

Public Service Company of Colorado
Electric Department
2021 Projected Retail Advanced Grid Rider ("AGR")

<u>Line No.</u>	<u>Project</u>	<u>Cost Allocation Methodology</u>	<u>Total Revenue Requirement</u>	<u>Revenue Requirement Customer Portion</u>	<u>Revenue Requirement Secondary NCP Portion</u>
1				82.9%	17.1%
2	AMI	82.9% Customer, 17.1% Secondary NCP	\$ 30,706,237	\$ 25,455,470.57	\$ 5,250,766.55
3	ADMS	NCP, includes TG customer class	\$ 9,147,902	-	-
4	FAN-CPCN	82.9% Customer, 17.1 Secondary NCP	\$ 311,960	\$ 258,614.60	\$ 53,345
5	FAN-Non-CPCN	NCP, does not include TG customer class	\$ (18,810)	-	-
6	FLISR	NCP, does not include TG customer class	\$ 2,329,008	-	-
7	IVVO	NCP, does not include TG customer class	\$ 6,430,834	-	-
8	APT	NCP, does not include TG customer class	\$ 3,803,959	-	-
9	TOTAL AGR Revenue Requirement		\$ 52,711,089	\$ 25,714,085	\$ 5,304,112
10					
11					
12	Revenue Requirement by Cost Allocation Methodology				
13	Customer	\$	25,714,085		
14	Secondary NCP	\$	5,304,112		
15	NCP including TG Class	\$	9,147,902		
16	NCP does not include TG Class	\$	12,544,990		
17	Total AGR RR by Cost Allocation Methodology	\$	52,711,089		

Public Service Company of Colorado
Electric Department
Retail Class Cost of Rider Revenue Requirement
Projected Retail AGR

Line No.	Rate Class	NCP w/ TG		NCP w/o TG		Secondary NCP		Customer		Total AGIS Revenue Requirement	
		\$	%	\$	%	\$	%	\$	%	\$	%
1	Residential General	3,729,349	41%	5,449,682	43%	3,092,713	58%	16,463,352	64%	28,735,096	55%
2	Residential Demand	12,971	0%	18,954	0%	7,685	0%	41,911	0%	81,521	0%
3	Total Residential	3,742,320		5,468,636		3,100,398		16,505,264		28,816,618	
4											
5	Small Commerical	486,528	5%	710,961	6%	304,533	6%	3,090,418	12%	4,592,440	9%
6											
7	C&I Secondary	3,593,055	39%	5,250,517	42%	1,873,592	35%	4,255,358	17%	14,972,522	28%
8	C&I Primary	709,923	8%	1,037,408	8%	0	0%	1,321,975	5%	3,069,306	6%
9	C&I Transmission	563,063	6%	0	0%	0	0%	541,070	2%	1,104,133	2%
10	Total C&I	4,866,041		6,287,925		1,873,592		6,118,403		19,145,961	
11											
12	Street and Area Lighting	49,508	1%	72,346	1%	23,897	0%	0	0%	145,751	0%
13	Traffic Signal Lighting	3,505	0%	5,122	0%	1,692	0%	0	0%	10,319	0%
14	Total Lighting	53,013		77,468		25,589		0		156,070	
15											
16	Rounding - Functional Allocations									(0)	
17	Rounding - Class Allocations									(0)	
18	CPUC Total	9,147,902	100%	12,544,990	100%	5,304,112	100%	25,714,085	100%	52,711,089	100%

Public Service Company of Colorado
Electric Department
Unit Cost Calculations
2021 Forecast

2021 Forecast

Line No.		Residential General	Small Commercial	Street & Area Lighting	Traffic Signal Lighting
1	Energy Rider Unit Cost Determination				
2					
3	Allocated Rider Revenue Requirement:	\$28,735,096	\$4,592,440	\$145,751	\$10,319
4					
5	Annual Billing Units - Energy	9,509,849,892	1,318,226,022	158,157,066	19,907,515
6					
7	Energy Based Unit Cost:	\$0.00302161	\$0.00348380	\$0.00092156	\$0.00051835
8					
9	Rounded Rider:	\$0.00302	\$0.00348	\$0.00092	\$0.00052
10					
11	<hr/>				
12					
13					
14		Residential Demand		Residential Demand -TDR	
15					
16					
17	Demand Rider Unit Cost Determination				
18					
19	Allocated Rider Revenue Requirement:	\$81,521		\$28,735,096	
20					
21	Annual Billing Units - Demand	142,065	kW-Mo	43,789,362	kW-Mo
22					
23	Demand Based Unit Cost:	\$0.5738	/ kW-Mo	\$0.6562	/ kW-Mo
24					
25	Rounded Rider:	\$0.57	/ kW-Mo	\$0.66	/ kW-Mo
26					
27	<hr/>				
28					
29					
30		Commercial and Industrial			
31		Secondary Delivery	Primary Delivery	Transmission Delivery	
32					
33					
34	Demand Rider Unit Cost Determination				
35					
36	Allocated Rider Revenue Requirement:	\$14,972,522	\$3,069,306	\$1,104,133	
37					
38	Total Annual Equivalent Billing Demand:				
39	Billing Demand - at Load	32,253,621	7,009,612	4,588,269	
40					
41	Demand Based Unit Cost:	\$0.4642	\$0.4379	\$0.2406	
42					
43	Rounded Rider:	\$0.46	\$0.44	\$0.24	/ kW-Mo
44					
45					
46	Production Demand Rider - Low Load Factor Service				
47	Monthly Hours Use Cap	80.00	hours use		
48	Rounded Rider:	\$0.00580	/ kWh		
49					
50	Production Demand Rider - S-EV Service				
51	Monthly Hours Use Cap	109.50	hours use		
52	Rounded Rider:	\$0.00424	/ kWh		
53					
54	Production Reserved Capacity Riders - Standby Service				
55	Reserved Capacity Percentage	12%	12%	12%	
56	Rounded Rider:	\$0.06	\$0.05	\$0.03	/ kW-Mo

Public Service Company of Colorado
Electric Department
Customer Impact Study - AGR

Customer Class	Current Rates	Proposed Rates	Monthly Average Usage	Current Bill	Proposed Bill	Monthly Difference \$	Monthly Difference %
Residential - Schedule R							
Service and Facility Charge	\$ 5.47	\$ 5.47		\$ 5.47	\$ 5.47	\$ -	
Energy Charge Annualized	\$ 0.06124 /kWh	\$ 0.06124 /kWh	617 kWh	\$ 37.81	\$ 37.81	\$ -	
Subtotal				\$ 43.28	\$ 43.28	\$ -	0.00%
GRSA	0.00%	0.00%		-	-	-	
GRSA-E	\$0.00823	\$0.00823		5.08	5.08	-	
Base Rate Amount				\$ 48.36	\$ 48.36	\$ -	0.00%
DSMCA	\$ 0.00189	\$ 0.00189 /kWh		\$ 1.17	\$ 1.17	\$ -	
PCCA	\$ 0.00392	\$ 0.00392 /kWh		\$ 2.42	\$ 2.42	\$ -	
CACJA	\$ (0.00008)	\$ (0.00008) /kWh		\$ (0.05)	\$ (0.05)	\$ -	
AGR	\$ -	\$ 0.00302 /kWh		\$ -	\$ 1.86	\$ 1.86	
TCA	\$ 0.00036	\$ 0.00036 /kWh		\$ 0.22	\$ 0.22	\$ -	
ECA - Secondary	\$ 0.02522	\$ 0.02522 /kWh		\$ 15.57	\$ 15.57	\$ -	
Subtotal Base Rate Adjustments				\$ 19.33	\$ 21.19	\$ 1.86	
Total Bill Subtotal				\$ 67.69	\$ 69.55	\$ 1.86	2.75%
RESA	2.00%	2.00%		\$ 1.35	\$ 1.39	\$ 0.04	
Total Bill				\$ 69.04	\$ 70.94	\$ 1.90	2.76%

Commercial - Schedule C							
Service and Facility Charge	\$ 10.50	\$ 10.50		\$ 10.50	\$ 10.50	\$ -	
Energy Charge Annualized	\$ 0.05727 /kWh	\$ 0.05727 /kWh	941 kWh	\$ 53.91	\$ 53.91	\$ -	
Subtotal				\$ 64.41	\$ 64.41	\$ -	0.00%
GRSA	0.00%	0.00%		-	-	-	
GRSA-E	\$0.00814	\$0.00814		7.66	7.66	-	
Base Rate Amount				\$ 72.07	\$ 72.07	\$ -	0.00%
DSMCA	\$ 0.00171	\$ 0.00171 /kWh		\$ 1.61	\$ 1.61	\$ -	
PCCA	\$ 0.00353	\$ 0.00353 /kWh		\$ 3.32	\$ 3.32	\$ -	
CACJA	\$ (0.00007)	\$ (0.00007) /kWh		\$ (0.07)	\$ (0.07)	\$ -	
AGR	\$ -	\$ 0.00348 /kWh		\$ -	\$ 3.28	\$ 3.28	
TCA	\$ 0.00032	\$ 0.00032 /kWh		\$ 0.30	\$ 0.30	\$ -	
ECA - Secondary	\$ 0.02522	\$ 0.02522 /kWh		\$ 23.74	\$ 23.74	\$ -	
Subtotal Base Rate Adjustments				\$ 28.90	\$ 32.18	\$ 3.28	
Total Bill Subtotal				\$ 100.97	\$ 104.25	\$ 3.28	3.25%
RESA	2.00%	2.00%		\$ 2.02	\$ 2.09	\$ 0.07	
Total Bill				\$ 102.99	\$ 106.34	\$ 3.35	3.25%

Secondary General - Schedule SG

Service and Facility Charge	\$	36.17	\$	36.17	50.56% L.F.	\$	36.17	\$	36.17	\$	-
Energy Charge	\$	0.00461 kWh	\$	0.00461 kWh	23,565 kWh		108.64		108.64		-
Distribution Demand Charge	\$	5.63 /kW	\$	5.63 /kW	65.54 kW		368.98		368.98		-
G & T Demand Charge - Annualized	\$	11.35 /kW	\$	11.35 /kW	63.85 kW		724.44		724.44		-
Subtotal							\$ 1,238.23		\$ 1,238.23		\$ - 0.00%
GRSA		5.76%		5.76%			71.32		71.32		-
GRSA-E		\$0.00420		\$0.00420			98.97		98.97		-
Base Rate Amount							\$ 1,408.52		\$ 1,408.52		\$ - 0.00%
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)		\$ -
AGR	\$	-	\$	0.46 /kW			\$ -		\$ 29.37		\$ 29.37
TCA	\$	0.11	\$	0.11 /kW			\$ 7.02		\$ 7.02		\$ -
ECA - Secondary	\$	0.02522	\$	0.02522 /kWh			\$ 594.31		\$ 594.31		\$ -
Subtotal Base Rate Adjustments							\$ 712.41		\$ 741.78		\$ 29.37
Total Bill Subtotal							\$ 2,120.93		\$ 2,150.30		\$ 29.37 1.38%
RESA		2.00%		2.00%			\$ 42.42		\$ 43.01		\$ 0.59
Total Bill							\$ 2,163.35		\$ 2,193.31		\$ 29.96 1.38%

Primary General - Schedule PG

Service and Facility Charge	\$	346.29	\$	346.29	70.78% L.F.	\$	346.29	\$	346.29	\$	-
Energy Charge	\$	0.00458 kWh	\$	0.00458 kWh	501,282 kWh		2,295.87		2,295.87		-
Distribution Demand Charge	\$	3.86 /kW	\$	3.86 /kW	1,053.83 kW		4,067.79		4,067.79		-
G & T Demand Charge - Annualized	\$	11.21 /kW	\$	11.21 /kW	970.16 kW		10,878.62		10,878.62		-
Subtotal							\$ 17,588.57		\$ 17,588.57		\$ - 0.00%
GRSA		5.76%		5.76%			1,013.10		1,013.10		-
GRSA-E		\$0.00410		\$0.00410			2,055.26		2,055.26		-
Base Rate Amount							\$ 20,656.93		\$ 20,656.93		\$ - 0.00%
DSMCA	\$	0.55	\$	0.55 /kW			\$ 533.59		\$ 533.59		\$ -
PCCA	\$	1.15	\$	1.15 /kW			\$ 1,115.69		\$ 1,115.69		\$ -
CACJA	\$	(0.02)	\$	(0.02) /kW			\$ (19.40)		\$ (19.40)		\$ -
AGR	\$	-	\$	0.44 /kW			\$ -		\$ 426.87		\$ 426.87
TCA	\$	0.10	\$	0.10 /kW			\$ 97.02		\$ 97.02		\$ -
ECA - Primary On-Peak (1)	\$	0.03002	\$	0.03002 /kWh			\$ 6,105.09		\$ 6,105.09		\$ -
ECA - Primary Off-Peak (1)	\$	0.02099	\$	0.02099 /kWh			\$ 6,255.02		\$ 6,255.02		\$ -
Subtotal Base Rate Adjustments							\$ 14,087.01		\$ 14,513.88		\$ 426.87
Total Bill Subtotal							\$ 34,743.94		\$ 35,170.81		\$ 426.87 1.23%
RESA		2.00%		2.00%			\$ 694.88		\$ 703.42		\$ 8.54
Total Bill							\$ 35,438.82		\$ 35,874.23		\$ 435.41 1.23%

Transmission General - Schedule TG

Service and Facility Charge	\$	16,025	\$	16,025	68.42% L.F.	\$	16,025.28	\$	16,025.28	\$	-
Energy Charge	\$	0.00441 /kWh	\$	0.00441 /kWh	9,561,928 kWh		42,168.10		42,168.10		-
G & T Demand Charge - Annualized	\$	9.63 /kW	\$	9.63 /kW	19,143.90 kW		184,316.59		184,316.59		-
Subtotal							\$ 242,509.97		\$ 242,509.97		\$ - 0.00%
GRSA		5.76%		5.76%			13,968.57		13,968.57		-
GRSA-E		\$0.00406		\$0.00406			38,821.43		38,821.43		-
Base Rate Amount							\$ 295,299.97		\$ 295,299.97		\$ - 0.00%

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)	\$	-	
AGR	\$	-	\$	0.24 /kW	\$	-	\$	4,594.54	\$	4,594.54	
TCA	\$	0.09	\$	0.09 /kW	\$	1,722.95	\$	1,722.95	\$	-	
ECA - Transmission On-Peak (1)	\$	0.02959	\$	0.02959 /kWh	\$	100,975.55	\$	100,975.55	\$	-	
ECA - Transmission Off-Peak (1)	\$	0.02069	\$	0.02069 /kWh	\$	127,236.63	\$	127,236.63	\$	-	
Subtotal Base Rate Adjustments					\$	258,650.98	\$	263,245.52	\$	4,594.54	
Total Bill Subtotal					\$	553,950.95	\$	558,545.49	\$	4,594.54	0.83%
RESA		2.00%		2.00%	\$	11,079.02	\$	11,170.91	\$	91.89	
Total Bill					\$	565,029.97	\$	569,716.40	\$	4,686.43	0.83%