

AERS-QBR Diagnosis Savings Report (09/03/2019)

Facility Site Info

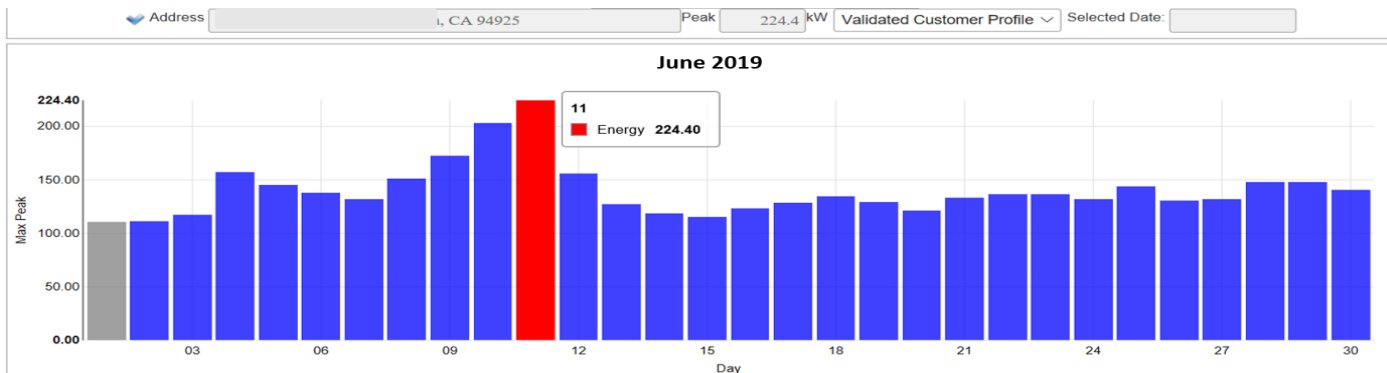
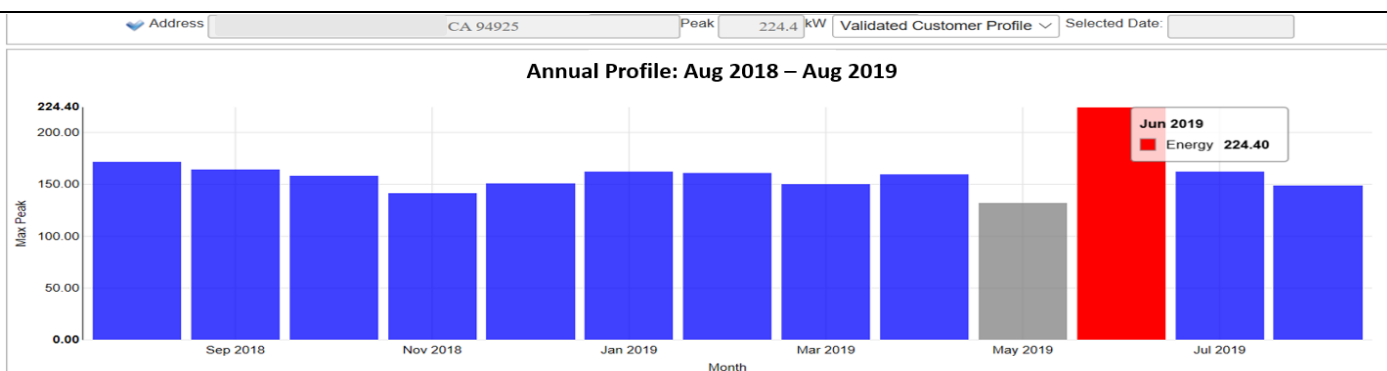
CID ABC-1234
 SID SP001
 Location CA 94925
 Billing Info Received Aug 20, 2019
 GB/15min Interval Data Received Aug 06, 2019
 Utility Rate PGE E19S

Site Load Analysis

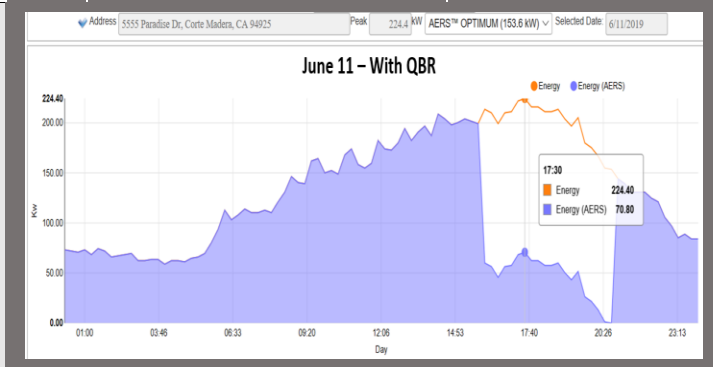
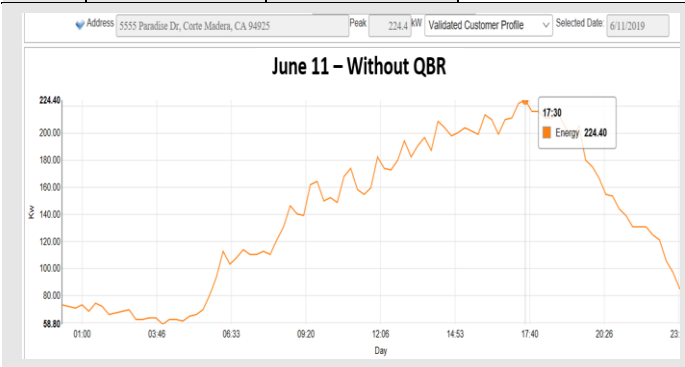
Electric Utility Rate/Tariff Used
 Utility Demand Rate Max/On Peak \$21.23
 Utility Demand Rate Part/Mid Peak \$5.85
 Utility Rate Demand/Facility \$19.10
 Utility Energy Rate Max/On Peak (Sum) \$0.16997
 Utility Energy Rate Part/Mid Peak (Win) \$0.11583

Electricity Usage Profiled

Historical Usage Data Period Aug 2018 – Aug 2019
 Highest Peak Found 224.4kW
 Highest Peak Day(s) Found June 11, 2019
 Highest Peak Hour(s) Found 5:30pm



MicroNOC Emulator Optimization			AERS QBR Resource Capacity	153.6kW	QBR System Capacity	768kWh
Utility Bill Highest Rate			AERS QBR Rates			
	Demand (kW) Max/On Peak	Demand (kW) Max/Facility	Energy (kWh) On/Mid/Part Peak	Demand (kW) Max/On Peak	Demand (kW) Max/Facility	Energy (kWh) On/Mid/Part Peak
Sum	\$21.23	\$19.10	\$0.16997	\$15.92	\$14.33	\$0.12748
Win			\$0.11583			\$0.10295



Utility Bill Savings Projection Analysis Parameters

Demand Charge Management (DCM)

Utility Demand Rate Max/On Peak	\$21.23
Utility Demand Rate Max/Facility	\$19.10
QBR Resource Capacity	153.6kW
Months	4

Energy Charge Management (ECM)

Utility Energy Rate Max/On Peak (Sum)	\$0.16997
Utility Energy Rate Part/Mid Peak (Win)	\$0.11583
QBR System Capacity	768kWh
Months	12

Total Bill Savings Projected (Year 1)	\$62,307.66
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Utility Bill Savings Projection Notes

- Second year and onwards annual 3% inflation rate added
- ECM is calculated using annual average rate
- Utility Bill Saving means during the highest rate hours, energy usage is reduced by AERS QBR resource capacity; power and/or energy consumption management switches from utility to QBR system installed on site; therefore, the reduced AERS QBR resource capacity will no longer be counted and charged on utility bill

AERS™ QBR UTILITY BILL SAVINGS PROJECTION

Project Year	DCM (kW)	ECM (kWh)	TOTAL
1	\$ 24,778.75	\$ 37,528.31	\$ 62,307.06
2	\$ 25,522.11	\$ 38,654.16	\$ 64,176.27
3	\$ 26,287.78	\$ 39,813.78	\$ 66,101.56
4	\$ 27,076.41	\$ 41,008.19	\$ 68,084.61
5	\$ 27,888.70	\$ 42,238.44	\$ 70,127.14
6	\$ 28,725.36	\$ 43,505.59	\$ 72,230.96
7	\$ 29,587.13	\$ 44,810.76	\$ 74,397.89
8	\$ 30,474.74	\$ 46,155.08	\$ 76,629.82
9	\$ 31,388.98	\$ 47,539.74	\$ 78,928.72
10	\$ 32,330.65	\$ 48,965.93	\$ 81,296.58
11	\$ 33,300.57	\$ 50,434.91	\$ 83,735.48
12	\$ 34,299.59	\$ 51,947.95	\$ 86,247.54
13	\$ 35,328.58	\$ 53,506.39	\$ 88,834.97
14	\$ 36,388.43	\$ 55,111.58	\$ 91,500.02
15	\$ 37,480.09	\$ 56,764.93	\$ 94,245.02
16	\$ 38,604.49	\$ 58,467.88	\$ 97,072.37
17	\$ 39,762.62	\$ 60,221.92	\$ 99,984.54
18	\$ 40,955.50	\$ 62,028.57	\$ 102,984.08
19	\$ 42,184.17	\$ 63,889.43	\$ 106,073.60
20	\$ 43,449.69	\$ 65,806.11	\$ 109,255.81
TOTAL	\$ 665,814.35	\$ 1,008,399.67	\$ 1,674,214.01

To Activate Your Utility Bill Savings

Registration Fee (per meter)	\$5,000.00
Security Deposit (\$100/kW)	\$15,360.00

AERS QBR Management Services Provided Upon Registration

Design, Procure, Interconnect QBR System for site	No Cost to Your Business	(Cost: \$337,920.00)
Install, Own, Operate, Maintain, QBR System on site	No Cost to Your Business	
AERS QBR Rate Balancing Management (Bill Savings Service)	25%* Off Utility Highest Cost Rate; Billed Monthly**	
Minimum Service Years Provided***	5 Years from the start of system operation	

*Refer to Pricing Index at time of Execution of Registration

**A monthly performance statement of bill savings operation services is provided

*** A minimum of 5 years binding service is required