



# Water & Energy Consulting

Lon W. House, Ph.D.

c: 530.409.9702

lonwhouse@waterandenergyconsulting.com

2795 East Bidwell Street  
Suite 100-176  
Folsom, CA 95630  
530.676.8956

10645 N. Oracle Rd.  
Suite 121-216  
Oro Valley, AZ 85737  
520.297.2643

## Review of XXXXX XXX SDG&E Account Options

### Background

XXXXX XXX MWD ( [REDACTED] ) contacted Water and Energy Consulting (WEC) On September 12, 2018 and asked for rate assistance analysis for some of their SDG&E accounts. They initially requested a SDG&E rate comparison for [REDACTED] and the [REDACTED] Solar project, results that were presented in Initial Review of XXXXX XXX SDG&E Accounts (September 17, 2018). This subsequent analysis reviewed [REDACTED] and [REDACTED].

### Analysis

WEC performed a preliminary review of a number of XXXXX XXX accounts and performed a rate analysis for the [REDACTED] and [REDACTED]. For both these accounts, monthly bills for using February 2018 and July 2018 were simulated using the proprietary SDG&E Bill Analysis Tool.

### Summary

Both of these accounts are on SDG&E tariff TOU-A and commodity rate EECC-TOU-A-P. This tariff is characterized by two time periods, an on-peak that is from 4-9 pm and an off peak that is all other hours. Changing both of these accounts to the new SDG&E rate TOU-A2-P will reduce your electricity bill. The TOU-A2-P tariff is characterized by three costing periods, an on-peak that is from 4-9 pm, an off-peak from 6 am-4 pm and 9 pm to midnight (2-4 pm and 9-midnight weekends), and a super off-peak that is from midnight to 6 am (midnight to 2 am weekends)<sup>1</sup>.

Switching [REDACTED] to TOU-A2-P will reduce that SDG&E bill by about \$2,800 per year. [REDACTED] will save about \$1,100 per year.

### Recommendations

- 1) The following table shows the potential savings due to tariff changes for the [REDACTED], [REDACTED], and [REDACTED]. Changing these will save about \$5,900 per year.
- 2) The savings due to tariff changes shown here are relatively modest, and slight changes in operation could erase them. You may want to only switch those accounts that have thousands of dollars of savings.
- 3) While an analysis shows that switching the solar sites off the CPP-D commodity rate will save money, I do not recommend switching. The end of the grandfathering period for these projects is

<sup>1</sup> The TOU-A-P off-peak energy was assumed to be split between the Off-Peak and Super Off-Peak periods in the TOU-A2-P tariff.

December 2018. SDG&E will only allow you to change tariffs once a year. By the time SDG&E processes the tariff switch, you will only have a couple months left on the grandfathered tariff and I have not done an analysis on the non-grandfathered solar tariffs yet. It is not worth a couple months savings if you are stuck on the wrong non-grandfathered solar rates for a year.

- 4) Prepare for a significant bill increase for the solar accounts when the grandfathering period ends.
- 5) I'd recommend taking an initial look at adding energy storage at your solar sites and doing an analysis for the post grandfathering solar accounts. The cost of energy storage has plummeted, and I have found paybacks on the order of a couple years for other water districts based upon demand charge savings only. The one thing that has me concerned is the large evening electricity use by these accounts may hamper the economics of storage.

| SDG&E ACCOUNT | XXXXX<br>METER<br># | RATE | SERVICE ADDRESS | FACILITY NAME | Annual<br>SDG&E<br>Bill | Alternate<br>Tariff | Potential<br>Savings |
|---------------|---------------------|------|-----------------|---------------|-------------------------|---------------------|----------------------|
|               |                     | A    |                 |               | \$6,142                 | -                   |                      |
|               |                     | A    |                 |               | \$6,702                 | -                   |                      |
|               |                     | A    |                 |               | \$16,883                | TOU-A2-P            | \$2,800              |
|               |                     | A    |                 |               | \$8,819                 | TOU-A2-P            | \$1,100              |
|               |                     | A    |                 |               | \$6,252                 | -                   |                      |
|               |                     | A    |                 |               | \$3,768                 | -                   |                      |
|               |                     | AD   |                 |               | \$72,187                | AL-TOU2             | \$2,000              |
|               |                     | A    |                 |               | \$1,209                 | -                   |                      |
|               |                     | A    |                 |               | \$217                   | -                   |                      |
|               |                     | A    |                 |               | \$3,920                 | -                   |                      |

## Discussion

The change in SDG&E time-of-use (TOU) periods from the old 11 am – 6 pm summer weekdays to 4-9 pm limits the value of alternative tariffs for XXXXX XXX. Most of these accounts have high usage in the new on-peak period and alternative tariffs don't help much.

The solar generation accounts are on the CPP-D commodity option. For all the XXXXX XXX bills reviewed, there was a penalty (increase in the bill) when CPP events occurred. But, as stated elsewhere, I do not recommend changing solar tariffs until a non-grandfathered tariff analysis is done.

## Solar Accounts

Both the solar accounts are on the CPP-D commodity option. This option dramatically increases the price (or value) of electricity during the CPP events (2-6 pm when called up to 18 events per year). This helps when excess solar is generated during these CPP periods but hurts when electricity is consumed during these periods.

Changing Solar accounts from DG-R CPP-D-G (Critical Peak Pricing grandfathered) to DG-R-G will save about several thousand dollars per year, but only for the duration of the existing grandfathering period. By the time

SDG&E processes the tariff switch, you will only have a couple months left on the grandfathered tariff and I have not done an analysis on the non-grandfathered solar tariffs yet. The non-CPP commodity has a demand charge that will kick in during the evening on-peak period, potentially increasing solar bills. It is not worth a couple months savings if you are stuck on the wrong non-grandfathered solar rates for a year.

| <u>SDG&amp;E ACCOUNT</u> | <u>XXXXX<br/>METER<br/>#</u> | <u>RATE</u> | <u>SERVICE ADDRESS</u> | <u>FACILITY NAME</u> | <u>Annual<br/>SDG&amp;E<br/>Bill</u> | <u>Alt Tariff</u> | <u>Savings</u> | <u>After<br/>Grand<br/>fathering</u> |
|--------------------------|------------------------------|-------------|------------------------|----------------------|--------------------------------------|-------------------|----------------|--------------------------------------|
|                          |                              | DG/ CPP-G   |                        |                      | \$76,427                             | DG-R-G            | \$1,800        | \$96,035                             |
|                          |                              | DG/ CPP-G   |                        |                      | \$19,464                             | DG-R-G            | \$2,800        | \$26,631                             |
|                          |                              | DG/ CPP-G   |                        |                      | \$38,876                             | DG-R-G            | \$1,700        | \$48,239                             |

For the three listed solar projects, the end of grandfathering will see about a 25 percent increase in SDG&E bill (SDG&E estimate).

**Bill Analysis**

The actual bill analysis for the non-solar accounts is provided in the following pages.

|                  |                          |                    |   |  |   |  |         |
|------------------|--------------------------|--------------------|---|--|---|--|---------|
| Subscriber       |                          |                    |   | Electric Utility Account Number from Bill              |   |  |         |
| Street address   |                          |                    |   | This is whatever name you use to identify this account |   |  |         |
| City, State, Zip |                          |                    |   | Electric Utility Meter Number from Bill                |   |  |         |
| Contact Person   |                          |                    |   | Account Address from Bill                              |   |  |         |
| Phone Number     |                          |                    |   | Account Address from Bill                              |   |  |         |
| email            | bhague@padre.org         | AL-TOU plus        | Choose from Elig                                      |  | AL-TOU  |  | AL-TOU2 |
|                  |                          | Secondary          | Service Voltage from Bill                             |  |   |  |         |
| Subscription #   |                          | >20 kW             | This is the maximum recorded demand for this account. |  |   |  |         |
| Subscriber Type  | Water district           | Jul-18             | Bill Date   |  |   |  |         |
| Electric Utility | SDG&E                    | summer             | Utility Season  |  |   |  |         |
| Tool Model       | Water system account     | Today's Date       | Use Through   | 12/1/2018  | OK to use   |  |         |
| Model Vintage    | beta                     | Bill               | \$7,660.81  | -\$375.41  | This is recorded utility bill. While it won't be exactly the same as the model developed bill, it should be reasonably close. |  |         |
|                  |                          | \$644.7 CPP charge |   |  |   |  |         |
|                  |                          | Tariff             | AL-TOU  | AL-TOU2  |   |  |         |
|                  |                          |                    | New TOU   | New TOU  |   |  |         |
|                  |                          |                    | \$ per Month  | \$ per Month   |   |  |         |
| Season:          |                          | Monthly            | \$7,020.36  | \$6,644.95   | The lowest monthly bill is the best tariff to be on.  |  |         |
| summer           | Period                   | Bill Value         | \$ per Month  | \$ per Month   | All these values are for this month's billing statement   |  |         |
| Energy (kWh)     | Peak                     | 6,467              | \$887.98  | \$813.81   | kWh during on-peak period   |  |         |
|                  | PartialPeak              | 11,480             | \$1,327.66  | \$1,218.37   | kWh during mid/partial-peak period  |  |         |
|                  | OffPeak                  | 6,464              | \$572.90  | \$522.55   | kWh during off-peak period  |  |         |
|                  | SuperOff Peak            | 0                  | \$0.00  | \$0.00   | kWh during Super off-peak period  |  |         |
|                  | kWh                      | 24,411             |   |  |   |  |         |
| Demand (kW)      | Peak                     | 104.3              | \$1,717.82  | \$297.26   | Maximum demand (kW) during on-peak period   |  |         |
|                  | PartialPeak              | 0.0                | \$0.00  | \$0.00   | Maximum demand (kW) during mid/partial-peak   |  |         |
|                  | OffPeak                  | 0.0                | \$0.00  | \$0.00   | Maximum demand (kW) during off-peak period  |  |         |
|                  | SuperOff Peak            | 0.0                | \$0.00  | \$0.00   | Maximum demand (kW) during Super off-peak period  |  |         |
|                  | Maximum or noncoincident | 104.3              | \$2,198.64  | \$1,275.59   | Maximum or noncoincident demand (kW) for the month  |  |         |
|                  | TOU Demand               | 104.3              | \$0.00  | \$2,054.71   | TOU Demand Charges  |  |         |
| Other Fees       | Service fee              |                    | \$163.02  | \$310.34   |   |  |         |
|                  | DWR Bond Charge          |                    | \$134.02  | \$134.02   |   |  |         |
|                  | Fees and Taxes           |                    | \$18.31   | \$18.31  |   |  |         |
|                  | Capacity Reservation     |                    |   |  |   |  |         |

|                  |                          |              |  |              |   |         |
|------------------|--------------------------|--------------|--|--------------|---|---------|
| Subscriber       |                          |              | Electric Utility Account Number from Bill              |              |   |         |
| Street address   |                          |              | This is whatever name you use to identify this account |              |   |         |
| City, State, Zip |                          |              | Electric Utility Meter Number from Bill                |              |   |         |
| Contact Person   |                          |              | Account Address from Bill                              |              |   |         |
| Phone Number     |                          |              | Account Address from Bill                              |              |   |         |
| email            | bhague@padre.org         | AL-TOU plus  | Choose from Elig                                       |              | AL-TOU  | AL-TOU2 |
| Subscription #   |                          | Secondary    | Service Voltage from Bill                              |              |   |         |
| Subscriber Type  | Water district           | >20 kW       | This is the maximum recorded demand for this account.  |              |   |         |
|                  |                          | Feb-18       | Bill Date  |              |   |         |
| Electric Utility | SDG&E                    | winter       | Utility Season   |              |   |         |
| Tool Model       | Water system account     | Today's Date | Use Through  | 8/1/2018     | OK to use   |         |
| Model Vintage    | beta                     | Bill         | \$4,839.19   | -\$543.32    | This is recorded utility bill. While it won't be exactly the same as the model developed bill, it should be reasonably close. |         |
|                  |                          | Tariff       | AL-TOU   | AL-TOU2      |   |         |
|                  |                          |              | New TOU  | New TOU      |   |         |
|                  |                          |              | \$ per Month   | \$ per Month |   |         |
| Season:          |                          | Monthly      | \$4,688.50   | \$4,145.19   | The lowest monthly bill is the best tariff to be on.  |         |
| winter           | Period                   | Bill Value   | \$ per Month   | \$ per Month | All these values are for this month's billing statement   |         |
| Energy (kWh)     | Peak                     | 2,021        | \$234.86   | \$213.92     | kWh during on-peak period   |         |
|                  | PartialPeak              | 8,224        | \$852.75   | \$777.17     | kWh during mid/partial-peak period  |         |
|                  | OffPeak                  | 11,995       | \$1,077.39   | \$982.63     | kWh during off-peak period  |         |
|                  | SuperOff Peak            | 0            | \$0.00   | \$0.00       | kWh during Super off-peak period  |         |
|                  | kWh                      | 22,240       |  |              |   |         |
| Demand (kW)      | Peak                     | 58.9         | \$980.10   | \$40.64      | Maximum demand (kW) during on-peak period   |         |
|                  | PartialPeak              | 0.0          | \$0.00   | \$0.00       | Maximum demand (kW) during mid/partial-peak   |         |
|                  | OffPeak                  | 0.0          | \$0.00   | \$0.00       | Maximum demand (kW) during off-peak period  |         |
|                  | SuperOff Peak            | 0.0          | \$0.00   | \$0.00       | Maximum demand (kW) during Super off-peak period  |         |
|                  | Maximum or noncoincident | 58.9         | \$1,241.61   | \$720.35     | Maximum or noncoincident demand (kW) for the month  |         |
|                  | TOU Demand               | 48.8         | \$0.00   | \$961.36     | TOU Demand Charges  |         |
| Other Fees       | Service fee              |              | \$163.02   | \$310.34     |   |         |
|                  | DWR Bond Charge          |              | \$122.10   | \$122.10     |   |         |
|                  | Fees and Taxes           |              | \$16.68  | \$16.68      |   |         |
|                  | Capacity Reservation     |              |  |              |   |         |

|                  |                          |             |  |              |              |   |          |
|------------------|--------------------------|-------------|--|--------------|--------------|---|----------|
| Subscriber       |                          |             | Electric Utility Account Number from Bill              |              |              |   |          |
| Street address   |                          |             | This is whatever name you use to identify this account |              |              |   |          |
| City, State, Zip |                          |             | Electric Utility Meter Number from Bill                |              |              |   |          |
| Contact Person   |                          |             | Account Address from Bill                              |              |              |   |          |
| Phone Number     |                          |             | Account Address from Bill                              |              |              |   |          |
| email            | bhague@padre.org         | AL-TOU plus | Choose from Eligible Tariffs:                          |              |              | TOU-A-P   | TOU-A2-P |
|                  |                          | Secondary   | Service Voltage from Bill                              |              |              |   |          |
| Subscription #   |                          | >20 kW      | This is the maximum recorded demand for this account.  |              |              |   |          |
| Subscriber Type  | Water district           | Aug-18      | Bill Date  |              |              |   |          |
| Electric Utility | SDG&E                    | summer      | Utility Season   |              |              |   |          |
| Tool Model       | Water system account     | Todays Date | 10/26/2018   | Use Through  | 12/1/2018    | OK to use   |          |
| Model Vintage    | beta                     | Bill        | \$2,044.27   | -\$364.03    | -\$279.79    | This is recorded utility bill. While it won't be exactly the same as the model developed bill, it should be reasonably close. |          |
|                  |                          |             | \$231.66 RYU charge                                    |              |              |   |          |
|                  |                          | Tariff      | TOU-A-P  | TOU-A2-P     | TOU-A3-P     |   |          |
|                  |                          |             | New TOU  | New TOU      | New TOU      |   |          |
|                  |                          |             | \$ per Month   | \$ per Month | \$ per Month |   |          |
| Season:          |                          | Monthly     | \$1,835.81   | \$1,471.78   | \$1,556.03   | The lowest monthly bill is the best tariff to be on.  |          |
| summer           | Period                   | Bill Value  | \$ per Month   | \$ per Month | \$ per Month | All these values are for this month's billing statement   |          |
| Energy (kWh)     | Peak                     | 1,025       | \$394.76   | \$343.82     | \$385.34     | kWh during on-peak period   |          |
|                  | PartialPeak              |             | \$0.00   | \$0.00       | \$0.00       | kWh during mid/partial-peak period  |          |
|                  | OffPeak                  | 5,174       | \$1,386.37   | \$579.38     | \$684.18     | kWh during off-peak period  |          |
|                  | SuperOff Peak            | 0           | \$0.00   | \$431.82     | \$431.82     | kWh during Super off-peak period  |          |
|                  | kWh                      | 6,199       |  |              |              |   |          |
| Demand (kW)      | Peak                     | 17.4        | \$0.00   | \$0.00       | \$0.00       | Maximum demand (kW) during on-peak period   |          |
|                  | PartialPeak              | 0.0         | \$0.00   | \$0.00       | \$0.00       | Maximum demand (kW) during mid/partial-peak   |          |
|                  | OffPeak                  | 0.0         | \$0.00   | \$0.00       | \$0.00       | Maximum demand (kW) during off-peak period  |          |
|                  | SuperOff Peak            | 0.0         | \$0.00   | \$0.00       | \$0.00       | Maximum demand (kW) during Super off-peak period  |          |
|                  | Maximum or noncoincident | 17.4        | \$0.00   | \$0.00       | \$0.00       | Maximum or noncoincident demand (kW) for the month  |          |
|                  | TOU Demand               | 17.4        | \$0.00   | \$0.00       | \$0.00       | TOU Demand Charges  |          |
| Other Fees       | Service fee              |             | \$16.00  | \$78.08      | \$16.00      |   |          |
|                  | DWR Bond Charge          |             | \$34.03  | \$34.03      | \$34.03      |   |          |
|                  | Fees and Taxes           |             | \$4.65   | \$4.65       | \$4.65       |   |          |
|                  | Capacity Reservation     |             |  |              |              |   |          |

|                  |                          |              |  |              |              |   |          |
|------------------|--------------------------|--------------|--|--------------|--------------|---|----------|
| Subscriber       |                          |              | Electric Utility Account Number from Bill              |              |              |   |          |
| Street address   |                          |              | This is whatever name you use to identify this account |              |              |   |          |
| City, State, Zip |                          |              | Electric Utility Meter Number from Bill                |              |              |   |          |
| Contact Person   |                          |              | Account Address from Bill                              |              |              |   |          |
| Phone Number     |                          |              | Account Address from Bill                              |              |              |   |          |
| email            | bhague@padre.org         | AL-TOU plus  | Choose from Eligible Tariffs:                          |              |              | TOU-A-P   | TOU-A2-P |
|                  |                          | Secondary    | Service Voltage from Bill                              |              |              |   |          |
| Subscription #   |                          | >20 kW       | This is the maximum recorded demand for this account.  |              |              |   |          |
| Subscriber Type  | Water district           | Feb-18       | Bill Date  |              |              |   |          |
| Electric Utility | SDG&E                    | winter       | Utility Season   |              |              |   |          |
| Tool Model       | Water system account     | Today's Date | 10/26/2018   | Use Through  | 12/1/2018    | OK to use   |          |
| Model Vintage    | beta                     | Bill         | \$1,001.05   | -\$151.64    | -\$104.55    | This is recorded utility bill. While it won't be exactly the same as the model developed bill, it should be reasonably close. |          |
|                  |                          | rate change  |  |              |              |   |          |
|                  |                          | Tariff       | TOU-A-P  | TOU-A2-P     | TOU-A3-P     |   |          |
|                  |                          | New TOU      | New TOU  | New TOU      |              |   |          |
|                  |                          | \$ per Month | \$ per Month   | \$ per Month |              |   |          |
| Season:          |                          | Monthly      | \$1,073.73   | \$922.09     | \$969.19     | The lowest monthly bill is the best tariff to be on.  |          |
| winter           | Period                   | Bill Value   | \$ per Month   | \$ per Month | \$ per Month | All these values are for this month's billing statement   |          |
| Energy (kWh)     | Peak                     | 704          | \$160.81   | \$132.30     | \$160.81     | kWh during on-peak period   |          |
|                  | PartialPeak              |              | \$0.00   | \$0.00       | \$0.00       | kWh during mid/partial-peak period  |          |
|                  | OffPeak                  | 3,982        | \$867.68   | \$353.18     | \$433.84     | kWh during off-peak period  |          |
|                  | SuperOff Peak            | 0            | \$0.00   | \$329.29     | \$329.29     | kWh during Super off-peak period  |          |
|                  | kWh                      | 4,686        |  |              |              |   |          |
| Demand (kW)      | Peak                     | 17.4         | \$0.00   | \$0.00       | \$0.00       | Maximum demand (kW) during on-peak period   |          |
|                  | PartialPeak              | 0.0          | \$0.00   | \$0.00       | \$0.00       | Maximum demand (kW) during mid/partial-peak   |          |
|                  | OffPeak                  | 0.0          | \$0.00   | \$0.00       | \$0.00       | Maximum demand (kW) during off-peak period  |          |
|                  | SuperOff Peak            | 0.0          | \$0.00   | \$0.00       | \$0.00       | Maximum demand (kW) during Super off-peak period  |          |
|                  | Maximum or noncoincident | 17.4         | \$0.00   | \$0.00       | \$0.00       | Maximum or noncoincident demand (kW) for the month  |          |
|                  | TOU Demand               | 17.4         | \$0.00   | \$0.00       | \$0.00       | TOU Demand Charges  |          |
| Other Fees       | Service fee              |              | \$16.00  | \$78.08      | \$16.00      |   |          |
|                  | DWR Bond Charge          |              | \$25.73  | \$25.73      | \$25.73      |   |          |
|                  | Fees and Taxes           |              | \$3.51   | \$3.51       | \$3.51       |   |          |
|                  | Capacity Reservation     |              |  |              |              |   |          |

|                  |                          |             |  |              |              |   |          |
|------------------|--------------------------|-------------|--|--------------|--------------|---|----------|
| Subscriber       |                          |             | Electric Utility Account Number from Bill              |              |              |   |          |
| Street address   |                          |             | This is whatever name you use to identify this account |              |              |   |          |
| City, State, Zip |                          |             | Electric Utility Meter Number from Bill                |              |              |   |          |
| Contact Person   |                          |             | Account Address from Bill                              |              |              |   |          |
| Phone Number     |                          |             | Account Address from Bill                              |              |              |   |          |
| email            | bhague@padre.org         | AL-TOU plus | Choose from Eligible Tariffs:                          |              |              | TOU-A-P   | TOU-A2-P |
|                  |                          | Secondary   | Service Voltage from Bill                              |              |              |   |          |
| Subscription #   |                          | >20 kW      | This is the maximum recorded demand for this account.  |              |              |   |          |
| Subscriber Type  | Water district           | Aug-18      | Bill Date  |              |              |   |          |
| Electric Utility | SDG&E                    | summer      | Utility Season   |              |              |   |          |
| Tool Model       | Water system account     | Todays Date | 10/26/2018   | Use Through  | 12/1/2018    | OK to use   |          |
| Model Vintage    | beta                     | Bill        | \$1,093.11   | -\$153.13    | -\$139.01    | This is recorded utility bill. While it won't be exactly the same as the model developed bill, it should be reasonably close. |          |
|                  |                          |             | \$147.42 RYU   |              |              |   |          |
|                  |                          | Tariff      | TOU-A-P  | TOU-A2-P     | TOU-A3-P     |   |          |
|                  |                          |             | New TOU  | New TOU      | New TOU      |   |          |
|                  |                          |             | \$ per Month   | \$ per Month | \$ per Month |   |          |
| Season:          |                          | Monthly     | \$952.67   | \$799.54     | \$813.66     | The lowest monthly bill is the best tariff to be on.  |          |
| summer           | Period                   | Bill Value  | \$ per Month   | \$ per Month | \$ per Month | All these values are for this month's billing statement   |          |
| Energy (kWh)     | Peak                     | 604         | \$232.62   | \$202.60     | \$227.07     | kWh during on-peak period   |          |
|                  | PartialPeak              |             | \$0.00   | \$0.00       | \$0.00       | kWh during mid/partial-peak period  |          |
|                  | OffPeak                  | 2,554       | \$684.34   | \$286.00     | \$337.73     | kWh during off-peak period  |          |
|                  | SuperOff Peak            | 0           | \$0.00   | \$213.16     | \$213.16     | kWh during Super off-peak period  |          |
|                  | kWh                      | 3,158       |  |              |              |   |          |
| Demand (kW)      | Peak                     | 17.4        | \$0.00   | \$0.00       | \$0.00       | Maximum demand (kW) during on-peak period   |          |
|                  | PartialPeak              | 0.0         | \$0.00   | \$0.00       | \$0.00       | Maximum demand (kW) during mid/partial-peak   |          |
|                  | OffPeak                  | 0.0         | \$0.00   | \$0.00       | \$0.00       | Maximum demand (kW) during off-peak period  |          |
|                  | SuperOff Peak            | 0.0         | \$0.00   | \$0.00       | \$0.00       | Maximum demand (kW) during Super off-peak period  |          |
|                  | Maximum or noncoincident | 17.4        |  |              |              | Maximum or noncoincident demand (kW) for the month  |          |
|                  | TOU Demand               | 17.4        | \$0.00   | \$0.00       | \$0.00       | TOU Demand Charges  |          |
| Other Fees       | Service fee              |             | \$16.00  | \$78.08      | \$16.00      |   |          |
|                  | DWR Bond Charge          |             | \$17.34  | \$17.34      | \$17.34      |   |          |
|                  | Fees and Taxes           |             | \$2.37   | \$2.37       | \$2.37       |   |          |
|                  | Capacity Reservation     |             |  |              |              |   |          |



|                  |                          |              |  |              |              |   |          |
|------------------|--------------------------|--------------|--|--------------|--------------|---|----------|
| Subscriber       |                          |              | Electric Utility Account Number from Bill              |              |              |   |          |
| Street address   |                          |              | This is whatever name you use to identify this account |              |              |   |          |
| City, State, Zip |                          |              | Electric Utility Meter Number from Bill                |              |              |   |          |
| Contact Person   |                          |              | Account Address from Bill                              |              |              |   |          |
| Phone Number     |                          |              | Account Address from Bill                              |              |              |   |          |
| email            | bhague@padre.org         | AL-TOU plus  | Choose from Eligible Tariffs:                          |              |              | TOU-A-P   | TOU-A2-P |
|                  |                          | Secondary    | Service Voltage from Bill                              |              |              |   |          |
| Subscription #   |                          | >20 kW       | This is the maximum recorded demand for this account.  |              |              |   |          |
| Subscriber Type  | Water district           | Feb-18       | Bill Date  |              |              |   |          |
| Electric Utility | SDG&E                    | winter       | Utility Season   |              |              |   |          |
| Tool Model       | Water system account     | Today's Date | 10/26/2018   | Use Through  | 12/1/2018    | OK to use   |          |
| Model Vintage    | beta                     | Bill         | \$522.24   | -\$47.87     | -\$54.11     | This is recorded utility bill. While it won't be exactly the same as the model developed bill, it should be reasonably close. |          |
|                  |                          | Tariff       | TOU-A-P  | TOU-A2-P     | TOU-A3-P     |   |          |
|                  |                          | New TOU      | New TOU  | New TOU      |              |   |          |
|                  |                          | \$ per Month | \$ per Month   | \$ per Month |              |   |          |
| Season:          |                          | Monthly      | \$559.62   | \$511.74     | \$505.51     | The lowest monthly bill is the best tariff to be on.  |          |
| winter           | Period                   | Bill Value   | \$ per Month   | \$ per Month | \$ per Month | All these values are for this month's billing statement   |          |
| Energy (kWh)     | Peak                     | 348          | \$79.49  | \$65.40      | \$79.49      | kWh during on-peak period   |          |
|                  | PartialPeak              |              | \$0.00   | \$0.00       | \$0.00       | kWh during mid/partial-peak period  |          |
|                  | OffPeak                  | 2,061        | \$449.09   | \$182.80     | \$224.55     | kWh during off-peak period  |          |
|                  | SuperOff Peak            | 0            | \$0.00   | \$170.43     | \$170.43     | kWh during Super off-peak period  |          |
|                  | kWh                      | 2,409        |  |              |              |   |          |
| Demand (kW)      | Peak                     | 17.4         | \$0.00   | \$0.00       | \$0.00       | Maximum demand (kW) during on-peak period   |          |
|                  | PartialPeak              | 0.0          | \$0.00   | \$0.00       | \$0.00       | Maximum demand (kW) during mid/partial-peak   |          |
|                  | OffPeak                  | 0.0          | \$0.00   | \$0.00       | \$0.00       | Maximum demand (kW) during off-peak period  |          |
|                  | SuperOff Peak            | 0.0          | \$0.00   | \$0.00       | \$0.00       | Maximum demand (kW) during Super off-peak period  |          |
|                  | Maximum or noncoincident | 17.4         |  |              |              | Maximum or noncoincident demand (kW) for the month  |          |
|                  | TOU Demand               | 17.4         | \$0.00   | \$0.00       | \$0.00       | TOU Demand Charges  |          |
| Other Fees       | Service fee              |              | \$16.00  | \$78.08      | \$16.00      |   |          |
|                  | DWR Bond Charge          |              | \$13.23  | \$13.23      | \$13.23      |   |          |
|                  | Fees and Taxes           |              | \$1.81   | \$1.81       | \$1.81       |   |          |
|                  | Capacity Reservation     |              |  |              |              |   |          |