

2019-2020 RATES AND EXAMPLE BILL IMPACTS

RESIDENTIAL RATES

Residential rate schedules include a low-cost first-block energy rate per kWh, a higher end-block energy rate per kWh, and a base service charge. The first-block rate applies to the first 10 kWh per day April-September and the first 16 kWh per day October-March.

The base service charge (a daily per-meter charge) is set to recover a portion of fixed customer costs. Rates are currently designed to recover 50% of the marginal (unloaded) customer costs, or **32%** of the full fixed cost of service.

2019 bill impacts for residential customers will range from about \$2.00 to \$4.92, which would be the largest monthly increase any customer could receive. UDP rates reflect a 60% discount on all charges; therefore, monthly bill increases for UDP customers will be in the \$1.00 range and be no higher than \$1.97.

Residential City		2018	2019	2020		
Number of meters:	364,283	First Block (\$/kWh)	\$0.0768	\$0.0889	\$0.0989	
		End-Block (\$/kWh)	\$0.1306	\$0.1306	\$0.1306	
		Base Service Charge (\$/month)	\$5.05	\$5.26	\$5.39	
Example Bill Impacts						
Monthly Bills - Standard	kWh	2018	2019	Increase	2020	Increase
Apt- Gas/Oil Heat	204	\$20.69	\$23.36	\$2.67	\$25.53	\$2.17
Apt- Electric Heat	463	\$45.56	\$50.26	\$4.70	\$54.12	\$3.85
SF Home- Gas/Oil Heat	634	\$66.85	\$71.78	\$4.92	\$75.81	\$4.04
SF Home- Electric Heat	841	\$93.87	\$98.80	\$4.92	\$102.83	\$4.04
SF Home- High User	1,180	\$138.15	\$143.07	\$4.92	\$147.11	\$4.04
Monthly Bills – UDP*						
Apt- Gas/Oil Heat	204	\$8.28	\$9.34	\$1.07	\$10.21	\$0.87
SF Home- Electric Heat	841	\$37.55	\$39.52	\$1.97	\$41.13	\$1.61

*UDP Rates are 40% of standard residential rates

SMALL GENERAL SERVICE RATES

Small general service rates are comprised of a single energy charge per kWh only. A minimum charge is designed to collect the marginal (unloaded) fixed customer cost.

Small General Service City (< 50 kW)		2018	2019	2020		
Number of meters:	40,307	Energy (\$/kWh)	\$0.0946	\$0.0988	\$0.1041	
Example Bill Impacts						
Monthly Bills	kWh	2018	2019	Increase	2020	Increase
Small Office	1,195	\$113	\$118	\$5	\$124	\$6
Car Wash	7,573	\$716	\$748	\$32	\$788	\$40
Investment Firm	8,833	\$836	\$873	\$37	\$920	\$47

MEDIUM GENERAL SERVICE RATES

Medium general service rates are comprised of an energy charge per kWh and a demand charge per kW. The demand charge is levied on the customer's maximum kW use in a billing period. The demand charge is set to recover **20%** of the marginal cost of distribution, the same as the current rate schedules. The 2019 and 2020 demand charges are higher than 2018 demand charges, reflecting an increase in the marginal cost of distribution services. A minimum charge is designed to collect the marginal (unloaded) fixed customer cost.

Energy charges are set to recover the balance of the revenue requirement for the class, after revenue from the demand charge is taken into account.

Medium General Service City (>=50 kW and < 1,000 kW)		2018	2019	2020			
Number of meters:	2,322	Energy (\$/kWh)	\$0.0726	\$0.0754	\$0.0799		
		Demand (\$/kW)	\$3.44	\$3.80	\$3.89		
Example Bill Impacts							
Monthly Bills	Load Factor	kWh	2018	2019	Increase	2020	Increase
Office Building	20%	135,650	\$11,439	\$11,985	\$546	\$12,634	\$649
Apt. Complex	34%	216,300	\$17,698	\$18,513	\$814	\$19,534	\$1,021
Produce Co.	54%	50,705	\$4,045	\$4,225	\$180	\$4,461	\$237
Real Estate Dev	82%	453,050	\$35,117	\$36,618	\$1,501	\$38,708	\$2,090
Medium Network (>=50 kW and < 1,000 kW)		2018	2019	2020			
Number of meters:	561	Energy (\$/kWh)	\$0.0838	\$0.0911	\$0.0977		
		Demand (\$/kW)	\$7.67	\$8.19	\$8.38		
Example Bill Impacts							
Monthly Bills	Load Factor	kWh	2018	2019	Increase	2020	Increase
Theater	29%	78,840	\$9,087	\$9,831	\$744	\$10,412	\$582
Hotel	42%	89,220	\$9,077	\$9,836	\$760	\$10,465	\$628
Office Building	66%	43,325	\$4,437	\$4,807	\$371	\$5,113	\$306
Grocery Store	71%	229,150	\$22,460	\$24,354	\$1,894	\$25,947	\$1,593

LARGE GENERAL SERVICE AND HIGH DEMAND RATES

Large and High Demand general service rate schedules have peak and off-peak energy charges per kWh and peak and off-peak demand charges per kW. Peak energy charges are set at **1.5** times the off-peak charges, as with the current rate schedules. A minimum charge is designed to collect the marginal (unloaded) fixed customer cost.

The demand charge is set to recover **20%** of the marginal cost of distribution, the same as the current rate schedules. On-peak demand charges for Large and High Demand customers are higher than current charges, reflecting an increase in the marginal cost of distribution services. Off-peak demand charges are slightly lower, reflecting minimal changes in the transformer costs on which these rates are based.

Large General Service City (>=1,000 kW and < 10,000 kW)			2018	2019	2020		
Number of meters:	88		Energy On-Peak (\$/kWh)	\$0.0834	\$0.0856	\$0.0905	
			Energy Off-peak (\$/kWh)	\$0.0551	\$0.0571	\$0.0603	
			Demand On-Peak (\$/kW)	\$3.12	\$3.66	\$3.74	
			Demand Off-Peak (\$/kW)	\$0.27	\$0.26	\$0.26	
Example Bill Impacts							
Monthly Bills	Load Factor	kWh	2018	2019	Increase	2020	Increase
Cement	18%	218,316	\$19,663	\$20,864	\$1,202	\$21,882	\$1,017
Shipyards	35%	974,837	\$78,972	\$82,493	\$3,520	\$86,869	\$4,376
Office Building	67%	794,604	\$57,958	\$59,872	\$1,914	\$63,241	\$3,369
Hospital	69%	1,569,322	\$120,639	\$125,389	\$4,749	\$132,223	\$6,835
Large Network General Service (>=1,000 kW)			2018	2019	2020		
Number of meters:	65		Energy On-Peak (\$/kWh)	\$0.0921	\$0.0965	\$0.1034	
			Energy Off-peak (\$/kWh)	\$0.0610	\$0.0643	\$0.0689	
			Demand On-Peak (\$/kW)	\$7.81	\$7.93	\$8.14	
			Demand Off-Peak (\$/kW)	\$0.27	\$0.26	\$0.26	
Example Bill Impacts							
Monthly Bills	Load Factor	kWh	2018	2019	Increase	2020	Increase
Event Space	20%	250,425	\$28,546	\$29,678	\$1,132	\$31,426	\$1,748
Office Tower	43%	778,219	\$82,568	\$86,019	\$3,451	\$91,351	\$5,333
Hotel	67%	1,092,825	\$102,938	\$107,514	\$4,576	\$114,485	\$6,972

High Demand General Service City (>= 10,000 kW)			2018	2019	2020		
Number of meters:	7		Energy On-Peak (\$/kWh)	\$0.0777	\$0.0811	\$0.0861	
			Energy Off-peak (\$/kWh)	\$0.0513	\$0.0541	\$0.0574	
			Demand On-Peak (\$/kW)	\$3.12	\$3.66	\$3.74	
			Demand Off-Peak (\$/kW)	\$0.27	\$0.26	\$0.26	
Example Bill Impacts							
Monthly Bills	Load Factor	kWh	2018	2019	Increase	2020	Increase
Metals	40%	20,764,265	\$1,562,900	\$1,664,759	\$101,859	\$1,756,955	\$92,197
Waste Treatment	45%	4,275,991	\$313,570	\$332,301	\$18,731	\$351,279	\$18,978
Education	67%	24,077,474	\$1,754,076	\$1,853,507	\$99,430	\$1,961,165	\$107,658
Glass Manufacturer	88%	7,462,299	\$528,705	\$558,203	\$29,498	\$590,860	\$32,657