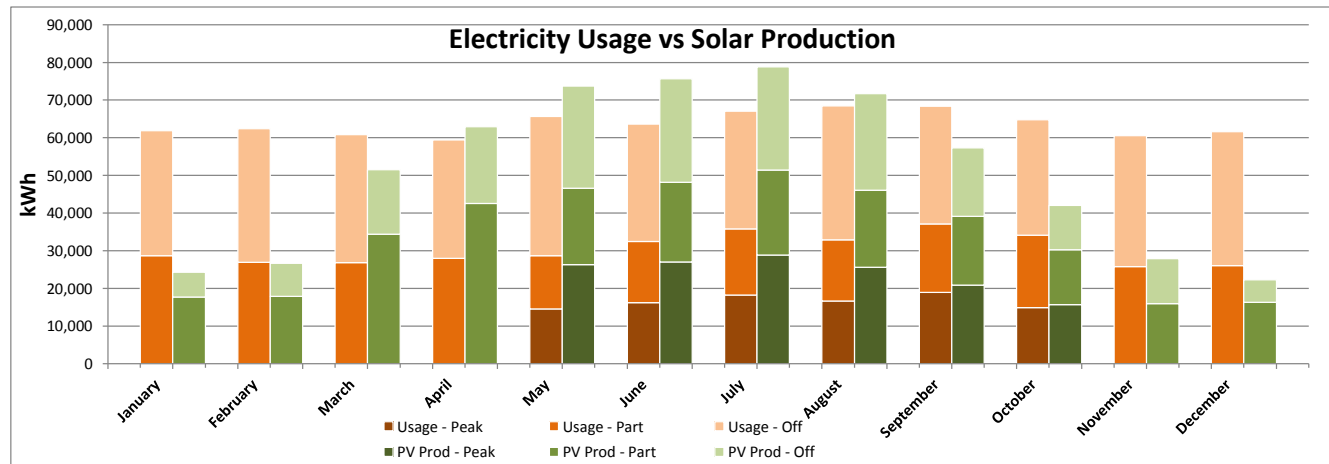
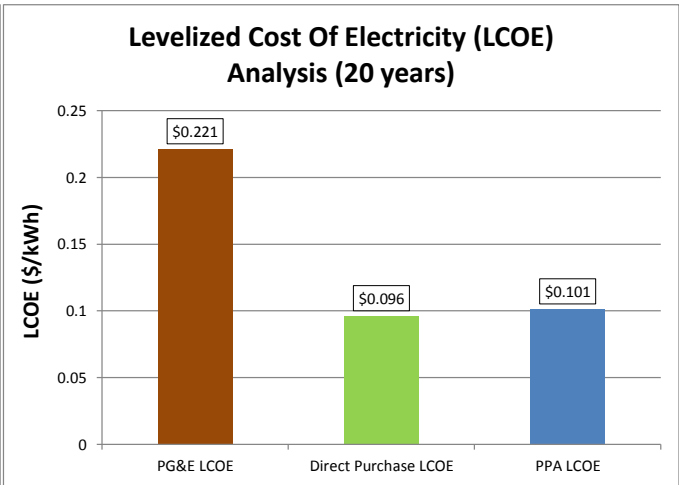
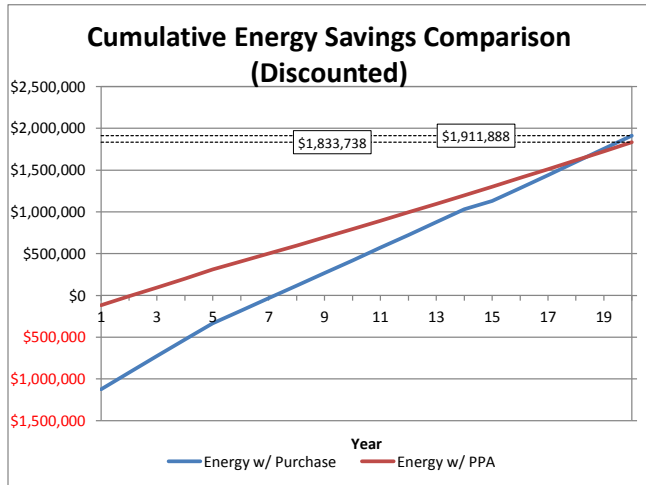
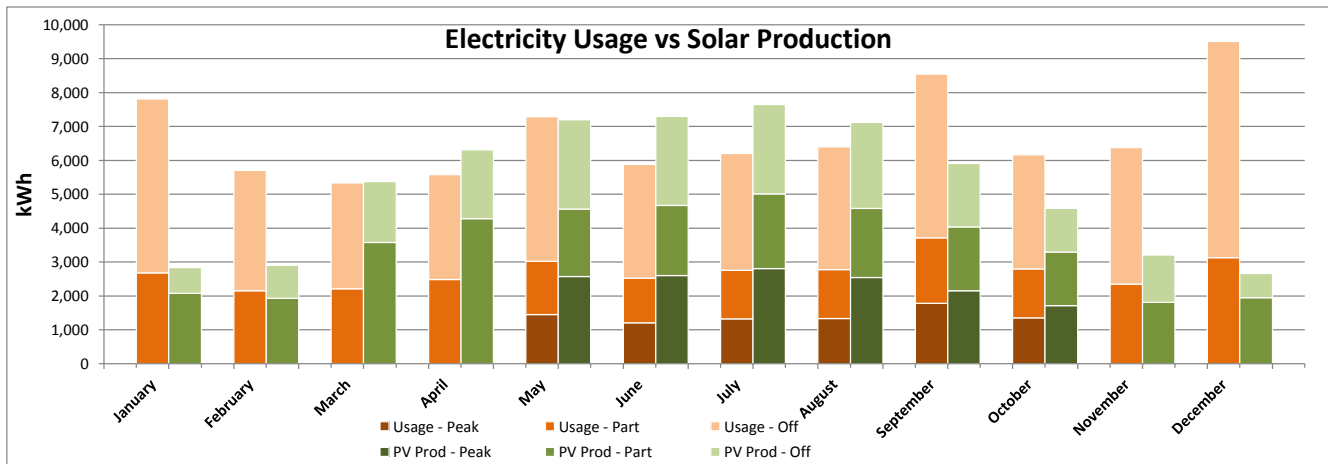
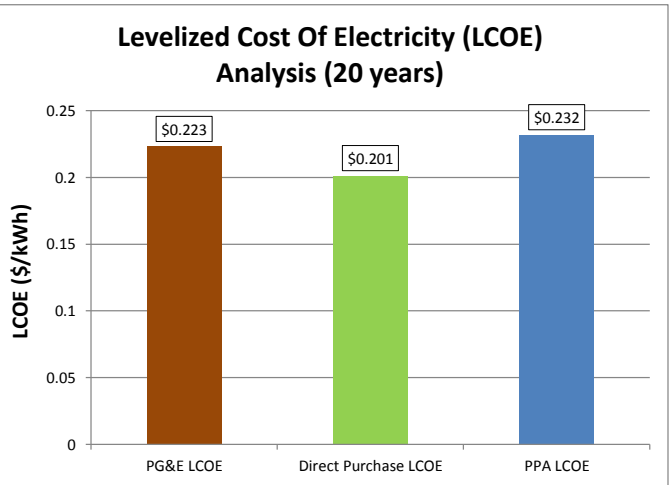
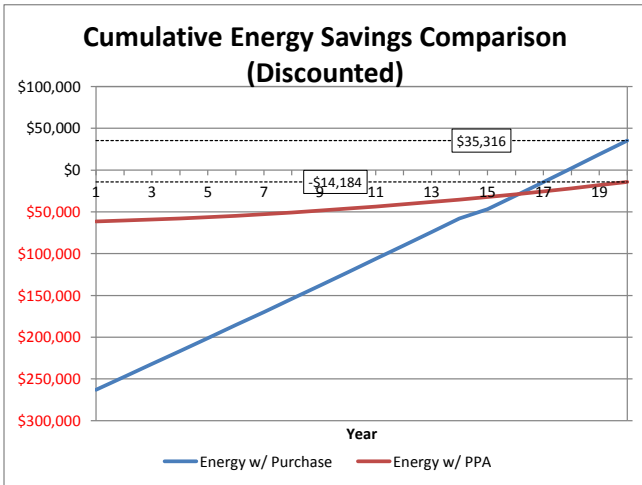


MOC Financial Analysis Summary (NEMA w/ Dorms)				
Site Information and Assumptions		Total Electricity Costs By Term (Discounted)		
Proposed PV System Size (kW-DC)	434.0	Year	Cost of PG&E	Cost of Purchase
Energy Yield (kWh/kW)	1,416	15-Year	\$ 2,476,856	\$ 1,347,588
Year 1 Solar Output (kWh)	614,735	20-Year	\$ 3,385,519	\$ 1,473,631
Annual Onsite Energy Usage (kWh)	764,489	20 year Savings/(Additional Cost)	\$ 1,911,888	\$ 1,833,738
Energy Offset by Solar	80%	% Savings	Year	Energy w/ Purchase
Annual PV degradation rate	0.50%		10-Year	26.0%
Current Utility Rate Schedule	A-10 S TOU		15-Year	45.6%
Proposed Rate Schedule	A-6 TOU		20-Year	56.5%
Utility Annual Escalation Assumption	4.0%	Payback Year =	8	3
Analysis Cycle	20 yrs	Levelized Cost of Energy (LCOE) (discounted)		
General Financial Inputs		Utility LCOE (20 years) (\$/kWh)	\$ 0.2214	
Discount Rate Assumption	3.00%	Direct Purchase LCOE (20 years) (\$/kWh)	\$ 0.0964	
Solar Rebate (\$/kWh) (Direct Purchase)	\$0.0880	PPA LCOE (20 years) (\$/kWh)	\$ 0.1015	
Solar Rebate Term (Years)	5	Net Present Value (NPV) of Total Electricity Cost		
Direct Purchase Information		Utility Energy Purchase (20 years)	\$ 3,385,519	
Cost (\$/W-DC)	\$2.31	Direct Purchase (20 years, incl O&M)	\$ 1,473,631	
Engineering, Procurement, Construction, PM, and Contingencies	\$1,324,630	PPA (20 years)	\$ 1,551,781	
Year 1 O&M	\$7,044	Environmental Impact		
O&M Annual Escalator	3.0%	Annual CO2 Reduction (metric tons)	441	
Power Purchase Agreement (PPA) Information		Annual Vehicle Miles Traveled Reduction Equivalent (miles)	1,012,840	
Initial PPA rate (\$/kWh)	\$0.1030	Annual Carbon Sequestration Equivalent (tree acres)	362	
Annual PPA escalator	2.90%			
PPA Project Management and Contingencies	\$223,035			



Shoreline Maintenance Financial Analysis Summary				
Site Information and Assumptions		Total Electricity Costs By Term (Discounted)		
Proposed PV System Size (kW-DC)	40.0	Year	Cost of PG&E	Cost of Purchase
Energy Yield (kWh/kW)	1,576	15-Year	\$ 263,824	\$ 310,877
Year 1 Solar Output (kWh)	63,026	20-Year	\$ 360,611	\$ 374,795
Annual Onsite Energy Usage (kWh)	80,796	20 year Savings/(Additional Cost)		\$ 35,316
Energy Offset by Solar	78%	% Savings	Year	Energy w/ Purchase
Annual PV degradation rate	0.50%		10-Year	-71.3%
Current Utility Rate Schedule	A-10 S		15-Year	-17.8%
Proposed Rate Schedule	A-6 TOU		20-Year	-3.9%
Utility Annual Escalation Assumption	4.0%	Payback Year =	18	24
Analysis Cycle	20 yrs	Levelized Cost of Energy (LCOE) (discounted)		
General Financial Inputs		Utility LCOE (20 years) (\$/kWh)	\$ 0.2232	
Discount Rate Assumption	3.00%	Direct Purchase LCOE (20 years) (\$/kWh)	\$ 0.2013	
Solar Rebate (\$/kWh) (Direct Purchase)	\$0.0000	PPA LCOE (20 years) (\$/kWh)	\$ 0.2319	
Solar Rebate Term (Years)	5	Net Present Value (NPV) of Total Electricity Cost		
Direct Purchase Information		Utility Energy Purchase (20 years)	\$ 360,611	
Cost (\$/W-DC)	\$4.91	Direct Purchase (20 years, incl O&M)	\$ 325,296	
Engineering, Procurement, Construction, PM, and Contingencies	\$278,148	PPA (20 years)	\$ 374,795	
Year 1 O&M	\$1,244	Environmental Impact		
O&M Annual Escalator	3.0%	Annual CO2 Reduction (metric tons)	45	
Power Purchase Agreement (PPA) Information		Annual Vehicle Miles Traveled Reduction Equivalent (miles)	103,843	
Initial PPA rate (\$/kWh)	\$0.2480	Annual Carbon Sequestration Equivalent (tree acres)	37	
Annual PPA escalator	2.90%			
PPA Project Management and Contingencies	\$62,297			



Shoreline Pro Shop Financial Analysis Summary (NEMA w/ FS #5)

Site Information and Assumptions		Total Electricity Costs By Term (Discounted)			
		Year	Cost of PG&E	Cost of Purchase	Cost of PPA
Proposed PV System Size (kW-DC)	109.2	15-Year	\$ 729,248	\$ 880,227	\$ 800,266
Energy Yield (kWh/kW)	1,574	20-Year	\$ 996,781	\$ 969,803	\$ 1,031,568
Year 1 Solar Output (kWh)	171,914	20 year Savings/(Additional Cost)		\$ 26,978	\$ (34,787)
Annual Onsite Energy Usage (kWh)	246,555	% Savings	Year	Energy w/ Purchase	Energy w/ PPA
Energy Offset by Solar	70%		10-Year	-65.8%	-21.1%
Annual PV degradation rate	0.50%		15-Year	-20.7%	-9.7%
Current Utility Rate Schedule	A-10 S		20-Year	2.7%	-3.5%
Proposed Rate Schedule	A-6 TOU	Payback Year =		20	25
Utility Annual Escalation Assumption	4.0%	Levelized Cost of Energy (LCOE) (discounted)			
Analysis Cycle	20 yrs	Utility LCOE (20 years) (\$/kWh)		\$ 0.2021	
General Financial Inputs		Direct Purchase LCOE (20 years) (\$/kWh)		\$ 0.1967	
Discount Rate Assumption	3.00%	PPA LCOE (20 years) (\$/kWh)		\$ 0.2092	
Solar Rebate (\$/kWh) (Direct Purchase)	\$0.0000	Net Present Value (NPV) of Total Electricity Cost			
Solar Rebate Term (Years)	5	Utility Energy Purchase (20 years)		\$ 996,781	
Direct Purchase Information		Direct Purchase (20 years, incl O&M)		\$ 969,803	
Cost (\$/W-DC)	\$4.33	PPA (20 years)		\$ 1,031,568	
Engineering, Procurement, Construction, PM, and Contingencies	\$654,905	Environmental Impact			
Year 1 O&M	\$3,024	Annual CO2 Reduction (metric tons)		123	
O&M Annual Escalator	3.0%	Annual Vehicle Miles Traveled Reduction Equivalent (miles)		283,246	
Power Purchase Agreement (PPA) Information		Annual Carbon Sequestration Equivalent (tree acres)		101	
Initial PPA rate (\$/kWh)	\$0.2020				
Annual PPA escalator	2.90%				
PPA Project Management and Contingencies	\$135,040				

