

**BEFORE THE
PUBLIC UTILITIES COMMISSION
OF THE STATE OF CALIFORNIA**

**Application of Pacific Gas and Electric Company
for Authority to Implement Default CPP Rate
Options For Large Customers.**

Application 05-01-016
(Filed January 20, 2005)

**Application of San Diego Gas & Electric Company
(U902-E) for Adoption of a 2005 Default
Critical Peak Pricing Structure for Commercial
and Industrial Customers with Peak Demands
Exceeding 300 kW.**

Application 05-01-017
(Filed January 20, 2005)

**Southern California Edison Company's
(U338-E) Application for Approval of Rate
Design Proposals for Large Customers.**

Application 05-01-018
(Filed January 20, 2005)

**OPENING TESTIMONY OF THE
CALIFORNIA INDEPENDENT SYSTEM OPERATOR CORPORATION**

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1 desire to proactively address a potential deficiency in generating capacity
2 to meet summer 2005 peak electricity demand, especially in Southern
3 California. In an effort to mitigate the anticipated supply/demand
4 imbalance, the ACR directed the IOUs to (1) develop a new default rate for
5 customers over 200 kW that provides a critical peak price ("CPP") signal
6 distinct from the generic time of use rate schedule and (2) move existing
7 non-firm and interruptible rate customers onto the new CPP rate and
8 concurrently enroll them in an "optional program like PG&E's proposed 2005 E-
9 BIP." (ACR at 2-3 and 8.)

10 The CAISO's interest in this consolidated proceeding is narrowly
11 focused on its implications for grid reliability for summer 2005. Consistent
12 with this interest, the CAISO's testimony sets forth the following
13 conclusions:

- 14 • The IOUs properly limit any application of the CPP rate to
15 customers who do not already participate in an interruptible load
16 program. Preserving the efficacy of existing interruptible programs
17 for summer 2005 is critical.
- 18 • The Commission should reopen and expand existing non-firm,
19 interruptible programs. The Commission should focus on the most
20 effective means of obtaining additional demand response in the short
21 time prior to summer 2005.
- 22 • Should CPP rates be implemented, the CAISO clarifies the trigger
23 for the CPP events.

1 **A. Changing the Existing Interruptible Program Structure for**
2 **Summer 2005 Creates Unnecessary System Reliability Risk**

3 The CAISO shares the Commission's "substantial concern" that capacity
4 margins in California will be tight for summer 2005. The CAISO is currently
5 preparing its assessment of the forecasted peak electricity supply and demand
6 levels for the CAISO Control Area for the summer of 2005. Notwithstanding
7 the absence of any final outcomes of its assessment, the CAISO anticipates
8 results generally consistent with the conclusions reached by the California
9 Energy Action Plan report, entitled California's Electricity Situation Summer
10 2005, issued on December 7, 2004. The Energy Action Plan report found that
11 an additional 1715 MW of capacity is needed in 2005 to satisfy operating
12 reserves under normal operating conditions and a 1-in-10 year weather
13 forecast. Demand growth and retirements are anticipated to exacerbate the
14 capacity deficiency in subsequent years in Southern California. Capacity in
15 Northern California was deemed adequate for 2005, but the Energy Action Plan
16 report concluded that actions remain necessary for Northern California to
17 address increasingly tight margins that turn into a projected shortfall for
18 2008.

19 Given such a clear need for action, the CAISO commends President Peevey
20 and ALJ Cooke for proactively directing the IOUs to address the State's
21 capacity needs through demand-side programs. However, the promise of
22 additional customer demand response from new programs must be carefully
23 balanced with the certainty and reliability of existing interruptible
24 programs. The CAISO believes this balancing leads to the conclusion that
25 existing non-firm and interruptible customers should remain on their current

1 rate schedules. The ACR recognized the need for caution by stating that
2 “[i]f the utilities wish to retain the existing non-firm and interruptible
3 rates for summer 2005, they may include that proposal and rationale and how
4 doing so would impact dependability of interruptible capacity...” (ACR at 5.)
5 All of the IOUs have elected to retain existing non-firm and interruptible
6 rate schedules rather than move existing participants to generally new,
7 untested programs. The CAISO strongly supports this element of the IOU
8 applications.

9 PG&E emphatically states, “under no circumstances does PG&E recommend
10 the ACR’s suggested approach of discontinuing PG&E’s Non-firm program in 2005
11 and placing those customers on a default CPP Program rate and on PG&E’s E-BIP
12 program.” (PG&E Application at 2.) PG&E correctly notes that it would be
13 counterproductive to the goals of the ACR to take actions that potentially
14 decrease reliability-based load reduction or the participation of large
15 customers in established price-responsive programs. SCE is equally clear
16 that “[u]ntil California has an electricity market structure which assures
17 adequate generation and until price responsive programs are mature, it is not
18 prudent to eliminate or reduce the effectiveness of these reliability
19 programs, which are, by their nature, only called under emergency
20 conditions.” (SCE Testimony at 22:4-7.)

21 Current interruptible programs, such as the Schedule I-6 rate, are
22 relied upon by the CAISO to provide short-term responses to emergency
23 conditions. Changing the current interruptible program structure under the
24 compressed schedule provided in the ACR injects uncertainty into the
25 performance of reliability demand response programs and potentially

1 compromises the ability of the CAISO to address unexpected contingency
2 situations. Indeed, PG&E testifies that existing non-firm customers have
3 expressed little interest in E-BIP and that the "newness" of the program may
4 cause transitioned non-firm customers to increase their firm service levels.
5 (PG&E Testimony at 3-3:20-31.) Thus, the record demonstrates the
6 possibility that existing non-firm participants may elect not to transition
7 to E-BIP or similar programs. Such an outcome would render critically needed
8 reliability demand response unavailable and result in the degradation of
9 system reliability. The old cliché regarding a bird in hand being worth two
10 in the bush is applicable to reliability demand response programs.
11 Accordingly, the CAISO agrees with the IOUs that customers currently enrolled
12 in non-firm interruptible rate programs should not be required to convert to
13 relatively untested programs, such as the E-BIP program referenced in the
14 ACR.

15 This recommendation should not be construed as hostility to E-BIP or
16 any other proposed interruptible program. Instead, the recommendation merely
17 echoes the sentiment of SCE that given the potential capacity deficiencies
18 prompting the ACR, then the last thing the Commission should do is remove a
19 proven program and the last line of defense to prevent or mitigate firm load
20 outages

21 **B. The Commission Should Reopen and Expand Existing**
22 **Reliability Based Programs to Address Summer 2005 Capacity**
23 **Deficiencies**

24 In D.05-01-056, issued on January 27, 2005, the Commission refused to
25 reopen the existing non-firm interruptible rates for PG&E and SCE because of

1 the ACR's directive that the IOUs file new rate applications for customers
2 with demand of 200 kW or greater. The CAISO supported this position in its
3 comments on the draft decision. The CAISO reasoned that given the small
4 quantity of estimated incremental MW anticipated from reopening the existing
5 non-firm interruptible programs (5 MW for SCE and 20 MW for PG&E), new,
6 creative programs should be developed and pursued to increase customer
7 participation.

8 Nevertheless, the CAISO now supports SCE's and PG&E's requests to
9 reopen and expand existing reliability programs for 2005, while continuing to
10 develop new price responsive programs. (SCE Testimony at 21; PG&E Testimony
11 at 3-1.) The position, taken unanimously and properly in the applications,
12 to preserve the existing non-firm and interruptible programs for Summer 2005
13 in the applications, as well as the inability to timely market new programs,
14 now militates in favor of reopening the existing programs. The CAISO
15 believes that any additional participation in these traditional programs will
16 likely be of value in the upcoming summer.

17 **C. Application of the CPP to PG&E for Summer 2005 May Be**
18 **Appropriate**

19 PG&E, however, proposes a deliberate "stay the course" approach that
20 defers implementation of any CPP until at least 2006. PG&E's position is, in
21 part, based on the existence of a projected capacity surplus in NP15 during
22 Summer 2005 and "[b]ecause of the present limitation on Path 26, additional
23 load relief in northern California is not likely to be of use in meeting
24 southern California Summer 2005 resource needs." (PG&E Testimony at 2-22:8-
25 34.) PG&E is generally correct. The CAISO will call a "Regional Reserve"

1 State Emergency on a zonal basis for Southern California if the reserves in
2 Southern California are, or are forecast to be, below the appropriate MORC
3 requirements, and the amount of reserves that can be imported into the area
4 is limited.

5 The CAISO does not corroborate PG&E's factual claims, however, as explicit
6 support for deferral of CPP for Northern California. Rather, the CAISO
7 simply wants the Commission to be properly informed so that it can weigh the
8 competing policy considerations, e.g., effect on business climate, that will
9 determine the outcome of these applications. It should be noted that the
10 amount of load reduction in PG&E's service territory remains important to
11 system reliability and as potential insurance for Northern California against
12 unanticipated temperature conditions or reduced hydroelectric power
13 availability from the Pacific Northwest. At present, snow pack is running
14 from 20 to 38% of normal for many of the river basins that feed the Columbia
15 River.

16 **D. An Alert Notice Constitutes an Appropriate Trigger for the**
17 **CPP Rate**

18 The CAISO agrees that using the CAISO declared Alert Notice is an
19 appropriate triggering mechanism for a CPP event. An Alert Notice is focused
20 on the Day-Ahead time frame. If the CAISO determines that the Operating
21 Reserves are forecasted to be less than the required amount, then an Alert
22 Notice will be issued after the close of the Day-Ahead Market, which closes
23 at 1:00 p.m. PST (on the day ahead of the subject Trade Day). The CAISO
24 Dispatch Protocol, Section DP 10.1.1, "System alert" describes the Alert
25 Notices as:

1 "A Notice Issued by the ISO when the operating requirements of the ISO
2 Controlled Grid are marginal because of Demand exceeding forecast, loss
3 of major Generation or loss of transmission capacity that has curtailed
4 imports into the ISO Control Area, or if the Day Ahead Market is short
5 on scheduled Energy and Ancillary Services for the ISO Control Area."

6 Although an Alert Notice may be declared at any time there is a significant
7 loss of generating or transmission resources, or when there is a forecast
8 demand exceeding current resources known to be available in the market; the
9 Alert Notice focuses on the Day-Ahead Market and shortfalls which are
10 anticipated to occur in the next day. The CAISO will use its best efforts
11 during the Summer of 2005 to issue an Alert Notice as soon as practical after
12 the analysis of the results of the Day Ahead Market.

13 Alert Notices will be issued simultaneously and directly to all Market
14 Participants and to the CAISO Participating Transmission Owners, Utility
15 Distribution Companies, and Metered Subsystems.

1 **QUALIFICATIONS OF GLEN P. PEREZ**

2 My name is Glen P. Perez, and my business address is 151 Blue Ravine
3 Road, Folsom, California 95630.

4 I am currently the Manager of the Compliance Audits section in the
5 Compliance Department of the California Independent System Operator
6 Corporation ("CAISO"). My duties include review of Settlement Quality Meter
7 Data, coordinating and reviewing the Scheduling Coordinator's annual self-
8 audits, implementing the Enforcement Protocol of the CAISO Tariff, and
9 participating in cross-disciplinary teams, including the CAISO efforts in the
10 State's demand response programs.

11 I earned a Bachelor of Science Degree in Nuclear Engineering from the
12 University of California Berkeley in 1982. I have over 23 years of
13 experience in the energy industry with the last seven years at the CAISO.
14 Prior to joining the CAISO, I spent nine years in the compliance and quality
15 assurance departments at an electric utility and seven years as a nuclear
16 power plant inspector for the federal government.

17 Since 1999, I have been intimately involved with the development and
18 implementation of the CAISO's demand response programs and have acted as the
19 key liaison between the CAISO and the various state agencies and utility
20 distribution companies for demand response programs and initiatives.

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CERTIFICATE OF SERVICE

I hereby certify that I have served, by electronic mail, a copy of the foregoing Opening Testimony of the California Independent System Operator Corporation to each party in Docket Nos. A.05-01-016, A.05-01-017 and A.05-01-018.

Executed on February 15, 2005 at Folsom, California.



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