is 43,000 MW	0.36	4:00			
2	07/13/2005		DBP	ISO day ahead forecast load is 43,000 MW	1.34	4:00			
3	07/14/2005		DBP	ISO day ahead forecast load is 43,000 MW	0.69	4:00			
4	07/14/2005		CPA - DRP	CAISO Discretion	1.91	2:00			
5	07/15/2005		DBP	ISO day ahead forecast load is 43,000 MW	0.82	4:00			
6	07/19/2005		DBP	ISO day ahead forecast load is 43,000 MW	0.60	5:00			
7	07/20/2005		DBP	ISO day ahead forecast load is 43,000 MW	0.24	3:00			
8	07/20/2005		CPA - DRP	CAISO Discretion	1.23	2:00			
9	07/21/2005		DBP	ISO day ahead forecast load is 43,000 MW	0.00	3:00			
10	07/21/2005		CPP	Day ahead forecast 84° at MCAS and actual system load reaches or exceeds 3,620 MW	4.00	7:00			
11	07/21/2005		AL-TOU-CP	CAISO Stage 2 Emergency	1.44	1:21			
12	07/21/2005		C & I 20/20	Day Ahead forecast 84° MCAS & actual system load reaches or exceeds 3,620 MW	8.80	7:00			
13	07/21/2005		CPA - DRP	CAISA Discretion	2.08	3:00			
14	07/22/2005		AL-TOU-CP	CAISO Stage 2 Emergency	1.70	4:32			

**Table 2
2005 Event Summary**

Event No.	Date	Interruptible & Curtailment Programs ISO Request (MW)	Program Activated	Program Trigger	Actual Load Reduction (MW)	Event Duration (hr:min)	Program Tolled Hours (Annual)	Program Tolled Events (Annual)	Comments
15	07/22/2005		DBP	ISO day ahead forecast load is 43,000 MW	0.50	5:00			
16	07/22/2005		CPP	Day ahead forecast 84° at MCAS and actual system load reaches or exceeds 3,620 MW	4.30	7:00			
17	07/22/2005		C & I 20/20	Day ahead forecast 84° at MCAS and actual system load reaches or	11.72	7:00			
18	07/22/2005		CPA - DRP	CAISO Discretion	1.03	4:00			
19	07/26/2005		DBP	ISO day ahead forecast load is 43,000 MW	0.00	3:00			
20	07/27/2005		DBP	ISO day ahead forecast load is 43,000 MW	1.75	2:00			
21	07/12/2005	2.0	Residential Smart Thermostat	Peak Load	1.3	2	2	1	1.5
22	07/13/2005	2.0	Residential Smart Thermostat	Peak Load	1.3	2	4	2	
23	07/14/2005	2.0	Residential Smart Thermostat	Peak Load	1.3	5	9	3	
24	07/21/2005	2.0	Residential Smart Thermostat	Peak Load	1.3	4	13	4	
25	07/22/2005	2.0	Residential Smart Thermostat	Peak Load	1.3	5	18	5	
26	08/04/2005		DBP	ISO day ahead forecast load is 43,000 MW	0.80	2:00			
27	08/05/2005		DBP	ISO day ahead forecast load is 43,000 MW	0.39	3:00			
28	08/26/2005		AL-TOU-CP	CAISO Stage 2 Emergency	1.12	1:24			
29	08/26/2005		C & I 20/20	Day ahead forecast 84° at MCAS and actual system load reaches or exceeds 3,620 MW	9.41	7:00			
30	08/26/2005		CPP	Day ahead forecast 84° at MCAS and actual system load reaches or exceeds 3,620 MW	6.52	7:00		5	

**Table 2
2005 Event Summary**

Event No.	Date	Interruptible & Curtailment Programs ISO Request (MW)	Program Activated	Program Trigger	Actual Load Reduction (MW)	Event Duration (hr:min)	Program Tolled Hours (Annual)	Program Tolled Events (Annual)	Comments
20/20 Residential & Small Commercial ⁽⁴⁾									
31	08/29/2005		AL-TOU-CP	CAISO Stage 2 Emergency	1.04	2:12			
32	08/26/2005	2	Residential Smart Thermostat	Peak Load	1.4	2:00	20	6	
33	08/29/2005		CPA - DRP	CAISO Discretion	2.12	5:00			
34	09/29/2005		CPP	Day ahead forecast 84° at MCAS and actual system load reaches or exceeds 3,620 MW	7.02	7:00			
35	09/30/2005		CPP	Day ahead forecast 84° at MCAS and actual system load reaches or exceeds 3,620 MW	7.02	7:00			
36	09/30/2005		C & I 20/20	Day ahead forecast 84° at MCAS and actual system load reaches or exceeds 3,620 MW	10.83	7:00			
37	09/28/2005	2	Residential Smart Thermostat	Peak Load	1.4	5	25	7	
38	09/29/2005	2	Residential Smart Thermostat	Peak Load	1.4	5	30	8	
39	10/06/2005	2	Residential Smart Thermostat	Peak Load	1.4	5	35	9	
40	10/07/2005	2	Residential Smart Thermostat	Peak Load	1.4	5	40	10	
41	10/13/2005	2	Residential Smart Thermostat	Peak Load	1.4	5	45	11	
42	10/14/2005	2	Residential Smart Thermostat	Peak Load	1.4	5	50	12	
n/a	November-05	None	--		--	--	--	--	
n/a	December-05	None	--		--	--	--	--	

(1) In July 2005, Actual Load Reduction is reported as NET.

(2) Effective August 1, 2005, Actual Load Reduction is reported as gross.

(3) CPA DRP curtailment numbers have been updated to accurately reflect kW reduction. Load Reduction data is from APX and is reported as NET.

(4) Residential & Small Comm 20/20 - The number of customers that were paid out was 100,000 with the consumption savings of 93,515,839 kWh as of November 2, 2005.