

2023 CPCA				
Average Monthly Bill Impact Analysis				
	Current	Bill With	Monthly	Monthly
	Bills	TEP/CPC	\$ Change	% Change
		A		
Residential - R	\$72.27	\$72.73	\$0.46	0.63%
Commercial - C	\$108.09	\$108.73	\$0.64	0.59%
Secondary General - SG	\$2,200	\$2,213	\$13	0.59%
Primary General - PG	\$36,249	\$36,436	\$187	0.52%
Transmission General - TG	\$581,594	\$581,594	\$0	0.00%

Public Service Company of Colorado
 Electric Department
 Customer Impact Study
 Bill Impacts of CPCA Rate Change

Customer Class	Current Rates & DSMCA	2023 CPCA Rider	Monthly Average Usage	Current Average Bill	2023 CPCA Bill	Change \$	Change %
Residential - Schedule R							
Service and Facility Charge	\$5.41	\$5.41		\$5.41	\$5.41	\$0.00	0.0%
Energy Charge Annualized	\$0.06113/kWh	\$0.06113/kWh	614 kWh	\$37.56	\$37.56	\$0.00	0.0%
GRSA	5.76%	5.76%		\$2.48	\$2.48	\$0.00	0.0%
GRSA-E	\$0.00823/kWh	\$0.00823/kWh	614 kWh	\$5.06	\$5.06	\$0.00	0.0%
Base Rate Amount				\$50.51	\$50.51	\$0.00	0.0%
DSMCA/CPCA	\$0.00199/kWh	\$0.00272/kWh	614 kWh	\$1.22	\$1.67	\$0.45	36.7%
PCCA	\$0.00392/kWh	\$0.00392/kWh	614 kWh	\$2.41	\$2.41	\$0.00	0.0%
CACJA	(\$0.00008)/kWh	(\$0.00008)/kWh	614 kWh	(\$0.05)	(\$0.05)	\$0.00	0.0%
TCA	\$0.00036/kWh	\$0.00036/kWh	614 kWh	\$0.22	\$0.22	\$0.00	0.0%
ECA - Secondary	\$0.02691/kWh	\$0.02691/kWh	614 kWh	\$16.54	\$16.54	\$0.00	0.0%
RESA	2.00%	2.00%		\$1.42	\$1.43	\$0.01	0.7%
Total Bill				\$72.27	\$72.73	\$0.46	0.6%

Customer Class	Current Rates & DSMCA	2023 CPCA Rider	Monthly Average Usage	Current Average Bill	2023 CPCA Bill	Change \$	Change %
Commercial - Schedule C							
Service and Facility Charge	\$10.43	\$10.43		\$10.43	\$10.43	\$0.00	0.0%
Energy Charge Annualized	\$0.05722/kWh	\$0.05722/kWh	939 kWh	\$53.71	\$53.71	\$0.00	0.0%
GRSA	5.76%	5.76%		\$3.69	\$3.69	\$0.00	0.0%
GRSA-E	\$0.00814/kWh	\$0.00814/kWh	939 kWh	\$7.64	\$7.64	\$0.00	0.0%
Base Rate Amount				\$75.47	\$75.47	\$0.00	0.0%
DSMCA/CPCA	\$0.00181/kWh	\$0.00248/kWh	939 kWh	\$1.70	\$2.33	\$0.63	37.1%
PCCA	\$0.00353/kWh	\$0.00353/kWh	939 kWh	\$3.31	\$3.31	\$0.00	0.0%
CACJA	(\$0.00007)/kWh	(\$0.00007)/kWh	939 kWh	(\$0.07)	(\$0.07)	\$0.00	0.0%
TCA	\$0.00032/kWh	\$0.00032/kWh	939 kWh	\$0.30	\$0.30	\$0.00	0.0%
ECA - Secondary	\$0.02691/kWh	\$0.02691/kWh	939 kWh	\$25.26	\$25.26	\$0.00	0.0%
RESA	2.00%	2.00%		\$2.12	\$2.13	\$0.01	0.5%
Total Bill				\$108.09	\$108.73	\$0.64	0.6%

Customer Class	Current Rates & DSMCA	2023 CPCA Rider	Monthly Average Usage	Current Average Bill	2023 CPCA Bill	Change \$	Change %
Secondary General - Schedule SG							
Service and Facility Charge	\$34.40	\$34.40		\$34.40	\$34.40	\$0.00	0.0%
Energy Charge	\$0.00461/kWh	\$0.00461/kWh	23,509 kWh	\$108.38	\$108.38	\$0.00	0.0%
Distribution Demand Charge	\$5.63/kW-mo	\$5.63/kW-mo	65.4kW-mo	\$368.10	\$368.10	\$0.00	0.0%
G & T Demand Charge - Annualiz	\$11.34/kW-mo	\$11.34/kW-mo	63.7kW-mo	\$722.38	\$722.38	\$0.00	0.0%
GRSA	5.76%	5.76%		\$71.04	\$71.04	\$0.00	0.0%
GRSA-E	\$0.00420	\$0.00420	23,509 kWh	\$98.74	\$98.74	\$0.00	0.0%
Base Rate Amount				\$1,403.04	\$1,403.04	\$0.00	0.0%
DSMCA/CPCA	\$0.62/kW-mo	\$0.82/kW-mo	63.7kW-mo	\$39.49	\$52.22	\$12.73	32.2%
PCCA	\$1.21/kW-mo	\$1.21/kW-mo	63.7kW-mo	\$77.07	\$77.07	\$0.00	0.0%
CACJA	(\$0.03)/kW-mo	(\$0.03)/kW-mo	63.7kW-mo	(\$1.91)	(\$1.91)	\$0.00	0.0%
TCA	\$0.11/kW-mo	\$0.11/kW-mo	63.7kW-mo	\$7.01	\$7.01	\$0.00	0.0%
ECA - Secondary	\$0.02691/kWh	\$0.02691/kWh	23,509 kWh	\$632.64	\$632.64	\$0.00	0.0%
RESA	2.00%	2.00%		\$43.15	\$43.40	\$0.25	0.6%

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Customer Class	Current Rates & DSMCA	2023 CPCA Rider	Monthly Average Usage	Current Average Bill	2023 CPCA Bill	Change \$	%
Total Bill				\$2,200.49	\$2,213.47	\$12.98	0.6%

Customer Class	Current Rates & DSMCA	2023 CPCA Rider	Monthly Average Usage	Current Average Bill	2023 CPCA Bill	Change \$	%
Primary General - Schedule PG							
Service and Facility Charge	\$322.00	\$322.00		\$322.00	\$322.00	\$0.00	0.0%
Energy Charge	\$0.00458/kWh	\$0.00458/kWh	500,519 kWh	\$2,292.37	\$2,292.37	\$0.00	0.0%
Distribution Demand Charge	\$3.86/kW-mo	\$3.86/kW-mo	1,052.2kW-mo	\$4,061.56	\$4,061.56	\$0.00	0.0%
G & T Demand Charge - Annualiz	\$11.21/kW-mo	\$11.21/kW-mo	968.7kW-mo	\$10,858.15	\$10,858.15	\$0.00	0.0%
GRSA	5.76%	5.76%		\$1,009.96	\$1,009.96	\$0.00	0.0%
GRSA-E	\$0.00410/kWh	\$0.00410/kWh	500,519 kWh	\$2,052.13	\$2,052.13	\$0.00	0.0%
Base Rate Amount				\$20,596.17	\$20,596.17	\$0.00	0.0%
DSMCA/CPCA	\$0.60/kW-mo	\$0.79/kW-mo	968.7kW-mo	\$581.20	\$764.81	\$183.61	31.6%
PCCA	\$1.15/kW-mo	\$1.15/kW-mo	968.7kW-mo	\$1,113.97	\$1,113.97	\$0.00	0.0%
CACJA	(\$0.02)/kW-mo	(\$0.02)/kW-mo	968.7kW-mo	(\$19.37)	(\$19.37)	\$0.00	0.0%
TCA	\$0.10/kW-mo	\$0.10/kW-mo	968.7kW-mo	\$96.87	\$96.87	\$0.00	0.0%
ECA - Primary On-Peak (1)	\$0.03204/kWh	\$0.03204/kWh	203,040 kWh	\$6,505.41	\$6,505.41	\$0.00	0.0%
ECA - Primary Off-Peak (1)	\$0.02240/kWh	\$0.02240/kWh	297,478 kWh	\$6,663.51	\$6,663.51	\$0.00	0.0%
RESA	2.00%	2.00%		\$710.76	\$714.43	\$3.67	0.5%
Total Bill				\$36,248.52	\$36,435.80	\$187.28	0.5%

Customer Class	Current Rates & DSMCA	2023 CPCA Rider	Monthly Average Usage	Current Average Bill	2023 CPCA Bill	Change \$	%
Transmission General - Schedule TG							
Service and Facility Charge	\$15,975	\$15,975		\$15,975.00	\$15,975.00	\$0.00	0.0%
Energy Charge	\$0.00441/kWh	\$0.00441/kWh	9,561,928 kWh	\$42,168.10	\$42,168.10	\$0.00	0.0%
G & T Demand Charge - Annualiz	\$9.63/kW-mo	\$9.63/kW-mo	19,143.9kW-mo	\$184,316.59	\$184,316.59	\$0.00	0.0%
GRSA	5.76%	5.76%		\$13,965.68	\$13,965.68	\$0.00	0.0%
GRSA-E	\$0.00406/kWh	\$0.00406/kWh	9,561,928 kWh	\$38,821.43	\$38,821.43	\$0.00	0.0%
Base Rate Amount				\$295,246.80	\$295,246.80	\$0.00	0.0%
DSMCA/CPCA	\$0.54/kW-mo	\$0.54/kW-mo	19,143.9kW-mo	\$10,337.71	\$10,337.71	\$0.00	0.0%
PCCA	\$1.03/kW-mo	\$1.03/kW-mo	19,143.9kW-mo	\$19,718.22	\$19,718.22	\$0.00	0.0%
CACJA	(\$0.02)/kW-mo	(\$0.02)/kW-mo	19,143.9kW-mo	(\$382.88)	(\$382.88)	\$0.00	0.0%
TCA	\$0.09/kW-mo	\$0.09/kW-mo	19,143.9kW-mo	\$1,722.95	\$1,722.95	\$0.00	0.0%
ECA - Transmission On-Peak (1)	\$0.03158/kWh	\$0.03158/kWh	3,412.652 kWh	\$107,771.55	\$107,771.55	\$0.00	0.0%
ECA - Transmission Off-Peak (1)	\$0.02208/kWh	\$0.02208/kWh	6,149,276 kWh	\$135,776.01	\$135,776.01	\$0.00	0.0%
RESA	2.00%	2.00%		\$11,403.81	\$11,403.81	\$0.00	0.0%
Total Bill				\$581,594.17	\$581,594.17	\$0.00	0.0%

DSMCA Class Cost Allocation & Rate Design

<u>Rate Class</u>	<u>Average and Excess Demand 4CP-AED - kW</u>	<u>Allocation Ratio</u>	<u>Allocated Revenue Requirement</u>	<u>Billing Volumes kWh</u>	<u>Billing Volumes Demand kW</u>	<u>DSMCA Rate</u>
Residential General	2,364,096	39.4%	\$18,596,647	9,478,085,450 kWh		\$0.00199/kWh
Residential Demand	3,461	0.1%	\$27,225	28,989,059 kWh	132,308 kW-months	\$0.22/kW-month
Small Commercial	297,045	4.9%	\$2,336,640	1,322,963,981 kWh		\$0.00181/kWh
C&I Secondary	2,500,074	41.7%	\$19,666,288	12,154,776,656 kWh	32,482,460 kW-months	\$0.62/kW-month
C&I Primary	515,748	8.6%	\$4,057,019	3,640,021,645 kWh	7,041,021 kW-months	\$0.60/kW-month
C&I Transmission	300,158	5.0%	\$2,361,128	2,421,645,990 kWh	4,578,157 kW-months	\$0.54/kW-month
Street and Area Lighting	19,022	0.3%	\$149,632	159,306,888 kWh		\$0.00097/kWh
Traffic Signal Lighting	2,396	0.0%	\$18,848	20,062,050 kWh		\$0.00097/kWh
CPUC Total	6,002,000	100.0%	\$48,294,993	29,225,851,720 kWh		

TEP Class Cost Allocation & Rate Design

<u>Rate Class</u>	<u>TEP Allocation</u>	<u>Allocated Revenue Requirement</u>	<u>Billing Volumes kWh</u>	<u>Billing Volumes Demand kW</u>	<u>TEP Rates</u>
Residential General	44.2%	\$6,922,755	9,478,085,450 kWh		\$0.00073/kWh
Residential Demand	0.1%	\$22,035	28,989,059 kWh	132,308 kW-months	\$0.17/kW-month
Small Commercial	5.7%	\$886,661	1,322,963,981 kWh		\$0.00067/kWh
C&I Secondary	41.5%	\$6,492,923	12,154,776,656 kWh	32,482,460 kW-months	\$0.20/kW-month
C&I Primary	8.5%	\$1,334,586	3,640,021,645 kWh	7,041,021 kW-months	\$0.19/kW-month
C&I Transmission	0.0%	\$0	2,421,645,990 kWh	4,578,157 kW-months	\$0.00/kW-month
Street and Area Lighting	0.0%	\$0	159,306,888 kWh		\$0.00000/kWh
Traffic Signal Lighting	0.0%	\$0	20,062,050 kWh		\$0.00000/kWh
CPUC Total	100.0%	\$15,658,961	29,225,851,720 kWh		

Total CPCA Rate Calculation

<u>Rate Class</u>	<u>DSMCA Rate</u>	<u>TEP Rate</u>	<u>Total CPCA Rate</u>	<u>Billing Volumes</u>	<u>Revenue</u>
Residential General	\$0.00199/kWh	\$0.00073/kWh	\$0.00272/kWh	9,478,085,450 kWh	\$25,784,145
Residential Demand	\$0.22/kW-month	\$0.17/kW-month	\$0.39/kW-month	132,308 kW-months	\$51,143
Small Commercial	\$0.00181/kWh	\$0.00067/kWh	\$0.00248/kWh	1,322,963,981 kWh	\$3,281,226
C&I Secondary	\$0.62/kW-month	\$0.20/kW-month	\$0.82/kW-month	32,482,460 kW-months	\$26,632,049
C&I Primary	\$0.60/kW-month	\$0.19/kW-month	\$0.79/kW-month	7,041,021 kW-months	\$5,559,198
C&I Transmission	\$0.54/kW-month	\$0.00/kW-month	\$0.54/kW-month	4,578,157 kW-months	\$2,472,205
Street and Area Lighting	\$0.00097/kWh	\$0.00000/kWh	\$0.00097/kWh	159,306,888 kWh	\$154,528
Traffic Signal Lighting	\$0.00097/kWh	\$0.00000/kWh	\$0.00097/kWh	20,062,050 kWh	\$19,460
					\$63,953,954
				Revenue Requirements	
				DSMCA	\$48,294,993
				TEP	\$15,658,961
				Total	\$63,953,954