



Bill Impact Estimate – Small Business Financing Customers

Small Business Financing (SBF) customers can use this Bill Impact Estimate to evaluate the potential annual energy and bill cost savings from common energy saving measures, shown on page 2. The estimated impacts represent a statewide average and may not reflect your specific use case, climate zone, or utility provider. Utility rates used in the calculations are based on averages across California’s investor-owned utilities for non-residential electric and gas customers.¹

These estimates of energy and bill cost savings are provided for informational purposes only. While energy efficiency improvements made to your business are designed to reduce energy consumption, your monthly energy costs can vary due to many factors such as rates, weather, and operating schedule.

Additional Resources

Each of the Investor-Owned Utilities (IOUs) offers online tools for estimating energy usage and ways to save. You can search online for business resources for PG&E, Southern California Edison, SDG&E and SoCalGas customers.

- California Energy Wise offers online resources at <https://caenergywise.com/calculators/>
- We encourage all customers to check the license status of their contractor through the Contractor **State Licensing Board’s** online tool: <https://www.cslb.ca.gov/OnlineServices/CheckLicenseII/CheckLicense.aspx>
- A Certified Energy Manager (CEM) can develop a project scope and provide detailed energy savings estimates. Hiring a CEM can provide you with more confidence that you will achieve projected energy savings. To search for a CEM using the link provided, be sure to select “CEM – Certified Energy Manager” in the Certification Type field. <https://portal.aeecenter.org/custom/cpdirectory/index.cfm>

For more information about the CHEEF Programs, please visit www.GoGreenFinancing.com.

¹ Electric Rates: Commercial customer bundled retail sales prices for California investor-owned utilities in 2018, available at https://www.eia.gov/electricity/sales_revenue_price/ table 7. The low rate is \$0.1469 per kWh; the sales weighted average rate is \$0.1738 per kWh; the high rate is \$0.2324 per kWh.

Gas Rates: Commercial customer natural gas price for California, available at https://www.eia.gov/dnav/ng/NG_PRI_SUM_DCUSCA_M.htm. The January 2020 price of \$10.49/MCF (\$1.01/therm) was used for the average rate, -15% for the low rate, and +15% for the high rate.

References and assumptions for all measures shown are available in a separate document available on request.

Bill Impact Estimate for Common Electric Equipment

Category	Electric Measure	Specification	Annual kWh Savings	Qty	Bill Savings Estimate (Annual)		
					Low	Avg	High
Agriculture	VFD on Well Pump Motor	20 HP	5,140	1	\$755	\$893	\$1,194
Food Service	Electric Fryer	ENERGY STAR rated, 85% efficient	3,230	1	\$474	\$561	\$751
HVAC	Rooftop Unit A/C	5 tons, 16 SEER	2,873	1	\$422	\$499	\$668
HVAC	VFD on Supply Fan Motor	5 HP fan, 30% min CFM	5,654	1	\$830	\$983	\$1,314
HVAC	Variable Refrigerant Flow (VRF) Heat Pump	10 tons, 15.7 EER	4,793	1	\$704	\$833	\$1,114
Lighting	LED Linear Replacement Lamp (TLED)	DLC qualified, 4-foot type A, 2300 lumens	26	100	\$383	\$453	\$606
Lighting	LED Troffer Fixture	DLC qualified 2x4, 4200 lumens	54	50	\$399	\$472	\$632
Lighting	Networked Lighting Control System	5000 square feet controlled	3,758	1	\$552	\$653	\$873
Refrigeration	Brushless DC Fan Motor (ECM) with Evaporator Fan Motor Control	Replace 1/15 hp shaded-pole motors in walk-in cooler	1,379	5	\$1,013	\$1,198	\$1,602
Refrigeration	Add Doors to Open Case	Medium temperature case	313	10	\$460	\$544	\$728
Water Heating	Heat Pump Water Heater	ENERGY STAR rated, 75 gallons, 2.40 EF	6,665	1	\$979	\$1,158	\$1,549

Bill Impact Estimate for Common Gas Equipment

Category	Gas Measure	Specification	Annual Therm Savings	Qty	Bill Savings Estimate (Annual)		
					Low	Avg	High
Food Service	Gas Combination Oven	ENERGY STAR rated, 56% efficient convection and 41% efficient steam	1,186	1	\$1,021	\$1,201	\$1,381
Food Service	Gas Fryer	ENERGY STAR rated, 57% efficient	783	1	\$674	\$793	\$912
Food Service	Commercial Dishwasher	ENERGY STAR rated, 0.6 GPR	206	1	\$177	\$209	\$240
HVAC	Duct Insulation	5000 square feet of conditioned space, R-8.0	214	1	\$184	\$217	\$250
HVAC	Energy Recovery Ventilator (ERV)	5000 square feet of ventilated space	581	1	\$500	\$588	\$677
HVAC	Commercial Boiler	250 kBtuh, 94 AFUE, with outdoor reset	351	1	\$302	\$355	\$409
Pools	Pool Cover	20' x 40' pool, R-0.5	532	1	\$458	\$539	\$619
Water Heating	Ozone Laundry System	15,000 pounds of laundry per month	1,164	1	\$1,002	\$1,179	\$1,355
Water Heating	Tank Insulation	2" tank insulation on 75-gallon tank with 140° water	493	1	\$424	\$499	\$574
Water Heating	Tankless Water Heater	150 kBtuh, 0.92 EF	734	1	\$631	\$743	\$854