



2777 N HWY 59 Building C

Projected Costs Analysis
MID Rate: ED-3 vs. PG&E Rate: B19-Secondary

Energy Usage Data

	Jan-24	Feb-24	Mar-24	Apr-24	May-24	Jun-24	Jul-24	Aug-24	Sep-24	Oct-24	Nov-24	Dec-24	Total
Billing Days	31	28	31	30	31	30	31	31	30	31	30	31	365
Max Demand (kW)	720.00	720.00	720.00	720.00	720.00	720.00	720.00	720.00	720.00	720.00	720.00	720.00	720.00
Max Peak Demand	720.00	720.00	720.00	720.00	720.00	720.00	720.00	720.00	720.00	720.00	720.00	720.00	720.00
Max Part-Peak Demand	720.00	720.00	720.00	720.00	720.00	720.00	720.00	720.00	720.00	720.00	720.00	720.00	720.00
Peak	66,960.00	60,480.00	66,960.00	64,800.00	66,960.00	64,800.00	66,960.00	66,960.00	64,800.00	66,960.00	64,800.00	66,960.00	788,400
Part Peak	-	-	-	-	-	64,800.00	66,960.00	66,960.00	64,800.00	-	-	-	263,520
Off Peak	66,960.00	60,480.00	66,960.00	64,800.00	66,960.00	129,600.00	133,920.00	133,920.00	129,600.00	66,960.00	64,800.00	66,960.00	1,051,920
Super Off Peak	133,920.00	120,960.00	133,920.00	129,600.00	133,920.00	-	-	-	-	133,920.00	129,600.00	133,920.00	1,049,760
Total Usage (kWh)	267,840.00	241,920.00	267,840.00	259,200.00	267,840.00	259,200.00	267,840.00	267,840.00	259,200.00	267,840.00	259,200.00	267,840.00	3,153,600

MID Rate: ED-3

	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep	Oct	Nov	Dec	Total
Customer Charge	\$350.00	\$350.00	\$350.00	\$350.00	\$350.00	\$350.00	\$350.00	\$350.00	\$350.00	\$350.00	\$350.00	\$350.00	\$4,200.00
Demand Charge	\$7,200.00	\$7,200.00	\$7,200.00	\$7,200.00	\$20,160.00	\$20,160.00	\$20,160.00	\$20,160.00	\$20,160.00	\$20,160.00	\$7,200.00	\$7,200.00	\$164,160.00
Energy Charge	\$18,159.55	\$16,402.18	\$18,159.55	\$17,573.76	\$18,159.55	\$17,573.76	\$18,159.55	\$18,159.55	\$17,573.76	\$18,159.55	\$17,573.76	\$18,159.55	\$213,814.08
Environmental Charge	\$1,090.11	\$984.61	\$1,090.11	\$1,054.94	\$1,090.11	\$1,054.94	\$1,090.11	\$1,090.11	\$1,054.94	\$1,090.11	\$1,054.94	\$1,090.11	\$12,835.15
Power Cost Adjustment	\$14,610.40	\$13,196.49	\$14,610.40	\$14,139.10	\$14,610.40	\$14,139.10	\$14,610.40	\$14,610.40	\$14,139.10	\$14,610.40	\$14,139.10	\$14,610.40	\$172,025.73
Mandated Fees Merced	\$1,035.25	\$953.33	\$1,035.25	\$1,007.95	\$1,359.25	\$1,331.95	\$1,359.25	\$1,359.25	\$1,331.95	\$1,359.25	\$1,007.95	\$1,035.25	\$14,175.87
Public Benefits Charge	\$1,180.19	\$1,086.80	\$1,180.19	\$1,149.06	\$1,549.55	\$1,518.42	\$1,549.55	\$1,549.55	\$1,518.42	\$1,549.55	\$1,149.06	\$1,180.19	\$16,160.50
Energy Commission Tax	\$80.35	\$72.58	\$80.35	\$77.76	\$80.35	\$77.76	\$80.35	\$80.35	\$77.76	\$80.35	\$77.76	\$80.35	\$946.08
Estimated Total MID Charges	\$43,705.86	\$40,245.99	\$43,705.86	\$42,552.57	\$57,359.22	\$56,205.93	\$57,359.22	\$57,359.22	\$56,205.93	\$57,359.22	\$42,552.57	\$43,705.86	\$598,317.41

PG&E Rate: B19

	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep	Oct	Nov	Dec	Total
Customer Charge	1,875.16	1,693.70	1,875.16	1,814.67	1,875.16	1,814.67	1,875.16	1,875.16	1,814.67	1,875.16	1,814.67	1,875.16	22,078.54
Demand Charge	28,195.20	28,195.20	28,195.20	28,195.20	28,195.20	28,195.20	28,195.20	28,195.20	28,195.20	28,195.20	28,195.20	28,195.20	338,342.40
Maximum Peak Demand Charge	2,174.40	2,174.40	2,174.40	2,174.40	2,174.40	38,145.60	38,145.60	38,145.60	38,145.60	2,174.40	2,174.40	2,174.40	169,977.60
Maximum Part-Peak Charge	-	-	-	-	-	8,373.60	8,373.60	8,373.60	8,373.60	-	-	-	33,494.40
Energy Charge	35,426.53	31,998.15	35,426.53	34,283.74	35,426.53	48,163.25	49,768.69	49,768.69	48,163.25	35,426.53	34,283.74	35,426.53	473,562.14
Energy Commission Tax	80.35	72.58	80.35	77.76	80.35	77.76	80.35	80.35	77.76	80.35	77.76	80.35	946.08
Estimated Total PG&E Charges	\$67,751.64	\$64,134.03	\$67,751.64	\$66,545.77	\$67,751.64	\$124,770.08	\$126,438.61	\$126,438.61	\$124,770.08	\$67,751.64	\$66,545.77	\$67,751.64	\$1,038,401.16

Projected Savings

Dollars	\$24,045.79	\$23,888.03	\$24,045.79	\$23,993.20	\$10,392.43	\$68,564.16	\$69,079.39	\$69,079.39	\$68,564.16	\$10,392.43	\$23,993.20	\$24,045.79	\$440,083.75
Percent	55%	59%	55%	56%	18%	122%	120%	120%	122%	18%	56%	55%	74%

MID ED-3 Rates	Winter	Summer
Customer Charge	\$350.00	\$350.00
Demand Charge	\$10.00	\$28.00
Energy Charge	0.0678	0.0678
Mandated Fees	2.5%	2.5%
Energy Commission Tax	0.0003	0.0003
Environmental Charge	0.00407	0.00407
Power Cost Adjustment	0.054549	0.065468
Public Benefits Charge	2.85%	2.85%

PG&E B19 Rate Secondary Voltage (04/2024)	Winter	Summer
Customer Charge (Per Day)	60.48915	60.48915
Demand Rates	Peak	3.02
	Part Peak	11.63
	Maximum	39.16
Energy Rates	Peak	0.20952
	Part Peak	0.19106
	Off Peak	0.15515
	Super Off Peak	0.0822
Energy Commission Tax	0.0003	0.0003

Estimated Annual Savings	
\$440,083.75	74%

Estimated Effective Rates "All-in-Costs" Yearly Average (\$/kwh)	
Merced Irrigation District	\$ 0.190