

Table 4-1 - Renewable Energy Standard (RES) Forecast Public Service Company of Colorado 2022 Renewable Energy Standard Compliance Plan							
Row	Calendar Year	Retail Sales (MWhs)	RES ¹ (RECs)	RES DG Requirement (RECs Only)	Retail DG Minimum (RECs Only)	Wholesale DG Minimum (RECs Only)	RES Non-DG Recommendation (RECs)
1	2021	29,078,752	8,723,625	872,363	436,181	436,181	7,851,263
2	2022	28,424,513	8,527,354	852,735	426,368	426,368	7,674,619
3	2023	28,410,492	8,523,148	852,315	426,157	426,157	7,670,833
4	2024	28,785,390	8,635,617	863,562	431,781	431,781	7,772,055
5	2025	28,971,990	8,691,597	869,160	434,580	434,580	7,822,437
6	2026	29,362,701	8,808,810	880,881	440,441	440,441	7,927,929
7	2027	29,787,765	8,936,329	893,633	446,816	446,816	8,042,696
8	2028	30,434,125	9,130,238	913,024	456,512	456,512	8,217,214
9	2029	30,768,183	9,230,455	923,045	461,523	461,523	8,307,409
10	2030	31,281,734	9,384,520	938,452	469,226	469,226	8,446,068
11	2031	31,876,834	9,563,050	956,305	478,153	478,153	8,606,745
12	¹ RES Requirements						
13	Year		RES %	DG%	Retail DG%	Wholesale%	Non-DG%
14	2019						
15	2020			3.00%			
16	2021		30%	3.00%	1.50%	1.50%	27.00%
17	2022		30%	3.00%	1.50%	1.50%	27.00%
18	2023		30%	3.00%	1.50%	1.50%	27.00%
19	2024		30%	3.00%	1.50%	1.50%	27.00%
20	2025		30%	3.00%	1.50%	1.50%	27.00%
21	2026		30%	3.00%	1.50%	1.50%	27.00%
22	2027		30%	3.00%	1.50%	1.50%	27.00%
23	2028		30%	3.00%	1.50%	1.50%	27.00%
24	2029		30%	3.00%	1.50%	1.50%	27.00%
25	2030		30%	3.00%	1.50%	1.50%	27.00%
26	2031		30%	3.00%	1.50%	1.50%	27.00%
27	2032		30%	3.00%	1.50%	1.50%	27.00%
28	2033		30%	3.00%	1.50%	1.50%	27.00%
29	2034		30%	3.00%	1.50%	1.50%	27.00%
30	2035		30%	3.00%	1.50%	1.50%	27.00%
31	2036		30%	3.00%	1.50%	1.50%	27.00%
32	2037		30%	3.00%	1.50%	1.50%	27.00%
				Retail Sales × DG%	50%	50%	

Retail Sales Forecast from: Jannell
Marks & Ralph Pacheco [Sales
Energy & Demand Forecast]

Non-DG
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Colorado PUC E-Filings System

Sales (MWh) @Meter							Interdept.	Total Retail	Wholesale	Total Obligation
Year	Month	Residential	Small C&I	Large C&I	Street Light	Public Authority				
2019		9,446,626	12,997,496	6,417,592	184,073	107,569		29,153,356	2,053,059	31,206,415
2020		9,992,279	12,313,669	6,298,197	144,043	96,345		28,844,533	3,449,407	32,293,941
2021		10,098,576	12,493,709	6,240,331	156,404	89,732		29,078,752	2,101,909	31,180,660
2022		9,525,558	12,705,692	5,927,585	153,358	112,320		28,424,513	1,995,101	30,419,614
2023		9,591,735	12,615,078	5,938,536	152,229	112,914		28,410,492	1,919,001	30,329,493
2024		9,768,352	12,716,790	6,033,690	153,645	112,914		28,785,390	1,767,226	30,552,616
2025		9,886,674	12,783,798	6,034,724	153,880	112,914		28,971,990	1,879,232	30,851,222
2026		10,107,881	12,880,105	6,107,706	154,095	112,914		29,362,701	956,943	30,319,644
2027		10,354,100	13,018,401	6,148,058	154,293	112,914		29,787,765	973,825	30,761,589
2028		10,696,176	13,243,002	6,227,617	154,416	112,914		30,434,125	956,762	31,390,887
2029		10,926,117	13,344,190	6,230,874	154,089	112,914		30,768,183	962,749	31,730,931
2030		11,242,689	13,505,420	6,266,471	154,241	112,914		31,281,734	978,753	32,260,488
2031		11,621,481	13,682,125	6,305,934	154,380	112,914		31,876,834	970,773	32,847,607
2032		-	-	-	-	-		-	-	-
2033		-	-	-	-	-		-	-	-
2034		0	(0)	(0)	(0)	0		0	(0)	0
2035		0	0	0	0	0		0	(0)	(0)

Renewable Resources Column Reference	Capacity (MW) (4)	RECs Carried Forward After 2020 RES Compliance	CY RECs Available less Transfers 2021	Bonus Credits Available (1) (2)	Additional Community REC Bonus Available	RECs & Bonus Credits Available for 2021 RES Compliance	The Renewable Energy Standard 2021	Lecacy and/or CY RECs Retired For 2021 RES Compliance (3)	Bonus Credits Retired For 2021 RES Compliance (3)	RECs w/o Bonus Carried Forward After 2021 RES Compliance		
		a	b	c	d	e	f	g	h	i		
Row												
1	Retail DG											
2	Total Retail DG	589	996,893	740,083		c ≤ (b × 25%) 24,774		e = (a + b + c+ d) 1,763,230	436,181	423,096	13,085	i = a + b - g 1,313,880
3												
4	Wholesale DG					c ≤ (b × 25%)		e = (a + b + c+ d)				i = a + b - g
5												
6	Total Utility Solar	85		161,563								
7	Total Biomass	3		16,739								
8	Total Small Hydropower	67		162,284								
9	Total Wholesale DG Wind	55		112,073								
10												
11	Total Wholesale DG		1,675,626	452,659		113,166		2,241,451	436,181	327,135	109,046	1,801,150
12												
13	Non-DG					c ≤ (b × 25%)		e = (a + b + c+ d)				i = a + b - g
14	Total Non-DG Wind	4,071		7,670,170								
15	Total Non-DG Solar	1,282		313,548								
16												
17	Total Non-DG		21,512,656	7,983,719		798,372		30,294,747	7,851,263	7,066,137	785,126	22,430,238
18												
19	Total Non Retail DG Renewable Resources		23,188,282	8,436,378		911,538	0	32,536,198	8,287,444	7,393,272	894,172	24,231,387
20	Total Renewable Resources		24,185,175	9,176,461		936,312	1,480	34,299,428	8,723,625	7,816,368	907,257	25,545,268

Notes:

(1) Includes bonus for Non Retail facilities COD prior to 01/01/2015 (1.25x for all Non-Retail resources in service ≤ 12/31/2014) and bonus for Community Based Solar Garden Projects (1.50x)

(2) Bonus applied to Retail DG based on purchase transactions entered into prior to August 11, 2010

(3) Estimated; final values will be determined in the 2021 RES Compliance Report; Retail DG & Wholesale DG RECs could be retired in excess of RES requirement thereby reducing Non-DG RECs retirement

(4) Retail DG capacity presented in DC; all others in AC

	<u>Renewable Resources</u> Column Reference	<u>Capacity (MW) (4)</u>	<u>RECs Carried Forward After 2021 RES Compliance</u>	<u>CY RECs Available less Transfers 2022</u>	<u>Bonus Credits Available (1) (2)</u>	<u>Additional Community REC Bonus Available</u>	<u>RECs & Bonus Credits Available for 2022 RES Compliance</u>	<u>The Renewable Energy Standard 2022</u>	<u>Lecacy and/or CY RECs Retired For 2022 RES Compliance (3)</u>	<u>Bonus Credits Retired For 2022 RES Compliance (3)</u>	<u>RECs w/o Bonus Carried Forward After 2022 RES Compliance</u>
		a	b	c	d	e	f	g	h	i	
Row											
1	<u>Retail DG</u>				$c \leq (b \times 25\%)$	$e = (a + b + c + d)$					$i = a + b - g$
2	Total Retail DG	669	1,313,880	840,671	24,749	1,681	2,180,981	426,368	413,577	12,791	1,740,975
3											
4	<u>Wholesale DG</u>				$c \leq (b \times 25\%)$	$e = (a + b + c + d)$					$i = a + b - g$
5											
6	Total Utility Solar	85		161,357							
7	Total Biomass	3		16,975							
8	Total Small Hydropower	67		162,209							
9	Total Wholesale DG Wind	55		113,641							
10											
11	Total Wholesale DG		1,801,150	454,183	113,547		2,368,880	426,368	319,775	106,593	1,935,558
12											
13	<u>Non-DG</u>				$c \leq (b \times 25\%)$	$e = (a + b + c + d)$					$i = a + b - g$
14	Total Non-DG Wind	4,071		6,567,596							
15	Total Non-DG Solar	1,282		1,155,644							
16											
17	Total Non-DG		22,430,238	7,723,240	772,324		30,925,801	7,674,619	6,907,157	767,462	23,246,321
18											
19	Total Non Retail DG Renewable Resources		24,231,387	8,177,423	885,871	0	33,294,681	8,100,986	7,226,931	874,055	25,181,879
20	Total Renewable Resources		25,545,268	9,018,094	910,620	1,681	35,475,662	8,527,354	7,640,508	886,846	26,922,853

Notes:

(1) Includes bonus for Non Retail facilities COD prior to 01/01/2015 (1.25x for all Non-Retail resources in service $\leq$ 12/31/2014) and bonus for Community Based Solar Garden Projects (1.50x)

(2) Bonus applied to Retail DG based on purchase transactions entered into prior to August 11, 2010

(3) Estimated; final values will be determined in the 2022 RES Compliance Report; Retail DG & Wholesale DG RECs could be retired in excess of RES requirement thereby reducing Non-DG RECs retirement

(4) Retail DG capacity presented in DC; all others in AC

	<u>Renewable Resources</u> Column Reference	<u>Capacity (MW) (4)</u>	<u>RECs Carried Forward After 2022 RES Compliance</u>	<u>CY RECs Available less Transfers 2023</u>	<u>Bonus Credits Available (1) (2)</u>	<u>Additional Community REC Bonus Available</u>	<u>RECs & Bonus Credits Available for 2023 RES Compliance</u>	<u>The Renewable Energy Standard 2023</u>	<u>Lecacy and/or CY RECs Retired For 2023 RES Compliance (3)</u>	<u>Bonus Credits Retired For 2023 RES Compliance (3)</u>	<u>RECs w/o Bonus Carried Forward After 2023 RES Compliance</u>
		a	b	c	d	e	f	g	h	i	
Row											
1	<u>Retail DG</u>					$c \leq (b \times 25\%)$	$e = (a + b + c + d)$				$i = a + b - g$
2	Total Retail DG	751	1,740,975	942,996	24,724	1,886	2,710,580	426,157	413,372	12,785	2,270,598
3											
4	<u>Wholesale DG</u>					$c \leq (b \times 25\%)$	$e = (a + b + c + d)$				$i = a + b - g$
5											
6	Total Utility Solar	85		162,000							
7	Total Biomass	3		9,821							
8	Total Small Hydropower	67		162,379							
9	Total Wholesale DG Wind	55		58,097							
10											
11	Total Wholesale DG		1,935,558	392,297		98,075	2,425,930	426,157	328,082	98,075	1,999,772
12											
13	<u>Non-DG</u>					$c \leq (b \times 25\%)$	$e = (a + b + c + d)$				$i = a + b - g$
14	Total Non-DG Wind	4,071		6,612,875							
15	Total Non-DG Solar	1,282		3,302,266							
16											
17	Total Non-DG		23,246,321	9,915,140		991,514	34,152,975	7,670,833	6,903,750	767,083	26,257,711
18											
19	Total Non Retail DG Renewable Resources		25,181,879	10,307,437		1,089,589	0	36,578,905	8,096,990	7,231,832	865,158
20	Total Renewable Resources		26,922,853	11,250,433		1,114,313	1,886	39,289,485	8,523,148	7,645,205	877,943

Notes:

(1) Includes bonus for Non Retail facilities COD prior to 01/01/2015 (1.25x for all Non-Retail resources in service $\leq$ 12/31/2014) and bonus for Community Based Solar Garden Projects (1.50x)

(2) Bonus applied to Retail DG based on purchase transactions entered into prior to August 11, 2010

(3) Estimated; final values will be determined in the 2023 RES Compliance Report; Retail DG & Wholesale DG RECs could be retired in excess of RES requirement thereby reducing Non-DG RECs retirement

(4) Retail DG capacity presented in DC; all others in AC

	<u>Renewable Resources</u> Column Reference	<u>Capacity (MW) (4)</u> a	<u>RECs Carried Forward After 2023 RES Compliance</u> b	<u>CY RECs Available less Transfers 2024</u> c	<u>Bonus Credits Available (1) (2)</u> d	<u>Additional Community REC Bonus Available</u> e	<u>RECs & Bonus Credits Available for 2024 RES Compliance</u> f	<u>The Renewable Energy Standard 2024</u> g	<u>Lecacy and/or CY RECs Retired For 2024 RES Compliance (3)</u> h	<u>Bonus Credits Retired For 2024 RES Compliance (3)</u> i	<u>RECs w/o Bonus Carried Forward After 2024 RES Compliance</u> j
Row											
1	Retail DG				$c \leq (b \times 25\%)$		$e = (a + b + c + d)$				$i = a + b - g$
2	Total Retail DG	751	2,270,598	1,030,198	24,699	2,060	3,327,555	431,781	418,828	12,953	2,881,968
3											
4	Wholesale DG				$c \leq (b \times 25\%)$		$e = (a + b + c + d)$				$i = a + b - g$
5											
6	Total Utility Solar	85		160,302							
7	Total Biomass	3		0							
8	Total Small Hydropower	67		162,165							
9	Total Wholesale DG Wind	55		57,994							
10											
11	Total Wholesale DG		1,999,772	380,461	95,116		2,475,350	431,781	336,665	95,116	2,043,569
12											
13	Non-DG				$c \leq (b \times 25\%)$		$e = (a + b + c + d)$				$i = a + b - g$
14	Total Non-DG Wind	4,071		6,936,077							
15	Total Non-DG Solar	1,282		3,215,836							
16											
17	Total Non-DG		26,257,711	10,151,913	1,015,191		37,424,815	7,772,055	6,994,849	777,206	29,414,775
18											
19	Total Non Retail DG Renewable Resources		28,257,483	10,532,375	1,110,307	0	39,900,165	8,203,836	7,331,514	872,322	31,458,344
20	Total Renewable Resources		30,528,081	11,562,573	1,135,006	2,060	43,227,720	8,635,617	7,750,342	885,275	34,340,312

Notes:

(1) Includes bonus for Non Retail facilities COD prior to 01/01/2015 (1.25x for all Non-Retail resources in service $\leq$ 12/31/2014) and bonus for Community Based Solar Garden Projects (1.50x)

(2) Bonus applied to Retail DG based on purchase transactions entered into prior to August 11, 2010

(3) Estimated; final values will be determined in the 2024 RES Compliance Report; Retail DG & Wholesale DG RECs could be retired in excess of RES requirement thereby reducing Non-DG RECs retirement

(4) Retail DG capacity presented in DC; all others in AC

Renewable Resources	Capacity (MW) (4)	RECs Carried Forward After 2024 RES Compliance	CY RECs Available less Transfers 2025	Bonus Credits Available (1) (2)	Additional Community REC Bonus Available	RECs & Bonus Credits Available for 2025 RES Compliance	The Renewable Energy Standard 2025	Lecacy and/or CY RECs Retired For 2025 RES Compliance (3)	Bonus Credits Retired For 2025 RES Compliance (3)	RECs w/o Bonus Carried Forward After 2025 RES Compliance
Column Reference		a	b	c	d	e	f	g	h	i
Row										
1	Retail DG			$c \leq (b \times 25\%)$		$e = (a + b + c + d)$				$i = a + b - g$
2	Total Retail DG	751	2,881,968	1,091,159	24,674	2,182	3,999,984	434,580	421,543	13,037
3										
4	Wholesale DG			$c \leq (b \times 25\%)$		$e = (a + b + c + d)$				$i = a + b - g$
5										
6	Total Utility Solar	85		155,728						
7	Total Biomass	3		0						
8	Total Small Hydropower	67		158,153						
9	Total Wholesale DG Wind	55		58,180						
10										
11	Total Wholesale DG		2,043,569	372,061	93,016		2,508,645	434,580	341,564	93,016
12										
13	Non-DG			$c \leq (b \times 25\%)$		$e = (a + b + c + d)$				$i = a + b - g$
14	Total Non-DG Wind	4,071		6,735,784						
15	Total Non-DG Solar	1,282		3,011,845						
16										
17	Total Non-DG		29,414,775	9,747,629	974,763		40,137,167	7,822,437	7,040,193	782,244
18										
19	Total Non Retail DG Renewable Resources		31,458,344	10,119,690	1,067,779	0	42,645,813	8,257,017	7,381,757	875,260
20	Total Renewable Resources		34,340,312	11,210,849	1,092,453	2,182	46,645,796	8,691,597	7,803,300	888,297

Table 4-3 - Renewable Energy Credits Acquired/Transferred
Public Service Company of Colorado
2021 Renewable Energy Standard Compliance Plan

		Capacity	RECs Acquired	City of Boulder	Wholesale REC	RECs Retired	RECs Retired	RECs Retired	RECs	Total Recycled
Renewable Resources		(MW) (1)	2021	Transfers	Allocation	for Windsource	for Renewable*	for CRP	Sold	Energy & RECs
Column Reference		a	b	2021	2021 (2)	2021 (3)	Connect	2021	2021 (4)	Available
				c	d	e1	e2	e3	f	2021
										g
Row										
1	Retail DG									g = (b - c - d - e - f)
2	Small Net Metered	196.57	172,191							
3	Small Third Party Developer	124.99	153,288							
4	Medium	142.99	162,836							
5	RFP Large* (RecTracker)	6.51	23,395							
6	RFP Large* (WREGIS COSR facilities)	11.70	42,021							
7	REC Only	0.00	0							
8	SR Community (RecTracker)	27.07	47,426							
9	SR Community (WREGIS)	79.30	138,927							
10										
11										
12	Total Retail DG	589.12	740,083	0	0	0	0	0	0	740,083
13										
14	Wholesale DG									
15										
16	Wholesale DG Solar									g = (b - c - d - e - f)
17	Power Purchase w/RECs:									
18	SunE Alamosa	6.20	14,755		1,231			1,352		
19	Cogentrix	30.00	59,053		4,925			5,413		
20	SanLuis Solar	30.00	75,581		6,304			6,928		
21	Greater Sandhill	19.00	46,460		3,875			4,258		
22	SolarTAC	0.25	0		0			0		
23										
24										
25	Total Wholesale DG Solar	85.45	195,849	0	16,335	0	0	17,951	0	161,563
26										
27	Wholesale DG Biomass									g = (b - c - d - e - f)
28	Power Purchase w/RECs:									
29										
30	Waste Management	3.28	20,291		1,692			1,860		
31	Total Wholesale DG Biomass	3.28	20,291	0	1,692	0	0	1,860	0	16,739
32										
33	Wholesale DG Small Hydropower									g = (b - c - d - e - f)
34	Company-Owned Generation:									
35	Ames	2.80	6,998		584			641		
36	Georgetown	1.44	4,430		369			406		
37	Salida	0.65	1,712		143			157		
38	Shoshone	14.40	84,969		7,086			7,788		
39	Tacoma	8.00	9,487		791			870		
40	Power Purchase w/RECs:									
41	Betasso/SL/Lakewood	7.50	8,719					872		
42	SilverLake	3.30	8,719	1,318						
43	Dillon Dam	1.90	9,327	1,410						
44	Foothills	2.30	5,332					533		
45	Roberts Tunnel	6.10	11,580	1,751						
46	Strontia Springs	1.20	6,246	944						
47	Hillcrest	2.30	5,745	868						
48	Gross Reservoir	8.10	16,061	2,428						
49	Redlands	1.40	7,592					759		
50	Grand Valley/Orchard Mesa	3.00	0					0		
51	Mt. Elbert	2.50	4,251					425		
52	UTE	0.23	1,400					140		
53										
54	Total Wholesale DG Small Hydropower	67.12	192,567	8,719	8,973	0	0	12,591	0	162,284
55										
56	Wholesale DG Wind									g = (b - c - d - e - f)
57	Company Owned Generation									
58	Ponnequin II-VI									
59	Power Purchase w/RECs:									
60	Ridgecrest	29.70	66,464		5,543			6,092		
61	Northern Colorado Wind II	22.50	69,392		5,787			6,361		
62	NREL Siemens	2.30	0		0			0		
63										
64	Total Wholesale DG Wind	54.50	135,856	0	11,330	0	0	12,453	0	112,073
65										
66	Total Wholesale DG	210.35	544,563	8,719	38,330	0	0	44,855	0	452,659
67										
68	Non-DG									
69										
70	Non-DG Wind									g = (b - c - d - e - f)
71	Company Owned Generation									
72	Rush Creek	600.00	1,944,151			212,862		1,944,151		
73	Cheyenne Ridge	499.00	1,972,118					1,849,592		
74	Power Purchase w/RECs:									
75	Colorado Green	162.00	512,710						512,710	
76	Spring Canyon	60.00	174,142						174,142	
77	Cedar Creek	300.50	783,042						163,147	
78	Twin Buttes	75.00	191,901						0	
79	Logan	201.00	537,829						0	
80	Peetz Table	199.50	620,052						0	
81	Northern Colorado Wind I	151.80	473,255						0	
82	Limon I	200.00	723,527		178,694					
83	Cedar Creek II	250.80	683,873		168,900					
84	Cedar Point	252.00	813,668		200,957					
85	Limon II	200.00	610,872		150,871					
86	Limon III	200.60	794,249		196,161					
87	Multiband Golden West	249.90	828,905					0		
88	Mountain Breeze	169.00	634,856					0		
89	Broncos Plains	300.00	1,123,206							
90										
91	Total Non-DG Wind	4,071.10	13,422,358	0	895,583	212,862	0	3,793,743	850,000	7,670,170
92										
93	Non-DG Solar									g = (b - c - d - e - f)
94	Comanche Solar	120.00	293,562		72,503					
95	Solar Star III	50.00	122,691		30,302					
96	Hartsel Solar	72.00	0							

Table 4-3 - Renewable Energy Credits Acquired/Transferred
Public Service Company of Colorado
2021 Renewable Energy Standard Compliance Plan

		City of Boulder	Wholesale REC	RECs Retired	RECs Retired for Renewable*	RECs Retired	RECs	Total Recycled Energy & RECs	
<u>Renewable Resources</u>	<u>Capacity (MW) (1)</u>	<u>RECs Acquired 2021</u>	<u>Transfers 2021</u>	<u>Allocation 2021 (2)</u>	<u>for Windsource 2021 (3)</u>	<u>Connect 2021</u>	<u>for CRP 2021</u>	<u>Sold 2021 (4)</u>	<u>Available 2021</u>
Column Reference	a	b	c	d	e1	e2	e3	f	g
Row									
97	Neptune Solar	250.00	0						
98	Bighorn Solar	240.00	100						
99	Thunder Wolf	200.00	0						
100	Midway	100.00	0						
101	Sun Mountain Solar	200.00	0						
102	Titan Solar	50.00	118,384			118,384			
103	Total Non-DG Solar	1,282.00	534,737	0	102,805	0	118,384	0	313,548
104									
105	Total Non-DG	5,353.10	13,957,095	0	998,388	212,862	118,384	3,793,743	850,000
106									
107									
108	Total Non Retail DG Renewables (WDG + NDG)		14,501,658	8,719	1,036,718	212,862	118,384	3,838,598	850,000
109	Total Renewable Resources		15,241,742	8,719	1,036,718	212,862	118,384	3,838,598	850,000
110									

Notes:

(1) Retail DG capacity presented in DC; all others in AC

(2) Wholesale RECs transferred based on projected production and forecast wholesale load ratio share. Actual RECs transferred will be presented in the 2021 RES Report.

(3) Windsource retirement method will use proportional allocation of Wholesale DG and Non-DG plus third-party verified generation. REC vintages from the last half of the prior year could be used for the Standard Windsource retirement, per Green-e Standards. Actual RECs retired will be presented in the 2021 RES Report.

(4) Currently executed REC sales. Actual REC sales will be sourced from multiple wind generators, but generation from specific generators is unknown at the time of this filing.

Table 4-3 - Renewable Energy Credits Acquired/Transferred
Public Service Company of Colorado
2022 Renewable Energy Standard Compliance Plan

		City of Boulder	Wholesale REC	RECs Retired for Windsource	RECs Retired for Renewable*	RECs Retired for CRP	RECs	Total Recycled Energy & RECs
Renewable Resources		Transfers	Allocation					Available
Column Reference		2022	2022 (2)	2022 (3)	2022	2022	2022 (4)	2022
		a	b	c	e1	e2	e3	f
		Capacity (MW) (1)	RECs Acquired 2022	2022				
								g
Row								
1	Retail DG							g = (b - c - d - e - f)
2	Small Net Metered	223.28	195,595					
3	Small Third Party Developer	141.98	174,122					
4	Medium	162.42	184,967					
5	RFP Large* (RecTracker)	7.40	26,574					
6	RFP Large* (WREGIS COSR facilities)	13.29	47,732					
7	REC Only	0.00	0					
8	SR Community (RecTracker)	30.75	53,871					
9	SR Community (WREGIS)	90.07	157,810					
10								
11								
12	Total Retail DG	669.19	840,671	0	0	0	0	840,671
13								
14	Wholesale DG							
15								
16	Wholesale DG Solar							g = (b - c - d - e - f)
17	Power Purchase w/RECs:							
18	SunE Alamosa	6.20	14,664		1,034		1,363	
19	Cogentrix	30.00	57,919		4,083		5,384	
20	SanLuis Solar	30.00	74,124		5,225		6,890	
21	Greater Sandhill	19.00	46,177		3,255		4,292	
22	SolarTAC	0.25	0		0		0	
23								
24								
25	Total Wholesale DG Solar	85.45	192,883	0	13,597	0	17,929	161,357
26								
27	Wholesale DG Biomass							g = (b - c - d - e - f)
28	Power Purchase w/RECs:							
29								
30	Waste Management	3.28	20,291		1,430		1,886	
31	Total Wholesale DG Biomass	3.28	20,291	0	1,430	0	1,886	16,975
32								
33	Wholesale DG Small Hydropower							g = (b - c - d - e - f)
34	Company-Owned Generation:							
35	Ames	2.80	6,994		493		650	
36	Georgetown	1.44	4,430		312		412	
37	Salida	0.65	1,712		121		159	
38	Shoshone	14.40	84,906		5,985		7,892	
39	Tacoma	8.00	9,480		668		881	
40	Power Purchase w/RECs:							
41	Betasso/SL/Lakewood	7.50	8,719				872	
42	SilverLake	3.30	8,719	1,318				
43	Dillon Dam	1.90	9,327	1,410				
44	Foothills	2.30	5,332				533	
45	Roberts Tunnel	6.10	11,580	1,751				
46	Strontia Springs	1.20	6,246	944				
47	Hillcrest	2.30	5,745	868				
48	Gross Reservoir	8.10	16,061	2,428				
49	Redlands	1.40	7,588				759	
50	Grand Valley/Orchard Mesa	3.00	0				0	
51	Mt. Elbert	2.50	4,251				425	
52	UTE	0.23	0				0	
53								
54	Total Wholesale DG Small Hydropower	67.12	191,090	8,719	7,579	0	12,583	162,209
55								
56	Wholesale DG Wind							g = (b - c - d - e - f)
57	Company Owned Generation							
58	Ponnequin II-VI							
59	Power Purchase w/RECs:							
60	Ridgecrest	29.70	66,451		4,684		6,177	
61	Northern Colorado Wind II	22.50	69,392		4,891		6,450	
62	NREL Siemens	2.30	0		0		0	
63								
64	Total Wholesale DG Wind	54.50	135,843	0	9,575	0	12,627	113,641
65								
66	Total Wholesale DG	210.35	540,108	8,719	32,181	0	45,025	454,183
67								
68	Non-DG							
69								
70	Non-DG Wind							g = (b - c - d - e - f)
71	Company Owned Generation							
72	Rush Creek	600.00	1,895,101		216,532		1,895,101	
73	Cheyenne Ridge	499.00	1,929,284				1,929,284	
74	Power Purchase w/RECs:							
75	Colorado Green	162.00	503,542					503,542
76	Spring Canyon	60.00	174,115					174,115
77	Cedar Creek	300.50	783,154					172,343
78	Twin Buttes	75.00	190,002					0
79	Logan	201.00	537,715					0
80	Peetz Table	199.50	620,052					0
81	Northern Colorado Wind I	151.80	473,255					0
82	Limon I	200.00	723,527		159,164			
83	Cedar Creek II	250.80	683,873		150,441			
84	Cedar Point	252.00	813,406		178,936			
85	Limon II	200.00	610,872		134,382			
86	Limon III	200.60	794,249		174,722			
87	Multiband Golden West	249.90	828,905				828,905	
88	Mountain Breeze	169.00	634,856				208,088	
89	Broncos Plains	300.00	1,097,243					
90								
91	Total Non-DG Wind	4,071.10	13,293,151	0	797,645	216,532	4,861,378	6,567,596
92								
93	Non-DG Solar							g = (b - c - d - e - f)
94	Comanche Solar	120.00	288,013		63,358			
95	Solar Star III	50.00	120,388		26,483			
96	Hartsel Solar	72.00	0					

Table 4-3 - Renewable Energy Credits Acquired/Transferred
Public Service Company of Colorado
2022 Renewable Energy Standard Compliance Plan

		City of Boulder	Wholesale REC	RECs Retired	RECs Retired for Renewable*	RECs Retired	RECs	Total Recycled Energy & RECs	
Renewable Resources	Capacity (MW) (1)	RECs Acquired 2022	Transfers 2022	Allocation 2022 (2)	for Windsource 2022 (3)	Connect 2022	for CRP 2022	Sold 2022 (4)	Available 2022
Column Reference	a	b	c	d	e1	e2	e3	f	g
Row									
97	Neptune Solar	250.00	51,434						
98	Bighorn Solar	240.00	593,614						
99	Thunder Wolf	200.00	38,539						
100	Midway	100.00	52,387						
101	Sun Mountain Solar	200.00	101,110						
102	Titan Solar	50.00	116,189			116,189			
103	Total Non-DG Solar	1,282.00	1,361,674	0	89,841	0	116,189	0	1,155,644
104									
105	Total Non-DG	5,353.10	14,654,824	0	887,486	216,532	116,189	4,861,378	850,000
106									
107									
108	Total Non Retail DG Renewables (WDG + NDG)		15,194,933	8,719	919,667	216,532	116,189	4,906,403	850,000
109	Total Renewable Resources		16,035,604	8,719	919,667	216,532	116,189	4,906,403	850,000
110									

Notes:

(1) Retail DG capacity presented in DC; all others in AC

(2) Wholesale RECs transferred based on projected production and forecast wholesale load ratio share. Actual RECs transferred will be presented in the 2022 RES Report.

(3) Windsource retirement method will use proportional allocation of Wholesale DG and Non-DG plus third-party verified generation. REC vintages from the last half of the prior year could be used for the Standard Windsource retirement, per Green-e Standards. Actual RECs retired will be presented in the 2022 RES Report.

(4) Currently executed REC sales. Actual REC sales will be sourced from multiple wind generators, but generation from specific generators is unknown at the time of this filing.

Table 4-3 - Renewable Energy Credits Acquired/Transferred Public Service Company of Colorado 2023 Renewable Energy Standard Compliance Plan										
			City of Boulder	Wholesale REC	RECs Retired	RECs Retired for Renewable*	RECs Retired	RECs	Total Recycled Energy & RECs	
Renewable Resources	Capacity (MW) (1)	RECs Acquired 2023	Transfers 2023	Allocation 2023 (2)	for Windsource 2023 (3)	Connect 2023	for CRP 2023	Sold 2023 (4)	Available 2023	
Column Reference	a	b	c	d	e1	e2	e3	f	g	
Row										
1	Retail DG								g = (b - c - d - e - f)	
2	Small Net Metered	250.46	219,402							
3	Small Third Party Developer	159.26	195,316							
4	Medium	182.19	207,481							
5	RFP Large* (RecTracker)	8.30	29,809							
6	RFP Large* (WREGIS COSR facilities)	14.91	53,542							
7	REC Only	0.00	0							
8	SR Community (RecTracker)	34.49	60,428							
9	SR Community (WREGIS)	101.04	177,017							
10										
11										
12	Total Retail DG	750.65	942,996	0	0	0	0	0	942,996	
13										
14	Wholesale DG									
15										
16	Wholesale DG Solar								g = (b - c - d - e - f)	
17	Power Purchase w/RECs:									
18	SunE Alamosa	6.20	14,606		1,019		1,359			
19	Cogentrix	30.00	58,284		4,065		5,422			
20	SanLuis Solar	30.00	74,615		5,204		6,941			
21	Greater Sandhill	19.00	45,990		3,208		4,278			
22	SolarTAC	0.25	0		0		0			
23										
24										
25	Total Wholesale DG Solar	85.45	193,496	0	13,496	0	18,000	0	162,000	
26										
27	Wholesale DG Biomass								g = (b - c - d - e - f)	
28	Power Purchase w/RECs:									
29										
30	Waste Management	3.28	11,730		818		1,091			
31	Total Wholesale DG Biomass	3.28	11,730	0	818	0	1,091	0	9,821	
32										
33	Wholesale DG Small Hydropower								g = (b - c - d - e - f)	
34	Company-Owned Generation:									
35	Ames	2.80	7,000		488		651			
36	Georgetown	1.44	4,430		309		412			
37	Salida	0.65	1,712		119		159			
38	Shoshone	14.40	85,000		5,929		7,907			
39	Tacoma	8.00	9,491		662		883			
40	Power Purchase w/RECs:									
41	Betasso/SL/Lakewood	7.50	8,719				872			
42	SilverLake	3.30	8,719	1,318						
43	Dillon Dam	1.90	9,327	1,410						
44	Foothills	2.30	5,332				533			
45	Roberts Tunnel	6.10	11,580	1,751						
46	Strontia Springs	1.20	6,246	944						
47	Hillcrest	2.30	5,745	868						
48	Gross Reservoir	8.10	16,061	2,428						
49	Redlands	1.40	7,593				759			
50	Grand Valley/Orchard Mesa	3.00	0				0			
51	Mt. Elbert	2.50	4,251				425			
52	UTE	0.23	0				0			
53										
54	Total Wholesale DG Small Hydropower	67.12	191,206	8,719	7,507	0	12,601	0	162,379	
55										
56	Wholesale DG Wind								g = (b - c - d - e - f)	
57	Company Owned Generation									
58	Ponnequin II-VI									
59	Power Purchase w/RECs:									
60	Ridgecrest	29.70	0		0		0			
61	Northern Colorado Wind II	22.50	69,392		4,840		6,455			
62	NREL Siemens	2.30	0		0		0			
63										
64	Total Wholesale DG Wind	54.50	69,392	0	4,840	0	6,455	0	58,097	
65										
66	Total Wholesale DG	210.35	465,824	8,719	26,661	0	38,147	0	392,297	
67										
68	Non-DG									
69										
70	Non-DG Wind								g = (b - c - d - e - f)	
71	Company Owned Generation									
72	Rush Creek	600.00	1,952,830			220,270	1,952,830			
73	Cheyenne Ridge	499.00	1,975,060				1,975,060			
74	Power Purchase w/RECs:									
75	Colorado Green	162.00	527,338					350,000		
76	Spring Canyon	60.00	174,560					0		
77	Cedar Creek	300.50	785,092					0		
78	Twin Buttes	75.00	200,049					0		
79	Logan	201.00	539,069					0		
80	Peetz Table	199.50	620,052					0		
81	Northern Colorado Wind I	151.80	473,255					0		
82	Limon I	200.00	723,527		177,463					
83	Cedar Creek II	250.80	683,873		167,737					
84	Cedar Point	252.00	815,437		200,007					
85	Limon II	200.00	610,872		149,832					
86	Limon III	200.60	794,249		194,810					
87	Multiband Golden West	249.90	828,905				828,905			
88	Mountain Breeze	169.00	634,856				634,856			
89	Broncos Plains	300.00	1,125,622							
90										
91	Total Non-DG Wind	4,071.10	13,464,646	0	889,849	220,270	5,391,652	350,000	6,612,875	
92										
93	Non-DG Solar								g = (b - c - d - e - f)	
94	Comanche Solar	120.00	289,781		71,076					
95	Solar Star III	50.00	121,195		29,726					
96	Hartsel Solar	72.00	172,191							

Table 4-3 - Renewable Energy Credits Acquired/Transferred
Public Service Company of Colorado
2023 Renewable Energy Standard Compliance Plan

		City of Boulder	Wholesale REC	RECs Retired	RECs Retired for Renewable*	RECs Retired	RECs	Total Recycled Energy & RECs	
<u>Renewable Resources</u>	Capacity (MW) (1)	RECs Acquired 2023	Transfers 2023	Allocation 2023 (2)	for Windsource 2023 (3)	Connect 2023	for CRP 2023	Sold 2023 (4)	Available 2023
Column Reference	a	b	c	d	e1	e2	e3	f	g
Neptune Solar	250.00	769,593							
Bighorn Solar	240.00	597,257							
Thunder Wolf	200.00	594,381							
Midway	100.00	294,676							
Sun Mountain Solar	200.00	563,994							
Titan Solar	50.00	116,920				116,920			
Total Non-DG Solar	1,282.00	3,519,988	0	100,802	0	116,920	0	0	3,302,266
Total Non-DG	5,353.10	16,984,634	0	990,651	220,270	116,920	5,391,652	350,000	9,915,140
Total Non Retail DG Renewables (WDG + NDG)		17,450,458	8,719	1,017,312	220,270	116,920	5,429,799	350,000	10,307,437
Total Renewable Resources		18,393,453	8,719	1,017,312	220,270	116,920	5,429,799	350,000	11,250,433

Notes:	
(1)	Retail DG capacity presented in DC; all others in AC
(2)	Wholesale RECs transferred based on projected production and forecast wholesale load ratio share. Actual RECs transferred will be presented in the 2023 RES Report.
(3)	Windsourse retirement method will use proportional allocation of Wholesale DG and Non-DG plus third-party verified generation.
	REC vintages from the last half of the prior year could be used for the Standard Windsourse retirement, per Green-e Standards. Actual RECs retired will be presented in the 2023 RES Report.
(4)	Currently executed REC sales. Actual REC sales will be sourced from multiple wind generators, but generation from specific generators is unknown at the time of this filing.

Table 4-3 - Renewable Energy Credits Acquired/Transferred
Public Service Company of Colorado
2024 Renewable Energy Standard Compliance Plan

		City of Boulder	Wholesale REC	RECs Retired	RECs Retired for Renewable*	RECs Retired	RECs	Total Recycled Energy & RECs		
Renewable Resources		Capacity (MW) (1)	RECs Acquired 2024	Transfers 2024	Allocation 2024 (2)	for Windsource 2024 (3)	Connect 2024	for CRP 2024	Sold 2024 (4)	Available 2024
Column Reference		a	b	c	d	e1	e2	e3	f	g
Row										
1	Retail DG									g = (b - c - d - e - f)
2	Small Net Metered	273.62	239,691							
3	Small Third Party Developer	173.99	213,377							
4	Medium	199.04	226,668							
5	RFP Large* (RecTracker)	9.07	32,566							
6	RFP Large* (WREGIS COSR facilities)	16.29	58,493							
7	REC Only	0.00	0							
8	SR Community (RecTracker)	37.68	66,017							
9	SR Community (WREGIS)	110.38	193,386							
10										
11										
12	Total Retail DG	820.06	1,030,198	0	0	0	0	0	0	1,030,198
13										
14	Wholesale DG									
15										
16	Wholesale DG Solar									g = (b - c - d - e - f)
17	Power Purchase w/RECs:									
18	SunE Alamosa	6.20	14,576		1,092			1,348		
19	Cogentrix	30.00	57,833		4,333			5,350		
20	SanLuis Solar	30.00	74,225		5,561			6,866		
21	Greater Sandhill	19.00	45,903		3,439			4,246		
22	SolarTAC	0.25	0		0			0		
23										
24										
25	Total Wholesale DG Solar	85.45	192,537	0	14,425	0	0	17,810	0	160,302
26										
27	Wholesale DG Biomass									g = (b - c - d - e - f)
28	Power Purchase w/RECs:									
29										
30	Waste Management	3.28	0		0			0		
31	Total Wholesale DG Biomass	3.28	0	0	0	0	0	0	0	0
32										
33	Wholesale DG Small Hydropower									g = (b - c - d - e - f)
34	Company-Owned Generation:									
35	Ames	2.80	7,014		526			649		
36	Georgetown	1.44	4,433		332			410		
37	Salida	0.65	1,714		128			159		
38	Shoshone	14.40	85,167		6,380			7,879		
39	Tacoma	8.00	9,517		713			880		
40	Power Purchase w/RECs:									
41	Betasso/SL/Lakewood	7.50	8,738					874		
42	SilverLake	3.30	8,741	1,322						
43	Dillon Dam	1.90	9,337	1,413						
44	Foothills	2.30	5,333					533		
45	Roberts Tunnel	6.10	11,580	1,752						
46	Strontia Springs	1.20	6,251	946						
47	Hillcrest	2.30	5,748	870						
48	Gross Reservoir	8.10	16,106	2,437						
49	Redlands	1.40	7,625					763		
50	Grand Valley/Orchard Mesa	3.00	0					0		
51	Mt. Elbert	2.50	4,251					425		
52	UTE	0.23	0					0		
53										
54	Total Wholesale DG Small Hydropower	67.12	191,556	8,740	8,079	0	0	12,572	0	162,165
55										
56	Wholesale DG Wind									g = (b - c - d - e - f)
57	Company Owned Generation									
58	Ponnequin II-VI									
59	Power Purchase w/RECs:									
60	Ridgecrest	29.70	0		0			0		
61	Northern Colorado Wind II	22.50	69,656		5,218			6,444		
62	NREL Siemens	2.30	0		0			0		
63										
64	Total Wholesale DG Wind	54.50	69,656	0	5,218	0	0	6,444	0	57,994
65										
66	Total Wholesale DG	210.35	453,749	8,740	27,722	0	0	36,826	0	380,461
67										
68	Non-DG									
69										
70	Non-DG Wind									g = (b - c - d - e - f)
71	Company Owned Generation									
72	Rush Creek	600.00	1,986,946			224,078		1,986,946		
73	Cheyenne Ridge	499.00	2,003,839					2,003,839		
74	Power Purchase w/RECs:									
75	Colorado Green	162.00	528,399						0	
76	Spring Canyon	60.00	175,283						0	
77	Cedar Creek	300.50	788,299						0	
78	Twin Buttes	75.00	200,290						0	
79	Logan	201.00	541,303						0	
80	Peetz Table	199.50	622,585						0	
81	Northern Colorado Wind I	151.80	475,175						0	
82	Limon I	200.00	724,911		189,808					
83	Cedar Creek II	250.80	686,771		179,821					
84	Cedar Point	252.00	818,044		214,193					
85	Limon II	200.00	612,417		160,353					
86	Limon III	200.60	796,194		208,472					
87	Multiband Golden West	249.90	831,704					831,704		
88	Mountain Breeze	169.00	637,032					637,032		
89	Broncos Plains	300.00	1,143,131							
90										
91	Total Non-DG Wind	4,071.10	13,572,324	0	952,647	224,078	0	5,459,522	0	6,936,077
92										
93	Non-DG Solar									g = (b - c - d - e - f)
94	Comanche Solar	120.00	288,675		75,586					
95	Solar Star III	50.00	120,446		31,537					
96	Hartsel Solar	72.00	171,318							

Table 4-3 - Renewable Energy Credits Acquired/Transferred
Public Service Company of Colorado
2024 Renewable Energy Standard Compliance Plan

									Total Recycled Energy & RECs
	Capacity (MW) (1)	RECs Acquired 2024	City of Boulder Transfers 2024	Wholesale REC Allocation 2024 (2)	RECs Retired for Windsource 2024 (3)	RECs Retired for Renewable* Connect 2024	RECs Retired for CRP 2024	RECs Sold 2024 (4)	Available 2024
Renewable Resources	(MW) (1)	2024	2024	2024 (2)	2024 (3)	2024	2024	2024 (4)	2024
Column Reference	a	b	c	d	e1	e2	e3	f	g
Neptune Solar	250.00	731,405							
Bighorn Solar	240.00	594,978							
Thunder Wolf	200.00	559,636							
Midway	100.00	295,671							
Sun Mountain Solar	200.00	560,829							
Titan Solar	50.00	116,540				116,540			
Total Non-DG Solar	1,282.00	3,439,499	0	107,123	0	116,540	0	0	3,215,836
Total Non-DG	5,353.10	17,011,822	0	1,059,770	224,078	116,540	5,459,522	0	10,151,913
Total Non Retail DG Renewables (WDG + NDG)		17,465,572	8,740	1,087,492	224,078	116,540	5,496,348	0	10,532,375
Total Renewable Resources		18,495,770	8,740	1,087,492	224,078	116,540	5,496,348	0	11,562,573

Notes:	
(1)	Retail DG capacity presented in DC; all others in AC
(2)	Wholesale RECs transferred based on projected production and forecast wholesale load ratio share. Actual RECs transferred will be presented in the 2024 RES Report.
(3)	Windsourse retirement method will use proportional allocation of Wholesale DG and Non-DG plus third-party verified generation.
	REC vintages from the last half of the prior year could be used for the Standard Windsourse retirement, per Green-e Standards. Actual RECs retired will be presented in the 2024 RES Report.
(4)	Currently executed REC sales. Actual REC sales will be sourced from multiple wind generators, but generation from specific generators is unknown at the time of this filing.

Table 4-3 - Renewable Energy Credits Acquired/Transferred Public Service Company of Colorado 2025 Renewable Energy Standard Compliance Plan										
			City of Boulder	Wholesale REC	RECs Retired	RECs Retired for Renewable*	RECs Retired	RECs	Total Recycled Energy & RECs	
Renewable Resources	Capacity (MW) (1)	RECs Acquired 2025	Transfers 2025	Allocation 2025 (2)	for Windsource 2025 (3)	Connect 2025	for CRP 2025	Sold 2025 (4)	Available 2025	
Column Reference	a	b	c	d	e1	e2	e3	f	g	
Row										
1	Retail DG								g = (b - c - d - e - f)	
2	Small Net Metered	289.81	253,874							
3	Small Third Party Developer	184.28	226,004							
4	Medium	210.82	240,081							
5	RFP Large* (RecTracker)	9.60	34,493							
6	RFP Large* (WREGIS COSR facilities)	17.25	61,954							
7	REC Only	0.00	0							
8	SR Community (RecTracker)	39.91	69,923							
9	SR Community (WREGIS)	116.91	204,830							
10										
11										
12	Total Retail DG	868.59	1,091,159	0	0	0	0	0	1,091,159	
13										
14	Wholesale DG									
15										
16	Wholesale DG Solar								g = (b - c - d - e - f)	
17	Power Purchase w/RECs:									
18	SunE Alamosa	6.20	14,363		983		1,338			
19	Cogentrix	30.00	55,350		3,786		5,156			
20	SanLuis Solar	30.00	70,785		4,842		6,594			
21	Greater Sandhill	19.00	45,237		3,094		4,214			
22	SolarTAC	0.25	0		0		0			
23										
24										
25	Total Wholesale DG Solar	85.45	185,735	0	12,705	0	17,302	0	155,728	
26										
27	Wholesale DG Biomass								g = (b - c - d - e - f)	
28	Power Purchase w/RECs:									
29										
30	Waste Management	3.28	0		0		0			
31	Total Wholesale DG Biomass	3.28	0	0	0	0	0	0	0	
32										
33	Wholesale DG Small Hydropower								g = (b - c - d - e - f)	
34	Company-Owned Generation:									
35	Ames	2.80	7,000		479		652			
36	Georgetown	1.44	4,430		303		413			
37	Salida	0.65	1,712		117		160			
38	Shoshone	14.40	85,000		5,814		7,919			
39	Tacoma	8.00	9,491		649		884			
40	Power Purchase w/RECs:									
41	Betasso/SL/Lakewood	7.50	8,719				872			
42	SilverLake	3.30	8,719	1,318						
43	Dillon Dam	1.90	9,327	1,410						
44	Foothills	2.30	5,332				533			
45	Roberts Tunnel	6.10	11,580	1,751						
46	Strontia Springs	1.20	6,246	944						
47	Hillcrest	2.30	5,745	868						
48	Gross Reservoir	8.10	16,061	2,428						
49	Redlands	1.40	2,756				276			
50	Grand Valley/Orchard Mesa	3.00	0				0			
51	Mt. Elbert	2.50	4,251				425			
52	UTE	0.23	0				0			
53										
54	Total Wholesale DG Small Hydropower	67.12	186,368	8,719	7,362	0	12,134	0	158,153	
55										
56	Wholesale DG Wind								g = (b - c - d - e - f)	
57	Company Owned Generation									
58	Ponnequin II-VI									
59	Power Purchase w/RECs:									
60	Ridgecrest	29.70	0		0		0			
61	Northern Colorado Wind II	22.50	69,391		4,747		6,464			
62	NREL Siemens	2.30	0		0		0			
63										
64	Total Wholesale DG Wind	54.50	69,391	0	4,747	0	6,464	0	58,180	
65										
66	Total Wholesale DG	210.35	441,494	8,719	24,814	0	35,900	0	372,061	
67										
68	Non-DG									
69										
70	Non-DG Wind								g = (b - c - d - e - f)	
71	Company Owned Generation									
72	Rush Creek	600.00	1,647,980			227,955	1,647,980			
73	Cheyenne Ridge	499.00	1,710,544				1,710,544			
74	Power Purchase w/RECs:									
75	Colorado Green	162.00	456,091					0		
76	Spring Canyon	60.00	171,880					0		
77	Cedar Creek	300.50	773,312					0		
78	Twin Buttes	75.00	173,243					0		
79	Logan	201.00	531,479					0		
80	Peetz Table	199.50	620,029					0		
81	Northern Colorado Wind I	151.80	473,240					0		
82	Limon I	200.00	723,501		163,782					
83	Cedar Creek II	250.80	683,851		154,806					
84	Cedar Point	252.00	803,830		181,966					
85	Limon II	200.00	610,848		138,280					
86	Limon III	200.60	794,224		179,792					
87	Multiband Golden West	249.90	828,876				828,876			
88	Mountain Breeze	169.00	634,839				634,839			
89	Broncos Plains	300.00	966,836							
90										
91	Total Non-DG Wind	4,071.10	12,604,604	0	818,626	227,955	4,822,239	0	6,735,784	
92										
93	Non-DG Solar								g = (b - c - d - e - f)	
94	Comanche Solar	120.00	274,728		62,191					
95	Solar Star III	50.00	114,873		26,004					
96	Hartsel Solar	72.00	163,159							

		Capacity (MW) (1)	RECs Acquired 2025	City of Boulder Transfers 2025	Wholesale REC Allocation 2025 (2)	RECs Retired for Windsource 2025 (3)	RECs Retired for Renewable* Connect 2025	RECs Retired for CRP 2025	RECs Sold 2025 (4)	Total Recycled Energy & RECs Available 2025
Renewable Resources	Column Reference	a	b	c	d	e1	e2	e3	f	g
Row										
97	Neptune Solar	250.00	666,883							
98	Bighorn Solar	240.00	566,232							
99	Thunder Wolf	200.00	511,963							
100	Midway	100.00	266,216							
101	Sun Mountain Solar	200.00	535,986							
102	Titan Solar	50.00	110,920				110,920			
103	Total Non-DG Solar	1,282.00	3,210,960	0	88,195	0	110,920	0	0	3,011,845
104										
105	Total Non-DG	5,353.10	15,815,564	0	906,821	227,955	110,920	4,822,239	0	9,747,629
106										
107										
108	Total Non Retail DG Renewables (WDG + NDG)		16,257,058	8,719	931,635	227,955	110,920	4,858,139	0	10,119,690
109	Total Renewable Resources		17,348,217	8,719	931,635	227,955	110,920	4,858,139	0	11,210,849
110										
Notes:										
(1)	Retail DG capacity presented in DC; all others in AC									
(2)	Wholesale RECs transferred based on projected production and forecast wholesale load ratio share. Actual RECs transferred will be presented in the 2025 RES Report.									
(3)	Windsource retirement method will use proportional allocation of Wholesale DG and Non-DG plus third-party verified generation. REC vintages from the last half of the prior year could be used for the Standard Windsource retirement, per Green-e Standards. Actual RECs retired will be presented in the 2025 RES Report.									
(4)	Currently executed REC sales. Actual REC sales will be sourced from multiple wind generators, but generation from specific generators is unknown at the time of this filing.									

Table 4-4 - Planned Procurement of RECs
Public Service Company of Colorado
2022 Renewable Energy Standard Compliance Plan

Calendar Year	Retail DG	Retail DG RECs	Retail DG RECs	Bonus	Community-Based	Retail DG	Wholesale	New Wholesale	Wholesale DG	Wholesale	Wholesale DG	Wholesale	Existing	New	Recycled	Non-DG RECs	Non-DG	Non-DG Bonus	
		Retired for					DG	DG	Retired for	DG RECs	Bonus	DG	Non-DG	Non-DG	Energy	Retired for	RECs	Non-DG Bonus	
	RECs (1)	Windsources, R*C, & CRP	Sold (2)	RECs (3)	Bonus RECs	Total RECs	RECs (1)	RECs (1)	Windsources, R*C, & CRP	Sold (2)	RECs (4)	Total RECs	RECs (1)	RECs (1)		Windsources, R*C, & CRP	Sold (2)	For RECs & Recycled Energy	
Column Reference	a	b	c	d	e	f	g	h	i	j	k	L	m	n	o	p	q	r	
Calculation						f = (a - b - c + d + e)						L= (g + h - i - j + k)							
Row																			
1	2021	740,083	-	-	24,774	1,480	766,337	497,514	-	44,855	-	113,166	565,825	12,958,708	-	-	4,124,989	850,000	1,247,637
2	2022	840,671	-	-	24,749	1,681	867,101	499,208	-	45,025	-	113,547	567,730	13,767,337	-	-	5,194,099	850,000	1,246,284
3	2023	942,996	-	-	24,724	1,886	969,606	430,443	-	38,147	-	98,075	490,371	15,993,983	-	-	5,728,843	350,000	1,253,862
4	2024	1,030,198	-	-	24,699	1,886	1,056,783	417,288	-	31,558	-	96,433	482,163	15,952,053	-	-	8,201,746	-	1,258,422
5	2025	1,091,159	-	-	24,674	1,886	1,117,719	407,960	-	27,519	-	95,110	475,551	14,908,742	-	-	7,193,952	-	1,232,118
6	2026	1,155,756	-	-	24,649	1,886	1,182,291	416,569	-	29,005	-	96,891	484,455	15,325,909	-	-	7,568,915	-	1,210,766
7	2027	1,224,167	-	-	24,624	1,886	1,250,677	366,936	-	25,539	-	85,349	426,746	14,536,146	-	-	6,702,790	-	1,159,597
8	2028	1,309,814	-	-	24,599	1,886	1,336,299	327,632	-	19,553	-	77,020	385,099	13,140,481	-	-	5,213,170	-	936,312
9	2029	1,425,520	-	-	24,574	1,886	1,451,980	306,026	-	19,359	-	71,667	358,334	13,096,745	-	-	5,166,640	-	938,650
10	2030	1,568,739	-	-	24,549	1,886	1,595,174	251,378	-	17,354	-	58,506	292,530	12,641,800	-	-	4,664,900	-	944,970
11	2031	1,703,558	-	-	24,524	1,886	1,729,968	209,660	-	16,575	-	48,271	241,356	12,523,831	-	-	4,470,194	-	923,665
12	2032	1,818,625	-	-	24,499	1,886	1,845,010	113,189	-	12,451	-	25,185	125,923	11,798,670	-	-	3,441,152	-	804,236
13	2033	1,938,884	-	-	24,474	1,886	1,965,244	102,415	-	9,754	-	23,165	115,826	11,103,069	-	-	2,768,224	-	700,245
14	2034	2,063,814	-	-	24,449	1,886	2,090,149	102,415	-	8,566	-	23,462	117,311	10,806,160	-	-	2,470,335	-	668,589
15	2035	2,193,310	-	-	24,424	1,886	2,219,620	102,415	-	7,284	-	23,783	118,914	10,518,626	-	-	2,151,514	-	616,540
16	2036	2,326,890	-	-	24,399	1,886	2,353,175	102,619	-	6,231	-	24,097	120,485	10,314,068	-	-	1,887,650	-	617,373
17	2037	2,464,623	-	-	24,374	1,886	2,490,883	98,132	-	1,222	-	24,227	121,137	9,043,608	-	-	635,015	-	445,698

Notes:

- (1) RECs presented are net of Wholesale Transfers and City of Boulder transfers (if applicable) and do not include in-state bonus
- (2) RECs sold based on executed transactions with Trading/Origination
- (3) Bonus applied to Retail DG based on purchase transactions entered into prior to August 11, 2010
- (4) Bonus applies to Non Retail facilities COD prior to 01/01/2015; a 1.25 bonus applies for all Non-Retail resources placed in service $\leq$ 12/31/2014

Non-DG

Total RECs

S

(m + n + o - p - q + r)

	9,231,351
	8,969,521
	11,169,000
-----	9,008,721
	8,946,901
	8,967,761
	8,992,951
	8,863,621
	8,868,751
	8,921,861
	8,977,301
	9,161,751
	9,035,091
	9,004,411
	8,983,651
	9,043,791
	8,854,291

Table 4-5 - Planned Procurement of RECs Renewable*Connect Public Service Company of Colorado 2022 Renewable Energy Standard Compliance Plan				
		Renewable* Connect RECs	Non-DG RECs Retired for Renewable* Connect ⁽¹⁾	RECS Remaining
<u>Calendar Year</u>				
Column Reference Calculation		a	b	c c = a - b
Row				
1	2021	118,384	118,384	0
2	2022	116,189	116,189	0
3	2023	116,920	116,920	0
4	2024	116,540	116,540	0
5	2025	110,920	110,920	0
6	2026	111,808	111,808	0
7	2027	106,582	106,582	0
8	2028	104,660	104,660	0
9	2029	103,039	103,039	0
10	2030	97,264	97,264	0
11	2031	96,636	96,636	0