

## SDG&E MDMA DATA ELEMENTS

The following is being provided to clarify what data elements and labels SDG&E would expect to provide and eventually receive in the MDMA CMEP meter data files.

Fifteen minute interval data is required for these tariffs/rates - **A6TOU, I3, NJ, AV1, AV2, AV3, RTP1, RTP2, and PAT1 option A.**

Fifteen minute interval data is optional for all other rates. As an alternative to fifteen minute interval data, SDG&E will provide register data for the following tariffs according to the data element table and time schedule associated with each tariff. All demand values are based on 15 minute intervals. If you have questions about the tariffs, they can be found on our web page at <http://www.sdge.com/tariff/>.

Although not currently feasible, SDG&E also **plans** to be able to accept register data for these tariffs according to this data element table sometime during 1998.

### A, ATC, DR, DRL1, DS, DT, DM, DTRV, PA, & LS3

Unit Measure	Season	Data Label	Reporting
KWHREG		TOTAL	Total kWh READ
KWH		TOTAL	Total kWh USAGE

### AD

Unit Measure	Season	Data Label	Reporting
KWHREG		TOTAL	Total kWh READ
KWH		TOTAL	Total kWh USAGE
KWREG		TOTAL	Max kW DEMAND READ
KW		TOTAL	Max kW DEMAND

**Notes for AD rate:** Many of the meters we use for the AD tariff (a closed rate) provide more data than is required for the rate. They are Time of Use meters that provide reads and consumption for the on-peak, off-peak, and semi-peak periods and the billing system determines the maximum demand among them. In that case the data provided would be the same as the ALTOU tariff on the following page.

**ALTOU, AOTOU, AYTOU, LR, & PAT 1 option F**

<b>Unit Measure</b>	<b>Season</b>	<b>Data Label</b>	<b>Reporting</b>
KWHREG	SUMMER	TOTAL	Summer total kWh READ
KWH	SUMMER	TOTAL	Summer total kWh USAGE
KWHREG	SUMMER	ON-PEAK	Summer on peak kWh READ
KWH	SUMMER	ON-PEAK	Summer on peak kWh USAGE
KWREG	SUMMER	ON-PEAK	Summer on peak Max kW DEMAND READ
KW	SUMMER	ON-PEAK	Summer on peak Max kW DEMAND
KWHREG	SUMMER	SEMI-PEAK	Summer semi on peak kWh READ
KWH	SUMMER	SEMI-PEAK	Summer semi on peak kWh USAGE
KWREG	SUMMER	SEMI-PEAK	Summer semi on peak Max kW DEMAND READ
KW	SUMMER	SEMI-PEAK	Summer semi on peak Max kW DEMAND
KWHREG	SUMMER	OFF-PEAK	Summer off peak kWh READ
KWH	SUMMER	OFF-PEAK	Summer off peak kWh USAGE
KWREG	SUMMER	OFF-PEAK	Summer off peak Max kW DEMAND READ
KW	SUMMER	OFF-PEAK	Summer off peak Max kW DEMAND
KWHREG	WINTER	TOTAL	Winter total kWh READ
KWH	WINTER	TOTAL	Winter total kWh USAGE
KWHREG	WINTER	ON-PEAK	Winter on peak kWh READ
KWH	WINTER	ON-PEAK	Winter on peak kWh USAGE
KWREG	WINTER	ON-PEAK	Winter on peak Max kW DEMAND READ
KW	WINTER	ON-PEAK	Winter on peak Max kW DEMAND
KWHREG	WINTER	SEMI-PEAK	Winter semi on peak kWh READ
KWH	WINTER	SEMI-PEAK	Winter semi on peak kWh USAGE
KWREG	WINTER	SEMI-PEAK	Winter semi on peak Max kW DEMAND READ
KW	WINTER	SEMI-PEAK	Winter semi on peak Max kW DEMAND
KWHREG	WINTER	OFF-PEAK	Winter off peak kWh READ
KWH	WINTER	OFF-PEAK	Winter off peak kWh USAGE
KWREG	WINTER	OFF-PEAK	Winter off peak Max kW DEMAND READ
KW	WINTER	OFF-PEAK	Winter off peak Max kW DEMAND

**Time Periods**

	<u>Summer - May 1 - Sept 30</u>	<u>Winter - All Other</u>
On-Peak	11AM - 6PM weekdays	5PM - 8 PM weekdays
Semi- Peak	6 AM - 11 AM weekdays 6 PM - 10 PM weekdays	6 AM - 5 PM weekdays 8 PM - 10 PM weekdays
Off - Peak	10 PM - 6 AM weekdays Plus weekends & holidays	10 PM - 6 AM weekdays Plus weekends & holidays

**All periods are based on local time and exclude signaled periods.** The **Holidays** shall be New Year's Day, President's Day, Memorial Day, Independence Day, Labor Day, Veterans Day, Thanksgiving Day, and Christmas Day. When a Holiday listed above falls on Sunday, the following Monday shall be defined as a Holiday. Friday will not be recognized as a Holiday when a Holiday listed above falls on a Saturday.

### PAT1 options B, C, D, & E

Unit Measure	Season	Data Label	Reporting
KWHREG		TOTAL	Total kWh READ
KWH		TOTAL	Total kWh USAGE
KWHREG		ON-PEAK	On peak kWh READ
KWH		ON-PEAK	On peak kWh USAGE
KWHREG		ON-PEAK-2	On peak 2 kWh READ
KWH		ON-PEAK-2	On peak 2 kWh USAGE
KWHREG		SEMI-PEAK	Semi on peak kWh READ
KWH		SEMI-PEAK	Semi on peak kWh USAGE
(KWH)		(OFF-PEAK)	Off peak kWh USAGE <b>DERIVED<sub>1</sub></b>
KWREG	SUMMER	ON-PEAK	Summer on peak Max kW DEMAND READ
KW	SUMMER	ON-PEAK	Summer on peak Max kW DEMAND
KWREG	SUMMER	SEMI-PEAK	Summer semi on peak Max kW DEMAND READ
KW	SUMMER	SEMI-PEAK	Summer semi on peak Max kW DEMAND
KWREG	SUMMER	SEMI-PEAK-2	Summer semi on peak-2 Max kW DEMAND READ
KW	SUMMER	SEMI-PEAK-2	Summer semi on peak-2 Max kW DEMAND
KWREG	WINTER	ON-PEAK	Winter on peak Max kW DEMAND READ
KW	WINTER	ON-PEAK	Winter on peak Max kW DEMAND
KWREG	WINTER	SEMI-PEAK	Winter semi on peak Max kW DEMAND READ
KW	WINTER	SEMI-PEAK	Winter semi on peak Max kW DEMAND
KWREG	WINTER	SEMI-PEAK-2	Winter semi on peak-2 Max kW DEMAND READ
KW	WINTER	SEMI-PEAK-2	Winter semi on peak-2 Max kW DEMAND

### Time Periods

#### OPTION B

#### Energy Charges

	<u>Summer - May 1 - Sept 30</u>	<u>Winter - All Other</u>
On-Peak	12 Noon - 3 PM weekdays	5PM - 8 PM weekdays
On-Peak 2	11AM -12 Noon weekdays	
	3 PM - 6 PM weekdays	
Semi- Peak	6 AM - 11 AM weekdays	6 AM - 5 PM weekdays
	6 PM - 10 PM weekdays	8 PM - 10 PM weekdays
Off - Peak	10 PM - 6 AM weekdays	10 PM - 6 AM weekdays
	Plus weekends & holidays	Plus weekends & holidays

- This field is derived by the SDG&E billing system from the other registers. It will be provided by SDG&E on output and ignored on input.

## PAT1 options B, C, D, & E continued

### Option B

#### Demand Charges

	<u>Summer - May 1 - Sept 30</u>	<u>Winter - All Other</u>
On-Peak	12 Noon - 3 PM weekdays	5PM - 8 PM weekdays
Semi- Peak	11 AM - 12 NOON weekdays 3 PM - 6 PM weekdays	
Semi- Peak 2	6 AM - 11 AM weekdays 6 PM - 10 PM weekdays	6 AM - 5 PM weekdays 8 PM - 10 PM weekdays
Off - Peak	10 PM - 6 AM weekdays Plus weekends & holidays	10 PM - 6 AM weekdays Plus weekends & holidays

### OPTION C

#### Energy Charges

	<u>Summer - May 1 - Sept 30</u>	<u>Winter - All Other</u>
On-Peak	12 Noon - 4 PM weekdays	5PM - 8 PM weekdays
On-Peak 2	11AM -12 Noon weekdays 4 PM - 6 PM weekdays	
Semi- Peak	6 AM - 11 AM weekdays 6 PM - 10 PM weekdays	6 AM - 5 PM weekdays 8 PM - 10 PM weekdays
Off - Peak	10 PM - 6 AM weekdays Plus weekends & holidays	10 PM - 6 AM weekdays Plus weekends & holidays

### Option C

#### Demand Charges

	<u>Summer - May 1 - Sept 30</u>	<u>Winter - All Other</u>
On-Peak	12 Noon - 4 PM weekdays	5PM - 8 PM weekdays
Semi- Peak	11 AM - 12 NOON weekdays 4 PM - 6 PM weekdays	
Semi- Peak 2	6 AM - 11 AM weekdays 6 PM - 10 PM weekdays	6 AM - 5 PM weekdays 8 PM - 10 PM weekdays
Off - Peak	10 PM - 6 AM weekdays Plus weekends & holidays	10 PM - 6 AM weekdays Plus weekends & holidays

### OPTION D

#### Energy Charges

	<u>Summer - May 1 - Sept 30</u>	<u>Winter - All Other</u>
On-Peak	1 PM - 3 PM weekdays	5PM - 8 PM weekdays
On-Peak 2	11AM - 1 PM weekdays 3 PM - 6 PM weekdays	
Semi- Peak	6 AM - 11 AM weekdays 6 PM - 10 PM weekdays	6 AM - 5 PM weekdays 8 PM - 10 PM weekdays
Off - Peak	10 PM - 6 AM weekdays Plus weekends & holidays	10 PM - 6 AM weekdays Plus weekends & holidays

**Option D****Demand Charges**Summer - May 1 - Sept 30Winter - All OtherOn-Peak  
Semi- Peak1 PM - 3 PM weekdays  
11AM - 1 PM weekdays  
3 PM - 6 PM weekdays

5PM - 8 PM weekdays

Semi- Peak 2

6 AM - 11 AM weekdays  
6 PM - 10 PM weekdays6 AM - 5 PM weekdays  
8 PM - 10 PM weekdays

Off - Peak

10 PM - 6 AM weekdays  
Plus weekends & holidays10 PM - 6 AM weekdays  
Plus weekends & holidays**OPTION E****Energy Charges**Summer - May 1 - Sept 30Winter - All OtherOn-Peak  
On-Peak 21 PM - 4 PM weekdays  
11AM - 1 PM weekdays  
4 PM - 6 PM weekdays

5PM - 8 PM weekdays

Semi- Peak

6 AM - 11 AM weekdays  
6 PM - 10 PM weekdays6 AM - 5 PM weekdays  
8 PM - 10 PM weekdays

Off - Peak

10 PM - 6 AM weekdays  
Plus weekends & holidays10 PM - 6 AM weekdays  
Plus weekends & holidays**Option E****Demand Charges**Summer - May 1 - Sept 30Winter - All OtherOn-Peak  
Semi- Peak1 PM - 4 PM weekdays  
11AM - 1 PM weekdays  
4 PM - 6 PM weekdays

5PM - 8 PM weekdays

Semi- Peak 2

6 AM - 11 AM weekdays  
6 PM - 10 PM weekdays6 AM - 5 PM weekdays  
8 PM - 10 PM weekdays

Off - Peak

10 PM - 6 AM weekdays  
Plus weekends & holidays10 PM - 6 AM weekdays  
Plus weekends & holidays

**All periods are based on local time and exclude signaled periods.** The **Holidays** shall be New Year's Day, President's Day, Memorial Day, Independence Day, Labor Day, Veterans Day, Thanksgiving Day, and Christmas Day. When a Holiday listed above falls on Sunday, the following Monday shall be defined as a Holiday. Friday will not be recognized as a Holiday when a Holiday listed above falls on a Saturday.

## ATO

Unit Measure	Season	Data Label	Reporting
KWHREG	SUMMER	TOTAL	Summer total kWh READ
KWH	SUMMER	TOTAL	Summer total kWh USAGE
KWHREG	SUMMER	ON-PEAK	Summer on peak kWh READ
KWH	SUMMER	ON-PEAK	Summer on peak kWh USAGE
KWHREG	SUMMER	SEMI-PEAK	Summer semi on peak kWh READ
KWH	SUMMER	SEMI-PEAK	Summer semi on peak kWh USAGE
KWHREG	SUMMER	OFF-PEAK	Summer off peak kWh READ
KWH	SUMMER	OFF-PEAK	Summer off peak kWh USAGE
KWHREG	WINTER	TOTAL	Winter total kWh READ
KWH	WINTER	TOTAL	Winter total kWh USAGE
KWHREG	WINTER	ON-PEAK	Winter on peak kWh READ
KWH	WINTER	ON-PEAK	Winter on peak kWh USAGE
KWHREG	WINTER	SEMI-PEAK	Winter semi on peak kWh READ
KWH	WINTER	SEMI-PEAK	Winter semi on peak kWh USAGE
KWHREG	WINTER	OFF-PEAK	Winter off peak kWh READ
KWH	WINTER	OFF-PEAK	Winter off peak kWh USAGE

### Time Periods

	<u>Summer - May 1 - Sept 30</u>	<u>Winter - All Other</u>
On-Peak	11AM - 6PM weekdays	5PM - 8 PM weekdays
Semi- Peak	6 AM - 11 AM weekdays	6 AM - 5 PM weekdays
	6 PM - 10 PM weekdays	8 PM - 10 PM weekdays
Off - Peak	10 PM - 6 AM weekdays	10 PM - 6 AM weekdays
	Plus weekends & holidays	Plus weekends & holidays

**All periods are based on local time and exclude signaled periods.** The **Holidays** shall be New Year's Day, President's Day, Memorial Day, Independence Day, Labor Day, Veterans Day, Thanksgiving Day, and Christmas Day. When a Holiday listed above falls on Sunday, the following Monday shall be defined as a Holiday. Friday will not be recognized as a Holiday when a Holiday listed above falls on a Saturday.

## DRTOU & DRTOU2

Unit Measure	Season	Data Label	Reporting
KWHREG	SUMMER	TOTAL	Summer total kWh READ
KWH	SUMMER	TOTAL	Summer total kWh USAGE
KWHREG	SUMMER	ON-PEAK	Summer on peak kWh READ
KWH	SUMMER	ON-PEAK	Summer on peak kWh USAGE
KWHREG	SUMMER	OFF-PEAK	Summer off peak kWh READ
KWH	SUMMER	OFF-PEAK	Summer off peak kWh USAGE
KWHREG	WINTER	TOTAL	Winter total kWh READ
KWH	WINTER	TOTAL	Winter total kWh USAGE
KWHREG	WINTER	ON-PEAK	Winter on peak kWh READ
KWH	WINTER	ON-PEAK	Winter on peak kWh USAGE
KWHREG	WINTER	OFF-PEAK	Winter off peak kWh READ
KWH	WINTER	OFF-PEAK	Winter off peak kWh USAGE

### Time Periods

On-Peak	12 Noon - 6PM weekdays
Off - Peak	12 AM - 12 Noon
	6 PM - 12 Midnight weekdays plus weekends & holidays

**All periods are based on local time and exclude signaled periods.** The **Holidays** shall be New Year's Day, President's Day, Memorial Day, Independence Day, Labor Day, Veterans Day, Thanksgiving Day, and Christmas Day. When a Holiday listed above falls on Sunday, the following Monday shall be defined as a Holiday. Friday will not be recognized as a Holiday when a Holiday listed above falls on a Saturday.

## PATOU

Unit Measure	Season	Data Label	Reporting
KWHREG		TOTAL	Total kWh READ
KWH		TOTAL	Total kWh USAGE
KWHREG		ON-PEAK	On peak kWh READ
KWH		ON-PEAK	On peak kWh USAGE
KWHREG		OFF-PEAK	Off peak kWh READ
KWH		OFF-PEAK	Off peak kWh USAGE

### Time Periods

On-Peak	10 AM - 9 PM weekdays
Off - Peak	12 AM - 12 Noon
	9 PM - 12 Midnight weekdays plus weekends & holidays

**All periods are based on local time and exclude signaled periods.** The **Holidays** shall be New Year's Day, President's Day, Memorial Day, Independence Day, Labor Day, Veterans Day, Thanksgiving Day, and Christmas Day. When a Holiday listed above falls on Sunday, the following Monday shall be defined as a Holiday. Friday will not be recognized as a Holiday when a Holiday listed above falls on a Saturday.



## DSMF

Unit Measure	Season	Data Label	Reporting
KWHREG	SUMMER	TOTAL	Summer total kWh READ
KWH	SUMMER	TOTAL	Summer total kWh USAGE
KWREG	SUMMER	ON-PEAK	Summer on peak Max kW DEMAND READ
KW	SUMMER	ON-PEAK	Summer on peak Max kW DEMAND
KWHREG	WINTER	TOTAL	Winter total kWh READ
KWH	WINTER	TOTAL	Winter total kWh USAGE
KWREG	WINTER	ON-PEAK	Winter on peak Max kW DEMAND READ
KW	WINTER	ON-PEAK	Winter on peak Max kW DEMAND

### Time Periods

	<u>Summer - May 1 - Sept 30</u>	<u>Winter - All Other</u>
On-Peak	11AM - 6 PM weekdays	5PM - 8 PM weekdays
Off - Peak	12 AM - 11AM weekdays 6 PM - 12 Midnight weekdays Plus weekends & holidays	12 AM - 5 PM weekdays 8 PM - 12 Midnight weekdays Plus weekends & holidays

Where the billing month contains time from both April and May or September and October, the Demand Charge shall be based on each of the two maximum demands for the two applicable time periods weighted based on the number of days in the respective periods.

**All periods are based on local time and exclude signaled periods.** The **Holidays** shall be New Year's Day, President's Day, Memorial Day, Independence Day, Labor Day, Veterans Day, Thanksgiving Day, and Christmas Day. When a Holiday listed above falls on Sunday, the following Monday shall be defined as a Holiday. Friday will not be recognized as a Holiday when a Holiday listed above falls on a Saturday.

### EVTOU & EVTOU3

Unit Measure	Season	Data Label	Reporting
KWHREG	SUMMER	TOTAL	Summer total kWh READ
KWH	SUMMER	TOTAL	Summer total kWh USAGE
KWHREG	SUMMER	ON-PEAK	Summer on peak kWh READ
KWH	SUMMER	ON-PEAK	Summer on peak kWh USAGE
KWHREG	SUMMER	OFF-PEAK	Summer off peak kWh READ
KWH	SUMMER	OFF-PEAK	Summer off peak kWh USAGE
KWHREG	SUMMER	SUP-OFF-PEAK	Summer super off peak kWh READ
KWH	SUMMER	SUP-OFF-PEAK	Summer super off peak kWh USAGE
KWHREG	WINTER	TOTAL	Winter total kWh READ
KWH	WINTER	TOTAL	Winter total kWh USAGE
KWHREG	WINTER	ON-PEAK	Winter on peak kWh READ
KWH	WINTER	ON-PEAK	Winter on peak kWh USAGE
KWHREG	WINTER	OFF-PEAK	Winter off peak kWh READ
KWH	WINTER	OFF-PEAK	Winter off peak kWh USAGE
KWHREG	WINTER	SUP-OFF-PEAK	Winter super off peak kWh READ
KWH	WINTER	SUP-OFF-PEAK	Winter super off peak kWh USAGE

#### Time Periods

On-Peak	12 Noon - 8 PM daily
Super off - Peak	12 Midnight - 5 AM daily
Off - Peak	All Other Hours

#### Seasons:

Summer - May 1 - October 31  
 Winter - November 1 - April 30

**All periods are based on local time, i.e., actual “clock” time.**

## EVTU2

Unit Measure	Season	Data Label	Reporting
KWHREG	SUMMER	TOTAL	Summer total kWh READ
KWH	SUMMER	TOTAL	Summer total kWh USAGE
KWHREG	SUMMER	ON-PEAK	Summer on peak kWh READ
KWH	SUMMER	ON-PEAK	Summer on peak kWh USAGE
KWHREG	SUMMER	OFF-PEAK	Summer off peak kWh READ
KWH	SUMMER	OFF-PEAK	Summer off peak kWh USAGE
KWHREG	SUMMER	SUP-OFF-PEAK	Summer super off peak kWh READ
KWH	SUMMER	SUP-OFF-PEAK	Summer super off peak kWh USAGE
KWHREG	WINTER	TOTAL	Winter total kWh READ
KWH	WINTER	TOTAL	Winter total kWh USAGE
KWHREG	WINTER	ON-PEAK	Winter on peak kWh READ
KWH	WINTER	ON-PEAK	Winter on peak kWh USAGE
KWHREG	WINTER	OFF-PEAK	Winter off peak kWh READ
KWH	WINTER	OFF-PEAK	Winter off peak kWh USAGE
KWHREG	WINTER	SUP-OFF-PEAK	Winter super off peak kWh READ
KWH	WINTER	SUP-OFF-PEAK	Winter super off peak kWh USAGE

### Time Periods

On-Peak	12 Noon - 6 PM daily
Super off - Peak	12 Midnight - 5 AM daily
Off - Peak	All Other Hours

#### Seasons:

Summer - May 1 - October 31  
 Winter - November 1 - April 30

**All periods are based on local time, i.e., actual “clock” time.**