

**Customer Bill Impacts
Phase II Electric Rate Case**

**Public Service Company of Colorado
 Electric Department
 Customer Impact Study
 Bill Impacts of Rate Case
 Current Rates VS Phase II Only**

Customer Class	Current Rates	Phase II Rates	Monthly Average Usage	Current Bill	Phase II Bill	Monthly Difference \$	Monthly Difference %
Residential - Schedule R							
Service and Facility Charge	\$ 5.47	\$ 6.00		\$ 5.47	\$ 6.00	\$ 0.53	
Energy Charge Annualized	\$0.06124 /kWh	\$ 0.07687 /kWh	617 kWh	37.81	47.45	9.64	
GRSA	0.00%	0.00%		-	-	-	
GRSA-E	\$0.00876	\$0.00000		5.41	-	(5.41)	
Base Rate Amount				\$ 48.69	\$ 53.45	\$ 4.76	9.78%
DSMCA	\$0.00189	\$ 0.00189 /kWh		\$ 1.17	\$ 1.17	\$ -	
PCCA	\$0.00392	\$ 0.00392 /kWh		\$ 2.42	\$ 2.42	\$ -	
CACJA	#####	\$ (0.00008) /kWh		\$ (0.05)	\$ (0.05)	\$ -	
TCA	\$0.00036	\$ 0.00036 /kWh		\$ 0.22	\$ 0.22	\$ -	
ECA - Secondary	\$0.03084	\$ 0.03084 /kWh		\$ 19.04	\$ 19.04	\$ -	
Subtotal Base Rate Adjustments				\$ 22.80	\$ 22.80	\$ -	
Total Bill Subtotal				\$ 71.49	\$ 76.25	\$ 4.76	6.66%
RESA	2.00%	2.00%		\$ 1.43	\$ 1.52	\$ 0.09	
Total Bill				\$ 72.92	\$ 77.77	\$ 4.85	6.65%
Commercial - Schedule C							
Service and Facility Charge	\$ 10.50	\$ 10.50		\$ 10.50	\$ 10.50	\$ -	
Energy Charge Annualized	\$0.05727 /kWh	\$ 0.06608 /kWh	941 kWh	53.91	62.20	8.29	
GRSA	0.00%	0.00%		-	-	-	
GRSA-E	\$0.00865	\$0.00000		8.14	-	(8.14)	
Base Rate Amount				\$ 72.55	\$ 72.70	\$ 0.15	0.20%
DSMCA	\$0.00171	\$ 0.00171 /kWh		\$ 1.61	\$ 1.61	\$ -	
PCCA	\$0.00353	\$ 0.00353 /kWh		\$ 3.32	\$ 3.32	\$ -	
CACJA	#####	\$ (0.00007) /kWh		\$ (0.07)	\$ (0.07)	\$ -	
TCA	\$0.00032	\$ 0.00032 /kWh		\$ 0.30	\$ 0.30	\$ -	
ECA - Secondary	\$0.03084	\$ 0.03084 /kWh		\$ 29.03	\$ 29.03	\$ -	
Subtotal Base Rate Adjustments				\$ 34.19	\$ 34.19	\$ -	
Total Bill Subtotal				\$ 106.74	\$ 106.89	\$ 0.15	0.14%
RESA	2.00%	2.00%		\$ 2.13	\$ 2.14	\$ 0.01	
Total Bill				\$ 108.87	\$ 109.03	\$ 0.16	0.15%

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Customer Class	Current Rates	Phase II Rates	Monthly Average Usage	Current Bill	Phase II Bill	Monthly Difference \$	Monthly Difference %
Secondary General - Schedule SG							
Service and Facility Charge	\$ 36.17	\$ 36.80	50.56% L.F.	\$ 36.17	\$ 36.80	\$ 0.63	
Energy Charge	\$0.00461 kWh	\$ 0.00777 kWh	23,565 kWh	108.64	183.10	74.46	
Distribution Demand Charge	\$ 5.63 /kW	\$ 6.06 /kW	65.54 kW	368.98	397.16	28.18	
G & T Demand Charge - Annualized	\$ 11.35 /kW	\$ 11.11 /kW	63.85 kW	724.44	709.10	(15.34)	
GRSA	6.51%	0.00%		80.61	-	(80.61)	
GRSA-E	\$0.00420	\$0.00000		98.97	-	(98.97)	
Base Rate Amount				\$ 1,417.81	\$ 1,326.16	\$ (91.65)	-6.46%
DSMCA	\$ 0.56	\$ 0.56 /kW		\$ 35.75	\$ 35.75	\$ -	
PCCA	\$ 1.21	\$ 1.21 /kW		\$ 77.25	\$ 77.25	\$ -	
CACJA	\$ (0.03)	\$ (0.03) /kW		\$ (1.92)	\$ (1.92)	\$ -	
TCA	\$ 0.11	\$ 0.11 /kW		\$ 7.02	\$ 7.02	\$ -	
ECA - Secondary	\$0.03084	\$ 0.03084 /kWh		\$ 726.75	\$ 726.75	\$ -	
Subtotal Base Rate Adjustments				\$ 844.85	\$ 844.85	\$ -	
Total Bill Subtotal				\$ 2,262.66	\$ 2,171.01	\$ (91.65)	-4.05%
RESA	2.00%	2.00%		\$ 45.25	\$ 43.42	\$ (1.83)	
Total Bill				\$ 2,307.91	\$ 2,214.43	\$ (93.48)	-4.05%
Primary General - Schedule PG							
Service and Facility Charge	\$ 346.29	\$ 366.20	70.52% L.F.	\$ 346.29	\$ 366.20	\$ 19.91	
Energy Charge	\$0.00458 kWh	\$ 0.00765 kWh	501,282 kWh	2,295.87	3,834.81	1,538.94	
Distribution Demand Charge	\$ 3.86 /kW	\$ 4.13 /kW	1,053.83 kW	4,067.79	4,352.33	284.54	
G & T Demand Charge - Annualized (Current 970kW, Phase II 1,000kW)	\$ 11.21 /kW	\$ 11.57 /kW	973.79 kW	10,878.62	11,265.33	386.71	
GRSA	6.51%	0.00%		1,145.02	-	(1,145.02)	
GRSA-E	\$0.00410	\$0.00000		2,055.26	-	(2,055.26)	
Base Rate Amount				\$ 20,788.84	\$ 19,818.67	\$ (970.18)	-4.67%
DSMCA	\$ 0.55	\$ 0.55 /kW		\$ 535.58	\$ 535.58	\$ -	
PCCA	\$ 1.15	\$ 1.15 /kW		\$ 1,119.85	\$ 1,119.85	\$ -	
CACJA	\$ (0.02)	\$ (0.02) /kW		\$ (19.48)	\$ (19.48)	\$ -	
TCA	\$ 0.10	\$ 0.10 /kW		\$ 97.38	\$ 97.38	\$ -	
ECA - Primary On-Peak (1)	\$0.03671	\$ 0.03671 /kWh		\$ 7,464.99	\$ 7,464.99	\$ -	
ECA - Primary Off-Peak (1)	\$0.02567	\$ 0.02567 /kWh		\$ 7,647.92	\$ 7,647.92	\$ -	
Subtotal Base Rate Adjustments				\$ 16,846.24	\$ 16,846.24	\$ -	
Total Bill Subtotal				\$ 37,635.08	\$ 36,664.91	\$ (970.18)	-2.58%
RESA	2.00%	2.00%		\$ 752.70	\$ 733.30	\$ (19.40)	
Total Bill				\$ 38,387.78	\$ 37,398.21	\$ (989.58)	-2.58%

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Customer Class	Current Rates	Phase II Rates	Monthly Average Usage	Current Bill	Phase II Bill	Monthly Difference \$	Monthly Difference %
Transmission General - Schedule TG							
Service and Facility Charge	\$ 11,642	\$ 10,139	68.42% L.F.	\$ 11,642.44	\$ 10,139.23	\$ (1,503.21)	
Energy Charge	\$0.00441 /kWh	\$ 0.00711 /kWh	##### kWh	42,168.10	67,985.31	25,817.21	
G & T Demand Charge - Annualized	\$ 9.63 /kW	\$ 9.14 /kW	##### kW	184,316.59	175,064.70	(9,251.89)	
GRSA	6.51%	0.00%		15,502.08	-	(15,502.08)	
GRSA-E	\$0.00406	\$0.00000		38,821.43	-	(38,821.43)	
Base Rate Amount				#####	#####	\$ (39,261.40)	-13.42%
DSMCA	\$ 0.49	\$ 0.49 /kW		\$ 9,380.51	\$ 9,380.51	\$ -	
PCCA	\$ 1.03	\$ 1.03 /kW		\$ 19,718.22	\$ 19,718.22	\$ -	
CACJA	\$ (0.02)	\$ (0.02) /kW		\$ (382.88)	\$ (382.88)	\$ -	
TCA	\$ 0.09	\$ 0.09 /kW		\$ 1,722.95	\$ 1,722.95	\$ -	
ECA - Transmission On-Peak (1)	\$0.03618	\$ 0.03618 /kWh		#####	#####	\$ -	
ECA - Transmission Off-Peak (1)	\$0.02530	\$ 0.02530 /kWh		#####	#####	\$ -	
Subtotal Base Rate Adjustments				#####	#####	\$ -	
Total Bill Subtotal				#####	#####	\$ (39,261.40)	-6.52%
RESA	2.00%	2.00%		\$ 12,038.72	\$ 11,253.49	\$ (785.23)	
Total Bill				#####	#####	\$ (40,046.63)	-6.52%

2020 ECA	
R	\$0.03084
C	\$0.03084
SG	\$0.03084
PG - On	\$0.03671
PG - Off	\$0.02567
TG - On	\$0.03618
TG - Off	\$0.02530

2020 TCA	
R	\$0.00036
C	\$0.00032
SG	\$0.11
PG	\$0.10
TG	\$0.09

2020 PCCA	
R	\$0.00392
C	\$0.00353
SG	\$1.21
PG	\$1.15
TG	\$1.03

2020 CACJ	
R	-\$0.00008
C	-\$0.00007
SG	-\$0.03
PG	-\$0.02
TG	-\$0.02

2020 I	
R	
C	
SG	
PG	
TG	

DSMCA
\$0.00189
\$0.00171
\$0.56
\$0.55
\$0.49

Current Average Rates

Revised

Residential			
Summer - Tier 1	2,125,005,219	\$0.05461	\$116,046,535
Summer - Tier 2	1,377,385,244	\$0.09902	\$136,388,687
Winter	5,727,279,312	\$0.05461	\$312,766,723
Medical Exemption	3,354,363	<u>\$0.06237</u>	<u>\$209,212</u>
Total kWh	9,233,024,138	\$0.06124	\$565,411,157
Small Commercial			
Energy Charge - Summ	436,285,226	\$0.08512	\$37,136,598
Energy Charge - Winte	825,949,498	<u>\$0.04256</u>	<u>\$35,152,411</u>
Total kWh	1,262,234,724	\$0.05727	\$72,289,009
Secondary General			
G&T Demand - Summe	11,684,697	\$14.02	\$163,819,452
G&T Demand - Winter	20,458,321	<u>\$9.82</u>	<u>\$200,900,712</u>
Total G&T Demand	32,143,018	\$11.35	\$364,720,164
Distribution Demand	Secondary General - Distribution Demand		\$5.63
Total kWh	Secondary General - Usage Charge		\$0.00461
Primary General			
G&T Demand - Summe	2,424,426	\$14.26	\$34,572,315
G&T Demand - Winter	4,441,308	<u>\$9.55</u>	<u>\$42,414,491</u>
Total G&T Demand	6,865,734	\$11.21	\$76,986,806
Distribution Demand	Primary General - Distribution Demand		\$3.86
Total kWh	Primary General - Usage Charge		\$0.00458
Transmission General			
G&T Demand - Summe	1,630,131	\$12.32	20083213.92
G&T Demand - Winter	3,207,994	<u>\$8.26</u>	<u>\$26,498,030</u>
Total	4,838,125	\$9.63	\$46,581,244
Total kWh	Transmission General - Usage Charge		\$0.00441

* Rate Design Volumes

Residential	
Summer	3,502,390,463
Summer - Tier 2	
Winter	5,727,279,312
Medical Exemption	3,354,363
Total kWh	9,233,024,138
Small Commercial	
Energy Charge - Summ	436,285,226
Energy Charge - Winte	825,949,498
Total kWh	1,262,234,724
Secondary General	
G&T Demand - Summe	11,684,697
G&T Demand - Winter	20,458,321
Total G&T Demand	32,143,018
Distribution Demand	Secondary General - Distr
Total kWh	Secondary General - Usa
Primary General	
G&T Demand - Summe	2,432,760
G&T Demand - Winter	4,458,617
Total G&T Demand	6,891,377
Distribution Demand	Primary General - Distribu
Total kWh	Primary General - Usage
Transmission General	
G&T Demand - Summe	1,630,131
G&T Demand - Winter	3,207,994
Total	4,838,125
Total kWh	Transmission General - U

* Rate Design Volumes

I Average Rates

Residential	
\$0.08453	\$296,057,066
	\$0
\$0.07218	\$413,395,021
\$0.07686	\$257,816
\$0.07687	\$709,709,903
26%	
Commercial	
\$0.08948	\$39,038,802
\$0.05372	\$44,370,007
\$0.06608	\$83,408,809
Secondary General	
\$14.90	\$174,101,985
\$8.94	\$182,897,390
\$11.11	\$356,999,375
Distribution Demand Charge	\$6.06 \$0.00777
Primary General	
\$14.70	\$35,761,574
\$9.86	\$43,961,963
\$11.57	\$79,723,537
Distribution Demand Charge	\$4.13 \$0.00765
Transmission General	
\$12.46	\$20,311,432
\$7.46	\$23,931,635
\$9.14	\$44,243,068
Usage Charge	\$0.00711

Volumes

Residential - Usage		
Summer - Tier 1	2,125,005,219	142
Summer - Tier 2	1,377,385,244	92
Winter	5,727,279,312	383
Medical Exemption	3,354,363	0
Total kWh	9,233,024,138	617
Small Commercial - Usage		
Energy Charge - Summer	436,285,226	325
Energy Charge - Winter	825,949,498	616
Total kWh	1,262,234,724	941
Secondary General - G&T Demand		
G&T Demand - Summer	11,684,697	23
G&T Demand - Winter	20,458,321	41
Total G&T Demand	32,143,018	64
Distribution Demand	32,995,058	66
Total kWh	11,863,973,481	23,565
Primary General - G&T Demand		
2-6pm demand	Avg	2-7p
G&T Demand - Summer	2,424,426	343
G&T Demand - Winter	4,441,308	628
Total G&T Demand	6,865,734	970
Distribution Demand	7,457,859	1,054
Total kWh	3,547,522,565	501,282
Transmission General - G&T Demand		
G&T Demand - Summer	1,630,131	6,450
G&T Demand - Winter	3,207,994	12,694
Total	4,838,125	19,144
Total kWh	2,416,529,622	9,561,928

Residential S&F	Residential S&F	Bills
Current	Revised	
\$5.47	\$6.00	14,955,826.46
Small Commercial S&F		
Current	Revised	Bills
\$10.50	\$10.50	1,340,998.86
Secondary General S&F		
Current	Revised	Bills
\$36.17	\$36.80	503,452.78
Primary General S&F		
Current	Revised	Bills
\$346.29	\$366.20	7,076.89
Transmission General S&F		
Current	Revised	Bills
\$11,642	\$10,139	252.72

* Test Year Volumes