

Chapter 8

Appendix

***From
SCE's Manual***



The ESP Handbook

Appendix

Version 2.5
November 23, 1998

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Contacting SCE

SCE has established two organizations to support ESPs. ESP Services and ESP Support Center are available to assist with inquiries, services, and interactions.

ESP Services is the initial primary point of contact for ESPs and can assist with the following:

- General Inquiries
- Requests for appropriate forms and agreements
- Policies and procedures

ESP Services is available Monday–Friday, 8:00 am to 5:00 pm (Pacific Standard Time) at the following:

ESP Services:	(888) 371-ESPS
ESP Services Fax:	(562) 491-2350
E-Mail:	espsvcs@sce.com
Mailing Address:	ESP Services Southern California Edison (SCE) P.O. Box 410 Long Beach, CA 90801 Attention: Denise Grant

The ESP Support Center was designed to be the primary point of contact for operational issues, after Service Agreements are signed. This organization will respond to inquiries on the following:

- Direct Access Service Requests
- Customer Data Requests
- Joint Customer Issues
- Other Direct Access Inquiries

For your convenience, the ESP Support Center is available Monday–Friday, 7:00 am to 5:00 pm (Pacific Standard Time) at the following:

ESP Support Center:	(800) 795-6723
ESP Support Center Fax:	(562) 491-7630
E-Mail:	espsupt@sce.com
Mailing Address:	ESP Support Center Southern California Edison (SCE) P.O. Box 410 Long Beach, CA 90801

Voice Mail, Fax, and E-Mail are available 24 hours, with a response or an acknowledgment within 24 hours if your request is made during normal business hours.

Special Customer Circumstances

SCE provides special attention to Critical Care Customers during outages and credit related events. Critical Care Customers are those with special life support needs. If the ESP is aware of any special customer circumstances, please contact the ESP Support Center at (800) 795-6723 immediately. The ESP Support Center will note the situation on the customer's account.

Unsafe Conditions

Red List customers are those who have threatened or placed utility employees in unsafe situations. SCE requests the ESP to notify the ESP Support Center at (800) 795-6723 with the name and service account information of any customer who threatens or places ESP agents in unsafe situations. SCE will extend the same courtesy to all ESPs.

Outage Notification

Should an electric outage occur, please contact the Customer Contact Center at (800) 611-1911 immediately to report the area of the outage. The Customer Contact Center is available 24 hours per day.

Energy Diversion

SCE meter readers are trained to visually inspect the meter for energy diversion while reading the meter. ESPs will be responsible for notifying SCE of any situation where energy diversion may be occurring. To report these conditions please contact the Meter Investigation division of SCE at:

- Telephone: (800) 203-4634
- Fax: (626) 633-3192
- E-Mail Address: metering@sce.com

End Use Customer Billing Inquiries

When a Direct Access customer calls their ESP with a Billing Inquiry, the ESP should resolve the Billing Inquiry when pertaining to ESP charges.

The ESP should refer the customer to SCE only when the Billing Inquiry pertains to Transmission and Distribution charges. Please refer the customer to the SCE Direct Access Support Center at (800)799-4723.

When an ESP needs a pick-up read and SCE is the MDMA, the request should be directed to Meter Operations Support Desk at www.metering@sce.com or call (800) 203-4634.

Reference Guide

The CPUC's October 30, 1997 Decision on Direct Access Tariffs and Service Agreements

On October 30, 1997, the CPUC issued its decision on individual tariffs submitted by several participants in the restructuring program in California. This decision attempts to create a unified tariff on the basis of the separate proposals submitted by utilities and other private parties. As such, the document contains critical information on the business requirements and policies Direct Access participants will have to follow in California. It also identifies several areas that remain outstanding, and will receive further review from the Commission in the coming months.

CPUC Website

The CPUC website contains valuable information on the California Electric Market Restructuring efforts, as well as detailed information for ESPs, including registration information.

..... www.cpuc.ca.gov

Senate Bill 477 (SB477)

This senate bill made a series of changes to the statutes governing electric industry restructuring (AB1890), including changes to Section 394 which requires certain information from registrants. The most immediate change from the initial requirements in AB 1890 is that registrants must provide a brief description of the services to be offered, including types of customers and area in which services are to be provided. www.leginfo.ca.gov

Assembly Bill 1890 (AB1890)

This assembly bill amended the Public Utilities Code to facilitate a restructured electricity market. It provided for the creation and operation of an Independent System Operator (ISO) and Independent Power Exchange (PX), with FERC authorization. In addition, AB1890 authorized direct transactions between electricity suppliers and end use customers, subject to implementation of a non bypassable charge..... www.leginfo.ca.gov

CPUC Decision - D.97-05-039

This CPUC policy decision determined that competing retail electric service providers should be allowed to offer their customers consolidated billing for electric services, meters, meter reading, and related services. This decision also allowed ESPs to provide for their customers meters other than those furnished by the UDCs. In addition, this decision determined that in the unbundling proceeding the CPUC would determine the appropriate way to separately identify cost savings associated with ESPs providing consolidated bills, meters, or other related functions. Finally, this decision permitted utilities to modify their existing meters on a system-wide scale with AMR technology; only customers taking advantage of AMR are required to reimburse the UDC for its cost..... www.cpuc.ca.gov

CPUC Decision - D.97-05-040

This CPUC decision addressed some of the policy and time-critical issues regarding direct access. It permitted full direct access for all customer classes beginning on January 1, 1998. This decision also determined that customers with load of 50kW and above must have interval metering. Customers with load less than 50kw may participate in direct access through load profiles. Finally, D.97-05-040 addressed the registration process for ESPs.

..... www.cpuc.ca.gov

CPUC Decision - D.97-10-087

This CPUC decision approved Direct Access tariff provisions and the ESP agreement, other affected tariff rules, and rate schedules.

..... www.cpuc.ca.gov

CPUC Decision - D.98-03-072

This CPUC decision addressed the consumer protection issues associated with direct access. This decision adopted interim standards that registered ESPs must meet. It addressed UDC-ESP service agreements, ESP registration, bond requirements, and required filings.

..... www.cpuc.ca.gov

CPUC Decision - D.98-07-032 and D.98-09-070

These recent CPUC decisions resolved issues re: revenue cycle services - distribution support functions like metering and billing which are unbundled in order to promote competition in direct access. Specifically, these decisions addressed required billing system changes to implement credits for these services and established the level of credits for each UDC.

..... www.cpuc.ca.gov

CPUC Decision - D.97-10-086

Load profiling is the process of taking the cumulative kilowatt-hour (kWh) usage of a customer over a billing cycle and assigning it to individual hours in the cycle, based on the aggregate characteristics of the customer class in which the customer resides. Statistically valid methods are used in the assignment process.

The load profiling decision clarified that customers who are eligible for Direct Access without installing hourly meters are those with demand less than 20 kW. In addition, the customers between 20 and 50 kW are exempt from interval metering and are eligible for load profiling, until September 1998. Four load profiling workshops were held earlier of this year. A workshop report was issued on 9/9/98 addressing load profiling for all UDC rate groups, use of dynamic and static load profiling, and reporting requirements. Finally, an additional workshop was held on 9/25/98 to determine whether the exemption allowing load profiling for 20 to 50kW

customers should continue past 1/1/99, and to address the impacts of requiring metering for these customers.

..... www.cpuc.ca.gov

CPUC Direct Access Working Group Website

The Direct Access Working Group (DAWG) will contribute to the Commission's consideration of Direct Access implementation by identifying, discussing, scoping, sequencing, and linking related issues, and documenting areas of consensus and controversy

.....<http://162.15.5.2/wk-group/d-access>

Customer Information Database Workshop Report

This report contains detailed information on the Direct Access Implementation Decision that required the utilities to make customer information available by the following two methods: the first is a release of customer information that would exclude the customer's identity, the Non-Confidential Data Base (NCDB), and the second is a standardized report on a customer's usage that can be requested by the customer up to two times a year without charge.

.....<http://162.15.5.2:8wk-group/dai/dai5/msg 00018.htm>

Meter and Data Communications Standards (MDCS) Workshop Report

The MDCS Workshop Report examines the requirements for gathering, generating, and communicating the necessary information to meet the needs of the new marketplace, focusing on metering and meter data procedures and standards... <http://162.15.5.2:80/wk-group/dai/dai3>

Retail Settlement and Information Flow (RSIF)

The RSIF is a model of necessary and desired information flows under the new market structure. The RSIF model includes which entities require what information, in what form, and when to perform critical market functions; who is responsible for gathering/generating that information; the basis on which the information is gathered/generated; and how it is disseminated to market participants who require it... .. <http://162.15.5.2:80/wk-group/dai/dai4>

EDI ANSI X12 Mapping Guide(s)

SCE intends to use standard EDI transactions developed by the Accredited Standards Committee. This committee and its standard transaction formats are sanctioned and approved by the American National Standards Institute (ANSI). These EDI transactions are provided in the ESP Handbook.

Official California Legislative Information

This website includes information on the various Assembly and Senate Bills filed by the CPUC. This website is the official site for California legislative information. This WWW site is maintained by the Legislative Counsel of California, pursuant to California law, and it contains information on the following bills.

SCE's Rule 22

The policies and procedures described in this handbook are based on SCE's Rule 22, which is in line with the provisions of the CPUC's October 30, 1997 decision. Due to system limitations and time constraints associated with meeting new CPUC requirements, SCE may be unable to implement all the provisions of the October 30, 1997 decision and SCE's Rule 22 initially.

ESP Basic Information Packet

The Basic Information Packet contains all forms necessary for ESPs to do business with SCE. The following forms are included as part of the packet: Participant Information Form, Credit Profile Application, various security establishment forms, Customer Information Request Form (CISR), SCE-ESP Service Agreement, EDI Trading Partner Agreement, EDI Trading Partner Profile, and EDI Payments Agreement. The Basic Information Packet is available from SCE's ESP Services Division..... espsvcs@sce.com

ESP Information

ESP Information including the ESP Direct Access Kit is available at the Edison International (EIX) Internet Webpage. www.sce-esp.com

SCE DASR Assistant

The DASR Assistant is a tool designed to help Electric Service Providers complete Direct Access Service Requests for customers in Southern California Edison territory.

..... www.sce-esp.com

SCE Bill Data Exchange Assistant

The Bill Data Exchange Assistant is a tool designed to help Electric Service Providers create and send billing information for those who have chosen the UDC Consolidated Billing option.

..... www.sce-esp.com

SCE Holiday Schedule

ESP Services and the ESP Support Center will not be available on the following SCE-observed holidays:

<u>Holiday</u>	<u>Date Observed</u>
New Year's Day*	January 1
Washington's Birthday	3 rd Monday in February
Memorial Day	Last Monday in May
Independence Day*	July 4
Labor Day	1 st Monday in September
Columbus Day	2 nd Monday in October
Veterans Day*	November 11
Thanksgiving Day	4 th Thursday in November
Thanksgiving Friday	Day after Thanksgiving
Christmas Day*	December 25

*If the holiday falls on a Saturday, the company holiday will be observed on the previous Friday.
If the holiday falls on a Sunday, the company holiday will be observed on the next Monday.

SCE's Tariff goes Here

*From
SDG&E's Manual*

Appendices

SDG&E's Electric Service Providers Contact List

Schedule DA

Rule 25

SDG&E Electric Rates (Description)

Power Source Meters Programs from SDG&E

SDG&E Metering Programs – Proposed Prices Filed With The CPUC

Meter Pricing Under 500 kW

Meter Pricing Over 500 kW

Sample Bills for Direct Access

Daily Distribution Loss Factor File

Year to Date Distribution Loss Factors File

San Diego Gas & Electric Meter Reading Schedule for 1999

SDG&E's Electric Service Providers Contact List

DA Area	Name	Phone Number	e-mail Address
ESP Relations	Michael Gunzelman	619-654-1177	directaccess@sdge.com
	Doug Kozik	619-654-1148	directaccess@sdge.com
	Addis Scott	619-654-1183	directaccess@sdge.com
Creditworthiness	Scott Gray	619-654-8307	Sgray@sdge.com
Billing/Payment	Shirley Troxel	619-654-8385	troxel@sdge.com
	Angie Landymore	619-654-8368	alandymo@sdge.com
	Corina Sun	619-774-5321	csun@sdge.com
Direct Access Project Coordinators	Bob Dalby	619-636-6843	bdalby@sdge.com
	Steve Taylor	619-636-6842	staylor@sdge.com
MDMA Server	Ed McCann	619-654-6387	emccann@sdge.com
EDI Implementation	Chris Alba	619-654-1715	calba@sdge.com
Customer Information	Leslie Willoughby	619-654-1262	lwilloug@sdge.com
Bill Inserts	Delnora Sadler	619-654-1277	dsadler@sdge.com
Planned Outages	Delnora Sadler	619-654-1277	dsadler@sdge.com

** For translations call 619-654-8649

Team Leads	Dawn Osborne	Phone: 619-654-1275	e-mail: dosborne@sdge.com
	Customer Service Team		
	Steve Grady	Phone: 619-654-8242	e-mail: sgrady@sdge.com
	Meter Services Team		



SCHEDULE DA

TRANSPORTATION OF ELECTRIC POWER FOR DIRECT ACCESS CUSTOMERS

APPLICABILITY

Applicable to customers who elect to acquire electric power and other energy services from a third-party energy service provider (ESP). Further details provided in Rule 25.

TERRITORY

Applicable throughout the UDC's service territory.

RATES

Charges for service rendered under this schedule shall consist of any combination of the following charges:

1. The customer's otherwise applicable default UDC service charges, less an amount for Power Exchange (PX) costs listed under Schedule PX.
2. Service fees to recover the costs incurred by the UDC for services rendered that are generally not a part of default UDC services.
3. Bill credits for customers who elect to have parties other than the UDC perform the selected services listed herein. These credits may not be applicable until January 1, 1999.
4. Franchise fees and surcharges that apply to certain customers for services rendered under this schedule.

Otherwise Applicable Default UDC Service Charges

The customer's otherwise applicable default UDC service charges, less an amount for PX charges, shall be the primary charges for service under this schedule.

Other Charges

Billing adjustments may be necessary to reflect changes in energy used in developing the transportation charges of prior periods. The minimum charges shall be the customer or service fees or the minimum bills of the otherwise applicable rate schedules. A late payment charge may apply to the customer's billing charges whenever the customer fails to pay for services rendered under this schedule. See Rule 25 for further details.

(Continued)

Advice Ltr. No. 1057-E

Decision No. 97-10-087

Issued by
William L. Reed
Vice President
Regulatory Affairs

Date Filed December 1, 1997
Effective _____

Resolution No. _____

SCHEDULE DA

RATES (continued)

Bundled Meter Service Fees

All customers who receive service under this schedule may choose from the bundled meter service options listed below. The UDC will own, install, maintain, and read the meter in each option. Each option includes an interval data recorder (IDR) meter with varying degrees of communication capabilities. The fees for each option are in addition to the customer's otherwise applicable default UDC service charges, less an amount for PX charges and bill credits, if applicable. These fees will be assessed to the customer and be a part of the customer's UDC charges for Direct Access.

		<u>Units</u>	<u>Amount</u>			<u>Notes</u>
			<u>Single Phase</u>	<u>Single Phase</u>	<u>Poly Phase</u>	
			<u>Residential</u>	<u>Small Commercial</u>	<u>All Classes</u>	
<u>Basic Meter Services:</u>						
1	Installations	One-time fee	\$57	\$67	\$80	a/
2	Meter Removal	One-time fee	\$10	\$10	\$10	c/
3	Meter/Maintenance/Test/Read	\$/month	\$9	\$12	\$13	b/
<u>Next Day Meter Service:</u>						
4	Installations	One-time fee	\$190	\$194	\$236	
5	Meter Removal	One-time fee	\$10	\$10	\$10	c/
6	Meter/Maintenance/Test/Read	\$/month	\$10	\$12	\$20	
7	Telecommunication Installation	One-time fee	at cost	at cost	at cost	d/
<u>Real-Time Meter Service</u>						
8	Installations	One-time fee	n/a	\$171	\$197	
9	Meter Removal	One-time fee	n/a	\$10	\$10	c/
10	Meter/Maintenance/Test/Read	\$/month	n/a	\$18	\$21	
11	Telecommunication Installation	One-time fee	n/a	at cost	at cost	d,e/
12	Telecommunication Read	S/month	n/a	at cost	at cost	d,e/

- a/ These fees do not apply to New Construction poly-phase customers since these services are a part of the default UDC services provided to these customers.
- b/ These fees do not apply to all customers with single meter electric loads in excess of 500 kW (for more than three months in a 12-month period) since these services are a part of the default UDC services provided to these customers.
- c/ This fee will apply only if a meter removal is required.
- d/ The cost for these optional services will be based on several factors, including, but not limited to, the complexity of the service provided and the number of participants involved.
- e/ These services must be taken in conjunction with one another.

(Continued)

SCHEDULE DA

RATES (continued)

Unbundled Meter Service Fees

Only those customers who (1) receive service under this schedule; (2) are not a Small Customer, as defined in Rule 1, Definitions; and (3) elect not to have a UDC-owned meter, may choose the UDC to provide the unbundled meter services listed below. These fees are in addition to the customer's otherwise applicable default UDC service charges, less an amount for PX charges and bill credits, if applicable. These fees will be assessed to the customer and be part of the customer's UDC charges for Direct Access if the UDC performs any of the meter services listed below pursuant to the customer's service elections. In all other cases, these fees will be assessed to the customer's authorized ESP. In the event that an ESP subsequently requests the UDC to perform ESP meter services, the UDC, at its discretion, may perform any of the services listed below at the prices posted below.

	<u>Units</u>	<u>Single Phase Residential</u>	<u>Single Phase Sm.Comml</u>	<u>Poly Phase All Classes</u>	<u>Notes</u>	
<u>Basic Meter Services</u>						
1	Installations	One-time fee	\$57	\$67	\$80	a,b/
2	Maintenance	\$/hour+parts	\$71	\$71	\$71	
3	Meter Reading	\$/read/month	48¢	48¢	48¢	c/
<u>Next Day Meter Services</u>						
4	Installations	One-time fee	\$190	\$194	\$236	b/
5	Maintenance	\$/hour+parts	\$71	\$71	\$71	
6	Meter Reading	\$/read/month	zero	zero	zero	c/
<u>Real-Time Meter Services</u>						
7	Installations	One-time fee	n/a	\$171	\$197	b/
8	Maintenance	\$/hour+parts	n/a	\$71	\$71	
9	Meter Reading	\$/read/month	n/a	zero	zero	c/
<u>Other Meter Services</u>						
10	Re-Read of ESP Meter	\$ per event	\$28	
11	Postage on a Returned Mtr	\$ per event	at cost	
12	Meter Testing	\$/hour+parts	\$71	
13	Sale of Existing UDC Meter	One-time fee	Higher of cost or market price			d/

- a/ These fees do not apply to New Construction poly-phase customers since these services are a part of the default UDC services provided to these customers.
- b/ There is an additional \$10 per event charge if a meter removal is required prior to installation.
- c/ Basic Meter Service reads are manual reads; Next Day and Real-Time reads are electronic reads.
- d/ At the UDC's discretion.

(Continued)

SCHEDULE DA

RATES (continued)

Other Service Fees

All customers who receive service under this schedule will be subject to the following costs related to the processing of requests for Direct Access. These fees are in addition to the customer's otherwise applicable default UDC service charges, less an amount for PX charges and bill credits, if applicable.

	<u>Units</u>	<u>Apply to</u>	<u>Amount</u>	<u>Notes</u>
<u>Existing Fees</u>				
1 Select a UDC Meter Read Date	One-time fee	Customer	\$15	a/
2	+\$ per month	Customer	\$15	a/
3 Select a Billing Due Date	Annual Charge	Customer	\$15	a/
4	+\$ per month	Customer	1% of bill	a/
5 Late Payment Charge	% of balance	Customer	0.8%	a/
6 Return Payment Charge	\$ per event	Customer	\$8	a/
7 Collections for 1st call	\$ per event	Customer	\$9	a/
8 Collections for field calls after the 1st	\$ per event	Customer	\$15	a/
9 Fee for Reconnection of Service	\$ per event	Customer	\$15	b/
<u>Competitive Fees</u>				
10 Consolidated UDC Billing: (2-page limit per bill)	cents per page	ESP	25¢	
11 Re-Read a Meter	\$ per event	Both	\$28	
<u>Customer Request Fees</u>				
12 Request Duplicate Bill	\$ per event	Customer	\$1	
13 Customer Information Data Base	\$ per event	Customer	n/a	
<u>12-month Customer Specific Usage Data :</u>				
14 Load Profile (2X free; thereafter)	\$ per event	Customer	\$5	
15 IDR Meter (2X free; thereafter)	\$ per event	Customer	\$25	
<u>Exception Fees</u>				
16 Re-Bill UDC Charges	\$ per event	ESP	\$15	
17 Late Payments	% of balance	ESP	1.5%	
18 Return Payment Charge	\$ per event	ESP	\$20	
19 ESP Credit Worthiness Check	\$ per event	ESP	\$500	c/

a/ Rule 9 charges used as proxies to apply to ESPs.

b/ Schedule SE charges used as a proxy for ESPs.

c/ This fee will apply only if an established agency credit rating is not available for the ESP, or if there is a material change in the ESP's credit worthiness.

(Continued)

Advice Ltr. No. 1067-E

Decision No. 97-12-084

Issued by
William L. Reed
Vice President
Regulatory Affairs

Date Filed December 31, 1997
Effective _____

Resolution No. _____



SCHEDULE DA

RATES (continued)

Bill Credits (not applicable until January 1, 1999)

Direct Access customers, who are eligible for ESP meter or billing services, will be eligible for UDC billing credits that reflect the following services not performed by the UDC:

	Residential		Non-Residential	
	Electric-Only	Both Gas & Electric	Electric-Only	Both Gas & Electric
(A) Billing Services				
\$/meter/month				

- (1) Electric-Only Services
- (2) Both Gas & Electric

	Residential	Small Commercial	Large Commercial & Industrial
	(B) Meter Replacement		
\$/meter/month			

- (1) Straight Register, single phase
- (2) Straight Register, poly phase
- (3) TOU or IDR

(C) Meter Services (\$/meter/month)

	Urban Location		Rural Location	
	Electric-Only	Both Gas & Electric	Electric-Only	Both Gas & Electric
(D) Meter Reading Services				
\$/meter/month				

- (1) Electric-Only Services
- (2) Both Gas & Electric

SCHEDULE DA

RATES (continued)

Franchise Fee Differential

A franchise fee differential of 1.9% will be applied to the bills calculated under this schedule for all customers residing within the corporate limits of the City of San Diego. Such franchise fee differential shall be so indicated and added as a separate item to bills rendered to such customers.

Electric Franchise Fee Equivalent Surcharge

Pursuant to Decision 97 -10-87, the UDC will collect franchise fees on the commodity portion (i.e., PX charges) of ESP energy charges. The UDC will impute its own Average PX charges to customers taking service under this schedule and compute a franchise fee equivalent surcharge based on imputed PX charges.

In the event that payment on a customer account for these surcharges becomes more than 90 days delinquent, the UDC shall notify the municipality of the delinquency and provide information on the name and address of the delinquent customer, as well as the amount of the surcharges owed. The UDC shall not be liable for these delinquent surcharges.

Customers who are entities of the State of California, or a political subdivision thereof, shall be exempt from this surcharge.

SPECIAL CONDITIONS

1. Definitions. The definitions of principle terms used in this schedule are found either herein or in Rule 1, Definitions.
2. Service Rules. Service under this schedule is subject to the terms and conditions established in Rule 25, Direct Access Rules.
3. Load Aggregation Rules. Customers may aggregate electric loads for service under this schedule. See Rule 25 for further details.
4. Direct Access Through An ESP. The UDC will address and render service under this schedule through the customer's authorized ESP. The customer may elect to become an ESP and deal directly with the UDC for services provided under this schedule. While an ESP may engage in any number of subcontracting arrangements with other parties to provide Direct Access services, the UDC will work through one ESP per customer meter, or one ESP per master meter, as the single point of contact for Direct Access services.
5. Transportation-Only Services. Service under this schedule provides only for the transportation of electricity across the UDC's electric distribution system to the customer. The customer's authorized ESP, or the customer acting as its own ESP, will be responsible for the purchase and delivery of electricity to designated receipt points as specified by a certified Scheduling Coordinator.

SPECIAL CONDITIONS (CONTINUED)

6. Split Loads Not Allowed. Customers electing service under this schedule may not partition the electric loads of a single meter among electric service options offered by the UDC. The entire load of a single meter must be nominated for service under Default UDC Services, Virtual Direct Access, or Direct Access.
7. Meter and Schedule Availability. Service under this schedule is subject to meter and scheduling availability. For further details, see Rule 25.
8. Required Interval Metering. Direct Access customers who are not classified as Small Customers, as defined in Rule 1, Definitions, will be required to have Interval Metering, as defined in Rule 25. Direct Access customers who have individual service accounts with a maximum demand below 50 kW for nine of the preceding 12 months, and an annual maximum demand, as defined in Rule 1, below 80 kW will be exempt from Interval Metering requirements for at least a full nine months from the start of Direct Access, or until such time as the CPUC permits.
9. Service Fees and Credits. These charges reflect services performed by the UDC that are not a part of the customer's charges for otherwise applicable default UDC services, less an amount for average PX charges. The service fees and credits may change once every six months, provided such a change results in at least a 10% change from the prior adopted fee.
10. Minimum Term of Service. Service under this schedule will have a minimum one-month term of service. Service under this schedule will automatically renew for subsequent one-month periods. The customer must provide the UDC with at least 15 days advance notice of a change in service. The timetable for service change requests are specified in Rule 25.
11. Service Agreement(s). ESPs who provide service to customers shall be required to complete Form 143-01859 (12/97), Energy Service Provider Service Agreement. For service requests under this schedule, the ESP shall complete Form 143-02059 (12/97), Direct Access Service Request. For ESP meter service requests, the ESP shall complete Form 143 -01759 (12/97), Meter Data and Communications Request. The UDC may require the ESP to complete other documents necessary to execute service under this schedule. For a termination of services provided under this schedule, either the customer or the ESP shall complete Form 143 -02159, Termination of Direct Access.
12. Responsibility for Payments. If the UDC provides either consolidated billing services or separately UDC/ESP bills, the customer is ultimately responsible for the payment of UDC charges for services rendered under this schedule. If the ESP provides consolidated billing services, then the ESP is ultimately responsible for the payment of UDC charges to the UDC for services rendered under this schedule. See Rule 25 for further details.
13. Disputed Bills. All disputes between customers and their energy service providers (ESPs) shall be resolved solely by customers and their ESPs, and such disputes shall not be subject to Commission jurisdiction. All disputes between the UDC and customers or between the UDC and ESPs shall be subject to Commission jurisdiction.

RULE 25

DIRECT ACCESS RULES

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RULE 25

DIRECT ACCESS RULES

The following terms and conditions apply to both UDC customers and electric energy service providers who participate in Direct Access. Direct Access shall refer to any end-use UDC customer electing to procure its electricity, and any other CPUC-authorized energy services, directly from energy service providers (ESPs) as defined in Rule 1. ESPs who serve small customer service accounts, as defined in Rule 1, shall be registered with the State of California and meet any certification requirements established by the appropriate State agencies.

A. Customer Service Elections

All UDC customers will acquire their electric power needs under three options. The Hourly PX Rate Option and Direct Access options stated below are effective on the date that the Commission or its delegate declares to be the start of Direct Access.

1. Utility Energy Services - Average PX Pricing (Default UDC Services)

This service preserves traditional UDC electric services, where the UDC performs all energy services for the end-use customer. The UDC will acquire all its electric power requirements from the Power Exchange (PX). All customers who have not chosen to use direct access remain on default UDC services. Customers may choose to return to default UDC services after having elected direct access.

2. Utility Energy Services - Hourly PX Rate Option (Virtual Direct Access)

This service allows customers to purchase electric power from the UDC at the applicable PX price posted each hour. This service requires customers to have in place Interval Metering, as defined in Section B, General Terms, at the customer's expense. For all customers receiving default UDC services, this is a service election that must be requested by the customer.

3. Non-Utility Energy Services (Direct Access)

This service election allows customers to purchase electric power and, at the customer's election, additional energy services from non-UDC entities known as ESPs.

Direct Access customers who are not defined as Small Customers, as defined in Section B, General Terms, will be required to have in place Interval Metering, as defined below, at no expense to the UDC. Pursuant to D. 97-05-039, these customers will be eligible to choose either the UDC or ESP to provide meter services. After 1998, the CPUC will extend meter service elections to remaining customers. Meter service options are described in Sections G and H.

Direct Access customers, who have individual service accounts with a maximum demand between 20 and 50 kW for at least nine of the preceding 12 months, and an annual maximum demand below 80 kW, will be exempt on an interim basis (for at least the full nine months after the start date for Direct Access) from the Interval Metering requirements.

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Issued by _____ Date Filed April 28, 1998

Advice Ltr. No. 1075-E-
A

William L. Reed

Effective _____

Decision No. 97-12-131

Vice President
Regulatory Affairs

Resolution No. _____

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(Continued)

Issued by _____ Date Filed April 28, 1998

Advice Ltr. No. 1075-E-
A

William L. Reed

Effective _____

Decision No. 97-12-131

Vice President
Regulatory Affairs

Resolution No. _____

RULE 25

DIRECT ACCESS RULES

B. General Terms

1. Definitions

The definitions of principal terms used in this rule are found either herein or in Rule 1, Definitions. Unless otherwise stated, all references to "customer" in this rule will refer to UDC customers who have elected Direct Access. Unless otherwise stated, all references to "small commercial customers" in this rule will be defined in Rule 1, Definitions. Unless otherwise stated, all references to "service account" shall refer to individual customer meters. Unless otherwise stated, all references to UDC charges shall include the Trust Transfer Amount (TTA) charges.

The descriptive headings of the various sections of this Agreement have been inserted for convenience of reference only and shall in no way define, modify or restrict any of the terms and provisions thereof.

2. General Obligations of the UDC

a. Non Discrimination

The UDC shall discharge its responsibilities under this tariff in a neutral manner as to providers of all commodities and services which are subject to customer choice. Unless otherwise authorized by the CPUC, the FERC, or the affiliate transactions rules, a UDC shall not:

- (1) Represent that its affiliates or customers of its affiliates will receive any different treatment with regard to the provision of UDC services than other, unaffiliated service providers as a result of affiliation with the UDC; or
- (2) Provide its affiliates, or customers of its affiliates, any preference (including but not limited to terms and conditions, information, pricing or timing) over non-affiliated suppliers or their customers in the provision of UDC services.

b. Requests for UDC Services

A UDC shall process requests for similar UDC services, such as DASRs, in the same manner and within the same period of time for its affiliates and for all other market participants and their respective customers.

c. Timeliness and Due Diligence

Consistent with state law and CPUC decisions, the UDC shall exercise due diligence in meeting its obligations and deadlines under this tariff so as to facilitate customer choice as quickly as possible.

(Continued)

RULE 25

DIRECT ACCESS RULES

B. General Terms (Continued)

2. General Obligations of the UDC (continued)

d. Transmission and Distribution Service

Subject to the terms of the Service Agreement, applicable tariffs and applicable FERC rules and ESP's and customer's compliance with their terms, the UDC will provide transmission and distribution services under applicable tariffs and contracts for delivery of electric power to Direct Access customers.

3. General Obligations of ESPs

a. Timeliness and Due Diligence

ESPs shall exercise due diligence in meeting their obligations and deadlines under this tariff so as to facilitate customer choice as quickly as possible. ESPs shall make all payments owed to the UDC under this tariff in a timely manner subject to applicable payment dispute provisions.

b. Arrangements with ESP Customers

ESPs shall be solely responsible for having appropriate contractual or other arrangements with their customers necessary to implement direct access consistent with all applicable laws, CPUC requirements and this tariff. The UDC shall not be responsible for monitoring, reviewing or enforcing such contracts or arrangements.

c. Scheduling Coordinator

As a requirement of this tariff, ESPs providing electric power shall have one or more Scheduling Coordinators, with no more than one Scheduling Coordinator per service account, for the purpose of reporting all of the ESP's end-use meter readings to the ISO. ESPs shall disclose the identity of these Scheduling Coordinators to the UDC. The UDC shall not be responsible for enforcing requirements applicable to the performance of the Scheduling Coordinators.

4. Transfer of Cost Obligations Between ESPs and Customers

Nothing in this tariff is intended to prevent ESPs and customers from agreeing to reallocate between them any costs for Direct Access services which are designated in this tariff to be paid by either of them.

5. Responsibility for Electric Purchases

ESPs will be responsible for the purchase of their Direct Access customers' electric power needs and the delivery of such purchases to designated receipt points as set forth on the schedules given to the Scheduling Coordinators (SC).

(Continued)

RULE 25

DIRECT ACCESS RULES

B. General Terms (Continued)

6. UDC Not Liable for ESP Services

To the extent the customer takes service from an ESP, the UDC has no obligations to the customer with respect to the services provided by the ESP. The customer must look to the ESP to carry out the responsibilities associated with that service.

7. ESP Not Liable for UDC Services

To the extent the customer takes service from the UDC, an ESP has no obligations to the customer with respect to the services provided by the UDC. The customer must look to the UDC to carry out the responsibilities associated with that service.

8. Load Aggregation for Procuring Electric Power

Customers or ESPs may aggregate individually metered electric loads for procuring electric power only. Load aggregation will not be used to compute UDC charges or for tariff applicability. The right of customers to physically aggregate by combining multiple accounts into a single metered account as permitted under CPUC-approved tariffs is not restricted by this section.

9. Split Loads Not Allowed

Customers requesting Direct Access services may not partition the electric loads of a service account among electric service options or providers. The entire load of a service account must be nominated to only one of the electric service options or providers available to customers.

10. Small Customers

All Small Customers, as defined in Rule 1, Definitions, except for agricultural and lighting customers, are eligible for a 10% reduction in rates effective January 1, 1998. Service accounts of small customers, as defined in Rule 1, are eligible for statistical load profiling effective January 1, 1998. Small customer service accounts will not be eligible for meter services provided by non-UDC parties until January 1, 1999.

For new customers without a history of electric use, the UDC will estimate new meter loads using existing criteria and use these estimates to evaluate the customer's eligibility for unbundled meter services and statistical load profiles.

11. Interval Metering

"Interval Metering" shall refer to the purchase, installation and maintenance of a meter device capable of recording minimum data required. Minimum data requirements include (a) hourly data required for the Direct Access settlement process; or (b) data required to bill UDC distribution tariffs, including any communication systems needed to allow the customer access to meter reading usage data.

(Continued)

RULE 25

DIRECT ACCESS RULES

B. General Terms (Continued)

12. Statistical Load Profiles

The UDC will provide statistical load profiles, in place of Interval Metering, to permit the UDC or ESP to compute the bills for all Direct Access customers who have service accounts that do not require, or are exempt from, Interval Metering as specified above. Except for calculation of CTCs, statistical load profiles will not apply to service accounts where Interval Metering is in place and used for billing. Statistical load profiles will be applied as authorized by the CPUC.

13. Master Metered Customers

Individual master metered customers who provide sub-metered tenant billings, may participate in Direct Access as a single account. A master metered customer may not partition the electric loads of a single master meter among several electric service options or providers. The entire load of a single master meter must receive service under one electric service option and provider.

14. Service Fees and Other Charges

- a. For services for which the CPUC determines there are insufficient providers to ensure customer choice ("Non-Discretionary Services"), service fees shall be established by the UDC based on incremental cost and shall be approved by the CPUC. Once approved, these fees will be included in the appropriate UDC rate schedule.
- b. During the interim period between the start of Direct Access and a CPUC decision approving specific fees for Non-Discretionary Services, the UDC will charge the net incremental costs associated with providing Non-Discretionary services to a memorandum account pending the CPUC's decision regarding service fees. Should the Commission approve such fees, the UDC may seek to collect such fees as a Direct Access implementation charge under Section 376 of the Public Utilities Code.
- c. For services for which there are sufficient providers to ensure customer choice ("Discretionary Services"), service fees shall be established by the UDC via an advice letter effective thirty (30) days following filing of the advice letter and included in the appropriate UDC rate schedule.
- d. The UDC may charge interim fees for the metering and billing services described in this Rule based on the incremental costs associated with providing these services as set forth in the appropriate UDC rate schedule. During the interim period between November 1, 1997 and a CPUC decision regarding such fees, the UDC will track the fees and costs associated with providing these billing and metering services in a one-way memorandum account. If the service fees are approved by the CPUC, and such fees are lower than those included in the appropriate rate schedule, the fees previously charged will be reconciled against the approved fees and subject to refund.

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Advice Ltr. No. 1057-E

Decision No. 97-10-087

Issued by
William L. Reed
Vice President
Regulatory Affairs

Date Filed December 1, 1997

Effective _____

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DIRECT ACCESS RULES

B. General Terms (Continued)

14. Service Fees and Other Charges (Continued)

- e. Service charges approved by the CPUC such as service connection fees, special meter readings etc., and which are contained within or authorized by other tariffs are not affected by this Rule.
- f. Fees for Direct Access services are described in Schedule DA.
- g. The UDC can recover the costs of Direct Access service only once (i.e., any cost recovered under one cost recovery mechanism-- fees, charges, direct access implementation rates or existing rates-- should not also be recovered through another mechanism).

15. CTC Obligations

As a condition of receiving Direct Access service, Direct Access customers will be responsible to pay for all Competition Transition Charges (CTC) and other non-bypassable charges authorized by the CPUC for the UDC to recover from customers in accordance with state law. Direct Access customers are required to confirm this responsibility in writing provided to the ESP, unless the customer is exempt from the requirement to provide such a confirmation in writing pursuant to Public Utilities Code Section 370.

Where the customer disputes its obligations to pay CTC for a particular account, the customer may condition its agreement on resolution of the dispute, provided that the customer has formally requested the CPUC to grant such relief. However, the existence of such a dispute does not relieve the customer from the obligation of paying CTC while the dispute is pending. The UDC will continue to bill the customer (either directly or indirectly through its ESP, depending on the billing option selected) for such charges. The customer must pay all charges, but may pay any amounts in disputes in accordance with Rule 10, pending resolution of the dispute.

16. Franchise Fees And Other Charges

Direct Access customers continue to be responsible to pay all applicable fees, surcharges and taxes as authorized by law. The UDC will bill ESPs for franchise fees as set forth in Public Utilities Code Sections 6350 to 6354, and for fees as set forth in Public Utilities Code Sections 401 to 410. The ESP and UDC will each be responsible for calculating other fees, taxes, and surcharges for their respective services. The billing party will be responsible for billing these charges.

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DIRECT ACCESS RULES

B. General Terms (Continued)

17. Liability In Connection With ESP Services

- a. In this Section, "damages" shall include all losses, harm, costs, and detriment, both direct and consequential, suffered by the customer.
- b. The UDC shall not be liable to the customer and ESP for any damages caused by the UDC's conduct in compliance with, or as permitted by, the UDC's electric rules and tariffs, the ESP/UDC Agreement and associated legal and regulatory requirements related to DA Service.
- c. The UDC shall not be liable to the customer for any damages caused to the customer by any failure by ESP to comply with the UDC's electric rules and tariffs, the ESP/UDC Agreement and associated legal and regulatory requirements related to DA Service.
- d. The CPUC shall have initial jurisdiction to interpret, add, delete or modify any provision of this tariff or the ESP-UDC Service Agreement, and to resolve disputes regarding the UDC's performance of its obligations under the UDC's electric rules and tariffs, the ESP-UDC Service Agreement and requirements related to Direct Access service, including any disputes regarding delays in the implementation of Direct Access.
- e. The UDC shall not be liable to the customer for any damages caused by ESP's failure to perform any commitment to the customer, including, but not limited to the obligation to provide Electric Supply services to the customer. The ESP shall not be liable to the customer for any damages caused by the UDC's failure to perform any commitment to the customer.
- f. An ESP is not the UDC's agent for any purpose. The UDC shall not be liable to the customer for any damages resulting from any acts, omissions, or representations made by ESP in connection with soliciting customers for DA Service or performing any of its functions in rendering DA Service.
- g. A UDC is not the ESP's agent for any purpose. The ESP shall not be liable to the customer for any damages resulting from any acts, omissions, or representations made by the UDC in connection with soliciting customers for DA Service or performing any of its functions in rendering DA Service.

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Advice Ltr. No. 1057-E

Decision No. 97-10-087

Issued by
William L. Reed
Vice President
Regulatory Affairs

Date Filed December 1, 1997

Effective _____

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DIRECT ACCESS RULES

C. Customer Inquiries and Data Accessibility

1. Customer Inquiries

For customers requesting information on Direct Access, the UDC will make available the following information:

- a. Customer information packets, explaining the customer's choices for electric services, and the procedures and forms needed to implement these services.
- b. A list of CPUC-registered ESPs eligible to serve small customers as well as a list of all ESPs with service agreements to do business in the UDC's service territory. The UDC will endeavor to update its lists periodically, but the UDC is under no obligation to assure the accuracy of these lists.

New customers will receive general information concerning their choices for electric services by contacting the UDC.

2. Customer Request To Initiate Service

For customers initiating a request for electric service from the UDC, the UDC shall inform customers of their ability to choose their electric provider and that the information described in Section C.(1) is available. The UDC shall also inform customers of the toll-free number of the Electric Education Call Center so long as it remains in operation.

3. Access to Customer Usage Data

The UDC will provide customer-specific usage data to parties specified by the customer, subject to the following provisions:

- a. Except as provided in Section E, DASRs, the inquiring party must have written authorization from the customer to release such information to the inquiring party only. At the customer's request, this authorization may also indicate if customer information may be released to other parties as specified by the customer.
- b. Subject to customer authorization, the UDC will provide a maximum of the most recent 12 months of customer usage data or the amount of data for that specific service account in a format approved by the CPUC. Customer information will be released to the customer or its authorized agent up to two times per year per service account at no cost to the requesting party. During the period when the commencement of the ISO and PX operations are delayed, this type of information will be provided one additional time and free of charge to the customer or their authorized agent. Thereafter, the UDC will have the ability to assess a processing charge only if approved by the CPUC.
- c. As a one-time requirement at the initiation of Direct Access, the UDC will make available a database containing a 12-month history of customer-specific usage information with geographic and SIC information, but with customer identities

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Issued by William L. Reed Date Filed April 28, 1998

Advice Ltr. No. 1075-E-
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William L. Reed

Effective _____

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Vice President
Regulatory Affairs

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removed. The UDC will have the ability to assess a charge only if approved by the CPUC.

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Issued by _____ Date Filed April 28, 1998

Advice Ltr. No. 1075-E-
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William L. Reed

Effective _____

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Vice President
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C. Customer Inquiries and Data Accessibility

3. Access to Customer Usage Data (continued)

- d. By electing to take Direct Access service from an ESP, the customer consents to the release to the ESP metering information required for billing, settlement and other functions required for the ESP to meet its requirements and 12 months of historical usage data.

4. Customer Inquiries Concerning Billing-Related Issues

Customer inquiries concerning the UDC's charges, services, or the Trust Transfer Amount (TTA) charge should be directed to the UDC. Customer inquiries concerning the ESP's charges or services should be directed to the ESP.

5. Customer Inquiries Related To Emergency Situations And Outages

- a. The UDC will be responsible for responding to all inquiries related to distribution service, emergency system conditions, outages and safety situations. Customers contacting the ESP with such inquiries should be referred directly to the UDC. ESPs performing ESP Consolidated Billing must show the UDC's phone number on their bills for use in emergencies.
- b. It may be necessary for the UDC to shed or curtail customer load at the request of the ISO, or as otherwise provided by Commission tariffs. In such cases, the UDC will give both the affected customer and ESP as much notice as reasonably possible.
- c. The UDC will notify the customer and ESP of planned distribution system outages for maintenance work prior to commencement of such outages if feasible.
- d. The UDC will be responsible for implementing Commission-approved load curtailment programs, including providing notification to participating "non-firm" customers who are the Direct Access customers of the ESP.
- e. The ESP will be responsible for notifying its Scheduling Coordinator of any notice received from the UDC under Section C.4., Customer Inquiries Concerning Billing-Related Issues.

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Advice Ltr. No. 1057-E

Decision No. 97-10-087

Issued by
William L. Reed
Vice President
Regulatory Affairs

Date Filed December 1, 1997

Effective _____

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D. ESP Service Establishment

The ESP must satisfy the following requirements before an ESP can provide Direct Access services in the UDC's service territory:

1. All ESPs must submit an executed standard Energy Service Provider Agreement (UDC-ESP Service Agreement) in the form attached hereto.
2. The ESP must warrant to the UDC that the ESP has registered with the CPUC if it intends to serve small customers and has selected an Independent Verification Agent (IVA) for all transactions for which independent verification is required by law.
3. The ESP must satisfy UDC credit-worthiness requirements as specified in [Section P](#), Credit Requirements.
4. The ESP must satisfy applicable CPUC Electronic Data Exchange requirements, including:
 - a. ESP must complete all necessary electronic interfaces for the ESP and UDC to communicate for DASRs, general communications and if providing Metering and Data Management Agent (MDMA) services, to satisfy meter reading communications including communicating to and from MDMA Servers for sharing of meter reading and usage data.
 - b. The ESP must have the capability to exchange data with the UDC via the Internet. Alternative arrangements may be allowed if mutual agreement is made between the UDC and ESP.
 - c. The ESP must have the capability to perform Electronic Data Interchange (EDI), and enter into appropriate agreements related thereto, if the ESP will be offering either UDC or ESP Consolidated Billing services.
5. If the ESP will be offering Consolidated ESP Billing services, Meter Services or MDMA Services, the ESP must demonstrate the ability to perform the functions required by this Rule. The UDC will continue to provide those services until compliance testing has been completed. The ESP's failure to complete such compliance testing shall not affect its ability to provide electric power to customers.

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Advice Ltr. No. 1057-E

Decision No. 97-10-087

Issued by
William L. Reed
Vice President
Regulatory Affairs

Date Filed December 1, 1997

Effective _____

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E. Direct Access Service Request (DASR)

1. Direct Access Service Requests (DASRs), Form 143-02059 (11/97), must be submitted electronically (unless the UDC has also approved of some alternative means of submittal) to the UDC by the customer's authorized ESP, or the customer if it is acting as its own ESP. The DASR process described herein is used for customer Direct Access elections, customer-initiated returns to default UDC service and ESP-initiated termination of a customer agreement. ESPs must execute the UDC-ESP Service Agreement before submitting DASRs.
2. A separate DASR must be submitted for each service account. Upon request, the UDC will provide timely updates on the status of the DASR processing to the submitting ESP and customer.
3. DASRs must identify the service account participating in Direct Access, including its billing and meter service elections. A DASR that does not contain this information is materially incomplete.
4. DASR forms will be available through electronic means (e.g., the UDC's website).
5. An ESP who is providing meter services must satisfy and specify in the DASR process for each service account, the meter and data communications provisions that are contained on the DASR and related forms.
6. For Small Customers, a DASR shall not be submitted to the UDC until three days after the verification required under Public Utilities Code Section 366.5 has been performed. It is the responsibility of the ESP to ensure that the requests of Small Customers to cancel service pursuant to Public Utilities Code Section 395 are honored.

If a customer cancels an agreement pursuant to Public Utilities Code Section 395, a DASR shall not be submitted for that customer. If a DASR has already been submitted, the submitting party shall, within 24 hours, direct the UDC to cancel the DASR.

7. The UDC will provide an acknowledgment of its receipt of the DASR to the ESP within two (2) working days of its receipt. The UDC will exercise best efforts to provide, within three (3) working days thereafter (and no later than five (5) working days), the ESP and the customer with a DASR status notification informing them as to whether the DASR has been accepted, rejected or deemed pending for further information. As of July, 1998, the UDC will provide this DASR status notification within three (3) working days. If accepted, the switch date determined in accordance with paragraphs 12 or 13 of this section, will be sent to the ESP, the former ESP if applicable, and the customer. If a DASR is rejected, the UDC will provide the reasons for the rejection. If a DASR is held pending further information, it shall be rejected if the DASR is not completed within eleven (11) working days following the status notification.

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Advice Ltr. No. 1057-E

Decision No. 97-10-087

Issued by
William L. Reed
Vice President
Regulatory Affairs

Date Filed December 1, 1997

Effective _____

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E. Direct Access Service Request (DASR) (Continued)

8. In accordance with the provisions of Rule 3, the UDC has the right to deny the ESP's request for service if the information provided by the applicant is false, incomplete, or inaccurate in any material respect.
9. The UDC will begin accepting requests for Direct Access no later than November 9, 1997.
10. If a submitted DASR complies with the DASR requirements, the DASR will be accepted and scheduled for Direct Access implementation.
11. For a specific service account to qualify for priority queues in the processing of Direct Access requests if backlogs are experienced by the UDC, the ESP must warrant to the UDC that at least 50% of its electric power to that customer will come from a state-certified renewable energy resource supplier meeting the requirements of PU Code Section 365(b)(2). In other cases, DASRs shall be handled on a first-come, first-served basis. Each request shall be time-stamped by the UDC. The UDC has no responsibility for verifying the customer's or ESP's compliance with Section 365(b)(2).
12. If more than one DASR is received for a service account within a single DASR processing period (16th of the month until the 15th of the following month), only the first valid DASR received will be processed in that period. All subsequent DASRs will be rejected.
13. Accepted DASRs that do not require a meter change and that are received by the UDC on or before the 15th of the month will be switched over no later than the next month's scheduled meter reading date for that service account.
14. Accepted DASRs that require a meter change by the UDC will be switched over to Direct Access on the date of installation. The UDC will endeavor to complete the meter change request within 15 days after acceptance of the DASR in the absence of a meter installation backlog. The UDC will provide notice of any current meter service backlog or the next available installation date.
15. Accepted DASRs that require a meter change by an ESP will be switched over to Direct Access on the date the meter is installed.
16. A maximum of twelve (12) months of customer usage data, or the amount available for that customer, will be sent from the UDC, or existing ESP currently serving that customer, to the new ESP no later than five (5) days before the scheduled switch date.
17. In the event that the ISO governing board declares an emergency and institutes a moratorium of UDC processing of Direct Access requests, the UDC will comply with such requests and inform ESPs or customers of the details of emergency plans.
18. The UDC, ESP and customer, on mutual agreement, may agree to a different service change date for the service changes requested in a DASR.

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Advice Ltr. No. 1057-E

Decision No. 97-10-087

Issued by
William L. Reed
Vice President
Regulatory Affairs

Date Filed December 1, 1997

Effective _____

Resolution No. _____



An Enova Company

San Diego Gas & Electric Company
San Diego, California

Original Cal. P.U.C. Sheet No. 10538-

Canceling _____ Cal. P.U.C. Sheet No. _____

Sheet 33

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Advice Ltr. No. 1057-E

Decision No. 97-10-087

Issued by
William L. Reed
Vice President
Regulatory Affairs

Date Filed December 1, 1997
Effective _____

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DIRECT ACCESS RULES

E. Direct Access Service Request (DASR) (Continued)

19. A DASR is submitted pursuant to the terms and conditions of the ESP/UDC Agreement and this Rule, and will also be used to define the Direct Access services that the ESP is providing the customer.
20. Customers returning to UDC bundled service will follow the same process and timing as DASRs to establish Direct Access service.
 - a. ESPs requesting to return a Direct Access customer to UDC bundled service will submit a DASR and be responsible for the continued provision of the customer's electric supply service, metering and billing services until the service change date. In this case, the ESP will also be responsible for paying any Commission-approved DASR charge.
 - b. Customer's requesting return to UDC bundled service may do so either by contacting their ESP or directly contacting the UDC. In this latter case, the customer will be responsible for paying any Commission-approved DASR charge.
21. The UDC will have the ability to assess a charge for accepted DASRs only, and only if such a fee is approved by the CPUC. This charge will be billed to the ESP unless the customer is requesting to return to UDC service where the charge will be billed to the customer.
22. Following the removal of system limitations, a customer moving to new premises may retain or start Direct Access immediately, and in any event no later than two days after a DASR has been submitted, provided that the applicable metering requirements have been met. Due to current system limitations, a customer moving to new premises who wants to retain or start Direct Access must have the ESP submit a DASR to the UDC for the new premises no less than 10 business days before the customer's scheduled start date at the new premises. This DASR will need a special "new customer" notation. If the DASR is received after that date or without the notation of "new customer" the customer will receive the UDC's bundled service until the DASR is processed under the procedures set forth in Section E (13), DASRs.
23. Billing options (including designation of a billing agent) and metering options are requested through a submission of a DASR and cannot be changed more frequently than once per billing cycle.
24. The UDC will not hold the ESP responsible for any customer unpaid billing charges prior to the customer's switch to Direct Access. Unpaid billing charges will not delay the processing of DASRs and will remain the customer's responsibility to pay the UDC. The UDC will follow current CPUC credit rules in the event of customer non-payment, which includes the disconnection of service.

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Advice Ltr. No. 1057-E

Decision No. 97-10-087

Issued by
William L. Reed
Vice President
Regulatory Affairs

Date Filed December 1, 1997

Effective _____

Resolution No. _____

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F. Independent Verification

A request for a change in ESPs representing Small Customers shall not be submitted by an ESP until three days after the provisions of Sections 366.5(a) or 366.5(b) of the PU Code have been satisfied. These provisions are not repeated herein.

The UDC may not accept a request from a Small Customer to return to the UDC's provisioning of electric power unless the provisions of PU Code Section 366.5 have been satisfied.

G. Metering Services

1. Definitions

a. Meter Services

Meter services have been proposed to be grouped into three packages for initial DA implementation. These three packages are:

Meter Ownership
Meter Services (Installation, maintenance, and testing)
Meter Data Management Agent (MDMA) Services

These packages are subject to CPUC approval. These package services may be provided by the UDC or an ESP, and the parties may subcontract these services to third parties. An ESP may also subcontract with the UDC for the provision of any component service of any package, and the UDC may provide such service.

b. Interval Meter

Interval meter is defined as a meter capable of reading and storing electric consumption data at specified time intervals of no greater than one hour as required for DA settlement and data required to bill applicable UDC tariffs. Although DA meter data requirements are as defined above, current UDC systems constraints will dictate the 15-minute interval data for all DA customers on January 1, 1998. This limitation is expected to be lifted no later than January 1, 1999. Hourly data may be divided by four so that 15-minute interval data is available. Utilities, ESPs or customers may own or lease interval meters used for billing purposes for direct access services, but shall (if leasing meters) continue to be responsible for the obligations of a meter owner under this Section G. Potential and current transformers shall be considered part of the distribution system and shall remain the responsibility of the UDC.

(Continued)

RULE 25

DIRECT ACCESS RULES

G. Metering Services (Continued)

1. Definitions (continued)

c. Eligible Customers

Customers who have individual service accounts and do not qualify for statistical load profiling must have interval meters prior to receipt of direct access service. ESPs may provide, install, read and service interval meters for any customer other than a Small Customer pursuant to CPUC regulations. For Small Customers, meter services will be unbundled on January 1, 1999, as approved by the CPUC, and all meter services will continue to be provided by the UDCs until that date.

d. Meter Conformity

All meters and meter services must conform to CPUC regulations. To the extent a customer taking DA Service under this tariff elects or is required to return to bundled UDC Service, such customer may continue to use the same meter provided it conforms to CPUC regulations, provided the meter is compatible with current UDC meter reading systems.

2. Meter Specifications

The ESP or UDC, acting as the meter service provider (MSP) will be responsible for ensuring that all the interval meters comply with CPUC meter design specifications. No interval data meter will be set or allowed to remain in service if it is determined that the meter does not or did not meet the CPUC-approved design specifications in place at the time of meter installation.

Either party may test its own meters or those owned by its customers for conformance to CPUC meter performance specifications once such standards have been adopted. Once those standards have been adopted, either party may request the other party to test its meter. The requesting party will receive notification of the test date, and written test results from the other party. The requesting party will also have the right to witness the testing. If the meter is found to be within CPUC approved standards, the requesting party shall pay the other party for all expenses related to the test.

If a manufacturer's sealed meter has not previously been set, and the meter was tested within the last year and found to comply with CPUC specifications, the meter shall be deemed in compliance with CPUC specifications without additional testing. Subsequent to initial installations each meter must be tested for accuracy prior to being used again. All parties will be subject to CPUC-approved testing specifications as recommended in the MDCS workshop. Records on testing shall be provided within five (5) working days of a request to either party.

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Advice Ltr. No. 1057-E

Decision No. 97-10-087

Issued by
William L. Reed
Vice President
Regulatory Affairs

Date Filed December 1, 1997

Effective _____

Resolution No. _____

RULE 25

DIRECT ACCESS RULES

G. Metering Services (Continued)

3. Installation

When the MSP installs a meter for a direct access customer, the meter installer must be CPUC certified to perform meter installation. The MSP will install all Interval Meters in compliance with CPUC performance specifications. Within three (3) working days of installation, the MSP will provide the non-MSP (i.e., the ESP or the UDC as the case may be) with the results of the initial meter calibration test, the ending reading for the meter which was removed (if applicable), the starting reading for the new meter, and information on meter identification, voltage, meter constants and other parameters required under CPUC-approved standards. The UDC's must receive a copy of the MDCR (Meter and Data Communications Request) worksheet at least five working days prior to the meter set. Joint meets will be required between the UDC and an ESP for the first 50 installations completed by the ESP, but not thereafter, providing the installations meet CPUC-approved standards. Also, joint meets will be required for the existing UDC's interval data recorder (IDR) meters if the ESP is unable to obtain the final meter reading. The UDCs reserve the right to waive the joint meet.

When the UDC has reason to believe an ESP installation does not satisfy CPUC-approved standards, the UDC retains the right to perform on-site inspections subsequent to initial meter installations. The ESP shall be charged the costs of these subsequent inspections only to the extent approved by the CPUC and only if the inspections uncover any material noncompliance with CPUC-approved standards.

The customer may elect to have the ESP or UDC remove an existing meter at the customer's premises. Except as provided in Section G.1.d. above, the UDC will not require removal of a meter meeting CPUC required specifications as a condition of a customer's return to bundled UDC service. The UDC and ESP will coordinate the removal and installation of the new meter.

The MSP shall return any meter it removes to the owner in the same condition that the meter was in prior to removal within five (5) working days, or such other time as may be mutually agreed upon.

Where telephone lines are required for the utility to read the meter, installation of such lines is the responsibility of the customer. Such installation must be completed before the utility can schedule the meter installation work.

Prior to the initiation of a Commission program to certify meter installers, the ESP acting as a MSP may utilize meter installers that are agreeable both to the UDC and the ESP. In case of such an agreement, the ESP and the UDC shall notify the Commission of their agreement and the qualifications of the agreed upon meter installers.

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Advice Ltr. No. 1057-E

Decision No. 97-10-087

Issued by
William L. Reed
Vice President
Regulatory Affairs

Date Filed December 1, 1997

Effective _____

Resolution No. _____

RULE 25

DIRECT ACCESS RULES

G. Metering Services (Continued)

4. Meter Calibration and Testing

Either party may test its own meters or those owned by its customers for conformance to CPUC meter performance specifications. Either party may request the other party to test its meter. The party whose meter has been requested to be tested by the other party may require a \$50 deposit prior to such testing. The requesting party has the right to witness the testing. The requesting party will receive notification of the test date and written test results from the other party. If the meter is found to be within CPUC-approved standards, the requesting party shall pay the other party for all expenses related to the test.

The MSP shall be responsible for ensuring that all Interval Meters are calibrated in accordance with CPUC performance specifications. Records of calibrations will be provided to the appropriate parties within five (5) working days of a request to the other party.

5. Testing of Meter Functions

The MSP will ensure that all meters used for billing purposes are functioning in conformance with CPUC regulations.

Records of meter function tests will be provided to the appropriate parties within five (5) working days of the request.

6. Regular Meter Maintenance And Testing

The MSP, for all meters used for billing purposes, is responsible for the routine maintenance of the meter, including, but not limited to, testing and record keeping, in accordance with CPUC regulations.

7. MDMA Services

Meter Data and Management Agent (MDMA) services will be performed in accordance with CPUC regulations and will be the responsibility of the party so indicated in the customer's DASR. MDMA obligations include but are not limited to the following:

- a. Meter data for DA Customers shall be read, validated, edited, and transferred pursuant to Commission-approved standards.
- b. Regardless of whether ESP or UDC perform MDMA services both UDC and ESP shall have access to the MDMA server.
- c. The MDMA shall provide Scheduling Coordinators (or their designated agents) reasonable and timely access to Meter Data as required to allow the proper performance of billing, settlement, scheduling, forecasting and other functions.

(Continued)

RULE 25

DIRECT ACCESS RULES

G. Metering Services (Continued)

7. MDMA Services (continued)

- d. The MDMA is required to keep the most recent 12 months of Customer consumption data for each DA Customer. Such data must be retained for a period of 36 months. Such data must be released on request to the customer or, if authorized by the customer, to any ESP or to the UDC.
- e. Within five days after installation of the meter, the MDMA must confirm that the meter and meter reading system is working properly and that the billing data gathered is valid.
- f. Either no more than 10 per cent (10%) of service accounts will contain estimated data, or no more than one percent (1%) of all data will be estimated.

8. Failure to Comply With CPUC Requirements For Meters or Meter Services

- a. Failure is defined as the circumstance wherein the apparent absence of appropriate usage data or testing, conducted by either party or a third party, reveals non-conformance with any applicable CPUC regulation governing meters or meter and MDMA services.
- b. Upon the occurrence of undisputed failure, the party responsible for the non-complying meter or MDMA service must make corrections within three (3) calendar days.
- c. Failure to make corrections within three (3) calendar days will result in the following sequential series of actions and penalties:
 - (1) Whichever party is not the party responsible for the non-conformance may cure the defect at the other party's expense.
 - (2) Upon a demonstrated pattern of non-conformance as defined below and failure to timely cure, the party not responsible for the non-conformance may give written notice of such non-conformance, and, after five (5) days, provide all meters and meter services required by the customer as determined by the DASR or as required to receive UDC bundled service.
 - (3) Demonstrated pattern of non-conformance by an ESP is defined as more than one percent (1%) of the service accounts served by an ESP, or five (5) accounts, whichever is greater, are found to be non-conforming and are not cured during the first six months of Direct Access participation; more than one half of one percent (0.5%), or three (3) accounts, whichever is greater, are found to be non-conforming and are not cured during any six consecutive months thereafter.

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Advice Ltr. No. 1067-E

Decision No. 97-12-048

Issued by
William L. Reed
Vice President
Regulatory Affairs

Date Filed December 31, 1997

Effective _____

Resolution No. _____

RULE 25

DIRECT ACCESS RULES

G. Metering Services (Continued)

8. Failure to Comply With CPUC Requirements For Meters or Meter Services (Continued)

d. A UDC may refuse to enter into a new ESP-UDC Service Agreement with any ESP which has a demonstrated pattern of non-compliance and has failed to cure as provided in Section G.8.c. above for a period of no more than six (6) months from the date of such a determination as defined herein. This provision shall not apply where the alleged demonstrated pattern of non-compliance and failure to cure is disputed and such dispute is pending before any agency or entity with jurisdiction to resolve the dispute.

e. Whenever the ESP or the UDC becomes aware of any non-conforming meters or errors in the provision of meter services affecting billing, it shall promptly notify the customer and one another. Bills found to be in error due to non-conforming meters or errors in meter services may be corrected as follows:

(1) If either the UDC or the ESP is providing consolidated billing, either of them may adjust their charges pursuant to CPUC-approved rules, if any, if such charges are affected by any non-conforming meters or erroneous meter service. In such circumstances the party providing the consolidating billing service shall cooperate with the other party to correct billing errors. The UDC will notify the affected Scheduling Coordinator.

(2) If the customer is being billed under separate UDC/ESP billing, the ESP and UDC shall be separately responsible for correcting billing errors in accordance with applicable CPUC rules.

9. Charges for Metering Services

a. The UDC may charge the customer or the ESP for the provision of metering services only to the extent such charges are authorized by the CPUC. The installation of interval metering shall be at the customer's expense.

H. UDC Meter Service Options & Obligations

1. For Direct Access customers who acquire Interval Metering, the customer may elect from the UDC three grouped meter service options as described in Section G.1.a. The three groupings are-- the UDC will own the meter; the UDC will perform the meter installation, maintenance, and testing; and, the UDC will perform the meter reading services. The scope and costs of these groupings listed in Section G.1.a. will vary by UDC and will be approved by the CPUC, and will be provided in a separate schedule (Schedule DA). The UDCs shall offer at a minimum a tariffed service for each grouping listed in G.1.a.

(Continued)

RULE 25

DIRECT ACCESS RULES

H. UDC Meter Service Options & Obligations (Continued)

2. As an alternative to (1), ESPs may subcontract to the UDCs for any combination of the following unbundled meter services:
 - a. Meters supplied by the UDC.
 - b. Meter installations, testing, and maintenance.
 - c. Meter Data Management Agent (MDMA) Services

These unbundled meter services may vary by UDC and all services will be approved by the CPUC.

3. If the UDC installs the meter, the meter will be installed according to the implementation schedule for Valid DASRs as set forth in Section E Direct Access Service Requests.
4. The UDC reserves the right to extend its normal installation period due to meter and installation personnel availability. Under these circumstances, the UDC shall apprise the customer of the specific reasons for the delay and the anticipated schedule for installation. The UDC shall work with the customer to find mutually agreed upon alternatives to provide metering and to expedite meter installations, if necessary. Such alternatives may include, but not be limited to, allowing the customer to have the meter installed by a non-UDC supplier.
5. If the UDC provides meter maintenance services only, the UDC will be responsible for the accuracy, calibration, and other maintenance needs for the meter. UDC standards for meter maintenance will conform to the existing rules on such activities for all UDC customers. Under this specific itemized service, the UDC will not be responsible for replacing a non-UDC meter. Upon request and for a fee, the UDC may replace a faulty meter.
6. The MDMA shall read interval meters on the utility's scheduled meter reading date, or on such other date as may be mutually determined by the MDMA and the utility. At the customer's request the customer or the customer's ESP may elect a different meter reading date. The utility may provide this service at its option on a first-come, first served basis (by geographic area as appropriate), subject to existing resource, capacity, and other system constraints which may exist in the geographic area where the customer is located. The utility may assess a charge for this election only to the extent approved by the CPUC.
7. Upon the customer's request, the UDC will make available to the customer, or the customer's ESP, the data obtained from the meter in a timely manner, as agreed to between the customer and the UDC.
8. ESPs must provide the UDC with a notice (by any means acceptable to the UDC) to change their meter service election. Election changes will occur through the DASR process as specified in Section E.

(Continued)

Advice Ltr. No. 1057-E

Decision No. 97-10-087

Issued by
William L. Reed
Vice President
Regulatory Affairs

Date Filed December 1, 1997

Effective _____

Resolution No. _____

RULE 25

DIRECT ACCESS RULES

I. General Terms and Conditions for Direct Access Meters and Metering Services

1. As set forth in Section H, customers with loads in excess of 20 kW must have interval meters to receive direct access services. Customers with individual service accounts between 20 and 50 kW for at least nine of the preceding 12 months, and an annual maximum demand of 80 kW, will be exempt on an interim basis (for at least the full nine months after the start date for Direct Access) from the requirement of an interval meter as a condition for receipt of direct access.
2. The UDCs will require that an ESP or ESP's meter operator install a unique meter number on each meter. This meter number is required to insure proper meter identification for billing and field personnel. The UDCs will supply each ESP with a set of unique meter numbers to be installed on the ESP/customer/third party meter. This requirement may be superseded once a statewide numbering system is developed.

J. Meter Reading Data Obligations

1. Accuracy For All Meters

- a. Meter clocks will be maintained by Pacific Standard Time within +/- three minutes of the National Time Standard.
- b. Usage data will be accurate unless otherwise indicated. Data known to be inaccurate or missing will be estimated and flagged as estimated.
- c. Either no more than 10 per cent (10%) of service accounts will contain estimated data, or no more than one percent (1%) of all data will be estimated.
- d. All meter reading data will be validated following CPUC-approved requirements.
- e. The MDMA will provide an infrastructure that supports retrieval of all data currently available to a MDMA client within a two-hour window.

2. Timeliness For Validated Meter Reading Data

The following standards shall be used to establish the time requirements for posting validated meter reading data on the MDMA server.

a. Interval Meters :

- (1) 80% of all usage data must be available on the first day after the scheduled reading date of the meter.
- (2) 90% of all usage data must be available within two days of the scheduled reading date of the meter.

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Issued by _____ Date Filed April 28, 1998

Advice Ltr. No. 1075-E-
A

William L. Reed

Effective _____

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Vice President
Regulatory Affairs

Resolution No. _____

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- (3) 99.99% of all usage data must be available within five days of the scheduled reading date of the meter.

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Issued by _____ Date Filed April 28, 1998

Advice Ltr. No. 1075-E-
A

William L. Reed

Effective _____

Decision No. 97-12-131

Vice President
Regulatory Affairs

Resolution No. _____

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DIRECT ACCESS RULES

J. Meter Reading Data Obligations (Continued)

2. Timeliness For Validated Meter Reading Data (Continued)

(b) Non-Interval (Monthly) Data :

- (1) 85% of all monthly meter readings must be available by 6:00 a.m. on the 1st working day after the scheduled meter reading date.
- (2) 95% must be available by 6:00 a.m. on the 2nd working day after the scheduled meter reading date.
- (3) 99.99% must be available by 6:00 a.m. on the 5th working day after the scheduled meter reading date.

3. Retention and Format For Meter Reading Data

- a. Meter reading data will remain posted on the MDMA server for 3 days and will be recoverable for at least 3 years.
- b. Meter reading data posted to the MDMA server will be stored in the MDMA data exchange format as approved by the CPUC.

K. Billing Service Options and Obligations

1. Introduction

An ESP has the right to select from four billing service options: (1) Consolidated UDC Billing, (2) Partial Consolidated ESP Billing, (3) Full Consolidated ESP Billing (requires the UDC's approval and consent), or (4) Separate UDC/ESP Bills. In the absence of an ESP's election of one of the four billing service options described below, option (4), Separate UDC/ESP Bills, will be the default billing service option.

In addition, this section states the UDC and ESP obligations for billing information and legal and safety notices in Section K.6; billing adjustment for meter and billing errors in Section K.7.; and unauthorized energy use in Section K.8.

2. Consolidated UDC Billing

a. Description

The customer's authorized ESP will send its bill to the UDC. The UDC will in turn send a consolidated bill, containing both the UDC and ESP charges, to the customer.

(Continued)

RULE 25

DIRECT ACCESS RULES

K. Billing Service Options and Obligations (Continued)

2. Consolidated UDC Billing (Continued)

b. UDC Obligations

- (1) The UDC will calculate the UDC charges and send the bill either by mail or electronic means to the customer. The UDC will include ESP charges on the bill. The UDC is not responsible for computing or determining the accuracy of the ESP charges on the bill.
- (2) The UDC bill will include a summary of ESP charges and may provide any billing-related details of ESP charges, including the ESP's telephone number. The ESP bill may be printed with the UDC bill, or electronically transmitted exactly as provided by the ESP.
- (3) The UDC will process customer payments and transfer amounts paid toward ESP charges to the ESP when the payments are received as specified in Section M., Late and Partial Payments and Unpaid Bills.

c. ESP Obligations

- (1) The ESP may offer consolidated billing services to Direct Access customers they serve once that billing service arrangement has been selected in the UDC-ESP Service Agreement.
- (2) The ESP will submit the necessary billing information to facilitate billing services under this billing option according to the UDC's billing schedule and by service account.
- (3) The ESP will provide the UDC with a summary of ESP charges by electronic transmittal or other means acceptable to the UDC. The ESP may provide billing-related details of ESP charges on a separate page which will be included in the consolidated bill if transmitted with the summary charge. ESP charges which are not transmitted as required will not be included in the consolidated bill.

d. Timing Requirements

- (1) Bills under this option will be rendered once a month. Nothing contained in this Section shall limit the UDC's ability to render bills more frequently consistent with the UDC's existing practices. However, ESP charges will only need to be calculated based on monthly billing periods.
- (2) Except as provided in paragraph (d)(1) above, the UDC will require that ESP and UDC charges be based on the same billing period data to avoid any confusion concerning these charges.

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Advice Ltr. No. 1057-E

Decision No. 97-10-087

Issued by
William L. Reed
Vice President
Regulatory Affairs

Date Filed December 1, 1997

Effective _____

Resolution No. _____

RULE 25

DIRECT ACCESS RULES

K. Billing Service Options and Obligations (Continued)

2. Consolidated UDC Billing (continued)

d. Timing Requirements

- (3) ESP charges must be received by the UDC the day following the UDC's scheduled meter reading date according to the provisions in Section J., Meter Reading Data Obligations. If billing charges have not been received from the ESP by this date, the UDC will render the bill for UDC charges only, without ESP charges. The ESP must wait until the next billing cycle, or send a separate bill to the customer for ESP charges.

3. Partial Consolidated ESP Billing

a. Description

The UDC will calculate and send its bill to the ESP. The ESP will send a consolidated bill to the customer. The ESP will be obligated to provide to the customer detailed UDC charges to the extent that the ESP receives such detail from the UDC. The ESP is not responsible for the accuracy of UDC charges.

b. UDC Obligations

- (1) The UDC will calculate all UDC charges once a month and convey these charges to the ESP to be included on the ESP consolidated bill or otherwise provided to the customer pursuant to section (c)(5), below.
- (2) The UDC will provide the ESP with a summary of UDC charges by electronic transmittal or other means which enables the ESP to prepare the customer's bill in a timely manner, although the ESP may bill the customer on any interval agreeable to the customer. The UDC may provide billing-related details of UDC charges on a separate page which will be provided to the customer. UDC charges which are not transmitted to the ESP as required will not be included in the consolidated bill.
- (3) UDC charges will be calculated based on existing UDC billing cycles regardless of which party provides the meter reading. UDC charges will be conveyed to the ESP electronically or by other means acceptable to the ESP and UDC.

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Advice Ltr. No. 1057-E

Decision No. 97-10-087

Issued by
William L. Reed
Vice President
Regulatory Affairs

Date Filed December 1, 1997
Effective _____

Resolution No. _____

RULE 25

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K. Billing Service Options and Obligations (Continued)

3. Partial Consolidated ESP Billing (continued)

c. ESP Obligations

- (1) The ESP may offer consolidated billing services to Direct Access customers they serve once a billing service arrangement has been signed and included in the UDC-ESP Service Agreement.
- (2) The ESP bill will include a summary of UDC charges and may provide any billing-related details of UDC charges, either on the consolidated bill or pursuant to section (5), below. The UDC bill may be printed separately with the ESP bill or electronically transmitted.
- (3) The ESP will prepare the bill and include both ESP and, subject to section (5) below, UDC charges. In addition, the ESP will process customer payments and handle its own collections responsibilities. Under this billing option, ESPs must pay all undisputed UDC charges due to the UDC regardless of whether the customer has paid the ESP. The ESP must include all UDC charges on the ESP consolidated bill.
- (4) The ESP has no obligations regarding the accuracy of UDC charges calculated by the UDC or for related disputes. Disputed charges will be handled according to CPUC procedures.
- (5) Subject to the limitations of this section and with the written consent of the customer, the ESP may offer customers customized billing cycles or payment plans which permit the customer to pay the ESP for UDC charges in different amounts for any given billing period than the UDC charges to the ESP for that period. Such plans will not, however, affect in any manner the obligation of the ESP to pay the UDC charges to the UDC as billed by the UDC. Further, such plans must ensure that the charges as billed by the UDC are provided to the customer as soon as practicable and that the customer's payment of UDC charges is adjusted such that over a reasonable time, which shall not exceed one year, the customer pays no more than the UDC charges as billed by the UDC. Upon request, the ESP shall identify to the UDC any service accounts with such customized billing arrangements and provide a summary description of the arrangement as it pertains to the UDC charges.

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Advice Ltr. No. 1057-E

Decision No. 97-10-087

Issued by
William L. Reed
Vice President
Regulatory Affairs

Date Filed December 1, 1997

Effective _____

Resolution No. _____

RULE 25

DIRECT ACCESS RULES

K. Billing Service Options and Obligations (Continued)

3. Partial Consolidated ESP Billing (continued)

d. Timing Requirements

- (1) ESPs may render bills more or less frequently than once a month. However, the UDC will continue to bill the ESP each billing cycle period for the amounts due by the customer for that billing month, provided that with the ESP's approval, the UDC may bill the ESP more frequently consistent with the UDC's existing practices.
- (2) The UDC will convey the billing information by service account to the ESP the day following the UDC's schedule meter reading date according to provisions in Section J., Metering Reading Data Obligations. Meter reading data will be required on the same schedule as existing UDC billing cycles. If the UDC fails to provide the UDC charges to the ESP by this date, the ESP may render the bill without the UDC charges included, and the UDC will either wait until the next billing period or send a separate bill to the customer for those charges.
- (3) The ESP is not required to estimate UDC charges if charges are not received nor to delay the ESP billing.

4. Full Consolidated ESP Billing

a. Description

Subject to the UDC's approval and consent, the ESP will read the meter, calculate both the UDC and ESP charges and bill the customer. The ESP will detail the UDC charges in conformance with the UDC specifications. The ESP is responsible for the accuracy of the UDC charges. This option is applicable for all customer accounts for which the ESP reads the meter.

b. UDC Obligations

The UDC will approve and consent to the provision of this Full ESP Consolidated billing for any ESP which demonstrates the capability to replicate UDC charges, to the satisfaction of the UDC. The UDC will provide the ESP with the billing factors and procedures necessary for the ESP to calculate the UDC charges. The UDC charges will be calculated based on the ESP's meter reading and billing schedules.

c. ESP Obligations

- (1) The ESP may perform Full ESP Billing services for Direct Access customers they serve once the billing service arrangement has been signed and included in the UDC-ESP Service Agreement.

(Continued)

RULE 25

DIRECT ACCESS RULES

K. Billing Service Options and Obligations (Continued)

4. Full Consolidated ESP Billing (Continued)

c. ESP Obligations (Continued)

- (2) The ESP will calculate the UDC charges in accordance with approved tariffs and UDC specifications. The ESP bill will include a summary of UDC charges including any billing-related details of UDC charges and CTCs. The UDC bill may be printed separately with the ESP bill or electronically transmitted to the customer. The ESP will furnish the UDC a report detailing the UDC portion of the ESP's bill in paper or electronic form.
- (3) The ESP will prepare the bill and include both ESP and UDC charges, process customer payments, and handle its own collection responsibilities. Under this option the ESP must pay all undisputed UDC charges to the UDC regardless of whether the customer has paid the ESP. The ESP must include all UDC charges on the ESP Full Service bill.

d. Timing Requirements

- (1) ESPs may render bills more or less frequently than once a month. However, the amounts due the UDC will be remitted monthly.
- (2) The ESP will convey the amounts due by service account to the UDC according to provisions in Section J., Meter Reading Data Obligations. The ESP's meter reading schedule may result in a change in the UDC's billing schedule. If necessary, a pro rated bill may be required to conform the customer's payments to the new schedule.
- (3) The ESP is responsible for correctly calculating UDC charges. If underpayments are the result of ESP errors, the ESP is responsible for paying applicable late charges on the underpayment amounts.

5. Separate UDC/ESP Bills

a. Description

The UDC and the ESP will separately send their bills directly to the customer.

b. UDC Obligations

- (1) The UDC will calculate UDC charges, prepare the UDC bill, and send the UDC bill to the customer by electronic or other means. The billing method is the sole responsibility of the UDC and its customers.

(Continued)

RULE 25

DIRECT ACCESS RULES

K. Billing Service Options and Obligations (Continued)

5. Separate UDC/ESP Bills (Continued)

b. UDC Obligations (Continued)

- (2) The UDC does not have any obligations regarding the accuracy of ESP charges or related payment disputes. Accurate and timely meter reading data must be shared between the ESP and UDC.

c. ESP Obligations

- (1) The ESP will calculate the ESP charges, prepare the ESP bill, and send the ESP bill to the customer by electronic or other means. The billing method is completely independent of the billing method selected by the UDC.
- (2) The ESP has no obligations regarding accuracy of UDC charges or related payment disputes. Accurate and timely meter reading data must be shared between the ESP and the UDC.

d. Timing

Meter reading data is required by the UDC on the scheduled meter reading date which conforms to existing UDC billing cycles under this billing option.

6. Billing Information and Inserts

a. Identify UDC and ESP Charges

The UDC bill, at a minimum, will identify UDC charges as specified by the CPUC or its codes. If the customer elects the consolidated UDC billing option, the UDC bill will identify, at a minimum, two sets of charges: one for UDC services and another for ESP energy services. The UDC will provide bills and notices both electronically or manually, depending upon the UDC's agreement with the ESP.

b. Required Legal and Safety Notices

All UDC customers, including Direct Access customers, will receive mandated legal and safety notices, and the UDC will be responsible for the creation of these notices. If the ESP is providing consolidated billing services, the UDC will make available these notices to the ESP for distribution to the customer or, at the ESP's request, in electronic format to the ESP for production and communication to electronically-billed customers. Among the mandated notices that the UDC shall make available to the ESP is the same language regarding customer rights stated on the back of the utility's Bill Form (Form 110-432). These rights include Disputed Bills, Late Payment Charge, and Rates & Rules.

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DIRECT ACCESS RULES

K. Billing Service Options and Obligations (Continued)

6. Billing Information and Inserts (Continued)

c. UDC Obligations under Consolidated UDC Billing

The UDC will design, print and insert these notices in mailed consolidated UDC bills. The UDC may also enclose UDC-related bill inserts in consolidated UDC billing as permitted by CPUC regulations.

d. ESP Obligations under Consolidated UDC Billing

The ESP may include any information directly related to the calculation or understanding of ESP charges directly in the bill but may not include any text on the separate detail page which is not specifically related to the charges or their explanation.

e. UDC Obligations under Consolidated ESP Billing

The UDC will design, print and deliver mandated safety and legal notices to the ESP in standard size if the ESP renders bills by mail. If the ESP renders bills electronically, the UDC will either provide the printed version or electronically transmit these notices to the ESP for communication to electronically-billed customers at the ESP's option.

f. ESP Obligations under Consolidated ESP Billing

The ESP will be required to inform their billing customers of any mandated legal and safety notices when billed by mail. At its discretion, the ESP may request the UDC to provide a separate mailing of such notices at a cost, specified in Schedule DA. For electronically-billed customers, the ESP may transmit such notices by mail or electronically at its option.

g. UDC Obligations under Separate UDC/ESP Bills

The UDC will continue to mail mandated safety and legal notices in the billing envelope and may use the billing envelope as it does in current practice for providing information to all UDC customers, including Direct Access customers, equally.

h. ESP Obligations under Separate UDC/ESP Bills

The ESP has no obligation for UDC-mandated safety and legal notices under this option.

(Continued)

Advice Ltr. No. 1057-E

Decision No. 97-10-087

Issued by
William L. Reed
Vice President
Regulatory Affairs

Date Filed December 1, 1997

Effective _____

Resolution No. _____

RULE 25

DIRECT ACCESS RULES

K. Billing Service Options and Obligations (Continued)

7. Billing Adjustments for Meter Error and Billing Error

a. Adjustment of Bills for Meter Error

Meter error is the incorrect registration of the customer's electrical usage resulting from a malfunctioning or defective meter. Meter error can result from a fast meter, a slow meter, or a non-registering meter. Meter error is defined in Rule 18, Meter Tests and Adjustment of Bills.

(1) Consolidated UDC Bill

If the UDC is providing Consolidated UDC Billing for a Direct Access Service Account affected by meter error, the UDC will adjust the bill for the Service Account, calculated as provided in Rule 18, to the extent those charges were affected by the meter error.

(2) Consolidated ESP Bill

(a) If an ESP is providing Consolidated ESP Billing for a Direct Access Service Account affected by meter error, the UDC will transmit adjusted UDC and TTA Charges, calculated as provided in the Rule 18, to the ESP. The customer will be solely responsible for obtaining refunds of ESP electric power overcharges attributable to a fast meter from its current and prior ESPs, as appropriate.

(b) Within fifteen (15) days after UDC transmits the adjusted charges for a slow or non-registering meter, the ESP may either:

Pay utility the adjusted charges in accordance with the ESP Service Agreement, and assume responsibility for issuing a bill reflecting the adjusted charges to, and collecting the adjusted charges from, the DA Customer, or

Submit a DASR to the UDC to change the affected DA Service Account to the separate UDC/ESP Billing option. After approval of the DASR requesting such change, the UDC will have the responsibility for issuing an adjusted bill to the Customer and collecting amounts owing from the Customer in accordance with this rule and the UDC's Rule 18.

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Advice Ltr. No. 1057-E

Decision No. 97-10-087

Issued by
William L. Reed
Vice President
Regulatory Affairs

Date Filed December 1, 1997

Effective _____

Resolution No. _____

RULE 25

DIRECT ACCESS RULES

K. Billing Service Options and Obligations (Continued)

7. Billing Adjustments for Meter Error and Billing Error (continued)

a. Adjustment of Bills for Meter Error (continued)

(3) Separate UDC/ESP Billing

The UDC will adjust its bill for meter error pursuant to Rule 18 for UDC and TTA charges. The customer will be solely responsible for obtaining refunds of both current and prior ESP electric power overcharges attributable to a fast meter from its current and prior ESPs, as appropriate.

b. Adjustment of Bills for Billing Error

(1) Billing error is defined in Rule 18, Meter Tests and Adjustment of Bills.

(2) A customer shall not be entitled to a credit adjustment for a billing error involving the failure of the ESP and/or the customer to notify the UDC of changes in the customer's connected load, equipment or operation, or failure of the ESP or customer to take advantage of any noticed rate option or condition of service for which the customer becomes eligible subsequent to the date of application for Direct Access service.

(3) The UDC will adjust its bills under the Separate UDC/ESP or Consolidated UDC Billing options for billing error pursuant to Rule 18. The UDC will adjust its bill to the ESP under the Consolidated ESP Billing option for billing error pursuant to Rule 18 for UDC and TTA Charges. Within fifteen (15) days of the adjusted bill's transmittal by the UDC, the ESP may either assume responsibility for the adjusted charges or submit a DASR to change the affected Service Account to the separate billing option.

(Continued)

RULE 25

DIRECT ACCESS RULES

K. Billing Service Options and Obligations (Continued)

8. Unauthorized Usage of Energy

- a. Unauthorized energy use is defined in Rule 18, Meter Tests and Adjustment of Bills.
- b. Once evidence of unauthorized energy use is detected, the investigations of unauthorized use of energy may be conducted by the UDC in accordance with Rule 18 regardless of ownership of the meter or provision of billing or metering services. Customers, ESPs, and their agents are required to immediately report and preserve evidence, in accordance with applicable State law, of any unauthorized use and to cooperate in such investigations.
- c. Once evidence of unauthorized use by an end-use customer has been detected, the UDC shall notify the ESP, who in turn shall remedy the situation, or electric service to end-user shall be terminated in accordance with paragraph (g) below. Once evidence of unauthorized use by an ESP has been detected, the UDC may terminate provisioning of services to the ESP in accordance with paragraph (g) below.
- d. At the conclusion of its investigation, if the UDC determines there has been unauthorized use, the UDC shall have the legal right to recover, from any customer, ESP, or other person who caused or benefited from such unauthorized use, the total estimated amount of the undercharge, including the Direct Access electric power component, for the full period of such unauthorized use. The utility will calculate the amount of the undercharges in accordance with Rule 18 and as otherwise provided by law.
- e. The UDC will issue adjusted bills for unauthorized use (including but not limited to all the costs and charges referenced in this Section) to the customer in accordance with Rule 18 (or to the ESP in the case of Consolidated ESP Billing).
- f. Whenever possible, upon completion of the UDC's investigation, the Customer, ESP, or other person being billed for an unauthorized use adjustment will be advised of the UDC's claim. The Customer, ESP, or other person being billed will be given an opportunity to respond to the claim.
- g. The UDC retains its right to collect from the ESP, the customer, or other persons causing or benefiting from unauthorized use associated costs resulting from the unauthorized use as provided in Rule 18, or otherwise allowed by law.

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Advice Ltr. No. 1057-E

Decision No. 97-10-087

Issued by
William L. Reed
Vice President
Regulatory Affairs

Date Filed December 1, 1997
Effective _____

Resolution No. _____

RULE 25

DIRECT ACCESS RULES

L. Payment and Collection Terms

1. Under Consolidated UDC Billing

- a. The UDC will prefer but not require electronic payment services for electronically-billed ESPs. The UDC will accept cash, check or electronic payments under this billing option. The UDC is required under D.97 -05-039 to pay the ESP the amounts paid to the UDC for ESP charges only after the payment is received. Payments will be transferred to the ESP specifying the amount paid by each specific service account or group of service accounts if the customer is Summary Billed.
- b. Upon receipt of the UDC's payment, the ESP is responsible for promptly and accurately posting the payment to the customer's service account. The ESP will also be responsible for any follow-up inquiries either with the UDC or customer if there is question concerning the posting of that payment amount.
- c. The UDC must remit payments to the ESP only for the amounts paid by the Direct Access customer for payment of ESP charges. Payments are due on or before the later of:
 - (1) 17 days after the bill was rendered to the customer, or
 - (2) The next business day after the payment is received from the customer.
- d. The UDC will not forward any amounts owed to the ESP that have not been received from the customer. The UDC will process payments, post UDC charges paid to customer service accounts, and transfer funds owed the ESP to the ESP. On the billing statement for the following month, the UDC will debit to the ESP any amounts resulting from returned payments and assess returned payment charges (i.e., a charge for each returned payment) to the appropriate customers.
- e. The ESP has no payment obligations for customer payments under consolidated UDC billing services. However, the ESP must remit payment for any charges, approved by the CPUC, for services provided them by the UDC within the terms of service as specified in the UDC-ESP Service Agreement with the UDC. Sundry charges will be considered past due 30 days after the date the bill is rendered. The ESP is required to settle any disputes of ESP charges with the customer.
- f. The customer is obligated to pay the UDC for all UDC and ESP charges consistent with existing tariffs.
- g. The customer must notify the UDC of any disputed UDC charges; otherwise, any outstanding balance will be handled as a late payment. Customer disputes of ESP charges must be directed to the ESP, and customer disputes of UDC charges must be directed to the UDC.

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Advice Ltr. No. 1057-E

Decision No. 97-10-087

Issued by
William L. Reed
Vice President
Regulatory Affairs

Date Filed December 1, 1997

Effective _____

Resolution No. _____

RULE 25

DIRECT ACCESS RULES

L. Payment and Collection Terms (Continued)

1. Under Consolidated UDC Billing (continued)

h. If the customer disputes any UDC charges, it shall nevertheless pay the amount billed; provided, however, that the customer may, at its election, pay that portion of the charges that the customer disputes to the CPUC in accordance with UDC Rules 9 and 10. If the customer disputes any ESP charges, the provisions of its agreement with the ESP shall control. The UDC will forward to the ESP amounts paid to cover ESP charges.

2. Under Consolidated ESP Billing

a. Upon receipt of the ESP's payment, the UDC will be responsible for promptly and accurately posting the payment to the customer's account. The UDC will also be responsible for any follow-up inquiries with the ESP if there is question concerning the payment amount.

b. The ESP is required by D.97-05-039 to pay amounts owed to the UDC for UDC charges whether or not the customer has paid the ESP. Payment is due in full from the ESP within 17 days from the date UDC charges are rendered to the ESP regardless of whether the customer has paid.

c. The UDC has no payment obligations for customer payments under consolidated ESP billing services. However, payments of any charges, as determined by separate agreement between the ESP and the UDC, for services provided by the ESP will be considered past due 30 days after the sundry bill is rendered to the UDC.

d. The customer is obligated to pay the ESP for all UDC and ESP charges according to the terms established between the ESP and the customer.

e. If any charges are disputed, the customer must notify the ESP of the disputed amount. Customer disputes of ESP charges must be directed to the ESP, and customer disputes of UDC charges, except disputes pertaining to the ESP's estimate of the UDC charges, must be directed to the UDC.

f. If the ESP disputes any UDC charges, it shall nevertheless pay the amount billed; provided, however, that the ESP may, at its election, pay that portion of the charges that the ESP disputes to the CPUC in accordance with UDC Rule 10, Disputes. If the customer disputes any UDC charges, it shall address such dispute through the ESP, and may pursue the dispute in accordance with Rule 10.

(Continued)

Advice Ltr. No. 1057-E

Decision No. 97-10-087

Issued by
William L. Reed
Vice President
Regulatory Affairs

Date Filed December 1, 1997

Effective _____

Resolution No. _____

RULE 25

DIRECT ACCESS RULES

L. Payment and Collection Terms (Continued)

3. Under Separate UDC/ESP Bills

- a. The UDC is responsible for payment of miscellaneous charges imposed by the ESP, as per their service agreement with the UDC for Direct Access services, but the UDC has no payment obligations with respect to customer charges.
- b. The UDC has no payment or collection obligations to the ESP for customer payments of ESP charges. However, the UDC must remit, within 30 days, payment of any charges due the ESP for services provided by the ESP in accordance with the service agreement. A late payment penalty may be assessed on past due charges.
- c. The ESP has no payment or collection obligations to the UDC for customer payments of UDC charges. However, the ESP must remit, within 30 days, payment of any charges, approved by the CPUC, due the UDC for services provided by the UDC. If authorized by the CPUC, a late payment penalty may be assessed on past due charges.
- d. The customer must remit payment in full to the UDC for UDC charges due within the terms of sale as provided for in CPUC rules.
- e. If the customer disputes any UDC charges, it shall nevertheless pay the amount billed; provided, however, that the customer may, at its election, pay that portion of the charges that the customer disputes to the CPUC in accordance with Rule 10. If the customer disputes any ESP charges, the provisions of its agreement with the ESP shall control.

M. Late or Partial Payments and Unpaid Bills

1. Under Consolidated UDC Billing

- a. The UDC is responsible for collecting the unpaid balance of all charges from customers, sending notices informing customers of unpaid balances, and taking the appropriate actions to recover the unpaid amounts owed the ESP.
- b. Partial payments by customers will be allocated on a pro rata basis to the TTA and to UDC charges for which delinquency may result in disconnection, and then any balance will be prorated between the ESP and other UDC charges.
- c. Undisputed overdue balances owed the UDC will be considered late and subject to UDC late payment procedures.
- d. CPUC rules will apply to late or non-payment of UDC charges by the customer.

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Advice Ltr. No. 1082-E

Decision No. 98-02-030

Issued by
William L. Reed
Vice President
Regulatory Affairs

Date Filed March 11, 1998

Effective _____

Resolution No. _____

RULE 25

DIRECT ACCESS RULES

M. Late or Partial Payments and Unpaid Bills

2. Under Consolidated ESP Billing

- a. The ESP is responsible for collecting both unpaid ESP and UDC charges, sending notices informing customers of unpaid ESP and UDC balances, and taking appropriate actions to recover the amounts owed. The UDC will not assume any collection obligations under this billing option.
- b. The UDC will hold the ESP liable for any late payments or unpaid bills. Unpaid, undisputed overdue balances owed the UDC will be considered late and subject to late payment fees and procedures and the provisions of Section N, Involuntary Service Changes.
- c. The UDC will apply the same terms applicable to commercial accounts under default UDC services to service accounts utilizing consolidated ESP billing services. The UDC will notify the ESP if payment of UDC charges has not been received within 17 days of the date delivered to the ESP.

3. Under Separate UDC/ESP Billing

- a. The UDC and the ESP are responsible for collecting their respective unpaid balances, sending notices to customers informing them of the unpaid balance, and taking appropriate actions to recover their respective unpaid balances. Customer disputes with ESP charges must be directed to the ESP, and customer disputes with UDC charges must be directed to the UDC. Late fees and fees for collections may be charged by the UDC as approved by the CPUC.
- b. Late payment of UDC charges by customers will be handled in accordance with applicable CPUC rules.

N. Involuntary Service Changes

1. Service Changes

The customer may have service of electricity, billing, or metering from an ESP changed involuntarily in the following circumstances:

- a. The ESP Has Been Decertified by the CPUC or receives a CPUC order that otherwise prohibits the ESP from serving that customer;
- b. The ESP has materially failed to meet its obligations under the terms of the Service Agreement (including applicable tariffs) so as to constitute an event of default and the UDC exercises a contractual right to terminate the agreement;

(Continued)

Advice Ltr. No. 1057-E

Decision No. 97-10-087

Issued by
William L. Reed
Vice President
Regulatory Affairs

Date Filed December 1, 1997

Effective _____

Resolution No. _____

RULE 25

DIRECT ACCESS RULES

N. Involuntary Service Changes (Continued)

1. Service Changes (Continued)

- c. The ESP has materially failed to meet its obligations under the terms of the Service Agreement (including applicable tariffs) so as to constitute an event of default and the UDC exercises a contractual right to change billing options;
- d. The ESP has materially failed to meet its obligations under the terms of the Service Agreement (including applicable tariffs) so as to constitute an event of default and the UDC exercises a contractual right to change metering options;
- e. The ESP ceases to perform by failing to provide schedules through a Scheduling Coordinator wherever such schedules are required.
- f. The customer fails to meet its direct access requirements and obligations under the utility's rules and tariffs.
- g. Notices of involuntary service changes or termination in Direct Access will be sent to the ESP, the MDMA if different from the ESP, and to each customer under contract as described in this Section N, and to the CPUC.

2. Change of Service Election In Exigent Circumstances

In the event the UDC finds that an ESP or the customer has materially failed to meet its obligations under this tariff or the UDC-ESP Service Agreement such that the UDC seeks to invoke its remedies under this Section N. (other than a termination of ESP consolidated billing under Section N .4. or metering under Section N .5., and the failure constitutes an emergency (i.e. the failure poses a substantial threat to the reliability of the electric system or to public health and safety or the failure poses a substantial threat of irreparable economic or other harm to the UDC or the customer), or the failure relates to ESP's unauthorized energy use, then the UDC may initiate a change, or, in some cases, terminate a customer's service election, or an ESP's ability to provide certain services under Direct Access.

In such case, the UDC shall initiate the change or termination by preparing a DASR, but the change or termination may be made immediately notwithstanding the applicable DASR processing times set forth in this tariff. The UDC shall provide such notice and/or opportunity to cure the problem to the ESP and/or the affected customer as is reasonable under the circumstances of this section, if any is reasonable. The ESP or the affected customer shall have the right to seek an order from the CPUC restoring the customer's service election and/or the ESP's ability to provide services. Unless expressly ordered by the CPUC, these provisions do not disconnect electric service provided to the customer.

(Continued)

Advice Ltr. No. 1070-E

Decision No. 97-12-090

Issued by
William L. Reed
Vice President
Regulatory Affairs

Date Filed January 15, 1998

Effective _____

Resolution No. _____

RULE 25

DIRECT ACCESS RULES

N. Involuntary Service Changes (Continued)

3. Change of Service Election Absent Exigent Circumstances

In the event the UDC finds that an ESP has materially failed to meet its obligations under this tariff or the UDC-ESP Service Agreement such that the UDC seeks to invoke its remedies under this Section N. (other than a termination of consolidated ESP billing under Section N.4. or metering under Section N. 5., but the failure does not constitute an emergency (as defined in Section N. 2.) or involve ESP's unauthorized energy use, the UDC shall notify the ESP and the affected customer of such finding in writing stating specifically:

- a. The nature of the alleged non-performance;
- b. The actions necessary to cure it;
- c. The consequences of failure to cure it and the remedy the UDC proposes to invoke in the event of a failure to cure; and
- d. The name, address and telephone number of a contact person at the UDC authorized to discuss resolution of the problem.

The ESP shall have 30 days from receipt of such notice to cure the alleged non-performance or reach an agreement regarding it with the UDC. If the problem is not cured or an agreement is not reached following this 30 day period, the UDC may initiate the DASR process set forth in this tariff to accomplish the remedy set forth in the notice; provided that the UDC shall suspend the exercise of such remedy if, before the end of the cure period, the ESP has filed an application with the CPUC requesting an order from the CPUC that the ESP is entitled to continue the Service Agreement and the UDC is not entitled to exercise the remedy it has identified in its notice. The status of the ESP shall not change pending the CPUC's review of the UDC's request provided that an emergency, as described in Section N. 2. does not arise. Unless expressly ordered by the CPUC, these provisions do not disconnect electric service provided to the customer. The UDC's action to defer the exercise of its remedies in accordance with this section does not constitute a waiver of any rights.

4. Termination of Consolidated ESP Billing

Consolidated ESP billing services will be terminated under the following circumstances. (Among other things, this section describes the notice and opportunity to cure provisions applicable to defaults that permit a remedy of terminating ESP consolidated billing):

- a. If the UDC finds that the information provided by the ESP in the UDC-ESP Service Agreement is materially false, incomplete, or inaccurate; the ESP attempts to avoid payment of CPUC-authorized UDC charges; or the ESP files for bankruptcy, fails to have a bankruptcy proceeding filed against it dismissed within sixty (60) calendar days, admits insolvency, makes a general assignment for the benefit of creditors, or is unable to pay its debts as they mature, or has a trustee or receiver appointed over all or a substantial portion of its assets, customers will be notified that consolidated ESP billing services will be terminated, and will be switched to separate UDC billing as promptly as possible.

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Advice Ltr. No. 1057-E

Decision No. 97-10-087

Issued by
William L. Reed
Vice President
Regulatory Affairs

Date Filed December 1, 1997

Effective _____

Resolution No. _____

RULE 25

DIRECT ACCESS RULES

N. Involuntary Service Changes (Continued)

4. Termination of Consolidated ESP Billing (Continued)

- b. If the ESP does not pay the UDC (or dispute payment pursuant to the procedures set forth herein) the full amount of all UDC and TTA charges by the applicable past due date, the UDC shall notify the ESP of the past due amount within two (2) days of the applicable past due date. If the full amount has not been received by the UDC (or properly disputed) within seven (7) days of the applicable past due date, the ESP's customers and the ESP will be notified on approximately the 24th day following the date the bill was rendered to the ESP that consolidated ESP billing services will be terminated, and that they will be switched to separate UDC billing on the first regular scheduled meter reading date for each customer approximately 30 days after the bill was rendered.
- c. If the ESP fails to comply within 15 calendar days of the transmittal of a written notice from the UDC of any additional or increased credit requirements as set forth in Section P, the ESP's customers and the ESP will be notified on approximately the 24th day following the date of transmittal that consolidated ESP billing services will be terminated, and that they will be switched to separate UDC billing on the first regular scheduled meter reading date for each customer.
- e. Upon termination of consolidated ESP billing pursuant to this Section N, the UDC may deliver a separate bill for all UDC charges which were not previously billed by the ESP. The ESP or the affected customer shall have the right to seek an order from the CPUC restoring the ESP's eligibility to engage in consolidated ESP billing.
- f. At any time not less than 6 months after termination of consolidated ESP billing pursuant to this Section N, the ESP's eligibility to engage in consolidated billing services shall be reinstated upon a reasonable showing by the ESP that the problems causing revocation of its consolidated billing right have been cured, including payment of any late charges and re-establishment of compliance with credit requirements under Section P.

5. Termination of ESP Metering Services

The UDC will terminate an ESP's eligibility to provide metering services in the UDC's service territory if the ESP fails to comply with industry-accepted standards approved for the UDC by the CPUC for metering services. The UDC shall provide the ESP with 15 days written notice prior to such termination. ESP failure to comply is defined in Section G., Metering Services. The ESP or the affected customer shall have the right to seek an order from the CPUC restoring the ESP's eligibility to provide metering services.

(Continued)

RULE 25

DIRECT ACCESS RULES

N. Involuntary Service Changes (Continued)

6. Burden of Proof Before CPUC

In any case before the CPUC the party bearing the burden of going forward and the party bearing the burden of proof shall be established in the manner normally established at the CPUC.

7. Action in the Event of Termination

Upon termination of ESP Direct Access services pursuant to this Section N, the customer will be returned to default UDC services, unless the customer has previously selected another ESP under the procedures set forth in Section E. The customer shall thereafter have the right at any time to select another ESP pursuant to Section E.

8. Prohibition

The UDC is prohibited from using any of the involuntary service changes in an anti-competitive manner.

O. Service Disconnections and Reconnections

1. Consolidated UDC Billing

a. The UDC will notify the customer of the UDC's right to disconnect electric service for the non-payment of UDC charges pursuant to electric Rule 8. The customer, and not the UDC, is responsible for contacting the ESP in the event it receives notice of late payment or service termination from the UDC for any of its DA Service Accounts. If a customer has been disconnected, and is not reconnected within two days, the UDC will promptly notify the ESP. To the extent authorized by the CPUC, a service charge will be imposed on the customer if a field call is performed to disconnect electric service.

b. The UDC will not disconnect electric service to the customer for the non-payment of ESP charges. In the event of non-payment of ESP charges by the customer, the ESP may submit a DASR requesting transfer of the service account to bundled UDC service according to Section E.

c. The UDC will reconnect electric service for a CPUC-authorized service fee when the criteria for reconnection, as specified in Rule 11, Discontinuance of Service, have been met.

(Continued)

RULE 25

DIRECT ACCESS RULES

O. Service Disconnections and Reconnections (Continued)

2. Consolidated ESP Billing

- a. The UDC will not disconnect electric service to the customer for either the non-payment of ESP charges by the customer, or the non-payment of UDC charges by the ESP. In the event of non-payment of ESP charges by the customer, the ESP may submit a DASR requesting transfer of the service account to bundled UDC service according to Section E.
- b. If an ESP fails to pay in full the charges that the UDC has transmitted to it (consisting of the UDC charges and the TTA charges) by the applicable past due date, the provisions of Section N(4)(b) of this rule shall govern.
- c. In accordance with CPUC rules, the UDC has the right to disconnect electric service to the customer for the non-payment of prior UDC closing bills or any past due charges by the customer, and evidences of safety violations, energy theft, or fraud, by the customer. If a customer has been disconnected, and is not reconnected within two days, the UDC will promptly notify the ESP. To the extent authorized by the CPUC, a service charge will be imposed on the customer if a field call is performed to disconnect electric service.
- d. The UDC will reconnect electric service for a CPUC-authorized service fee when the criteria for reconnection, as specified in Rule 11, Discontinuance of Service, have been met.

3. Separate UDC/ESP Bills

- a. In accordance with CPUC rules, the UDC may disconnect electric service to the customer for the non-payment of UDC charges by the customer, but the UDC will not disconnect electric service to the customer for the non-payment of ESP charges. If a customer has been disconnected, and is not reconnected within two days, the UDC will promptly notify the ESP. In the event of non-payment of ESP charges by the customer, the ESP may submit a DASR requesting transfer of the service account to bundled UDC service according to Section E. In the event of non-payment of UDC charges, and to the extent authorized by the CPUC, a service charge will be imposed on the customer if a field call is performed to disconnect electric service.
- b. The UDC will reconnect electric service for a service fee when the criteria for reconnection, as specified in Rule 11, Discontinuance of Service, have been met.

(Continued)

Advice Ltr. No. 1057-E

Decision No. 97-10-087

Issued by
William L. Reed
Vice President
Regulatory Affairs

Date Filed December 1, 1997

Effective _____

Resolution No. _____

RULE 25

DIRECT ACCESS RULES

P. Credit Requirements

1. Under Consolidated UDC Billing

If the UDC performs consolidated billing services, the UDC may require the ESP to establish its creditworthiness through evaluations, deposits, or other security in the manner described in Section P(2), to cover CPUC-approved charges incurred as a result of Direct Access participation. That is, the creditworthiness only applies to the UDC charges that are billed directly to the ESP.

2. Under Consolidated ESP Billing

If the ESP performs consolidated billing services, the UDC will require the ESP to establish its creditworthiness to cover CPUC-approved charges incurred as a result of Direct Access participation. The ESP may establish its creditworthiness through any one of the following. Upon the establishment of such creditworthiness, the UDC upon request will refund, in accordance with CPUC requirements, the customer's security deposits then being held to secure payment of those energy services being assumed by the ESP.

a. Credit Evaluation

An ESP with a demonstrable current credit rating of Baa2 or higher from Moody's or BBB or higher from Standard and Poor's, Fitch or Duff & Phelps, is deemed to be creditworthy unless the UDC determines that a material change in the ESP's creditworthiness has occurred. The UDC requires ESPs to complete a credit application including financial information reasonably necessary to establish credit. The creditworthiness evaluation may be conducted by an outside credit analysis agency, determined by the UDC, with final credit approval granted by the UDC. This evaluation will be completed within 10 business days. Credit reports will remain strictly confidential between the credit analysis agency and the UDC. A credit application processing fee, as approved by the CPUC, may be charged to offset the cost of determining the ESP's creditworthiness.

b. Security Deposits

The ESP may submit and maintain a cost-based security deposit in lieu of submitting to or being qualified under a creditworthiness evaluation. The amount of the security deposit required to establish credit will be twice the estimated maximum monthly bill for UDC charges, where such estimate is based on the last 12 months of historical usage. The initial value of the security deposit will be estimated by the ESP to cover its expected customer base and will be adjusted as necessary from time to time to meet the security requirements based on changes in the ESP's customer base.

(Continued)

Advice Ltr. No. 1057-E

Decision No. 97-10-087

Issued by
William L. Reed
Vice President
Regulatory Affairs

Date Filed December 1, 1997

Effective _____

Resolution No. _____

RULE 25

DIRECT ACCESS RULES

P. Credit Requirements (Continued)

2. Under Consolidated ESP Billing (Continued)

b. Security Deposits (Continued)

Security deposits may be in the form of (1) cash deposits, with interest earned at the 3-month commercial paper rate, (2) letters of credit, defined as irrevocable and renewable issued by a major financial institution acceptable to the UDC, (3) surety bonds, defined as renewable and issued by a major insurance company acceptable to the UDC, or (4) guarantees, with guarantors with a credit rating of Baa2 or higher from Moody's or BBB or higher from Standard and Poor's, Fitch or Duff & Phelps, unless the UDC determines that a material change in the guarantor's creditworthiness has occurred, or, in other cases, through the credit evaluation process described above. Security deposits must be posted with the UDC prior to the ESP's participation in Direct Access. Security deposits posted with the UDC which are in excess of outstanding unpaid bills owed to the UDC will be returned to the ESP within approximately 60 days after the ESP has terminated consolidated ESP billing services in the UDC's service territory. While the ESP is conducting Consolidated ESP billing, deposits cannot be used as payment for past due bills in order to avoid or delay the switch to separate UDC/ESP billing resulting from the ESP's non-payment of bills owed to the UDC.

c. Security Deposit Payment Timetable

ESPs are obligated to post security deposits with the UDC prior to the ESP's participation in Direct Access. Such a deposit shall not be required until three days before the ESP's customers begin receiving direct access service. If the deposit in the required amount as specified in Section P(2)(b) has not been received from the ESP, the UDC will continue to bill the customer under the same conditions prior to the scheduled change of service. The UDC will issue a notice to both the ESP and the customer, informing both parties that the ESP will not provide consolidated billing services for that customer until the security deposit has been received by the UDC.

d. Interest on Cash Deposit

The UDC will pay interest on cash deposits, except as provided below, calculated on a daily basis, and compounded at the end of each calendar month, from the date fully paid to the date of refund by check or credit to the ESP's account. The interest rate applicable in each calendar month shall be set forth in Rule 7, Deposits; except that when a refund is made within the first fifteen days of a calendar month the interest rate applicable in the previous month shall be applied for the elapsed portion of the month in which the refund is made.

No interest will be paid if the ESP's right to continue providing ESP Consolidated Billing services is temporarily or permanently discontinued for nonpayment of bills. No interest will be paid for periods covered by bills paid after becoming past due.

(Continued)

DIRECT ACCESS RULES

P. Credit Requirements (Continued)

2. Under Consolidated ESP Billing (continued)

e. Ongoing Maintenance of Credit

To assure continued validity of established unsecured credit, the ESP shall promptly notify the UDC of any material change in its credit rating or financial condition. ESP shall also furnish evidence of an acceptable credit rating or financial condition, as set forth above, to the UDC upon request. In the event the UDC determines that the ESP's, or the ESP's guarantor's, creditworthiness has materially changed, as set forth above, and the ESP does not rectify or provide a security deposit commensurate with the change in creditworthiness, then the UDC may revert to Separate Billing.

f. Re-establishment of Credit

An ESP whose Consolidated Billing service option has been terminated, revoked or suspended under this section may reestablish its credit worthiness by the provision of a security deposit, or by any other manner described in this Section P following a six-month period.

3. Under Separate UDC/ESP Bills

If the ESP performs separate billing services, the UDC may require the ESP to establish its creditworthiness through evaluations, deposits, or other security in the manner described in Section P(2), to cover CPUC-approved charges incurred as a result of Direct Access participation. That is, the creditworthiness only applies to the UDC charges that are billed directly to the ESP.

4. Additional Documents

The ESP shall execute and deliver all documents and instruments (including, without limitation, security agreements and UDC financing statements) reasonably required from time to time to implement the provisions set forth above and to perfect any security interest granted to UDC.

SDG&E Electric Rates

Commercial/Industrial

A	Non Time-Of-Use, energy-only “default” rate for three-phase residential and small commercial service with monthly maximum demand below 20 kW or 12,000 kWh per month if non-demand metered.
A-TC	Non Time-Of-Use, energy only rate for Traffic Control signal systems utilized 24-hours per. When served in conjunction with traffic signal, also applicable to directional signs, flashing beacons, warning lights, and minimum 90% load factor, such as Cable TV signal rectifiers.
A-TOU	Experimental energy-only time-of-use rate option for residential and small commercial service with monthly maximum demand below 40kW.
AD	Non Time-Of-Use energy and maximum demand rate for commercial customers with monthly maximum demand between 20 kW and 500 kW.
AL-TOU	Seasonal Time-Of-Use “default” rate for all commercial customers with monthly maximum demand above 20 kW. Optionally available to customers qualified for Schedule A.
AY-TOU	Optional non-seasonal Time-Of-Use rate for commercial customers with monthly maximum demand below 500 kW.
AO-TOU	Optional “marginal cost” Time-Of-Use rate for commercial customers who qualify for service on Schedule AL-TOU.
A6-TOU	Optional “Coincident-Peak Demand” Time-Of-Use rate for commercial customers with monthly maximum demand above 500 kW. Customer’s on-peak demand is set based on SDG&E’s peak interval sendout level during the customer’s billing month.
A-V	Variable time-of-use rate options whose on-peak energy charge(s) are activated when SDG&E’s sendout level exceeds a designated trigger level. A-V1 has a single trigger, A-V2 has two triggers with different on-peak charges for each level, and A-V3 has three triggers with different on-peak charges for each level.
RTP	“Real-Time-Pricing,” rate option that is similar to the A-V2 tariff, however with RTP the on-peak periods are based on a day ahead forecast of SDG&E’s system sendout exceeding the designated triggers.

SDG&E Electric Rates

Agricultural

PA	Non Time-of-Use, energy-only rate option for customers who qualify as being “agricultural” whose maximum demand is below 500 kW or 300,000 kWh per month if non-demand metered.
PA-TOU	Non-Demand, Time-of-Use energy only rate option for customers who qualify for service on Schedule PA.
PA-T-1	Experimental optional seasonal Tim-Of-Use rate for agricultural customers with specified SIC codes, whose monthly maximum demand is reduce annual on-peak energy consumption by 1,500 kWh. PA-T-1 offers a variable time-period and rate for summer on-peak demand.

Lighting

OL-1	Non metered outdoor area lighting furnished from dusk-to-dawn lighting supplied from secondary overhead or underground facilities. The lighting is installed, owned and maintained by SDG&E.
LS-1	Non metered street lighting furnished from dusk-to-dawn lighting supplied from secondary overhead or underground facilities. The lighting is installed, owned and maintained by SDG&E.
LS-2	Customer (governmental agencies) owned non metered street lighting furnished from dusk-to-dawn lighting supplied from secondary overhead or underground facilities.
LS-3	Customer (governmental agencies) owned metered street lighting furnished from dusk-to-dawn lighting supplied from secondary overhead or underground facilities.

Direct Access Metering Services And SDG&E Rates:

- Residential and small commercial (below 20 kW for 9 out of 12 months) customers may not receive unbundled metering services until after January 1, 1999.
- Commercial customer between 20 kW and 50 kW (below 50kW for 9 out of 12 months) who elect to be load profiled may not receive unbundled metering services.
- Commercial customer above 20 kW who elect direct access may receive unbundled metering services beginning January 1, 1998.

Direct Access

METER PRICING OPTIONS FOR CUSTOMERS UNDER 500 kW

New Customers

New customers may select any of the three meter service options: Basic, Next Day or Real Time Service. Interval metering is not standard for customers under 500kW, therefore, if Basic Service is elected, the customer will pay the posted monthly charge. However, the one-time meter installation charge will be waived. If Next Day or Real Time is elected, the customer will pay the monthly charge for each service option and the one-time installation.

When California Public Utilities Commission approves metering credits, likely in January 1999, all customers will receive the approved monthly credit.

Existing Customers

Existing customers may select any of three meter service options from SDG&E: Basic, Next Day or Real-time Service. Existing customers without interval meters must pay the monthly charges and the installation fees for the service option they choose. Customers with an existing interval data meter appropriate for Basic Service will pay the monthly charge for Basic Service. If the customer is paying the \$20 charge for interval meter services, this charge will be replaced by the Basic Service Option since a new meter is not required.

Customers selecting either the Next Day or Real Time options will pay the monthly charge for that option (replacing the current \$20 charge) plus the posted meter installation fee.

When California Public Utilities Commission approves metering credits, likely in January 1999, all customers will receive the approved monthly credit.

Special Information for Load Research Customers

Customers selecting Basic Service with interval meters installed by SDG&E for load research who are not being charged the \$20 monthly fee will not be required to pay the monthly charges. These customers will be eligible for Direct Access or Virtual Direct Access with the existing interval meter as long as they remain part of the load research project.

If the customer selects Next Day or Real Time service, the customer will pay the one-time meter installation and the monthly charge. If the customer is removed from the load research project, the customer must pay the monthly charge for the meter services option selected to continue hourly pricing under Direct Access or Virtual Direct Access.

DIRECT ACCESS

METER PRICING FOR CUSTOMERS OVER 500kW

New Customers

New customers may select any of three meter service options from SDG&E: Basic, Next Day or Real-time Service. Basic Service for large customers and will be provided with no installation or monthly charges. Customers selecting either Next Day or Real Time Service will pay the posted monthly charges and one-time installation fees for these meter service options.

When California Public Utilities Commission approves metering credits, likely in January 1999, all customers will receive the approved monthly credit.

Existing Customers

Existing customers may select any of three meter service options from SDG&E: Basic, Next Day or Real-time Service. Existing customers over 500 kW have interval data meters that are appropriate for either Direct Access or Virtual Direct Access. These customers will receive Basic Service at no monthly charge. Since no meter change is required, the one-time installation fee does not apply. Customers selecting either Next Day or Real Time Service will pay the posted monthly charge and one-time installation fee for these meter service options.

When California Public Utilities Commission approves metering credits, likely in January 1999, all customers will receive the approved monthly credit.

(San Diego Gas & Electric Bills go here)

Small Commercial DA
Large Commercial DA
Direct Access ESP Charges w/BF
Direct Access ESP Charges
Direct Access Mult. ESP Charges

Daily Distribution Loss Factor

DLF Version Type	UDC	YYYYMMDDHH	DLF Type	Sub-Trans DLF	Primary DLF	Secondary DLF	Transmission
DLF001	SDGE	1998090307	F	1.008121715	1.010865473	1.045714691	1.0065
DLF001	SDGE	1998090308	F	1.008242805	1.010791108	1.045133984	1.0065
DLF001	SDGE	1998090309	F	1.008331446	1.010753957	1.044860409	1.0065
DLF001	SDGE	1998090310	F	1.008364721	1.010743263	1.044786209	1.0065
DLF001	SDGE	1998090311	F	1.008336124	1.010752352	1.044849088	1.0065
DLF001	SDGE	1998090312	F	1.008217921	1.010804007	1.045232438	1.0065
DLF001	SDGE	1998090313	F	1.008059106	1.010916622	1.046126252	1.0065
DLF001	SDGE	1998090314	F	1.007893006	1.011105703	1.047685995	1.0065
DLF001	SDGE	1998090315	F	1.007749723	1.011351504	1.049756278	1.0065
DLF001	SDGE	1998090316	F	1.007651877	1.011580722	1.051707888	1.0065
DLF001	SDGE	1998090317	F	1.007584348	1.0117773	1.053391212	1.0065
DLF001	SDGE	1998090318	F	1.007538703	1.011932044	1.054720717	1.0065
DLF001	SDGE	1998090319	F	1.007507449	1.012049856	1.055734966	1.0065
DLF001	SDGE	1998090320	F	1.00748564	1.012138439	1.056498579	1.0065
DLF001	SDGE	1998090321	F	1.007469649	1.01220699	1.057090029	1.0065
DLF001	SDGE	1998090322	F	1.007461274	1.012244181	1.057411085	1.0065
DLF001	SDGE	1998090323	F	1.007469649	1.01220699	1.057090029	1.0065
DLF001	SDGE	1998090400	F	1.007500925	1.012075781	1.055958368	1.0065
DLF001	SDGE	1998090401	F	1.007545781	1.01190676	1.054503263	1.0065
DLF001	SDGE	1998090402	F	1.007557326	1.01186656	1.054157694	1.0065
DLF001	SDGE	1998090403	F	1.007567659	1.011831648	1.053857764	1.0065
DLF001	SDGE	1998090404	F	1.007644891	1.011599456	1.051867987	1.0065
DLF001	SDGE	1998090405	F	1.007786425	1.011279543	1.049147097	1.0065
DLF001	SDGE	1998090406	F	1.007965264	1.011012818	1.046914292	1.0065

Year toDate Distribution Loss Factor

DLF Version Type	UDC	YYYYMMDD HH	DLF Type	Sub-Trans DLF	Primary DLF	Secondary DLF	Transmission
DLF001	SDGE	1998040108	F	1.008812	1.010727	1.04490968	1.0065
DLF001	SDGE	1998040109	F	1.00889	1.010743	1.04509276	1.0065
DLF001	SDGE	1998040110	F	1.008939	1.010755	1.04522757	1.0065
DLF001	SDGE	1998040111	F	1.008906	1.010747	1.04513553	1.0065
DLF001	SDGE	1998040112	F	1.008739	1.010717	1.04477428	1.0065
DLF001	SDGE	1998040113	F	1.008467	1.01072	1.04464376	1.0065
DLF001	SDGE	1998040114	F	1.00823	1.010797	1.04518232	1.0065
DLF001	SDGE	1998040115	F	1.008129	1.01086	1.04567211	1.0065
DLF001	SDGE	1998040116	F	1.008059	1.010917	1.04612625	1.0065
DLF001	SDGE	1998040117	F	1.00802	1.010954	1.04642711	1.0065
DLF001	SDGE	1998040118	F	1.008001	1.010973	1.04658489	1.0065
DLF001	SDGE	1998040119	F	1.008008	1.010966	1.04653177	1.0065
DLF001	SDGE	1998040120	F	1.00802	1.010954	1.04642711	1.0065
DLF001	SDGE	1998040121	F	1.008033	1.010941	1.0463246	1.0065
DLF001	SDGE	1998040122	F	1.008046	1.010929	1.04622429	1.0065
DLF001	SDGE	1998040123	F	1.008046	1.010929	1.04622429	1.0065
DLF001	SDGE	1998040200	F	1.007989	1.010986	1.04669268	1.0065
DLF001	SDGE	1998040201	F	1.007888	1.011113	1.0477484	1.0065
DLF001	SDGE	1998040202	F	1.007872	1.011136	1.04793805	1.0065
DLF001	SDGE	1998040203	F	1.007914	1.011076	1.04744058	1.0065
DLF001	SDGE	1998040204	F	1.008008	1.010966	1.04653177	1.0065
DLF001	SDGE	1998040205	F	1.008182	1.010825	1.04539313	1.0065
DLF001	SDGE	1998040206	F	1.008446	1.010724	1.04466349	1.0065
DLF001	SDGE	1998040207	F	1.008697	1.010713	1.04471406	1.0065
DLF001	SDGE	1998040208	F	1.008874	1.010739	1.0450521	1.0065
DLF001	SDGE	1998040209	F	1.008956	1.01076	1.04527692	1.0065
DLF001	SDGE	1998040210	F	1.008991	1.010769	1.04538255	1.0065
DLF001	SDGE	1998040211	F	1.008973	1.010764	1.04532857	1.0065
DLF001	SDGE	1998040212	F	1.008827	1.01073	1.04494233	1.0065
DLF001	SDGE	1998040213	F	1.008523	1.010713	1.04461523	1.0065
DLF001	SDGE	1998040214	F	1.008264	1.010781	1.0450575	1.0065
DLF001	SDGE	1998040215	F	1.008151	1.010845	1.04554839	1.0065
DLF001	SDGE	1998040216	F	1.008086	1.010893	1.04593719	1.0065
DLF001	SDGE	1998040217	F	1.008039	1.010935	1.04627417	1.0065
DLF001	SDGE	1998040218	F	1.00802	1.010954	1.04642711	1.0065
DLF001	SDGE	1998040219	F	1.00802	1.010954	1.04642711	1.0065
DLF001	SDGE	1998040220	F	1.008026	1.010947	1.04637558	1.0065
DLF001	SDGE	1998040221	F	1.008033	1.010941	1.0463246	1.0065
DLF001	SDGE	1998040222	F	1.008046	1.010929	1.04622429	1.0065
DLF001	SDGE	1998040223	F	1.008059	1.010917	1.04612625	1.0065
DLF001	SDGE	1998040300	F	1.008073	1.010905	1.04603053	1.0065
DLF001	SDGE	1998040301	F	1.007965	1.011013	1.04691429	1.0065
DLF001	SDGE	1998040302	F	1.007877	1.011128	1.04787443	1.0065
DLF001	SDGE	1998040303	F	1.007925	1.011062	1.04732046	1.0065
DLF001	SDGE	1998040304	F	1.008008	1.010966	1.04653177	1.0065

San Diego Gas & Electric Meter Reading Schedule 1999

CYCLE	JAN		FEB		MAR		APR		MAY		JUN		JUL		AUG		SEP	
	Date	#days	Date	#days	Date	#days	Date	#days	Date	#days	Date	#days	Date	#days	Date	#days	Date	#days
01	4	33	2	29	4	30	2	29	3	31	2	30	1	29	3	33	1	29
02	5	33	3	29	5	30	5	31	4	29	3	30	6	33	4	29	2	29
03	6	33	4	29	8	32	6	29	5	29	4	30	7	33	5	29	7	33
04	7	31	5	29	9	32	7	29	6	29	7	32	8	31	6	29	8	33
05	8	31	8	31	10	30	8	29	7	29	8	32	9	31	9	31	9	31
06	11	33	9	29	11	30	9	29	10	31	9	30	12	33	10	29	10	31
07	12	33	10	29	12	30	12	31	11	29	10	30	13	33	11	29	13	33
08	13	33	11	29	15	32	13	29	12	29	11	30	14	33	12	29	14	33
09	14	31	12	29	16	32	14	29	13	29	14	32	15	31	13	29	15	33
10	15	31	16	32	17	29	15	29	14	29	15	32	16	31	16	31	16	31
11	18	33	17	30	18	29	16	29	17	31	16	30	19	33	17	29	17	31
12	19	33	18	30	19	29	19	31	18	29	17	30	20	33	18	29	20	33
13	20	33	19	30	22	31	20	29	19	29	18	30	21	33	19	29	21	33
14	21	31	22	32	23	29	21	29	20	29	21	32	22	31	20	29	22	33
15	22	31	23	32	24	29	22	29	21	29	22	32	23	31	23	31	23	31
16	25	33	24	30	25	29	23	29	24	31	23	30	26	33	24	29	24	31
17	26	33	25	30	26	29	26	31	25	29	24	30	27	33	25	29	27	33
18	27	30	26	30	29	31	27	29	26	29	25	30	28	33	26	29	28	33
19	28	30	3/1	32	30	29	28	29	27	29	28	32	29	31	27	29	29	33

20	29	30	3/2	32	31	29	29	29	28	29	29	32	30	31	30	31	30	31
21	2/1	32	3/3	30	4/1	29	30	29	6/1	32	30	29	8/2	33	31	29	10/1	31
22	2/1	31	3/1	28	4/1	31	5/3	30	6/1	31	7/1	30	8/2	31	9/1	31	10/1	30

SDGE
HOLID
AYS:
NO
READ
DATES
:

1/1 2/15 5/31 7/5 9/6 11/25 12/24

7/2 9/3

***From
PG&E's Manual***

Glossary

Direct Access Terms

ACCOUNT	A PG&E-SPECIFIC IDENTIFYER FOR TRACKING ENERGY SERVICE DELIVERIES FOR A SPECIFIC LOAD THROUGH ONE OR MORE METERS AT A CUSTOMER PREMISES OR LOCATION. ONE CUSTOMER MAY HAVE SEVERAL ACCOUNTS WITHIN A PREMISES OR THROUGHOUT PG&E'S SERVICE TERRITORY.
APPLICANT	A PERSON OR AGENCY REQUESTING PG&E TO SUPPLY ELECTRIC SERVICE OR FOR CHARGES IN ELECTRIC SERVICE. ELECTRIC SERVICE MAY CONSIST OF BOTH ENERGY AND ENERGY RELATED SERVICES.
APPLICATION	AN ORAL, ELECTRONIC, OR A WRITTEN REQUEST TO PG&E FOR ELECTRIC SERVICE; NOT AN INQUIRY AS TO THE AVAILABILITY OR CHARGES FOR SUCH SERVICE. THE FORM OF THE REQUEST SHALL BE AT PG&E'S DISCRETION.
BASELINE	A RATE STRUCTURE MANDATED BY THE CALIFORNIA LEGISLATIVE AND IMPLEMENTED AT PG&E IN 1984 THAT INSURES ALL RESIDENTIAL CUSTOMERS ARE PROVIDED A MINIMUM NECESSARY QUANTITY OF ELECTRICITY AT THE LOWEST POSSIBLE COST.
BILLING AGENT	THE BILLING AGENT PREPARES AND SUBMITS BILLS TO END-USE CUSTOMERS; COLLECTS AND PROCESSES PAYMENTS; AND REMITS AGGREGATE FUNDS AND RECORDS TO ITS CLIENTS.
BILLING CYCLE	THE REGULAR INTERVAL AT WHICH A BILL FOR ELECTRIC SERVICE IS RENDERED; TYPICALLY SPANS A 27 TO 33 DAY PERIOD.
BILLING DEMAND	THE DEMAND ON WHICH THE CUSTOMER IS TO BE BILLED IN ACCORDANCE WITH THE TERMS AND CONDITIONS OF THEIR APPLICABLE RATE SCHEDULE.
BILLING FACTOR	<p>FACTOR USED TO CALCULATE A BILL ON A DAILY BASIS AS OPPOSED TO MONTHLY, WHEN THE BILLING PERIOD IS OTHER THAN 27 TO 33 DAYS. ALL RATE SCHEDULES ASSUME MONTHLY BILLINGS OF 27 TO 33, AND THE BILLING FACTOR FOR THESE BILLINGS IS EQUAL TO 1. THE FACTOR IS USED TO ADJUST FLAT MONTHLY CHARGES (SUCH AS FIXED USAGE ACCOUNTS), MONTHLY CUSTOMER, MONTHLY METER, AND MINIMUM SERVICE CHARGES TO MONTHLY PARITY WHEN AN ACCOUNT IS BILLED FOR FEWER THAN 27 DAYS (BILLING FACTOR IS LESS THAN 1), OR WHEN BILLED FOR MORE THAN 33 DAYS (BILLING FACTOR IS GREATER THAN 1). THE FACTOR IS BASED ON 365 DAYS DIVIDED BY 12 MONTHS, WHICH IS 30.4166, THE NUMBER OF AVERAGE DAYS IN AN AVERAGE MONTH. THE BILLING FACTOR FORMULA IS:</p> $\text{BILLING FACTOR} = \text{NUMBER OF BILLING DAYS DIVIDED BY } 30.4166$
BILLING MONTH	THE PERIOD OF TIME OVER WHICH A CUSTOMER IS BILLED FOR SERVICES RENDERED DURING A PARTICULAR BILLING CYCLE.
BILLING SERVICE DATE	THE EFFECTIVE DATE FOR COMMENCEMENT OF EITHER OF THE DIRECT ACCESS CONSOLIDATED BILLING OPTIONS.
BUSINESS DAY	A DAY ON WHICH PG&E OFFICES ARE OPEN TO CONDUCT GENERAL BUSINESS IN CALIFORNIA.
COMMISSION	THE PUBLIC UTILITIES COMMISSION OF THE STATE OF CALIFORNIA, SOMETIMES REFERRED TO

AS THE PUBLIC UTILITIES COMMISSION (PUC) OR THE CPUC.

COMPETITIVE TRANSITION CHARGE (CTC)

DEFINED IN PUBLIC UTILITIES CODE SECTION 840 AND BY THE COMMISSION.

CONNECTED LOAD

THE SUM OF THE RATED CAPACITIES OF ALL THE CUSTOMER'S EQUIPMENT THAT CAN BE CONNECTED TO PG&E'S LINES AT ANY ONE TIME AS MORE COMPLETELY DESCRIBED IN THE RATE SCHEDULES.

CPUC (CALIFORNIA PUBLIC UTILITIES COMMISSION)

THE PUBLIC UTILITIES COMMISSION OF THE STATE OF CALIFORNIA.

CURTAILMENT

THE TEMPORARY REDUCTION OR INTERRUPTION OF SERVICE TO CUSTOMERS BECAUSE OF PROJECTED OR ACTUAL SUPPLY OR CAPACITY CONSTRAINTS, AS FURTHER DEFINED IN RULE 14 AND PG&E'S ELECTRICAL EMERGENCY PLAN. PG&E MAY ALSO REQUEST SUCH LOAD REDUCTION UNDER THE PROVISIONS OF ITS NONFIRM PROGRAMS.

CUSTOMER

THE PERSON, GROUP OF PERSONS, FIRM, CORPORATION, INSTITUTION, MUNICIPALITY, OR OTHER CIVIC BODY, IN WHOSE NAME SERVICE IS RENDERED, AS EVIDENCED BY THE SIGNATURE ON THE APPLICATION, CONTRACT, OR AGREEMENT FOR THAT SERVICE, OR IN THE ABSENCE OF A SIGNED INSTRUMENT, BY THE RECEIPT AND PAYMENT OF BILLS REGULARLY ISSUED IN THAT NAME, REGARDLESS OF THE IDENTITY OF THE ACTUAL USER OF THE SERVICE. A CUSTOMER MAY TAKE FULL SERVICE OR DIRECT ACCESS SERVICE, BUT MUST TAKE FINAL DELIVERY OF ELECTRICAL POWER, AND NOT RESELL THAT POWER.

DEMAND

THE AMOUNT OF ENERGY DRAWN BY A CUSTOMER AT A SPECIFIC TIME. TYPICALLY EXPRESSED IN KILOWATTS OR KW.

DEMAND CHARGE

ONE COMPONENT OF AN ELECTRIC CUSTOMER'S BILL (ALONG WITH, BUT NOT LIMITED TO, THE CUSTOMER CHARGE, METER CHARGE, AND THE ENERGY CHARGE). THIS CHARGE RECOVERS SOME OF THE COSTS PG&E INCURS IN PROVIDING SUFFICIENT OPERATING CAPACITY TO MEET THAT CUSTOMER'S MAXIMUM DEMAND. THE DEMAND CHARGE IS BASED ON THE HIGHEST LEVEL OF KW REQUIRED BY THE CUSTOMER DURING A BILLING PERIOD.

DIRECT ACCESS METER

A METER MEETING THE COMMISSION'S REQUIREMENTS TO SUPPORT DIRECT ACCESS SERVICE TO A DIRECT ACCESS CUSTOMER NOT ELIGIBLE FOR A LOAD PROFILE.

DIRECT ACCESS SERVICE

DEFINED IN RULE 22.

DIRECT ACCESS SERVICE REQUEST (DASR)

AN APPLICATION FOR DIRECT ACCESS SERVICE SUBMITTED TO PG&E ON BEHALF OF A CUSTOMER BY AN ESP, AS DESCRIBED IN RULE 22.

DISTRIBUTION LOSS FACTORS

THE LOSS OF ENERGY OVER DISTRIBUTION LINES ARE CATEGORIZED INTO TWO DISTINCT LOSS FACTOR TYPES: DISTRIBUTION LINE LOSSES AND TOTAL DISTRIBUTION SYSTEM LOSSES.

DISTRIBUTION LINE LOSSES CONSIST OF:

- LOSSES DUE TO RESISTANCE IN THE DISTRIBUTION LINES
- TRANSFORMER CORE LOSSES

TOTAL DISTRIBUTION SYSTEM LOSSES CONSIST OF:

- DISTRIBUTION LINE LOSSES
- METERING ERROR - THE DIFFERENCE BETWEEN THE ACTUAL ELECTRIC USAGE AT THE METER AND THE RECORDED METER READ PLUS ANY DIFFERENCES DUE

TO MALFUNCTIONING METERS

- ENERGY THEFT - THE DELIBERATE AND UNAUTHORIZED USE OF ENERGY

DISTRIBUTION SERVICES	THE DELIVERY OF ELECTRICAL SUPPLY AND RELATED SERVICES BY PG&E TO A CUSTOMER OVER PG&E'S DISTRIBUTION SYSTEM.
DISTRIBUTION SYSTEM	THOSE NON-ISO TRANSMISSION AND DISTRIBUTION FACILITIES OWNED, CONTROLLED, AND OPERATED BY PG&E THAT ARE USED TO PROVIDE DISTRIBUTION SERVICE UNDER THESE TARIFFS.
ELECTRONIC DATA INTERCHANGE (EDI)	THE ELECTRONIC TRANSMISSION AND RECEIPT OF DATA AND/OR FUNDS IN AGREED UPON FORMATS IN ACCORDANCE WITH PG&E'S SPECIFICATIONS.
ELECTRIC SUPPLY OR PROCUREMENT SERVICES	INCLUDES, BUT IS NOT LIMITED TO, PROCUREMENT OF ELECTRIC ENERGY; ALL SCHEDULING; SETTLEMENT, AND OTHER INTERACTIONS WITH SCHEDULING COORDINATORS, THE ISO AND THE PX; ALL ANCILLARY SERVICES AND CONGESTION MANAGEMENT.
ENERGY SERVICE PROVIDER (ESP)	AN ENTITY WHO PROVIDES ELECTRIC SUPPLY SERVICES TO DA CUSTOMERS WITHIN PG&E'S SERVICE TERRITORY. AN ESP MAY ALSO PROVIDE CERTAIN METERING AND BILLING SERVICES TO ITS DA CUSTOMERS AS PROVIDED FOR WITHIN THESE TARIFFS.
FIXED TRANSITION AMOUNT (FTA) CHARGE	A NON-BYPASSABLE, SEPARATE CHARGE THAT IS AUTHORIZED BY THE COMMISSION TO BE CHARGED TO RESIDENTIAL AND SMALL COMMERCIAL CUSTOMERS TO ALLOW PG&E TO RECOVER FINANCED TRANSITION COSTS AND THE COSTS OF PROVIDING, RECOVERING, FINANCING OR REFINANCING TRANSITION COSTS, INCLUDING THE COSTS OF ISSUING, SERVICING, AND RETIRING RATE REDUCTION BONDS.
FULL SERVICE	AS DEFINED IN RULE 22.
GENERATION CUSTOMER	ANY PG&E ELECTRIC CUSTOMER WITH ELECTRIC GENERATION FACILITIES (INCLUDING BACK-UP GENERATION IN PARALLEL WITH PG&E) ON THE CUSTOMER'S SIDE OF THE INTERCONNECTION POINT.
INDEPENDENT SYSTEM OPERATOR (ISO)	THE CALIFORNIA INDEPENDENT SYSTEM OPERATOR CORPORATION, A STATE CHARTERED, NON-PROFIT CORPORATION THAT CONTROLS THE TRANSMISSION FACILITIES OF ALL PARTICIPATING TRANSMISSION OWNERS AND DISPATCHES CERTAIN GENERATING UNITS AND LOADS. THE ISO IS RESPONSIBLE FOR THE OPERATION AND CONTROL OF THE STATEWIDE TRANSMISSION GRID.
KILOWATT	1,000 WATTS; A WATT IS A UNIT OF ELECTRICAL POWER EQUAL TO A CURRENT OF ONE AMPERE UNDER ONE VOLT OF PRESSURE.
KILOWATT-HOUR	1,000 WATTS, OR ONE (1) KILOWATT OF ELECTRICITY USED FOR ONE HOUR.
LOAD PROFILES	AN APPROXIMATION OF A CUSTOMER'S ELECTRIC USAGE PATTERN AS APPROVED BY THE COMMISSION FOR CERTAIN PURPOSES SET FORTH IN PG&E'S TARIFFS.
MASTER-METERED CUSTOMER	A PG&E CUSTOMER WHO TAKES FULL OR DIRECT ACCESS SERVICE AT A SINGLE "MASTER METER" AND DISTRIBUTES ELECTRIC SUPPLY, BY ITS OWN MEANS, TO TENANTS WITHIN ITS OWN PREMESIS. THE AVAILABILITY OF MASTER METERING IS LIMITED BY RULE 18 AND THE P.U. CODE.

MASTER-METERING	WHERE PG&E INSTALLS ONE SERVICE AND METER SUPPLY MORE THAN ONE RESIDENCE, APARTMENT DWELLING UNIT, MOBILE HOME SPACE, STORE, OFFICE, ETC.
METER	THE INSTRUMENT THAT IS USED FOR MEASURING THE ELECTRICITY DELIVERED TO THE CUSTOMER. IN CERTAIN CIRCUMSTANCES, THE TERMS "METER" OR "METERING" ALSO INCLUDE RELATED METERING FACILITIES OR EQUIPMENT.
METER DATA MANAGEMENT AGENT (MDMA)	THE ENTITY THAT TAKES RAW METER OUTPUTS, VALIDATES THEM USING VALIDATION, EDITING, AND ESTIMATING RULES, ADDS COROLLARY INFORMATION NEEDED TO CHARACTERIZE THE CUSTOMER, AND MAKES COMPLETE CUSTOMER INFORMATION AVAILABLE TO OTHERS FOR USE IN VARIOUS APPLICATIONS.
METER SERVICE PROVIDER (MSP)	THE ENTITY THAT INSTALLS, VALIDATES, REGISTERS, AND MAINTAINS THE PHYSICAL METER REQUIRED ON A PREMISE TO MEASURE THE REQUIRED VARIABLES.
METERING FACILITIES OR METERING EQUIPMENT	A METER, ITS ASSOCIATED CURRENT AND POTENTIAL TRANSFORMERS, TEST FACILITIES, COMMUNICATION INTERFACES, AND OTHER ASSOCIATED METERING EQUIPMENT REQUIRED FOR THE MEASUREMENT OF SUPPLY DELIVERIES TO A CUSTOMER'S ACCOUNT.
OPTIONAL RATE SCHEDULES	COMMISSION-APPROVED RATE SCHEDULES FOR A CUSTOMER CLASS FROM WHICH ANY CUSTOMER IN THAT CLASS MAY CHOOSE. OPTIONAL RATE SCHEDULES DO NOT INCLUDE EXPERIMENTAL SCHEDULES OR SCHEDULES AVAILABLE AT THE SOLE OPTION OF PG&E.
PAID OR PAYMENT	FUNDS RECEIVED BY PG&E THROUGH THE POSTAL SERVICE, PG&E PAYMENT OFFICE, PG&E AUTHORIZED AGENT, OR DEPOSITED IN PG&E'S BANK ACCOUNT BY ELECTRONIC DATA INTERCHANGE.
PERSON	ANY INDIVIDUAL, PARTNERSHIP, CORPORATION, PUBLIC AGENCY, OR OTHER ORGANIZATION OPERATING AS A SINGLE ENTITY.
POWER EXCHANGE (PX)	THE CALIFORNIA POWER EXCHANGE CORPORATION, A STATE CHARTERED, NON-PROFIT ORGANIZATION CHARGED WITH ESTABLISHING A COMPETITIVE SPOT MARKET FOR ELECTRIC POWER THROUGH DAY AND HOUR AHEAD AUCTION OF GENERATION AND DEMAND BIDS, IN ACCORDANCE WITH THE PX TARIFF.
POWER EXCHANGE SUPPLY COST	PX SUPPLY COSTS WILL BE SHOWN AS EITHER THE COST OF PX ENERGY PURCHASED BY PG&E FOR A FULL SERVICE CUSTOMER'S USE, OR THE CREDIT FOR A DIRECT ACCESS CUSTOMER.
POWER FACTOR	THE PERCENT OF TOTAL POWER DELIVERY (KVA) WHICH DOES USEFUL WORK. FOR BILLING PURPOSES, AVERAGE POWER FACTOR IS CALCULATED FROM A TRIGONOMETRIC FUNCTION OF THE RATIO OF REACTIVE KILOVOLT-AMPERE-HOURS TO THE KILOWATT-HOURS CONSUMED DURING THE BILLING MONTH.
PREMISES	ALL OF THE REAL PROPERTY AND APPARATUS EMPLOYED IN A SINGLE ENTERPRISE ON AN INTEGRAL PARCEL OF LAND UNDIVIDED, EXCEPTING, IN THE CASE OF INDUSTRIAL, AGRICULTURAL, OIL FIELD, RESORT ENTERPRISES, AND PUBLIC OR QUASI-PUBLIC INSTITUTIONS, BY A DEDICATED STREET, HIGHWAY OR PUBLIC THOROUGHFARE OR RAILWAY. AUTOMOBILE PARKING LOTS CONSTITUTING PART OF LAND ADJACENT TO A SINGLE ENTERPRISE MAY BE SEPARATED BY AN ALLEY FROM THE REMAINDER OF THE PREMISES SERVED.
PUBLIC PURPOSE PROGRAMS	A NON-BYPASSABLE SURCHARGE IMPOSED ON ALL RETAIL SALES OF ELECTRICITY AND ELECTRICAL SERVICES TO FUND PUBLIC GOODS RESEARCH, DEVELOPMENT AND

CHARGES	DEMONSTRATION, ENERGY EFFICIENT ACTIVITIES, AND LOW INCOME ASSISTANCE PROGRAMS.
PUBLIC UTILITIES COMMISSION	THE PUBLIC UTILITIES COMMISSION OF THE STATE OF CALIFORNIA.
QUALIFIED CONTRACTOR/ SUBCONTRACTOR (QC/S)	<p>AN APPLICANT'S CONTRACTOR OR SUBCONTRACTOR WHO</p> <ul style="list-style-type: none"> • IS LICENSED IN CALIFORNIA FOR THE APPROPRIATE TYPE OF WORK SUCH AS, BUT NOT LIMITED TO, ELECTRICAL AND GENERAL; • EMPLOYS ELECTRIC WORKMEN PROPERLY QUALIFIED (QUALIFIED ELECTRICAL WORKER, QUALIFIED PERSON, ETC.) AS DEFINED IN STATE OF CALIFORNIA HIGH VOLTAGE SAFETY ORDERS (TITLE 8, CHAPTER 4, SUBCHAPTER 5, GROUP 2); AND • COMPLIES WITH APPLICABLE LAWS SUCH AS BUT NOT LIMITED TO, EQUAL OPPORTUNITY REGULATIONS, OSHA, AND EPA
RATE SCHEDULE	ONE OR MORE TARIFF SHEET(S) SETTING FORTH THE CHARGES AND CONDITIONS FOR A PARTICULAR CLASS OR TYPE OF SERVICE IN A GIVEN AREA OR LOCATION. A RATE SCHEDULE INCLUDES ALL OF THE WORDING ON THE APPLICABLE TARIFF SHEET(S), SUCH AS SCHEDULE NUMBER, TITLE, CLASS OF SERVICE, APPLICABILITY, TERRITORY, RATES, CONDITIONS, AND REFERENCES TO RULES.
RULES	TARIFF SHEETS WHICH COVER THE APPLICATION OF ALL RATES, CHARGES, AND SERVICES WHEN SUCH APPLICABILITY IS NOT SET FORTH IN AND AS PART OF THE RATE SCHEDULES.
SCHEDULED METER READING DATE	THE DATE PG&E HAS SCHEDULED A CUSTOMER'S METER TO BE READ FOR THE PURPOSES OF ENDING THE CURRENT BILLING CYCLE AND BEGINNING A NEW ONE. PG&E'S METER READING SCHEDULE IS PUBLISHED ANNUALLY, BUT IS SUBJECT TO PERIODIC CHANGE.
SCHEDULING COORDINATOR	AN ENTITY MEETING REQUIREMENTS AS SET FORTH BY THE COMMISSION, FERC, AND THESE TARIFFS.
SETTLEMENT QUALITY DATA	WITH RESPECT TO METERING, VALIDATED OR ESTIMATED INTERVAL DATA THAT IS FORMATTED INTO HOURLY USAGE DATA. THIS DATA INCLUDES MONTHLY CUMULATIVE DATA THAT HAS BEEN CONVERTED TO AN HOURLY FORMAT BY THE APPLICATION OF AN APPROVED LOAD PROFILE.
SETTLEMENT READY DATA	WITH RESPECT TO METERING, SETTLEMENT QUALITY DATA THAT HAS HAD THE APPROPRIATE DISTRIBUTION LOSS FACTORS APPLIED AND IS AGGREGATED FOR DELIVERY TO THE SCHEDULING COORDINATOR.
SUBMETERING	WHERE THE MASTER-METERED CUSTOMER INSTALLS, OWNS, MAINTAINS, AND READS THE METERS FOR BILLING THE TENANTS IN ACCORDANCE WITH RULE 18.
TARIFFS	THE ENTIRE BODY OF EFFECTIVE RATES, RENTALS, CHARGES, AND RULES, COLLECTIVELY, OF PG&E, INCLUDING TITLE PAGE, PRELIMINARY STATEMENT, RATE SCHEDULES, RULES, SAMPLE FORMS, SERVICE AREA MAPS, AND A LIST OF CONTRACTS AND DEVIATIONS.
TARIFF SHEET	AN INDIVIDUAL SHEET OF TARIFF SCHEDULES.
TIME-OF-USE	RATE OPTION THAT PRICES ELECTRICITY ACCORDING TO THE SEASON OR TIME OF DAY THAT IT IS USED. SUCH USAGE IS AGGREGATED INTO DISCRETE TIME PERIODS, WHICH ARE CALLED

"TOU" PERIODS AND ARE AS SPECIFIED IN THE PG&E RATE SCHEDULES.

**TRANSMISSION LOAD
CUSTOMER**

A PG&E ELECTRIC CUSTOMER, INTERCONNECTED TO PG&E'S POWER SYSTEM AT A TRANSMISSION LEVEL VOLTAGE, WHO HAS NO GENERATION OF ITS OWN PARALLELED WITH THE PG&E SYSTEM AND IS NOT INTERCONNECTED WITH ANY GENERATION SOURCE OTHER THAN PG&E.

UTILITY

PACIFIC GAS AND ELECTRIC COMPANY (PG&E).

UTILITY USERS TAX

A TAX IMPOSED BY LOCAL GOVERNMENTS ON PG&E'S CUSTOMERS. PG&E IS REQUIRED TO BILL CUSTOMERS WITHIN THE CITY OR COUNTY FOR THE TAXES DUE, COLLECT THE TAXES FROM CUSTOMERS, AND THEN PAY THE TAXES TO THE CITY OR COUNTY. THE TAX IS CALCULATED AS A PERCENTAGE OF THE CHARGES BILLED BY PG&E FOR ENERGY USE.

Appendix A

Meter Read Schedule

The meter read schedule below applies to the 1998 calendar year. Alphabetical letters in the left column of the schedule correspond to the first character of the customer account number.

Pacific Gas and Electric Company		1998 METER READING SCHEDULE												Issued by: Customer Revenue Transactions Date: October 1997 71-5873	
1st LETTER OF ACCOUNT NUMBER	JAN	FEB	MAR	APR	MAY	JUNE	JULY	AUG	SEPT	OCT	NOV	DEC	1st LETTER OF ACCOUNT NUMBER		
	DATE - DAYS	DATE - DAYS	DATE - DAYS	DATE - DAYS	DATE - DAYS	DATE - DAYS	DATE - DAYS	DATE - DAYS	DATE - DAYS	DATE - DAYS	DATE - DAYS	DATE - DAYS			
B	12/31 29	1/30 30	3 32	2 30	1 29	2 32	1 29	7/31 30	8/31 31	9/30 30	10/29 29	1 33	B		
C	2 30	2 31	4 30	3 30	4 31	3 30	2 29	3 32	1 29	1 30	10/30 29	2 33	C		
D	5 32	3 29	5 30	6 32	5 29	4 30	3* 29	4 32	2 29	2* 30	2 31	3 31	D		
F	6 32	4 29	6 30	7 32	6 29	5 30	6 31	5 30	3 29	5 32	3 29	4 31	F		
G	7 32	5 29	9 32	8 30	7 29	8 32	7 29	6 30	4 29	6 32	4 29	5 31	G		
H	8 31	6 29	10 32	9 30	8 29	9 32	8 29	7 30	8 32	7 29	5 29	7 32	H		
J	9 31	9 31	11 30	10 30	11 31	10 30	9 29	10 32	9 30	8 29	6 29	8 32	J		
K	10 31	10 31	12 30	13 32	12 29	11 30	10 29	11 32	10 30	9 29	7 29	9 32	K		
L	12 32	11 30	13 30	14 32	13 29	12 30	13 31	12 30	11 30	12 31	9 28	10 31	L		
M	13 32	12 30	16 32	15 30	14 29	15 32	14 29	13 30	14 32	13 29	10 28	11 31	M		
N	14 30	13 30	17 32	16 30	15 29	16 32	15 29	14 30	15 32	14 29	12 29	14 32	N		
P	15 30	17 33	18 29	17 30	18 31	17 30	17 30	17 31	16 30	15 29	13 29	15 32	P		
Q	16 30	18 33	20 30	20 31	19 29	18 30	20 32	18 29	17 30	16 29	16 31	16 30	Q		
R	20 33	19 30	23 32	21 29	20 29	19 30	21 32	19 29	18 30	19 31	17 29	17 30	R		
S	21 33	20 30	24 32	22 29	21 29	22 32	22 30	20 29	21 32	20 29	18 29	18 30	S		
T	22 31	23 32	25 30	23 29	22 29	23 32	23 30	21 29	22 32	21 29	19 29	21 32	T		
V	23 31	24 32	26 30	24 29	26 32	24 29	24 30	24 31	23 30	22 29	20 29	22 32	V		
W	26 33	25 30	27 30	27 31	27 30	25 29	27 32	25 29	24 30	23 29	23 31	23 30	W		
X	27 32	26 30	30 32	28 29	28 30	26 29	28 32	26 29	25 30	26 31	24 29	24 30	X		
Y	28 30	27 30	31 32	29 29	29 30	29 31	29 30	27 29	28 32	27 29	25 29	28 33	Y		
Z	29 30	3/2 32	4/1 30	30 29	6/1 32	30 29	30 30	28 29	29 32	28 29	30 33	29 29	Z		
SATURDAY READ DAYS	Jan 10										Nov 7	Dec 5	SATURDAY READ DAYS		
NON-READ DAYS			Mar 19				Jul 16					Dec 30, 31	NON-READ DAYS		
HOLIDAYS	Jan 1, 19	Feb 16			May 25		Jul 4		Sep 7		Nov 11, 26, 27	Dec 25	HOLIDAYS		
AVERAGE DAYS	31.2	30.5	30.8	30.1	29.7	30.5	30.0	30.1	30.5	29.7	29.4	31.3	AVERAGE DAYS		

NOTE: Some routes are not read on the scheduled date, and should this occur, the number of billing days will vary from that designated.
 *EARLY REVENUE CLOSING. ALL COMPLETE ROUTES (B-Z) FOR PRIOR MONTH MUST BE RECEIVED BY CUSTOMER REVENUE TRANSACTIONS BY THIS DATE.

Appendix B

Service Territory areas & Divisions

This section was last updated on: 1/1/98

City Code letters correspond to the second and third characters of the customer account number.

CITY CODE	CITY NAME	DIVISION	COUNTY
LF	EUREKA	NORTH COAST	HUMBOLDT
LF	CUTTEN	NORTH COAST	HUMBOLDT
LF	ELK RIVER	NORTH COAST	
LF	FAIRHAVEN	NORTH COAST	
LF	FLIEDBROOK	NORTH COAST	HUMBOLDT
LF	FIELDS LANDING	NORTH COAST	
LF	FRESHWATER	NORTH COAST	HUMBOLDT
LF	HUMBOLDT HILL	NORTH COAST	HUMBOLDT
LF	JACOBY CREEK	NORTH COAST	
LF	KING SALMON	NORTH COAST	
LF	KNEELAND	NORTH COAST	
LF	KORBEL	NORTH COAST	
LF	LOLETA	NORTH COAST	
LF	MANILA	NORTH COAST	
LF	MAPLE CREEK	NORTH COAST	
LF	MC KINLEYVILLE	NORTH COAST	HUMBOLDT
LF	MOONSTONE BEACH	NORTH COAST	
LF	ORICK	NORTH COAST	
LF	PEPPERWOOD	NORTH COAST	

CITY CODE	CITY NAME	DIVISION	COUNTY
LF	PRAIRIE CREEK	NORTH COAST	
LF	ROHNERVILLE	NORTH COAST	
LF	SAMOA	NORTH COAST	
LF	SHIVELY	NORTH COAST	
LF	SPRUCE POINT	NORTH COAST	
LF	STONE LAGOON	NORTH COAST	
LF	SUNNYBRAE	NORTH COAST	
LF	SWAINS FLAT	NORTH COAST	
LF	TRINIDAD	NORTH COAST	MENDICINO
LF	WESTHAVEN	NORTH COAST	MENDICINO
LJ	FORTUNA	NORTH COAST	HUMBOLT
LJ	ALTON		
LJ	BRIDGEVILLE		
LJ	CARLOTTA		
LJ	CENTERVILLE		
LJ	DINSMORE		
LJ	FERNBRIDGE		
LJ	FERNDALE		HUMBOLT
LJ	FORTUNA		
LJ	GRIZZLEY BLUFF		
LJ	HOLMES		
LJ	HONEYDEW		
LJ	HYDESVILLE		
LJ	LOLETA		

CITY CODE	CITY NAME	DIVISION	COUNTY
LJ	MAD RIVER		
LJ	PETROLIA		
LJ	REDCREST		
LJ	RIO DELL		
LJ	RIO DELL		
LJ	RUTH		
LJ	SCOTIA		
LM	GARBERVILLE	NORTH COAST	HUMBOLDT
LM	ALDERPOINT	NORTH COAST	HUMBOLDT
LM	BELL SPRINGS	NORTH COAST	HUMBOLDT
LM	BENBOW	NORTH COAST	HUMBOLDT
LM	BLOCKSBURG	NORTH COAST	HUMBOLDT
LM	BRICELAND	NORTH COAST	HUMBOLDT
LM	CUMMINGS	NORTH COAST	HUMBOLDT
LM	EEL ROCK	NORTH COAST	HUMBOLDT
LM	ETTERSBURG	NORTH COAST	HUMBOLDT
LM	FORT SEWARD	NORTH COAST	HUMBOLDT
LM	FRUITLAND	NORTH COAST	HUMBOLDT
LM	GARBERVILLE	NORTH COAST	HUMBOLDT
LM	HALES GROVE	NORTH COAST	HUMBOLDT
LM	HARRIS	NORTH COAST	HUMBOLDT
LM	HONEYDEW	NORTH COAST	HUMBOLDT
LM	ISLAND MOUNTAIN	NORTH COAST	HUMBOLDT
LM	KETTENPOM	NORTH COAST	HUMBOLDT

CITY CODE	CITY NAME	DIVISION	COUNTY
LM	LAYTONVILLE	NORTH COAST	HUMBOLDT
LM	LEGGETT	NORTH COAST	HUMBOLDT
LM	MC CANN	NORTH COAST	HUMBOLDT
LM	MIRANDA	NORTH COAST	HUMBOLDT
LM	MYERS FLAT	NORTH COAST	HUMBOLDT
LM	PETROLIA	NORTH COAST	HUMBOLDT
LM	PHILLIPSVILLE	NORTH COAST	HUMBOLDT
LM	PIERCY	NORTH COAST	HUMBOLDT
LM	REDWAY	NORTH COAST	HUMBOLDT
LM	RICHARDSON GROVE	NORTH COAST	HUMBOLDT
LM	WEOTT	NORTH COAST	HUMBOLDT
LM	WHITETHORN	NORTH COAST	HUMBOLDT
LM	ZENIA	NORTH COAST	HUMBOLDT
LW	WILLOW CREEK	NORTH COAST	HUMBOLDT
LW	BLUE LAKE	NORTH COAST	HUMBOLDT
LW	BURNT RANCH	NORTH COAST	
LW	CEDAR FLAT	NORTH COAST	
LW	DEL LOMA	NORTH COAST	
LW	HAWKINS BAR	NORTH COAST	
LW	HOOPA	NORTH COAST	
LW	ORLEANS	NORTH COAST	
LW	REDWOOD CREEK	NORTH COAST	
LW	REDWOOD VALLEY	NORTH COAST	MENDICINO
LW	SALYER	NORTH COAST	

CITY CODE	CITY NAME	DIVISION	COUNTY
LW	SOMES BAR	NORTH COAST	
LW	WEITCHPEC	NORTH COAST	
NC	GEYSERVILLE	NORTH COAST	SONOMA
NG	GUERNEVILLE	NORTH COAST	MENDICINO
NG	BODEGA BAY	NORTH COAST	SONOMA
NG	CAMP MEEKER	NORTH COAST	SONOMA
NG	CAZADERO	NORTH COAST	SONOMA
NG	DUNCAN MILLS	NORTH COAST	SONOMA
NG	FORESTVILLE	NORTH COAST	SONOMA
NG	FORT ROSS	NORTH COAST	SONOMA
NG	HACIENDA	NORTH COAST	
NG	HILTON	NORTH COAST	
NG	IOOF PARK	NORTH COAST	
NG	JENNER	NORTH COAST	SONOMA
NG	MONTE RIO	NORTH COAST	SONOMA
NG	NORTHWOOD	NORTH COAST	
NG	OCCIDENTIAL	NORTH COAST	
NG	RIO NIDO	NORTH COAST	
NG	SALMON CREEK	NORTH COAST	SONOMA
NG	SEAVIEW	NORTH COAST	
NG	SEBASTOPOL	NORTH COAST	SONOMA
NG	VACATION BEACH	NORTH COAST	
NG	VILLA GRANDE	NORTH COAST	
NJ	LAKEPORT	NORTH COAST	LAKE

CITY CODE	CITY NAME	DIVISION	COUNTY
NJ	ADAMS SPRINGS	NORTH COAST	
NJ	ANDERSON SPRINGS	NORTH COAST	
NJ	BACHELOR VALLEY	NORTH COAST	
NJ	BUCKINGHAM PARK	NORTH COAST	
NJ	CLEARLAKE	NORTH COAST	LAKE
NJ	CLEARLAKE OAKS	NORTH COAST	LAKE
NJ	CLEARLAKE PARK	NORTH COAST	LAKE
NJ	COBB	NORTH COAST	
NJ	FINLEY	NORTH COAST	
NJ	GLENHAVEN	NORTH COAST	
NJ	HOBERGS	NORTH COAST	
NJ	KELSEYVILLE	NORTH COAST	LAKE
NJ	LOCH LOMOND	NORTH COAST	
NJ	LOWER LAKE	NORTH COAST	LAKE
NJ	LUCERNE	NORTH COAST	LAKE
NJ	MIDDLETOWN	NORTH COAST	LAKE
NJ	NICE	NORTH COAST	LAKE
NJ	SIEGLER SPRINGS	NORTH COAST	
NJ	UPPER LAKE	NORTH COAST	
NJ	WHISPERING PINE	NORTH COAST	
NJ	WITTER SPRINGS	NORTH COAST	
NL	NAPA	NORTH BAY	NAPA
NL	ANGWIN	NORTH BAY	NAPA
NL	CALISTOGA	NORTH BAY	NAPA

CITY CODE	CITY NAME	DIVISION	COUNTY
NL	CHILES VALLEY	NORTH BAY	
NL	DEER PARK	NORTH BAY	NAPA
NL	FRANZ VALLEY	NORTH BAY	
NL	LAKE BERRYESSA	NORTH BAY	
NL	OAKVILLE	NORTH BAY	
NL	POPE VALLEY	NORTH BAY	
NL	RUTHERFORD	NORTH BAY	
NL	SAINT HELENA	NORTH BAY	
NL	SPANISH FLAT	NORTH BAY	
NL	SUISUN	NORTH BAY	
NL	WOODEN VALLEY	NORTH BAY	
NL	YOUNTVILLE	NORTH BAY	NAPA
NN	PETALUMA	NORTH COAST	SONOMA
NN	BLAKES LANDING	NORTH COAST	
NN	COTATI	NORTH COAST	SONOMA
NN	DILLON BEACH	NORTH COAST	SONOMA
NN	FALLON	NORTH COAST	
NN	HAMLET	NORTH COAST	
NN	MARSHALL	NORTH COAST	
NN	PENNGROVE	NORTH COAST	
NN	ROHNERT PARK (SOUTH)	NORTH COAST	SONOMA
NN	TOMALES	NORTH COAST	SONOMA
NN	TWO ROCK	NORTH COAST	SONOMA
NN	WHITE HALL	NORTH COAST	

CITY CODE	CITY NAME	DIVISION	COUNTY
NQ	SAN RAFAEL	NORTH BAY	MARIN
NQ	ALTO	NORTH BAY	
NQ	BELVEDERE	NORTH BAY	MARIN
NQ	BLACK POINT	NORTH BAY	
NQ	BOLINAS	NORTH BAY	
NQ	CORTE MADERA	NORTH BAY	MARIN
NQ	FAIRFAX	NORTH BAY	MARIN
NQ	FOREST KNOLLS	NORTH BAY	MARIN
NQ	GREENBRAE	NORTH BAY	MARIN
NQ	HAMILTON FIELD	NORTH BAY	
NQ	IGNACIO	NORTH BAY	MARIN
NQ	INVERNESS	NORTH BAY	MARIN
NQ	KENTFIELD	NORTH BAY	MARIN
NQ	LAGUNITAS	NORTH BAY	MARIN
NQ	LARKSPUR	NORTH BAY	MARIN
NQ	MARINWOOD	NORTH BAY	MARIN
NQ	MARSHALL	NORTH BAY	
NQ	MILL VALLEY	NORTH BAY	MARIN
NQ	MUIR BEACH	NORTH BAY	
NQ	NICASIO	NORTH BAY	
NQ	NOVATO	NORTH BAY	MARIN
NQ	OLEMA	NORTH BAY	
NQ	PETALUMA	NORTH BAY	SONOMA
NQ	POINT REYES	NORTH BAY	

CITY CODE	CITY NAME	DIVISION	COUNTY
NQ	POINT REYES STATION	NORTH BAY	
NQ	ROSS	NORTH BAY	MARIN
NQ	SAN ANSELMO	NORTH BAY	MARIN
NQ	SAN GERONIMO	NORTH BAY	
NQ	SAUSALITO	NORTH BAY	MARIN
NQ	SONOMA	NORTH BAY	SONOMA
NQ	STINSON BEACH	NORTH BAY	
NQ	STRAWBERRY POINT	NORTH BAY	MARIN
NQ	TERRA LINDA	NORTH BAY	
NQ	TIBURON	NORTH BAY	MARIN
NQ	TOCOLOMA	NORTH BAY	
NQ	WOODACRE	NORTH BAY	MARIN
NR	BLOOMFIELD	NORTH COAST	
NR	BODEGA	NORTH COAST	SONOMA
NR	BODEGA BAY	NORTH COAST	SONOMA
NR	CUNNINGHAM	NORTH COAST	
NR	FORESTVILLE	NORTH COAST	
NR	FREESTONE	NORTH COAST	
NR	FULTON	NORTH COAST	
NR	GRATON	NORTH COAST	SONOMA
NR	HOLLYDALE PARK	NORTH COAST	
NR	KENWOOD	NORTH COAST	SONOMA
NR	LARKFIELD	NORTH COAST	SONOMA
NR	MIRABLE PARK MOLINO	NORTH COAST	

CITY CODE	CITY NAME	DIVISION	COUNTY
NR	OCCIDENTAL	NORTH COAST	
NR	PETALUMA	NORTH COAST	SONOMA
NR	RIO DELL	NORTH COAST	HUMBOLDT
NR	ROHNERT PARK (SOUTH)	NORTH COAST	SONOMA
NR	SANTA ROSA	NORTH COAST	SONOMA
NR	SEBASTOPOL	NORTH COAST	SONOMA
NR	SUMMERHOME PARK	NORTH COAST	
NR	VALLEY FORD	NORTH COAST	SONOMA
NR	WINDSOR	NORTH COAST	SONOMA
NV	SONOMA	NORTH COAST	SONOMA
NX	UKIAH	NORTH COAST	MENDICINO
NX	BOONVILLE	NORTH COAST	MENDICINO
NX	BRANSCOMB	NORTH COAST	
NX	CALPELLA	NORTH COAST	
NX	COLD CREEK	NORTH COAST	
NX	COMPTCHE	NORTH COAST	
NX	COVELO	NORTH COAST	MENDICINO
NX	DOS RIOS	NORTH COAST	
NX	HOPLAND	NORTH COAST	
NX	LARGO	NORTH COAST	
NX	LAYTONVILLE	NORTH COAST	MENDICINO
NX	LONGVALE	NORTH COAST	
NX	NARARRO	NORTH COAST	
NX	ORRS HOT SPRINGS	NORTH COAST	

CITY CODE	CITY NAME	DIVISION	COUNTY
NX	PHILO	NORTH COAST	
NX	POTTER VALLEY	NORTH COAST	MENDICINO
NX	REDWOOD VALLEY	NORTH COAST	MENDICINO
NX	TALMAGE	NORTH COAST	MENDICINO
NX	UKIAH	NORTH COAST	MENDICINO
NX	VAN ARSDALE	NORTH COAST	
NX	VICHY SPRINGS	NORTH COAST	
NX	WILLITS	NORTH COAST	MENDICINO
NX	YORKVILLE	NORTH COAST	
NY	VALLEJO	NORTH BAY	SOLANO
NY	AMERICAN CANYON	NORTH BAY	SOLANO
NY	BENICIA	NORTH BAY	SOLANO
RB	BRISBANE	PENINSULA	SAN MATEO
RB	COLMA	PENINSULA	SAN MATEO
RB	DALY CITY	PENINSULA	SAN MATEO
RB	PACIFICIA	PENINSULA	SAN MATEO
RB	SAN BRUNO	PENINSULA	SAN MATEO
RB	SO. SAN FRANCISCO	PENINSULA	SAN MATEO
RB`	MILLBRAE	PENINSULA	SAN MATEO
RG	PRESIDIO	SAN FRANCISCO	SAN FRANCISCO
RG	SAN FRANCISCO	SAN FRANCISCO	SAN FRANCISCO
RH	EL GRANADA	PENINSULA	SAN MATEO
RH	HALF MOON BAY	PENINSULA	SAN MATEO
RH	LA HONDA	PENINSULA	SAN MATEO

CITY CODE	CITY NAME	DIVISION	COUNTY
RH	LOMA MAR	PENINSULA	SAN MATEO
RH	MARTINS BEACH	PENINSULA	SAN MATEO
RH	MONTARA	PENINSULA	SAN MATEO
RH	MOSS BEACH	PENINSULA	SAN MATEO
RH	PESCADERO	PENINSULA	SAN MATEO
RH	PRINCETON	PENINSULA	SAN MATEO
RH	SAN GREGORIO	PENINSULA	SAN MATEO
RH	BELMONT	PENINSULA	SAN MATEO
RH	EAST PALO ALTO	PENINSULA	SAN MATEO
RH	HILLSBOROUGH	PENINSULA	SAN MATEO
RH	MENLO PARK	PENINSULA	SAN MATEO
RH	REDWOOD CITY	PENINSULA	SAN MATEO
RH	SAN MATEO	PENINSULA	SAN MATEO
RH	STANFORD UNIVERSITY	PENINSULA	SAN MATEO
RN	BELMONT	PENINSULA	SAN MATEO
RN	ATHRTON	PENINSULA	SAN MATEO
RN	BURLINGAME	PENINSULA	SAN MATEO
RN	FOSTER CITY	PENINSULA	SAN MATEO
RN	LA HONDA	PENINSULA	SAN MATEO
RN	PORTOLA VALLEY	PENINSULA	SAN MATEO
RN	SAN CARLOS	PENINSULA	SAN MATEO
RN	SKY LONDA	PENINSULA	SAN MATEO
RN	WOODSIDE	PENINSULA	SAN MATEO
RN	WOODSIDE	PENINSULA	SAN MATEO

Appendix C

Metering Phone Service Providers

This section was last updated on: 1/1/98

The following phone service providers listed in the table below are serving PG&E service territories.

PROVIDER	TELEPHONE NUMBER
LAND LINE PROVIDERS:	
CITIZEN UTILITY	800-921-8102 OR 800-921-8101 (FOR SPECIFIC AREAS)916-458-2141
CONTEL/GTE	800-927-7162
EVAN TELEPHONE	209-394-4000
GTE	800-344-4831
KERMAN TELEPHONE	209-846-9313
PACIFIC BELL	888-660-8016
PONDEROSA TELEPHONE	209-868-3312
SIERRA TELEPHONE	209-683-4611
VOLCANO TELEPHONE	888-886-5226209-296-7502
WIRELESS PROVIDERS (* DENOTES CELLULAR ONE/ AT&T PHONE NUMBERS):	
AIR TOUCH CELLULAR	800-722-8358
BAKERSFIELD *	805-327-8700
SAN FRANCISCO BAY AREA*	510-409-7799
FRESNO*	209-437-2330
GTE CELLULAR	800-767-5885
LA CELLULAR	714-267-4775

PROVIDER	TELEPHONE NUMBER
MODESTO*	209-581-1980
MONTEREY/SALINAS*	408-595-0044
NAPA/SANTA ROSA*	707-484-4001
SACRAMENTO*	916-425-2700
SANTA CRUZ*	408-332-1186
STOCKTON*	209-482-2200
VACAVILLE/FAIRFIELD*	707-486-8333

Appendix D

DA Approved Meters

This section was last updated on: 2/13/98

The table below lists the makes and models of currently approved DA meters. The contents of the list is subject to change. The list has been provided for informational purposes only.

MAKE	MODEL
PSI	QUAD 4
SCHLUMBERGER	VECTRON LXS