Code of Colorado Regulations 4 CCR 723-3,

Section 3662 - Annual Compliance Report

(a) Each investor owned and cooperative electric association QRU shall file an annual compliance report no later than June 1 to report on the status of the QRU's compliance with the renewable energy standard for the most recently completed compliance year. Unless expressly noted otherwise, the annual compliance report of each investor owned and cooperative electric association QRU shall provide the following information for the most recently completed compliance year:

(I) The total megawatt-hours sold by the QRU to its retail customers in Colorado and the associated eligible energy required for compliance with the renewable energy standard, including the requirements for retail renewable distributed generation and wholesale renewable distributed generation, as applicable;

(II) The total amount and source of eligible energy and RECs acquired by the QRU during the compliance year for to meet the renewable energy standard, including the requirements for retail renewable distributed generation and wholesale renewable distributed generation, as applicable. The QRU shall separately identify amounts of eligible energy and RECs by each type of resource, including residential retail renewable distributed generation and nonresidential renewable distributed generation, as applicable;

(III) The total amount of RECs by category acquired by the investor owned QRU during the compliance year and the total amount and source of eligible energy generated by the QRU-owned eligible energy resources;

(IV) The total amount of eligible energy and RECs borrowed forward, pursuant to paragraph 3654(j), in previous compliance years that

were made up during the compliance year to achieve compliance with each component of the renewable energy standard;

(V) The total amount of eligible energy and RECs borrowed forward, pursuant to paragraph 3654(j), from future compliance years to achieve compliance with each component of the renewable energy standard in the compliance year;

(VI) The total amount and source of eligible energy and RECs the QRU is carrying back from the year following the compliance year under subparagraph 3654(h)(I) to achieve compliance with each component of the renewable energy standard in the compliance year;

(VII) The total amount of eligible energy and RECs the QRU has carried forward from prior calendar years under subparagraph 3654(h)(III) to apply in the compliance year for each component of the renewable energy standard.

(VIII) The total amount of eligible energy and RECs the QRU has acquired in the compliance year that the QRU proposes to carry forward under subparagraph 3654(h)(III) to future years for each component of the renewable energy standard;

(IX) The total amount of eligible energy and RECs the QRU has counted toward compliance with the renewable energy standard, including the requirements for retail renewable distributed generation and wholesale renewable distributed generation, as applicable, in the compliance year. The QRU shall separately identify amounts of renewable energy by each type of resource;

(X) The total amount of renewable energy or RECs acquired by the QRU during the compliance year pursuant to the SRO program;

(XI) The total amount of RECs retired by the investor owned QRU during the compliance year pursuant to a voluntary green pricing program;

(XII) The total amount of RECs sold or traded by the investor owned QRU during the compliance year along with the profit and losses of such transactions and the method for calculating these margins;

(XIII) Whether the QRU has invested in any eligible energy resource and whether that resource is under construction or in operation; and

(XIV) The funds expended from the RESA account and other revenue sources and the retail rate impact of the eligible energy and RECs acquired by the investor owned QRU. If the investor owned QRU has not acquired sufficient eligible energy and RECs to meet the renewable energy standard under rule 3654 or the requirements for renewable distributed generation under rule 3655 due to the retail rate impact cap under rule 3661, the retail rate impact cap shall be recalculated based on the actual compliance year values. To the extent the recalculation of the retail rate impact cap demonstrates that additional funds are available based on actual compliance year values, the investor owned QRU shall use those additional funds to acquire RECs, to the extent necessary, to achieve the compliance levels set forth in rules 3654 and 3655 or until the additional funds have been spent if the investor owned QRU intends to claim that the retail rate impact cap prevented it from achieving compliance with the standard.

(XV) A description of the method used to develop the retail rate impact calculation.

(XVI) The proposed calculation of on-going annual net incremental costs for eligible energy resources that will come on line prior to the end of the following compliance year that have not been locked down pursuant to an investor owned QRU's compliance plan filing.

(XVII) The funds advanced by the investor owned QRU during the compliance year, if any, to augment the amounts collected from retail customers through the RESA.

(XVIII) The average hourly incremental cost of electricity during the compliance year, the total number of CSG kilowatt-hours which were unsubscribed for each CSG during that period, and the total kilowatt-hours and corresponding billing credits paid to CSG subscribers during the compliance year by each retail rate class for each CSG.

(b) In the annual compliance report, the QRU must explain whether it achieved compliance with the renewable energy standard, including the requirements for retail renewable distributed generation and wholesale renewable distributed generation, as applicable, during the most recently completed compliance year, or explain why the QRU had difficulty meeting the renewable energy standard or the requirements for retail renewable distributed generation and wholesale renewable distributed generation, as applicable.

(c) If, in its annual compliance report, the QRU did not comply with its renewable energy standard as a direct result of absolute limitations within a requirements contract from a wholesale electric supplier, then the QRU must explain whether it acquired a sufficient amount of either eligible RECs or documented and verified energy savings through energy efficiency and/or conservation programs, or both to rectify the noncompliance so as to excuse the investor owned QRU from any administrative fine or other administrative action.

(d) On the same date that the QRU files its annual compliance report, the QRU shall post an electronic copy of its annual compliance report excluding confidential material on its website to facilitate public access and review.

(e) On the same date that the QRU files its annual compliance report, it shall provide the Commission with an electronic copy of its annual compliance report excluding confidential material. The Commission may place the non-confidential portion of each QRU's annual compliance report on the Commission's website in order to facilitate public review.

Attachment B
Public Service Company of Colorado
2012 Actual Energy Sales and Resulting RES Compliance Requirements
2012 Renewable Energy Standard Compliance Report

Calendar Year	Retail Sales (MWhs)	RES[1] (RECs)	RES DG Requirement (RECs)	Retail DG Minimum (RECs)	Wholesale Maximum (RECs)	Non-DG Requirement (RECs)
2012	28,783,143	3,453,977	287,831	143,916	143,916	3,166,146

[1] RES Requirements
2012 12% Retail Sales with 1% coming from DG half of which must be Retail DG

2012 Renewable Energy Standard Compliance Report
Public Service Company of Colorado
Attachment C - Inputs
2012 Renewable Energy Standard Compliance Report

2012 Forecasted Renewable Energy Standard Compliance Amounts

Row				**Notes**
1	Colorado Retail Electric Sales	28,783,143	MWh	
2	Total RES Requirement	3,453,977	RECs	12% x (1)
3	DG Requirement	287,831	RECs	1% x (1)
4	Retail DG RES Requirement	143,916	RECs	50% x (3)
5	Wholesale DG RES Requirement	143,915	RECs	(3) - (4)
6	Non-DG RES Requirement	3,166,146	RECs	(2) - (3)

Attachment C - Renewable Energy Credit Compliance Summary
Public Service Company of Colorado
2012 Renewable Energy Standard Report
Table 4-2

Row	Renewable Resources	RECs Carried Forward 2008-2011 (1)	REC Adjustments 2008-2011 (2)	Retail RECs Available 2012	RECs Retired for Windsource 2012	REC Sales	Total RECs Available 2008-2012	In-State REC Bonus Applied (3)	Additional Community REC Bonus Applied	Total RECs Available for 2012 RES Compliance	Renewable Energy Standard 2012	RECs Retired For 2011 RES Compliance	RECs Retired For 2012 RES Compliance	RECs Carried Forward After 2012 RES Compliance
	Column Reference	a	b	c	d	e	f	g	h	i	j	k	l	m
	Calculation						(a + b + c - d - e)	(f x 0.25)		(f + g + h)				(i - k - l)
1	**Retail DG Solar Systems**													
2	Small Customer-Owned (<10 kW)	19,461	(2,737)	58,481			75,205	11,286		86,491			86,491	0
3	Small Third Party Developer (<10 kW)	7,390	581	22,462			30,433	4,579		35,012			11,663	23,349
4	Medium 1 (10 - 100 kW)	18,938	321	30,916			50,175	8,117		58,292			23,489	34,803
5	Medium 2 (101 - 500 kW)	15,455	850	29,137			45,442	7,247		52,689			19,880	32,809
6	RFP	35,136	312	46,475	6,054		75,869	12,612		88,481			566	87,915
7	REC Only	1,499	0	1,499			2,998	517		3,515			1,827	1,688
8	**Total Retail DG Solar**	97,879	(673)	188,970	6,054	-	280,122	44,358	-	324,480	143,916	-	143,916	180,564
9								16%						
10	**Wholesale DG Solar Systems**													
11	Power Purchase w/RECs:													
12	SunE Alamosa	10,402		9,113			19,515	4,879		24,394			-	24,394
13	Cameo Solar	-		-			-	-		-			-	0
14	Cogentrix	446		65,841			66,287	16,572		82,859			-	82,859
15	Greater Sandhill	40,429		43,128			83,557	20,889		104,446			-	104,446
16	San Luis Solar	3,640		77,567			81,207	20,302		101,509			-	101,509
17	SunE at SolarTAC	-		281			281	70		351			-	351
18	Amonix at SolarTAC	677		775			1,452	363		1,815			-	1,815
19	**Total Wholesale DG Solar**	55,594	0	196,705	-	-	252,299	63,075	-	315,374		-	-	315,374
20														
21	**Wholesale DG Wind**													
22	Company Owned Generation													
21	Ponnequin II-VI	63,266		43,913	18,673		88,506	22,127		110,633			1,791	108,842
22	Power Purchase w/RECs:													
23	Northern Colorado Wind II	111,217		69,271		-	180,488	45,122		225,610			-	225,610
24	NREL Siemens	2,822		2,666			5,488	1,372		6,860			-	6,860
25	Ponnequin I	14,655	17	3,554			18,226	4,557		22,783			1,368	21,415
26	Ridgecrest	142,628		70,083			212,711	53,178		265,889			-	265,889
27	**Total Wholesale DG Wind**	334,588	17	189,487	18,673	-	505,419	126,356	-	631,775			3,159	628,616
28														
29	**Wholesale DG Biomass**													
30	Power Purchase w/RECs:													
31	75th St Digester	-		-			-	-		-			-	0
32	WM Denver/Aurora Disposal Site	56,669		19,825			76,494	19,124		95,618			11,874	83,744
33	**Total Wholesale DG Biomass**	56,669	0	19,825	-	-	76,494	19,124	-	95,618			11,874	83,744
34														
35	**Wholesale DG Hydropower**													
36	Company-Owned Generation:													
37	Ames	30,115		8,121.00			38,236	9,559		47,795			9,469	38,326
38	Georgetown	13,536		2,354.00			15,890	3,973		19,863			3,004	16,859
39	Palisade	24,664	(11)	-			24,653	6,163		30,816			10,371	20,445
40	Salida	7,971		1,425.00			9,396	2,349		11,745			3,563	8,182
41	Shoshone	175,394		47,788.00			223,182	55,796		278,978			42,217	236,761
42	Tacoma	39,595		11,832.00			51,427	12,857		64,284			7,513	56,771

Attachment C - Renewable Energy Credit Compliance Summary
Public Service Company of Colorado
2012 Renewable Energy Standard Report
Table 4-2

Row	Renewable Resources	RECs Carried Forward 2008-2011 (1)	REC Adjustments 2008-2011 (2)	Retail RECs Available 2012	RECs Retired for Windsource 2012	REC Sales	Total RECs Available 2008-2012	In-State REC Bonus Applied (3)	Additional Community REC Bonus Applied	Total RECs Available for 2012 RES Compliance	Renewable Energy Standard 2012	RECs Retired For 2011 RES Compliance	RECs Retired For 2012 RES Compliance	RECs Carried Forward After 2012 RES Compliance
	Column Reference	a	b	c	d	e	f	g	h	i	j	k	l	m
	Calculation						(a + b + c - d - e)	(f x 0.25)		(f + g + h)				(i - k - l)
43	Power Purchase w/RECs:													
44	Bridal Veil	4,259		340.00			4,599	1,150		5,749			1,200	4,549
45	Betasso/Silver Lake/Lakewood	43,706		13,655.00			57,361	14,340		71,701			8,665	63,036
46	Boulder Canyon	15,952		-			15,952	3,988		19,940			3,715	16,225
47	Kohler	1,013		335.00			1,348	337		1,685			234	1,451
48	Maxwell	791		253.00			1,044	261		1,305			211	1,094
49	Orodell	950		131.00			1,081	270		1,351			367	984
50	Sunshine	4,556		1,849.00			6,405	1,601		8,006			667	7,339
51	Dillon Dam	27,957		7,639.00			35,596	8,899		44,495			6,049	38,446
52	Foothills	17,357		7,100.00			24,457	6,114		30,571			1,481	29,090
53	Hillcrest	20,938		9,047.00			29,985	7,496		37,481			2,558	34,923
54	Roberts Tunnel	37,695		26,354.00			64,049	16,012		80,061			6,863	73,198
55	Strontia Springs	18,768		7,208.00			25,976	6,494		32,470			4,004	28,466
56	Gross Reservoir	48,238		14,612.00			62,850	15,713		78,563			6,084	72,479
57	Lake George	3		-			3	1		4			4	0
58	Ouray	5,578		-			5,578	1,395		6,973			309	6,664
59	Vallecito Dam	-		-			-	-		-			-	0
60	Redlands	20,946		6,568.00			27,514	6,879		34,393			4,814	29,579
61	Stagecoach	10,497		2,212.00			12,709	3,177		15,886			2,226	13,660
62	Grand Valley	5,123		3,991.00			9,114	2,279		11,393			-	11,393
63	Orchard Mesa	5,123		3,991.00			9,114	2,279		11,393			-	11,393
64	Mt. Elbert	10,571	1	-			10,572	2,643		13,215			3,301	9,914
65	**Total Wholesale DG Hydropower**	591,296	(10)	176,805.00	-	-	768,091.00	192,025.00	-	960,116			128,889	831,227
66														
67	**Total Wholesale DG**	1,038,147	7	582,822	18,673	-	1,602,303	400,580	-	2,002,883	143,915	-	143,922	1,858,961
68														
69	**Non-DG Wind**													
70	Cedar Creek	1,330,117	8	837,376		360,727	1,806,774	451,694		2,258,468			1,066,689	1,191,779
71	Cedar Creek II	410,104	6	790,068			1,200,178	300,045		1,500,223			-	1,500,223
72	Cedar Point	299,009		867,709			1,166,718	291,680		1,458,398			-	1,458,398
73	Colorado Green	574,404	(44)	263,647	162,178		675,829	168,957		844,786			231,660	613,126
74	Foote Creek III	155,844		67,158			223,002	-		223,002			76,390	146,612
75	Limon Wind	-		125,796			125,796	31,449		157,245			-	157,245
76	Limon Wind II	-		77,971			77,971	19,493		97,464			-	97,464
77	Logan	774,846		467,564		168,713	1,073,697	268,424		1,342,121			387,740	954,381
78	Northern Colorado Wind I	610,017		440,806		94,848	955,975	238,994		1,194,969			283,201	911,768
79	Peetz Table	1,114,319		644,495		239,156	1,519,658	379,915		1,899,573			701,557	1,198,016
80	Spring Canyon	311,091		214,495		93,305	432,281	108,070		540,351			128,779	411,572
81	Twin Buttes	475,791	47	264,831		19,993	720,676	180,169		900,845			290,130	610,715
82	**Total Non-DG Wind**	6,055,542	17	5,061,916	162,178	976,742	9,978,555	2,438,890	0	12,417,445	3,166,146	0	3,166,146	9,251,299
83														
84														
85	**Total Renewable Resources**	7,191,568	(649)	5,833,708	186,905	976,742	11,860,980	2,883,828	0	14,744,808	3,453,977	0	3,453,984	11,290,824

Notes:
(1) RECs presented are net of transfers and do not include in-state bonus
(2) Solar Rewards and WREGIS adjustments
(3) No bonus applied to Foote Creek generation.
Grandfathered bonus only applied to 2011-2012 RECs for retail DG based on purchase transactions entered into prior to August 11, 2010.
Complete 25% bonus applied to RECs carried forward from 2008-2010

Attachment C - Renewable Energy Credits Acquired/Transferred
Public Service Company of Colorado
2012 Renewable Energy Standard Report
Table 4-3

Row	Renewable Resources	Capacity (MW) (1)	RECs Acquired 2012	City of Boulder Transfers 2012	Wholesale Wind Purchases 2012	Wholesale Allocation 2012	Total Retail RECs RECs Available 2012
	Column Reference	a	b	c	d	e	f
	Calculation						(b - c - d - e)
1	**Retail DG Solar Systems**						
2	Small Customer-Owned (<10 kW)	44.63	58,481	0	0	0	58,481
3	Small Third Party Developer (<10 kW)	22.49	22,462	0	0	0	22,462
4	Medium 1 (10 - 100 kW)	23.80	30,916	0	0	0	30,916
5	Medium 2 (101 - 500 kW)	23.68	29,137	0	0	0	29,137
6	RFP	27.53	46,475	0	0	0	46,475
7	REC Only	2.14	1,499	0	0	0	1,499
8	**Retail DG Solar**		188,970	0	0	0	188,970
9							
10	**Wholesale DG Solar Systems**	**Nameplate Capacity**					
11	Power Purchase w/RECs:						
12	SunE Alamosa	6.20	17,596	0	0	8,483	9,113
13	Cameo Solar		0	0	0	0	0
14	Cogentrix	30.00	65,841	0	0	0	65,841
15	Greater Sandhill	19.00	49,130	0	0	6,002	43,128
16	San Luis Solar	30.00	77,567	0	0	0	77,567
17	SunE at SolarTAC	0.19	281	0	0	0	281
18	Amonix at SolarTAC	0.48	775	0	0	0	775
19	**Total Wholesale DG Solar**		211,190	0	0	14,485	196,705
20							
21	**Wholesale DG Wind**						
22	Company Owned Generation						
23	Ponnequin II-VI	26.40	54,279	0	10,366	0	43,913
24	Power Purchase w/RECs:						
25	Northern Colorado Wind II	22.50	70,735	0	0	1,464	69,271
26	NREL Siemens	2.30	2,666	0	0	0	2,666
27	Ponnequin I	5.25	4,762	0	1,208	0	3,554
28	Ridgecrest	29.70	74,794	0	0	4,711	70,083
29	**Total Wholesale DG Wind**		207,236	0	11,574	6,175	189,487
30							
31	**Wholesale DG Biomass**						
32	Power Purchase w/RECs:						
33	75th St Digester	0.69	0	0	0	0	0
34	WM Denver/Aurora Disposal Site	3.28	21,272	0	0	1,447	19,825
35	**Total Wholesale DG Biomass**		21,272	0	0	1,447	19,825
36							
37	**Wholesale DG Hydropower**						
38	Company-Owned Generation:						
39	Ames	3.60	8,210	0	0	89	8,121
40	Georgetown	1.44	2,415	0	0	61	2,354
41	Salida	1.31	1,460	0	0	35	1,425
42	Shoshone	14.40	60,019	0	0	12,231	47,788
43	Tacoma	4.50	12,542	0	0	710	11,832
44	Power Purchase w/RECs:						
45	Bridal Veil	0.50	340	0	0	0	340
46	Betasso/Silver Lake/Lakewood	10.00	27,310	13,655.00	0	0	13,655
47	Boulder Canyon	10.00	0	-	0	0	0
48	Kohler	0.15	669	334.00	0	0	335
49	Maxwell	0.07	506	253.00	0	0	253
50	Orodell	0.22	263	132.00	0	0	131
51	Sunshine	0.81	3,698	1,849.00	0	0	1,849
52	Dillon Dam	1.90	7,639	0	0	0	7,639
53	Foothills	2.30	7,100	0	0	0	7,100
54	Hillcrest	2.30	9,047	0	0	0	9,047
55	Roberts Tunnel	6.10	26,354	0	0	0	26,354
56	Strontia Springs	1.20	7,208	0	0	0	7,208
57	Gross Reservoir	8.10	14,612	0	0	0	14,612
58	Lake George	-	0	0	0	0	0
59	Ouray		0	0	0	0	0
60	Vallecito Dam	-	0	0	0	0	0
61	Redlands	1.40	6,568	0	0	0	6,568
62	Stagecoach	0.80	2,212	0	0	0	2,212
63	Grand Valley	1.50	3,991	0	0	0	3,991
64	Orchard Mesa	1.50	3,991	0	0	0	3,991
65	Mt. Elbert	-	0	0	0	0	0
66	**Total Wholesale DG Hydropower**		206,154	16,223	0	13,126	176,805
67							
68	**Total Wholesale DG**		645,852	16,223	11,574	35,233	582,822

Attachment C - Renewable Energy Credits Acquired/Transferred
Public Service Company of Colorado
2012 Renewable Energy Standard Report
Table 4-3

Row	Renewable Resources	Capacity (MW) (1)	RECs Acquired 2012	City of Boulder Transfers 2012	Wholesale Wind Purchases 2012	Wholesale Allocation 2012	Total Retail RECs RECs Available 2012
	Column Reference	a	b	c	d	e	f
	Calculation						(b - c - d - e)
69							
70	**Non-DG Wind**						
71	Cedar Creek	300.50	837,376	0	0	0	837,376
72	Cedar Creek II	250.80	790,068	0	0	0	790,068
73	Cedar Point	252.00	867,709	0	0	0	867,709
74	Colorado Green	162.00	519,507	0	0	255,860	263,647
75	Foote Creek III	24.75	72,496	0	0	5,338	67,158
76	Limon Wind	200.00	125,796	0	0	0	125,796
77	Limon Wind II	200.00	77,971	0	0	0	77,971
78	Logan	201.00	602,780	0	0	135,216	467,564
79	Northern Colorado Wind I	151.80	440,806	0	0	0	440,806
80	Peetz Table	199.50	644,495	0	0	0	644,495
81	Spring Canyon	60.00	214,495	0	0	0	214,495
82	Twin Buttes	75.00	264,831	0	0	0	264,831
83	**Total Non-DG Wind**		5,458,330	0	0	396,414	5,061,916
84							
	Total Renewable Resources		6,293,152	16,223	11,574	431,647	5,833,708

Notes:

(1) Retail DG solar capacity presented in DC; all other generators presented in AC

Attachment C - Comparison
Public Service Company of Colorado
2012 Renewable Energy Standard Report

Row	Renewable Resources	RECs Acquired 2012 RES Compliance Plan*	RECs Acquired 2012 RES Compliance Report	Percent Difference
	Column Reference	a	b	c
	Calculation			(b-a)/a
1	**Retail DG Solar Systems**	244,162	188,970	**-23%**
2				
3	**Wholesale DG Solar Systems**	206,570	211,190	**2%**
4				
5	**Wholesale DG Wind**	209,778	207,236	**-1%**
6				
7	**Wholesale DG Biomass**	18,457	21,272	**15%**
8				
9	**Wholesale DG Hydro**	234,914	206,154	**-12%**
10				
11	**Non-DG Wind**	5,407,817	5,458,330	**1%**
12				
13	**Total Renewable Resources**	6,321,697	6,293,152	**0%**

Attachment D

Public Service Company of Colorado
2012 Renewable Energy Standard Compliance Report

	A	B	C	D	E	F	G	H	I	K	L	M	N	O	P	Q
	Total Renewable Energy Costs				RESA Related Revenues						RESA Related Expenditures			RESA Balance		
	New On-Site Solar Costs	NEW Central Solar Costs	NEW Wind Energy Costs	New Total Renewable Energy Costs	RESA Rider Revenue	Windsource Revenue	Wholesale REC Revenue	Carbon Offset Funds	REC Margins	Total RESA Revenue	Incremental Costs	Ongoing Incremental	RESA/ WRGIS/ Windsource ADM	Annual Deficiency	Interest	Annual Deficiency w/ Interest	Rolling Balance
													Deferred Rolling Balance at December 31, 2011				(51,367,416)
Model 2012	$24,144,998	$21,190,886	$102,897,709	$148,233,593	$53,042,098	$4,686,729			$2,800,000	$60,528,827	$84,918,257	$5,154,124	$1,673,276	($25,725,407)	($4,817,359)	($30,542,766)	($81,910,182)
Adjusted Actual 2012	$18,610,055	$17,110,622	$104,747,310	$140,467,987	$51,021,885	$4,316,710	$22,267	$7,248,069	$38,615,999	$101,224,930	$75,324,438	$5,859,587	$2,013,085	$18,027,820	($2,614,693)	$15,413,127	($35,954,289)
Delta	($5,534,943)	($4,080,264)	$1,849,601	($7,765,606)	($2,020,213)	($370,019)	$22,267	$7,248,069	$35,815,999	$40,696,103	($9,593,819)	$705,463	$339,809	$43,753,227	$2,202,666	$45,955,893	$45,955,893

New Solar

	Onsite Group C		
		80,189	Amonix
RECs	$11,252,132	10,728,466	San Luis Solar
Rebate	$7,357,923	28,798	SunE Solar TAC
Total	$18,610,055	6,353,358	Greater Sand
		17,110,622	

New Wind

5,205,618	Ponnequin Purchased
337,913	Ponnequin Owned
3,832,793	Ridgecrest
128,501	Siemens Energy
33,979	NREL Wind
52,459,104	Cedar Point Wind
37,555,033	Cedar Creek II
50,063	Alstom Power
3,165,185	Limon I
1,979,121	Limon II
104,747,310	

Modeled and Ongoing Incremental Costs

On-site	18,610,055	4,936,524	
On-site Avoided	(6,243,991)	(4,616,992)	
On-site Inc	12,366,064	319,532	
Sandhill	4,032,532		
SunE		2,088,516	
NCWI		2,733,248	
NCWII		718,291	
Ponn/Owned	4,847,364		
Ridge	1,698,134		
Siemens/NREL	63,624		
Cedar Point	27,892,107		
Cedar Creek II	17,124,294		
Amonix Solar	45,270		
San Luis	7,048,151		
Limon I	331,622		
Limon II	-141,855		
SUN E Solar TAC	17,131		
Total	**75,324,438**	**5,859,587**	***81,184,025***

Ongoing Solar Rewards Incremental Costs

	Total Cost	Avoided Cost	Ongoing Inc Cost
Group A	3,005,170	-2,955,480	49,690
Group B	1,931,354	-1,661,512	269,842
Total	4,936,524	-4,616,992	319,532

Attachment E - 2010

Public Service Company of Colorado

Renewable Energy Service Adjustment (RESA)

Renewable Energy Incremental Costs Ajusted Compared to the RESA Budget Reporting for 2010

2012 RES Compliance Report

	2010 Incremental Cost								
							A	B	C
2010 Rate	NCWE I 151 MW	NCWE II 23 MW	Ponnequin PPA & Ownership	Ridgecrest	SunE Alamosa	Greater Sand Hill	Solar Rewards Prior to 1/1/2009	Solar Rewards 1/1/2009 to 9/30/2009	Solar Rewards after 9/30/2009
GL 2010	$ 5.88	$ 9.51	$ 55.15	$ 2.81	$ 188,500			$	(82,083)
Adjusted 2010	$ 5.88	$ 9.51	$ 55.15	$ 2.81	$ 188,500	$ (7.59)	$ (238,338)	$ (71.24)	$ (49.27)

	Volume 2010 GL vs Adjusted								
Volumes GL	438,412	72,669	56,601	72,974	17,622	6,922	-	-	-
Volumes Adjusted	432,412	72,669	57,743	72,974	17,622	7,404	29,784	21,418	34,243
Delta	(6,000)	-	1,142	-	-	482	29,784	21,418	34,243

	Total 2010 RESA Costs GL vs Adjusted									
GL $	$ 2,221,333	$ 595,504	$ 2,912,627	$ 192,060	$ 2,111,218	$ 505,329		$	(984,996)	$ 7,553,075
2009 adj	$ 432,629	$ 65,962								$ 498,591
Adjusted $	$ 2,192,679	$ 595,977	$ 2,962,552	$ 191,780	$ 2,106,354	$ (48,463)	$ (2,860,056)	$ (1,525,747)	$ (1,687,151)	$ 1,927,925
Delta	$ (461,283)	$ (65,489)	$ 49,925	$ (281)	$ (4,864)	$ (553,792)	$ (2,860,056)	$ (540,751)	$ (1,687,151)	$ (6,123,742)

Positive numbers are costs to the RESA and negative numbers are credts to the RESA from the ECA

Changes in volumes or cost factors

Changes only in RJA factor

Attachment E-2011

Public Service Company of Colorado

Renewable Energy Service Adjustment (RESA)

Renewable Energy Incremental Costs Ajusted RESA Compared to the RESA Budget Reporting for 2011

2012 RES Compliance Report

	2011 Incremental Cost ($/MWh)													
												A	B	C
2011 RATE	NCWE I 151 MW	NCWE II 23 MW	Ponnequin PPA & Ownership	Ridgecrest	Siemens Energy	Cedar Point Wind LCC/Test/In Service	Cedar Creek II LLC/Test/In Service	SunE Alamosa	Greater Sand Hill	Amonix Solar Estimate	San Luis Solar	Solar Rewards Prior to 1/1/2009	Solar Rewards 1/1/2009 to 9/30/2009	Solar Rewards after 9/30/2009
GL2011	$ 5.11	$ 8.80	$ 55.15	$ 16.53	$ -	$ 14.81	$ 8.42	$ 188,500	$ 84.72	$ 40.00	$ -		$	(82,083)
						$ 32.51	$ 18.89							
Adjusted 2011	$ 5.11	$ 8.80	$ 51.30	$ 2.61	$ 22.71	$ 14.81	$ 8.42	$ 183,417	$ 84.25	$ 53.35	$ 23.79	(246,503.17)	(74.50)	(74.29)
						$ 32.51	$ 18.89							
	Volume 2011 GL vs Adjusted													
Volumes GL	482,416	79,004	67,814	78,715	3,103	367,930	581,530	17,814	49,646	550	3,630	-	-	-
Volumes Adjusted	480,722	78,737	66,636	78,715	2,823	316,858	452,784	17,814	48,862	679	3,640	29,745	21,112	87,622
Delta	(1,694)	(267)	(1,178)	0	(280)	(51,072)	(128,746)	0	(784)	129	10	29,745	21,112	87,622
	Total 2011 Total RESA vs Adjusted													
GL $	$ 2,172,729	$ 612,768	$ 3,296,310	$ 1,146,817	$ -	$ 6,079,913	$ 4,744,981	$ 1,993,680	$3,707,111	$ 19,390	$ -		$	(984,996)		
														$ 4,153	$ 22,792,856
Adjusted $	$ 2,165,398	$ 610,779	$ 3,013,347	$ 181,099	$ 56,513	$ 6,080,748	$ 4,805,086	$ 1,940,184	$3,628,808	$ 31,933	$ 76,334	$ (2,958,038)	$ (1,572,848)	$ (6,509,437)	$ -	$ 11,549,906
Delta	$ (7,331)	$ (1,989)	$ (282,963)	$ (965,718)	$ 56,513	$ 835	$ 60,105	$ (53,496)	$ (78,303)	$ 12,543	$ 76,334	$ (2,958,038)	$ (1,572,848)	$ (5,524,441)	$ (4,153)	$ (11,242,950)

Positive numbers are cost transfers to the RESA and negative numbers are transfers from the RESA to the ECA

Changes in volumes or cost variables

Cedar Point and Cedar Creek II received test energy in 2011

Attachment E 2012

Public Service Company of Colorado

Renewable Energy Service Adjustment (RESA)

Renewable Energy Incremental Costs Adjusted RESA Compared to the RESA Budget Reporting for 2012

2012 RES Compliance Report

	2012 Incremental Cost GL Variables vs. Adjusted																			
2012 Rate	**NCWE I 151 MW**	**NCWE II 23 MW**	**Ponnequin PPA & Ownership**	**Ridgecrest**	**Siemens Energy**	**NREL Wind (No RECs)**	**Cedar Point Wind LCC/Test**	**Cedar Creek II LLC/Test**	**Alstom Power Inc. Wind (NO RECs)**	**GAMESA Wind(No RECs)**	**Limon I**	**Limon II**	**SunE Alamosa**	**Greater Sand Hill**	**Amonix Solar Estimate**	**San Luis Solar**	**SunESolar TAC**	**Avoided Costs On-Site SolarGroup A**	**Avoided Costs On-Site SolarGroup B**	**Avoided Costs On-Site SolarGroup C**
GL 2012	$ 4.97	$ 9.18	$ 88.45	$ 24.46	$ 25.71	$ 20.67	$ 34.63	$ 23.35	$ 9.71	$ 1.71	$ 2.84	$ (1.96)	$ 163,583	$ 88.42	$ 62.77	$ 97.89	$ 62.77		$	(82,083)
Adjusted 2012	$ 6.68	$ 10.94	$ 88.45	$ 24.46	$ 25.71	-	$ 34.63	$ 23.35	$ -	$ -	$ 2.84	$ (1.96)	$ 187,500	$ 88.42	$ 62.77	$ 97.89	$ 62.77	$ (246,289.67)	$ (77.42)	$ (45.91)

	Volumes 2012 GL vs Adjusted																			
Volumes GL	441,241	70,908	58,614	74,793	2,570	755	867,710	792,436	1,471	640	115,672	88,095	17,596	49,133	776	77,568	294	-	-	-
Adjusted Volumes	440,807	70,734	59,041	74,793	2,666	-	867,710	790,081	-	-	125,797	77,971	17,596	49,133	776	77,568	294	30,007	21,459	136,006
Delta	**(434)**	**(174)**	**427**	**-**	**96**	**(755)**	**-**	**(2,355)**	**(1,471)**	**(640)**	**10,125**	**(10,124)**	**-**	**-**	**-**	**-**	**-**	**30,007**	**21,459**	**136,006**

	Total RESA Costs GL vs Adjusted																			
Total GL 12/31/	$ 2,025,645	$ 601,270	$ 4,788,838	$ 1,689,853	$ 61,033	$ 14,414	$ 27,756,074	$ 17,091,571	$ 13,194	$ 1,012	$ 303,443	$ (159,492)	$ 1,813,224	$ 4,012,865	$ 44,994	$ 7,013,777	$ 17,048		($984,996)	$ 66,103,767
Total Adjusted $	$ 2,733,248	$ 718,291	$ 4,847,364	$ 1,698,134	$ 63,624	$ -	$ 27,892,107	$ 17,124,294	$ -	$ -	$ 331,622	$ (141,855)	$ 2,088,516	$ 4,032,532	$ 45,270	$ 7,048,151	$ 17,131	$ (2,955,476)	$ (1,661,512)	$ (6,243,991)	$ 57,637,446
Delta	**$ 707,603**	**$ 117,021**	**$ 58,526**	**$ 8,281**	**$ 2,591**	**$ (14,414)**	**$ 136,033**	**$ 32,723**	**$ (13,194)**	**$ (1,012)**	**$ 28,179**	**$ 17,637**	**$ 275,292**	**$ 19,667**	**$ 276**	**$ 34,374**	**$ 83**	**$ (2,955,476)**	**$ (676,516)**	**$ (6,243,991)**	**$ (8,466,321)**
2012 Adjust																				**$ (406,599)**
Total 2012 Transfer																				**$ (8,872,920)**

Positive numbers are costs to the RESA and negative numbers are credits to the RESA from the ECA

	Resources marked in green do not provide RECs and are not eligible for the RESA
	Show only RJA adjustments
	Adjustments in volumes or costs factors
	Denotes an adjustment in the 2013 for 2012 needing to be readjusted

Atachment F Adjusted - 2010
Public Service Company of Colorado
Renewables
2012 RES Compliance Report

Account Number	Technology	Contract	Generator	2010 Total Cost	2010 RESA Cost	2010 ECA Cost	2010 Total Cost	2010 Adjusted	2010
632000	Biomass/LT	WM Renewable Energy, LLC	WM Renewable Energy	$ 1,037,649.00		$ 1,037,649.00	$ 1,037,649.00		$ 1,037,649.00
632200	Hydro	City of Boulder	75th St.	$ (99,589.00)		$ (99,589.00)	$ (99,589.00)		$ (99,589.00)
632200	Hydro	City of Boulder	Betasso/Silverlake	$ 1,962,059.00		$ 1,962,059.00	$ 1,962,059.00		$ 1,962,059.00
632200	Hydro	City of Boulder	Kohler	$ 34,481.00		$ 34,481.00	$ 34,481.00		$ 34,481.00
632200	Hydro	City of Boulder	Maxwell	$ 28,844.00		$ 28,844.00	$ 28,844.00		$ 28,844.00
632200	Hydro	City of Boulder	Orodell	$ 28,048.00		$ 28,048.00	$ 28,048.00		$ 28,048.00
632200	Hydro	City of Boulder	Sunshine	$ 169,335.00		$ 169,335.00	$ 169,335.00		$ 169,335.00
632200	Hydro	Eric R. Jacobson	Bridal Veil	$ 89,376.00		$ 89,376.00	$ 89,376.00		$ 89,376.00
632200	Hydro	Eric R. Jacobson	Ouray	$ 105,256.00		$ 105,256.00	$ 105,256.00		$ 105,256.00
632200	Hydro	Redlands Water and Power Company	Redlands	$ 198,900.00		$ 198,900.00	$ 198,900.00		$ 198,900.00
632200	Hydro	STS Hydropower, Ltd.	STS - Mt. Elbert	$ 172,707.00		$ 172,707.00	$ 172,707.00		$ 172,707.00
632200	Hydro	Upper Yampa Water Conservancy District	Stagecoach	$ 98,571.00		$ 98,571.00	$ 98,571.00		$ 98,571.00
				$ 3,825,637.00		**$ 3,825,637.00**	**$ 3,825,637.00**		**$ 3,825,637.00**
632000	Hydro/not QF	City of Boulder	BOULDER	$ 253,074.00		$ 253,074.00	$ 253,074.00		$ 253,074.00
632000	Hydro/not QF	Denver Water Board	Dillon Dam	$ 411,090.00		$ 411,090.00	$ 411,090.00		$ 411,090.00
632000	Hydro/not QF	Denver Water Board	Foothills	$ 456,960.00		$ 456,960.00	$ 456,960.00		$ 456,960.00
632000	Hydro/not QF	Denver Water Board	Gross Reservoir	$ 1,315,964.00		$ 1,315,964.00	$ 1,315,964.00		$ 1,315,964.00
632000	Hydro/not QF	Denver Water Board	Hillcrest	$ 484,097.00		$ 484,097.00	$ 484,097.00		$ 484,097.00
632000	Hydro/not QF	Denver Water Board	Roberts Tunnel	$ 974,263.00		$ 974,263.00	$ 974,263.00		$ 974,263.00
632000	Hydro/not QF	Denver Water Board	Strontia Springs	$ 366,140.00		$ 366,140.00	$ 366,140.00		$ 366,140.00
				$ 4,261,588.00		**$ 4,261,588.00**	**$ 4,261,588.00**		**$ 4,261,588.00**
634500	Solar	Greater Sandhill I, LLC	SNDHL	$ 877,254.00	$ 505,329	$ 371,925.00	$ 877,254.00	$ (48,463)	$ 925,717.00
634500	Solar	Miscellaneous Retail Solar Purchases	Miscellaneous Retail So	$ 234,615.00		$ 234,615.00	$ 234,615.00		$ 234,615.00
634500	Solar	SunEAlamosa	SunEAlamosa	$ 3,859,147.00	$ 2,111,218	$ 1,747,929.00	$ 3,859,147.00	$ 2,106,354	$ 1,752,793.00
			Total Solar Costs	**$ 4,971,016.00**	**$ 2,616,547.00**	**$ 2,354,469.00**	**$ 4,971,016.00**	**$ 2,057,891.00**	**$ 2,913,125.00**
634000	Wind	Cedar Creek	CdrCrk	$ 41,485,637.00		$ 41,485,637.00	$ 41,485,637.00		$ 41,485,637.00
634000 632000	Wind	Foote Creek III, LLC	LT FootCreek Wind	$ 4,082,451.00		$ 4,082,451.00	$ 4,082,451.00		$ 4,082,451.00
634000	Wind	Logan	Logan	$ 25,490,868.00		$ 25,490,868.00	$ 25,490,868.00		$ 25,490,868.00
634000	Wind	National Renewable Energy Laboratory	National Renewable En	$ 1,617.00		$ 1,617.00	$ 1,617.00		$ 1,617.00
634000	Wind	Northern CO Wind Energy II	NCoWndII	$ 3,987,500.00	$ 661,466	$ 3,326,034.00	$ 3,987,500.00	$ 595,977	$ 3,391,523.00
634000	Wind	Northern Colorado Wind Farm	NCoWnd	$ 22,410,414.00	$ 2,653,962	$ 19,756,452.00	$ 22,410,414.00	$ 2,192,679	$ 20,217,735.00
634000	Wind	PacifiCorp	COLOGREEN	$ 19,879,670.00		$ 19,879,670.00	$ 19,879,670.00		$ 19,879,670.00
634000	Wind	Peetz Table	Peetz Table	$ 27,359,173.00		$ 27,359,173.00	$ 27,359,173.00		$ 27,359,173.00
634000	Wind	Ponnequin	PONN	$ 588,798.00	$ 452,481	$ 136,317.00	$ 588,798.00	$ 452,621	$ 136,177.00
634000	Wind	Ridge Crest Wind Partners, LLC	RIDGECREST	$ 3,556,077.00	$ 192,061	$ 3,364,016.00	$ 3,556,077.00	$ 191,780	$ 3,364,297.00
634000	Wind	Siemens Energy, Inc.	Siemens Energy, Inc.	$ 1,798.00		$ 1,798.00	$ 1,798.00		$ 1,798.00
634000	Wind	Spring Canyon Energy LLC (Invenergy)	SprCanWind	$ 7,672,272.00		$ 7,672,272.00	$ 7,672,272.00		$ 7,672,272.00
634000	Wind	Twin Buttes	TWNBTS	$ 10,691,420.00		$ 10,691,420.00	$ 10,691,420.00		$ 10,691,420.00
				$ 167,207,695.00	**$ 3,959,970.00**	**$ 163,247,725.00**	**$ 167,207,695.00**	**$ 3,433,057.00**	**$ 163,774,638.00**
			Ponnequin Owned	$ 4,976,351.00	$ 2,460,146	$ 2,516,205.00	$ 4,976,351.00	$ 2,509,931	$ 2,466,420.00
			Total Wind Costs	**$ 172,184,046.00**	**$ 6,420,116.00**	**$ 165,763,930.00**	**$ 172,184,046.00**	**$ 5,942,988.00**	**$ 166,241,058.00**
			Total Wind and Solar Costs	**$ 177,155,062.00**	**$ 9,036,663.00**	**$ 168,118,399.00**	**$ 177,155,062.00**	**$ 8,000,879.00**	**$ 169,154,183.00**
	Onsite	Avoided Costs							
	Onsite	Common to All Programs			$ (984,996)	$ 984,996.00		$ (6,072,954)	$ 6,072,954
	Onsite	Customer Sited Solar < 10 kW		$ 37,733,050.00	$ 37,733,050		$ 37,733,050.00	$ 37,733,050	
	Onsite	Customer Sited Solar >10 kW -500 kW		$ 10,478,467.00	$ 10,478,467		$ 10,478,467.00	$ 10,478,467	
	Onsite	Customer Sited Solar Large RFP		$ 15,241,920.00	$ 15,241,920		$ 15,241,920.00	$ 15,241,920	
	Onsite	Small 3rd Party Developer		$ 3,878,945.00	$ 3,878,945		$ 3,878,945.00	$ 3,878,945	
			Total Onsite Solar	**$ 67,332,382.00**	**$ 66,347,386**	**$ 984,996.00**	**$ 67,332,382.00**	**$ 61,259,428**	**$ 6,072,954.00**
			Total Solar, Wind & Onsite	**$ 244,487,444.00**	**$ 75,384,049.00**	**$ 169,103,395.00**	**$ 244,487,444.00**	**$ 69,260,307.00**	**$ 175,227,137.00**

Total Hydro Biomass	$ 8,087,225.00	2013 Adj. for 2010	$ 1,035,784.00
Total Renewables	**$ 252,574,669.00**	Solar Rewards Adj.	$ 5,087,958.00
			$ 6,123,742.00

Attachment F Adjusted - 2011
Public Service Company of Colorado
Renewables
2012 RES Compliance Report

Account number	Technology	Contract	Generator	2011 Total Cost	2011 RESA Cost	2011 ECA Cost	2011 Total Cost	2011 RESA Cost	2011 ECA Cost
632200	Hydro	City of Boulder	Betasso/Silverlake	$ 1,939,026.00		$ 1,939,026.00	$ 1,939,026.00		$ 1,939,026.00
632200	Hydro	City of Boulder	Kohler	$ 34,007.00		$ 34,007.00	$ 34,007.00		$ 34,007.00
632200	Hydro	City of Boulder	Maxwell	$ 26,575.00		$ 26,575.00	$ 26,575.00		$ 26,575.00
632200	Hydro	City of Boulder	Orodell	$ 15,289.00		$ 15,289.00	$ 15,289.00		$ 15,289.00
632200	Hydro	City of Boulder	Sunshine	$ 173,438.00		$ 173,438.00	$ 173,438.00		$ 173,438.00
632200	Hydro	Eric R. Jacobson	Bridal Veil	$ 53,626.00		$ 53,626.00	$ 53,626.00		$ 53,626.00
632200	Hydro	Eric R. Jacobson	Ouray	$ 4,409.00		$ 4,409.00	$ 4,409.00		$ 4,409.00
632200	Hydro	Orchard Mesa Grand Valley	Orchard Mesa Grand Valley	$ -		$ -	$ -		$ -
632200	Hydro	Redlands Water and Power Company	Redlands	$ 181,916.00		$ 181,916.00	$ 181,916.00		$ 181,916.00
632200	Hydro	STS Hydropower, Ltd.	STS - Mt. Elbert	$ 242,072.00		$ 242,072.00	$ 242,072.00		$ 242,072.00
632200	Hydro	Upper Yampa Water Conservancy Dis	Stagecoach	$ 171,953.00		$ 171,953.00	$ 171,953.00		$ 171,953.00
				$ 2,842,311.00		**$ 2,842,311.00**	**$ 2,842,311.00**		**$ 2,842,311.00**
632000	Hydro/not QF	City of Boulder	BOULDER	$ 288,687.00		$ 288,687.00	$ 288,687.00		$ 288,687.00
632000	Hydro/not QF	Denver Water Board	Dillon Dam	$ 622,209.00		$ 622,209.00	$ 622,209.00		$ 622,209.00
632000	Hydro/not QF	Denver Water Board	Foothills	$ 458,728.00		$ 458,728.00	$ 458,728.00		$ 458,728.00
632000	Hydro/not QF	Denver Water Board	Gross Reservoir	$ 1,621,465.00		$ 1,621,465.00	$ 1,621,465.00		$ 1,621,465.00
632000	Hydro/not QF	Denver Water Board	Hillcrest	$ 470,709.00		$ 470,709.00	$ 470,709.00		$ 470,709.00
632000	Hydro/not QF	Denver Water Board	Roberts Tunnel	$ 1,306,098.00		$ 1,306,098.00	$ 1,306,098.00		$ 1,306,098.00
632000	Hydro/not QF	Denver Water Board	Strontia Springs	$ 372,001.00		$ 372,001.00	$ 372,001.00		$ 372,001.00
632000	Hydro/not QF	Grand Valley Water Users Association	Grand Valley Water Users Asso	$ 204,887.00		$ 204,887.00	$ 204,887.00		$ 204,887.00
632000	Hydro/not QF	Orchard Mesa Irrigation District	Orchard Mesa Irrigation District	$ 204,887.00		$ 204,887.00	$ 204,887.00		$ 204,887.00
632000	Biomass/LT	WM Renewable Energy, LLC	WM Renewable Energy, LLC	$ 1,205,619.00		$ 1,205,619.00	$ 1,205,619.00		$ 1,205,619.00
				$ 6,755,290.00		**$ 6,755,290.00**	**$ 6,755,290.00**		**$ 6,755,290.00**
634500	Solar	Amonix Solar	Amonix Solar	$ 65,106.00	$ 19,390	$ 45,716.00	$ 65,106.00	$ 31,933	$ 33,173.00
634500	Solar	Greater Sandhill I, LLC	SNDHL	$ 6,253,860.00	$ 3,707,111	$ 2,546,749.00	$ 6,253,860.00	$ 3,628,808	$ 2,625,052.00
634500	Solar	Miscellaneous Retail Solar Purchases	Miscellaneous Retail Solar Purc	$ 235,452.00		$ 235,452.00	$ 235,452.00		$ 235,452.00
634500	Solar	SunEAlamosa	SunEAlamosa	$ 3,901,036.00	$ 1,993,680	$ 1,907,356.00	$ 3,901,036.00	$ 1,940,184	$ 1,960,852.00
634500	Solar	Cogentrix of Alamosa	Cogentrix of Ala	$ 28,422.00		$ 28,422.00	$ 28,422.00		$ 28,422.00
634500	Solar	San Luis Solar LLC	San Luis Solar LLC	$ 397,396.00		$ 397,396.00	$ 397,396.00	$ 76,334	$ 321,062.00
634500	Solar	Sun E Solar - TAC Solar	Sun E Solar - TAC Solar	$ 645.00		$ 645.00	$ 645.00		$ 645.00
			Total Solar Costs	**$ 10,881,917.00**	**$ 5,720,181**	**$ 5,161,736.00**	**$ 10,881,917.00**	**$ 5,677,259**	**$ 5,204,658.00**
634000	Wind	Cedar Creek	CdrCrk	$ 43,761,809.00		$ 43,761,809.00	$ 43,761,809.00		$ 43,761,809.00
634000	Wind	Cedar Creek II	Cedar Creek II	$ 19,787,772.00	$ 4,744,981	$ 15,042,791.00	$ 19,787,772.00	$ 4,805,086	$ 14,982,686.00
634000	Wind	Cedar Point Wind, LLC	Cedar Point Wind, LLC	$ 15,291,784.00	$ 6,079,913	$ 9,211,871.00	$ 15,291,784.00	$ 6,080,748	$ 9,211,036.00
634000	Wind	Foote Creek III, LLC	LT FootCreek Wind	$ 5,033,825.00		$ 5,033,825.00	$ 5,033,825.00		$ 5,033,825.00
634000	Wind	Logan	Logan	$ 26,772,905.00		$ 26,772,905.00	$ 26,772,905.00		$ 26,772,905.00
634000	Wind	National Renewable Energy Laborator	National Renewable Energy Lat	$ 54,489.00		$ 54,489.00	$ 54,489.00		$ 54,489.00
634000	Wind	Northern CO Wind Energy II	NCoWndII	$ 4,278,787.00	$ 612,768	$ 3,666,019.00	$ 4,278,787.00	$ 610,779	$ 3,668,008.00
634000	Wind	Northern Colorado Wind Farm	NCoWnd	$ 24,598,098.00	$ 2,172,729	$ 22,425,369.00	$ 24,598,098.00	$ 2,165,398	$ 22,432,700.00
634000	Wind	PacifiCorp	COLOGREEN	$ 18,997,619.00		$ 18,997,619.00	$ 18,997,619.00		$ 18,997,619.00
634000	Wind	Peetz Table	Peetz Table	$ 28,042,101.00		$ 28,042,101.00	$ 28,042,101.00		$ 28,042,101.00
634000	Wind	Ponnequin (Windsource)	PONN	$ 432,861.00	$ 303,898	$ 128,963.12	$ 432,861.00	$ 282,722	$ 150,139.00
634000	Wind	Ridge Crest Wind Partners, LLC	RIDGECREST	$ 3,708,968.00	$ 1,146,817	$ 2,562,151.00	$ 3,708,968.00	$ 181,099	$ 3,527,869.00
634000	Wind	Siemens Energy, Inc.	Siemens Energy, Inc.	$ 139,284.00		$ 139,284.00	$ 139,284.00	$ 56,513	$ 82,771.00
634000	Wind	Spring Canyon Energy LLC (Invenerg	SprCanWind	$ 8,155,108.00		$ 8,155,108.00	$ 8,155,108.00		$ 8,155,108.00
634000	Wind	Twin Buttes	TWNBTS	$ 9,933,550.00		$ 9,933,550.00	$ 9,933,550.00		$ 9,933,550.00
634000	Wind	Alstom Power Inc	Alstom Power Inc	$ 26,069.00		$ 26,069.00	$ 26,069.00		$ 26,069.00
				$ 209,015,029.00	**$ 15,061,106**	**$ 193,953,923.12**	**$ 209,015,029.00**	**$ 14,182,345**	**$194,832,684.00**
			Ponnequin Owned	$ 4,868,444.00	$ 2,992,412	$ 1,876,031.88	$ 4,868,444.00	$ 2,730,625	$ 2,137,819.00
			Total Wind Costs	**$ 213,883,473.00**	**$ 18,053,518**	**$ 195,829,955.00**	**$ 213,883,473.00**	**$ 16,912,970**	**$196,970,503.00**
			Total Wind and Solar Costs	**$ 224,765,390.00**	**$ 23,773,699.00**	**$ 200,991,691.00**	**$ 224,765,390.00**	**$ 22,590,229.00**	**$202,175,161.00**
	Onsite	Avoided Costs			$ (984,996)	$ 984,996		$ (11,040,323)	$ 11,040,323
	Onsite	Common to All Programs							
	Onsite	Customer Sited Solar < 10 kW		$ 11,846,956	$ 11,846,956	$ -	$ 11,846,956	$ 11,846,956	$ -
	Onsite	Customer Sited Solar >10 kW -500 kW		$ 21,484,705	$ 21,484,705	$ -	$ 21,484,705	$ 21,484,705	$ -
	Onsite	Customer Sited Solar Large RFP		$ 28,359,694	$ 28,359,694	$ -	$ 28,359,694	$ 28,359,694	$ -
	Onsite	Small 3rd Party Developer		$ 9,125,326	$ 9,125,326	$ -	$ 9,125,326	$ 9,125,326	$ -
			Total Onsite Solar	**$ 70,816,681**	**$ 69,831,685**	**$ 984,996**	**$ 70,816,681**	**$ 59,776,358**	**$ 11,040,323**
			Total Solar, Wind & Onsite	**$ 295,582,071**	**$ 93,605,384**	**$ 201,976,687**	**$ 295,582,071**	**$ 82,366,587**	**$ 213,215,484**
			Total Hydro Biomass	$ 9,597,601.00					
			Total Renewables	**$ 305,179,672.00**					

		$ 11,238,797
2011 Adj. for 2010		$ 4,153
		$ 11,242,950
Solar Rewards Adj.		$ (10,055,327)
Other		$ (1,187,623)
		$ (11,242,950)

Attachment F Adjusted - 2012
Public Service Company of Colorado
Renewables
2012 RES Compliance Report

Account number	Technology	Contract	Generator	2012 Total Cost	2012 RESA Cost	2012 ECA Cost	Adjusted 2012 Total Cost	Adjusted 2012 RESA Cost	Adjusted 2012 ECA Cost
632200	Hydro	City of Boulder	Betasso/Silverlake	$ 1,389,305.00		$ 1,389,305.00	$ 1,389,305.00		$ 1,389,305.00
632200	Hydro	City of Boulder	Kohler	$ 30,185.00		$ 30,185.00	$ 30,185.00		$ 30,185.00
632200	Hydro	City of Boulder	Maxwell	$ 23,321.00		$ 23,321.00	$ 23,321.00		$ 23,321.00
632200	Hydro	City of Boulder	Orodell	$ 11,340.00		$ 11,340.00	$ 11,340.00		$ 11,340.00
632200	Hydro	City of Boulder	Sunshine	$ 157,568.00		$ 157,568.00	$ 157,568.00		$ 157,568.00
632200	Hydro	Eric R. Jacobson	Bridal Veil	$ 16,021.00		$ 16,021.00	$ 16,021.00		$ 16,021.00
632200	Hydro	Redlands Water and Power Company	Redlands	$ 164,447.00		$ 164,447.00	$ 164,447.00		$ 164,447.00
632200	Hydro	STS Hydropower, Ltd.	STS - Mt. Elbert	$ 161,620.00		$ 161,620.00	$ 161,620.00		$ 161,620.00
632200	Hydro	Upper Yampa Water Conservancy District	Stagecoach	$ 125,733.00		$ 125,733.00	$ 125,733.00		$ 125,733.00
				$ 2,079,540.00		**$ 2,079,540.00**	**$ 2,079,540.00**		**$ 2,079,540.00**
632000	Hydro/not QF	Denver Water Board	Dillon Dam	$ 408,407.00		$ 408,407.00	$ 408,407.00		$ 408,407.00
632000	Hydro/not QF	Denver Water Board	Foothills	$ 435,596.00		$ 435,596.00	$ 435,596.00		$ 435,596.00
632000	Hydro/not QF	Denver Water Board	Gross Reservoir	$ 1,195,768.00		$ 1,195,768.00	$ 1,195,768.00		$ 1,195,768.00
632000	Hydro/not QF	Denver Water Board	Hillcrest	$ 478,789.00		$ 478,789.00	$ 478,789.00		$ 478,789.00
632000	Hydro/not QF	Denver Water Board	Roberts Tunnel	$ 1,404,310.00		$ 1,404,310.00	$ 1,404,310.00		$ 1,404,310.00
632000	Hydro/not QF	Denver Water Board	Strontia Springs	$ 342,010.00		$ 342,010.00	$ 342,010.00		$ 342,010.00
632000	Hydro/not QF	Grand Valley Water Users Association	Grand Valley Water Users Association	$ 159,417.00		$ 159,417.00	$ 159,417.00		$ 159,417.00
632000	Hydro/not QF	Orchard Mesa Irrigation District	Orchard Mesa Irrigation District	$ 159,418.00		$ 159,418.00	$ 159,418.00		$ 159,418.00
632000	Biomass/LT	WM Renewable Energy, LLC	WM Renewable Energy, LLC	$ 1,172,113.00		$ 1,172,113.00	$ 1,172,113.00		$ 1,172,113.00
				$ 5,755,828.00		**$ 5,755,828.00**	**$ 5,755,828.00**		**$ 5,755,828.00**
634500	Solar	Amonix Solar	Amonix Solar	$ 80,189.00	$ 44,994.00	$ 35,195.00	$ 80,189.00	$ 45,270.00	$ 34,919.00
634500	Solar	Greater Sandhill I, LLC	SNDHL	$ 6,353,358.00	$ 4,012,865.00	$ 2,340,493.00	$ 6,353,358.00	$ 4,032,532.00	$ 2,320,826.00
634500	Solar	Miscellaneous Retail Solar Purchases	Miscellaneous Retail Solar Purchases	$ 394,086.00		$ 394,086.00	$ 394,086.00		$ 394,086.00
634500	Solar	Cogentrix of Alamosa	Cogentrix of Ala	$ 8,376,366.00		$ 8,376,366.00	$ 8,376,366.00		$ 8,376,366.00
634500	Solar	San Luis Solar LLC	San Luis Solar LLC	$ 10,728,466.00	$ 7,013,777.00	$ 3,714,689.00	$ 10,728,466.00	$ 7,048,151.00	$ 3,680,315.00
634500	Solar	SunEAlamosa	SunEAlamosa	$ 3,853,335.00	$ 1,813,224.00	$ 2,040,111.00	$ 3,853,335.00	$ 2,088,516.00	$ 1,764,819.00
634500	Solar	Sun E Solar - TAC Solar	Sun E Solar - TAC Solar	$ 28,798.00	$ 17,048.00	$ 11,750.00	$ 28,798.00	$ 17,131.00	$ 11,667.00
			Total Solar Costs	**$ 29,814,598.00**	**$ 12,901,908.00**	**$ 16,912,690.00**	**$ 29,814,598.00**	**$ 13,231,600.00**	**$ 16,582,998.00**
634000	Wind	Alstom Power Inc	Alstom Power Inc	$ 50,063.00	$ 13,194.00	$ 36,869.00	$ 50,063.00	$ -	$ 50,063.00
634000	Wind	Cedar Creek	CdrCrk	$ 40,426,552.00		$ 40,426,552.00	$ 40,426,552.00		$ 40,426,552.00
634000	Wind	Cedar Creek II	Cedar Creek II	$ 37,555,033.00	$ 17,091,571.00	$ 20,463,462.00	$ 37,555,033.00	$ 17,124,294.00	$ 20,430,739.00
634000	Wind	Cedar Point Wind, LLC	Cedar Point Wind, LLC	$ 52,459,104.00	$ 27,756,074.00	$ 24,703,030.00	$ 52,459,104.00	$ 27,892,107.00	$ 24,566,997.00
634000	Wind	Foote Creek III, LLC	LT FootCreek Wind	$ 3,516,629.00		$ 3,516,629.00	$ 3,516,629.00		$ 3,516,629.00
634000	Wind	Gamesa Wind US, LLC	Gamesa Wind US, LLC	$ 16,625.00	$ 1,012.00	$ 15,613.00	$ 16,625.00	$ -	$ 16,625.00
634000	Wind	Limon I	Limon I	$ 3,165,185.00	$ 303,443.00	$ 2,861,742.00	$ 3,165,185.00	$ 331,622.00	$ 2,833,563.00
634000	Wind	Limon II	Limon II	$ 1,979,121.00	$ (159,492.00)	$ 2,138,613.00	$ 1,979,121.00	$ (141,855.00)	$ 2,120,976.00
634000	Wind	Logan	Logan	$ 27,612,212.00		$ 27,612,212.00	$ 27,612,212.00		$ 27,612,212.00
634000	Wind	National Renewable Energy Laboratory	National Renewable Energy Laboratory	$ 33,979.00	$ 14,414.00	$ 19,565.00	$ 33,979.00	$ -	$ 33,979.00
634000	Wind	Northern CO Wind Energy II	NCoWndII	$ 4,086,175.00	$ 601,270.00	$ 3,484,905.00	$ 4,086,175.00	$ 718,291.00	$ 3,367,884.00
634000	Wind	Northern Colorado Wind Farm	NCoWnd	$ 23,629,413.00	$ 2,025,645.00	$ 21,603,768.00	$ 23,629,413.00	$ 2,733,248.00	$ 20,896,165.00
634000	Wind	PacifiCorp	LT PAC Foote Creek	$ 1,115,008.00		$ 1,115,008.00	$ 1,115,008.00		$ 1,115,008.00
634000	Wind	PacifiCorp	COLOGREEN	$ 20,291,089.00		$ 20,291,089.00	$ 20,291,089.00		$ 20,291,089.00
634000	Wind	Peetz Table	Peetz Table	$ 29,236,935.00		$ 29,236,935.00	$ 29,236,935.00		$ 29,236,935.00
634000	Wind	Ponnequin (Windsource)	PONN	$ 337,913.00		$ 337,913.00	$ 337,913.00	$ 390,968.00	$ (53,055.00)
634000	Wind	Ridge Crest Wind Partners, LLC	RIDGECREST	$ 3,832,793.00	$ 1,689,853.00	$ 2,142,940.00	$ 3,832,793.00	$ 1,698,134.00	$ 2,134,659.00
634000	Wind	Siemens Energy, Inc.	Siemens Energy, Inc.	$ 128,501.00	$ 61,033.00	$ 67,468.00	$ 128,501.00	$ 63,624.00	$ 64,877.00
634000	Wind	Spring Canyon Energy LLC (Invenergy)	SprCanWind	$ 8,019,632.00		$ 8,019,632.00	$ 8,019,632.00		$ 8,019,632.00
634000	Wind	Twin Buttes	TWNBTS	$ 10,990,235.00		$ 10,990,235.00	$ 10,990,235.00		$ 10,990,235.00
				$ 268,482,197.00	**$ 49,398,017.00**	**$ 219,084,180.00**	**$ 268,482,197.00**	**$ 50,810,433.00**	**$ 217,671,764.00**
	Wind	Ponnequin Owned PPA	PONN	$ 5,205,618.00	$ 4,788,838.00	$ 416,780.00	$ 5,205,618.00	$ 4,456,396.00	$ 749,222.00
			Total Wind Costs	**$ 273,687,815.00**	**$ 54,186,855.00**	**$ 219,500,960.00**	**$ 273,687,815.00**	**$ 55,266,829.00**	**$ 218,420,986.00**
			Total Wind and Solar Costs	**$ 303,502,413.00**	**$ 67,088,763.00**	**$ 236,413,650.00**	**$ 303,502,413.00**	**$ 68,498,429.00**	**$ 235,003,984.00**
	Onsite	Avoided Costs		$ -	$ (984,996.00)	$ 984,996.00	$ -	$ (10,860,983.00)	$ 10,860,983.00
	Onsite	Common to All Programs		$ -		$ -	$ -		$ -
	Onsite	Customer Sited Solar < 10 kW		$ 4,944,562.56	$ 4,944,562.56	$ -	$ 4,944,562.56	$ 4,944,562.56	$ -
	Onsite	Customer Sited Solar >10 kW -500 kW		$ 7,282,652.20	$ 7,282,652.20	$ -	$ 7,282,652.20	$ 7,282,652.20	$ -
	Onsite	Customer Sited Solar Large RFP		$ 8,398,393.45	$ 8,398,393.45	$ -	$ 8,398,393.45	$ 8,398,393.45	$ -
	Onsite	Small 3rd Party Developer		$ 2,967,800.34	$ 2,967,800.34	$ -	$ 2,967,800.34	$ 2,967,800.34	$ -
			Total On Site Solar	**$ 23,593,408.55**	**$ 22,608,412.55**	**$ 984,996.00**	**$ 23,593,408.55**	**$ 12,732,425.55**	**$ 10,860,983.00**
			Total Solar, Wind & Onsite	**$ 327,095,821.55**	**$ 89,697,175.55**	**$ 237,398,646.00**	**$ 327,095,821.55**	**$ 81,230,854.55**	**$ 245,864,967.00**

Total Hydro Biomass	$ 7,835,368.00	
Total Renewables	**$ 334,931,189.55**	

Adjustment	$ 8,466,321.00	
2013 Adj. for 2012	$ 406,599.00	
	$ 8,872,920.00	
Solar Rewards Adj.	$ (9,875,987.00)	
Other	$ 1,003,067.00	
	$ (8,872,920.00)	

I. INTRODUCTION

In Commission Decision No. C11-1080 approving the Company's 2010 RES Compliance Plan, the Company was directed to provide in its future RES compliance plan reports a comparison between the forecasted and the actual incremental costs of eligible energy resources assessed against the Renewable Energy Standard Adjustment ("RESA") deferred account. The Company was also directed to explain any significant deviations between the Company's forecasted and actual incremental costs. This Attachment G is being provided in compliance with this requirement.

Two attachments to this report are the primary focus of this Attachment G: Attachment D and Attachment F. Attachment D of this report generally presents the differences between the forecasted incremental costs set forth in Table 7-3 in the 2012 RES Compliance Plan as filed and the actual incremental costs. Attachment D is a RESA cost view only; it shows the total incremental costs of all eligible energy resources that are charged to the RESA deferred account.

Attachment F of this report shows the total costs of all renewable resources allocated between the ECA and the RESA as required by Decision Nos. R12-0261 and C12-0606. For purposes of this 2012 Report, the need to perform certain adjustments as the result of the Company's investigation of the accounting entries used to allocate costs between the RESA and the ECA deferred accounts explains some of the most significant differences between the forecasted and the actual incremental costs of eligible energy resources assessed against the RESA deferred account

II. Company Investigation and Actual Cost Adjustment

In order to adequately describe the Company's investigation and the resulting accounting adjustments, some background is needed concerning how the ECA and the RESA are used to account for the incremental costs of eligible energy resources.

A. Rule 3661, RESA and ECA Accounting and Monthly RESA Reports

In accordance with Rule 3661, the RESA is only charged the incremental costs of the eligible energy resources on our system. Rule 3661 details the architecture for how we are to use our computer models to determine the difference in costs between two alternative scenarios of electric resources. The first scenario ("RES Plan") includes the eligible energy resources we propose to acquire. The second scenario (the "No RES Plan") removes the eligible energy resources we propose to acquire and replaces them with those reasonably available non-renewable resources necessary to replace the eligible energy resources so that the Company can meet its capacity and energy requirements. The cost difference between these two model runs equals the incremental costs of the renewable energy we propose to acquire. These incremental costs are allocated to the RESA. The costs calculated as part of the No RES model run are considered "Avoided Energy Costs" and are allocated to the ECA. These costs are considered "avoided" because our acquisition of generation produced from eligible energy resources permits us to avoid, to some extent, acquiring generation from new non-renewable resources, such as additional gas-fired capacity (either combustion turbine or combined cycle generation), and/or re-dispatching existing resources to satisfy the energy needs of the system.

The process outlined above generally describes the manner in which the costs of energy -- including the incremental costs of eligible energy resources -- are calculated and the accounts to which those costs are ultimately charged. However, the accounting process used to ensure that the proper costs are allocated between the RESA and the ECA requires further explanation. That process is described in Section IV of the Introduction to this 2012 RES Compliance report and is incorporated into this Attachment G by reference.

Each month the Company submits to the Commission a "Monthly RESA Report." The Monthly RESA Report sets forth, among other things, all of the incremental costs for eligible energy resources that are charged to the RESA. These incremental costs charged to the RESA are set forth within the "Summary" tab of the Monthly RESA Report. The monthly "Incremental Costs" of the eligible energy resources acquired under the Solar*Rewards® programs is set forth under the heading "Expenditure by Type".

The Solar*Rewards® portion of the Monthly RESA Report also specifies the total -- not just incremental -- costs of each Solar*Rewards® program by program size. The total costs are the annual REC and rebate costs for the entire Solar*Rewards® program. These total costs are set forth in the "Summary" Tab but are also detailed in the Monthly RESA Report in separate Tabs for the small, medium and large programs. The total monthly incremental costs charged to the RESA is also set forth in the Summary page of the Monthly RESA Report.

B. Company Investigation

On March 15, 2012, the Company's internal audit team issued an audit report concerning, among other things, the Company's RESA expenditures. After its review our internal auditors questioned that the Avoided Energy Costs for the Solar*Rewards® program were not updated accurately during the audit period, which was July 1, 2010 to October 31, 2011. Thus, although the Company had timely performed the transfers between the ECA and the RESA to pay for its acquisitions under the Solar*Rewards® and Solar*Rewards® Community programs, the Company had not used the correct "avoided energy cost" factors when calculating the "Avoided Energy Cost" amount to be transferred from the RESA to the ECA. The internal auditors also found that no formal process existed to provide Regulatory Accounting with the appropriate avoided cost factors for the resources acquired under the Solar*Rewards® program.

The response of the Company's management to this audit finding was to assemble a team from multiple departments to: 1) investigate and determine why Regulatory Accounting had not been provided with the appropriate avoided cost factors for these resources; 2) develop processes to be used on a going forward basis to ensure that Regulatory Accounting is provided with the appropriate avoided cost factors in the future; and, 3) to correct the avoided cost calculations for the Solar*Rewards® programs. The team completed these tasks last month. In addition, the team thoroughly investigated and reviewed all incremental costs charged to the RESA for all applicable eligible energy resources for the time period from 2010 to 2012.

The adjustments the team made as part of its investigation of the accounting for the 2012 Compliance Year are as follows:

1. Incremental Costs for SunE Alamosa and Northern Colorado Wind I and II

In the 2012 RES Compliance Plan, Table 7-5 of Volume II provides the incremental costs by resource on a $/MWh basis. These incremental costs are then applied to the production from those plants to derive the costs that are ultimately charged to the RESA. As part of its investigation and in preparing this 2012 RES Compliance Report, the Company discovered that because a surplus capacity credit was improperly added for these resources, the incremental costs used for SunE Alamosa and Northern Colorado Wind I and II were incorrect for the 2012 Compliance year. Attachment F RESA Adjusted 2012 provides the amount of costs charged to the ECA and RESA. The amount of the adjustment for these three resources is shown on the far right of Attachment F RESA Adjusted 2012.

2. Verification and Correction of Volumes of All Resources that Impact the RESA

The team reviewed and corrected the volumes of all resources whose incremental costs impact the RESA for 2010 through 2012. The cost adjustments related to these corrected and verified volumes are also reflected on Attachment F Adjusted 2010, Attachment F Adjusted 2011 and Attachment F Adjusted 2012.

3. Incremental Costs of 3 Small Wind Resources Incorrectly Charged to the RESA

Three small wind resources -- NREL Wind, Alstom Wind, and Gamesa Wind turbines installed at the NREL National Wind Technology Center were incorrectly charged to the RESA in 2012. Because the Company does not receive the RECs

associated with the production of these three resources, they do not contribute to its compliance with the RES and their costs should not be charged to the RESA but should be charged to the ECA. The adjustment to the RESA to reflect the removal of the costs of these three resources is reflected in Attachment F Adjusted 2012

4. RESA Charged for A Full 20 Years of Incremental Costs Attributable to Solar*Rewards® On-Site Solar Systems in the Year the Systems Were Installed

Prior to 2011, customers that installed on-site solar systems installed as part of the Solar*Rewards® program were paid rebates and REC payments up front. The team discovered that as a result of this fact, the Company charged all 20 years worth of the energy costs attributable to these systems to the RESA in the year the system was installed, although the RECs attributable to these systems are accrued over the full 20 year period. At the time that these costs were recognized in the RESA balance, annual transfers between the RESA and the ECA in the amount of the Avoided Energy Costs attributable to these systems began. However, although the transfers occurred, the correct amount of Avoided Energy Costs were not transferred from the RESA to the ECA. In order to make this adjustment, the Company will transfer the monthly avoided energy cost from the RESA deferred account to the ECA deferred account using the production of these systems over their 20 year term. All of these adjustments are detailed in Attachment E 2010, Attachment E 2011, Attachment E 2012 and Attachment F Renewable Costs Adjusted 2010, Attachment F RESA Adjusted 2011, and Attachment F RESA Adjusted 2012.

5. The Avoided Costs Attributable to the Resources Acquired Under the Solar*Rewards® Programs in 2009 and Before Should be Transferred from the RESA to the ECA.

The team discovered that for on-site solar systems installed in 2010 and before, the "Avoided Energy Costs" attributable to those systems was not transferred to the ECA. The necessary adjustment to account for this issue is complicated somewhat by the fact that as a result of a previous Commission Decision, there are three lock down periods that apply to systems installed under the Solar*Rewards® program, depending upon when the system was installed. The three lock down period are: 1) systems installed prior to 2009; 2) systems installed January 1 – September 2009; and, 3) systems I installed October 1, 2009 and beyond. The Avoided Energy Costs applicable to these three lock down periods have been used to re-calculate the annual avoided energy cost transfers from the ECA to the RESA. These transfers are reflected in Attachments E 2010 through 2012.

Prior to the investigation, the Solar*Rewards® "Avoided Energy Costs" transferred from the RESA to the ECA in 2012 was $984,996. As the result of the investigation, the Company has discovered that the total "Avoided Energy Costs" for the Solar*Rewards® program that should have been transferred from the RESA to the ECA for 2012 was $10,860,983 million. Offsetting this adjustment is the fact that the remaining adjustments described above, which are associated with the verification of the costs of eligible energy resources other than those acquired under the Solar*Rewards® program, require that the RESA be charged an additional $1,409,666 million in incremental costs for 2012. As a part of normal accounting

practices, adjustments are periodically made to the general ledger as a result of prior period entries. A 2012 accounting adjustment was recorded in 2013 of $406,599. The net result of these calculations is that for 2012 the RESA was over-charged by $8,872,920 in 2012, while the ECA was under charged by this same amount.

Similar adjustments for 2010 and 2011 are reflected in Attachments E and F for the corresponding years. The net result of all of these adjustments is that between 2010 and 2012, the RESA was over-charged by $26.2 million while the ECA was under charged by this same amount for those years.

The corrections discussed above have been incorporated into the calculations used for administering the ECA and RESA cost recovery allocation for 2013.[1]

III. Variance Between Forecast and Actual RESA Costs in Attachment D

The below comparison of actual costs to forecasted costs are based upon the updated costs as discussed above.

A. Column A - New On-Site Solar Costs

Column A of Attachment D is labeled New On-site Solar Costs. This column reflects the Company's expenditures on its Solar*Rewards® on-site solar program for systems installed after September 30, 2009. The difference between the forecasted expenditures for 2012 and the actual expenditures for 2012 are attributable to the fact that the Company acquired less on-site solar through its Solar*Rewards® program than it originally forecasted. The Company forecasted

[1] In addition, all resources except Solar*Rewards® reflect the annual Retail Jurisdictional Allocation (RJA). The RJA or the retail customer's share of certain renewable costs are charged on an estimated basis for each calendar and reconciled when total annual sales are known. For the 2012 RES Report the actual RJA was used.

that it would spend $24.14 million to acquire 72 MWs of capacity. The actual acquisition of on-site solar in 2012 was 32 MWs.

The reasons for the difference are that the Company prepared its 2012 RES Compliance Plan forecast in 2011 after the Commission approved the Solar*Rewards® settlement in Decision No. C11-0304 in Docket No. 11A-135E. The Company anticipated all of the applications submitted during the settlement period would result in completed systems. In fact, almost 40% of the applications accepted from that period did not result in completed systems.

B. Column B - New Central Solar Costs

Column B labeled New Central Solar Costs also reflects a difference between modeled and actual costs. The Company anticipated spending $21.2 million to acquire new central solar resources in 2012; however, it only spent $17.1 million. $3.9 million of the $4.1 million difference can be explained by the fact that when the forecast was developed, SunE Alamosa was erroneously included as a new resource in the modeling. SunE Alamosa is not a new resource; it was acquired prior to 2012 and locked down in the 2009 RES Plan in Docket No. 08A-532E. The solar projects that should be and are now included in this cost category are the Greater Sandhill project, Amonix Solar, SunE Solar TAC facility and the San Luis Valley Solar project.

The remaining $200,000 difference between forecasted and actual costs is due to small corrections to the volumes for other resources. Though the total costs for new eligible energy resources were not forecasted correctly, the incremental

costs for SunE were modeled correctly. The adjustment has no impact on the RESA expenditures or revenues.

C. Column C - New Wind Energy Costs

Column C labeled New Wind Costs reflects a difference in costs of $102.9 million forecasted *vs.* $104.7 million actual, resulting in a total difference of $1.8 million. Although the $1.5 million is not significant, one key factor does explain the difference in costs. Limon II was not included in the forecast for the 2012 RES Plan although it did generate in 2012. The total cost of the Limon II generation was $1.9 million.

D. Column D - New Total Renewable Energy Costs

Column D labeled New Total Renewable Energy Cost simply totals the numbers set forth in Columns A through C. The differences between the actual and forecasted costs reflected in Column D are explained in the narratives set forth above concerning Columns A through C.

E. Column H - REC Margins/Carbon Offsets

Column H labeled REC Margins/Carbon Offsets reflect the customers' share of the margins generated from the selling of RECs. In 2011 our forecast contemplated that most of the customers' share of the margins from REC sales would be used to acquire Section 123 resources, and would not otherwise be credited to the RESA. In May 2011, after the Company had forecasted the REC margins and carbon offset credits for the 2012 RES Plan, the Commission approved a modification to the settlement in the REC Trading Docket which directed that REC margins reserved for the acquisition of Section 123 resources be transferred to the

RESA. See Decision No. C11-0573 in Docket No. 09A-602E. In Decision C12-0294 in Docket No. 11A-510E, the Commission approved the Company's request to move the carbon offset funds to the RESA. The amount shown in Columns G and H reflects the transfer of REC margins and carbon offset funds to the RESA deferred account of approximately $45.9 million in 2012.

F. Column I - Total RESA Revenue

The difference between actual and forecasted Total RESA Revenue reflected in Column I is primarily due to the addition of the REC margins and carbon offsets funds described above and reflected in Column H.

G. Column K - Incremental Costs

Column K reflects the RESA costs associated with the acquisition of new renewable resources from October 1, 2009 to present. The incremental costs of these new resources have not been locked down in a RES Plan. Column K includes the RESA share of the costs for all new renewable energy resources including on-site solar, central solar and wind resources. We originally forecast that these incremental costs would total $85 million in 2012. The actual costs for Column K are $75.3 million for 2012.

Three resources accounted for the bulk of the $9.6 million difference between the forecasted incremental cost and the actual incremental cost. Cedar Creek II is a large wind facility and had an incremental cost $2.6 million less than was forecasted. This was due to a decrease in volume. The forecasted volume was 845,236 MWhs and the actual volume was only 790,081 MWhs.

Another wind generator Cedar Point accounted for $2.8 million of the difference. Again this was due to the fact that the volume forecasted for this facility was 882,851 MWhs while the actual volume was only 867,710 MWhs. The other large contributor to the difference was the incremental cost of new solar. As set forth in the discussion of Column A – New On-Site Solar Costs, the Company forecasted that it would acquire 72 MW of on-site solar but only acquired 32 MWs. The difference in incremental cost was over $3 million. The total Incremental difference between the forecast and actual for the three resources adds up to $8.4 of the $9.6 million difference in costs. The other $1.2 million difference was due to small differences between the forecasted and actual volumes of the other resources.

H. Column L - Ongoing Incremental Costs

Table 7-3 of the 2012 RES Compliance Plan forecast that the ongoing incremental costs of eligible energy resources would be $5.2 million. The actual ongoing incremental costs were approximately $5.9 million as shown in Attachment D.

During its investigation, the team discovered the need to perform an adjustment to the calculation of the on-going incremental costs for 2012. This adjustment resulted in a 1.8 million increase in the modeled ongoing incremental costs for 2012. Thus, the forecast of ongoing incremental costs of eligible energy resources set forth in Table 7-3 of the 2012 RES Compliance should have been $7.0 million.

The difference between the actual ongoing incremental costs of $5.9 million and the corrected forecast of $7.0 million can be explained as follows.

Approximately half of the difference -- over $500,000 -- was due to the fact that the actual costs to acquire the onsite solar RECs and energy from the Solar*Rewards locked down acquisitions from 2006-2008 was less than forecast. This grouping of acquisitions is shown as Group A in the Attachment D. The total cost of the Group A resources in 2012 was less than the incremental costs that were forecasted when the Group A incremental costs were locked down in 2009. Using actual total costs and the Commission approved modeled avoided costs, the incremental costs for Group A were over $500,000 lower than the modeled or forecasted costs.

Another difference that contributed to the over $1 million difference was SunE Alamosa. The total locked down incremental costs of SunE Alamosa used in the model was $2.25 million. The actual incremental costs of SunE Alamosa -- adjusted for the retail jurisdictional allocation (RJA) which is our wholesale customers' share of eligible energy resources on our system -- was $150,000 less for a total of $2.1 million in actual incremental costs. Thus $150,000 less in incremental costs was actually charged to the RESA than we originally forecast. These two resources accounted for almost $700,000 of the $1.1 million difference between the ongoing modeled incremental costs and the actual ongoing incremental costs of this resource. The rest of the difference is split between Northern Colorado Wind I & II and the Solar*Rewards® acquisitions locked down from January 1 – September 30, 2009 incremental costs. The differences were caused by minor differences between the actual and modeled volumes of these resources.

I. Column N - Annual Deficiency

Column N labeled Annual Deficiency reflects the actual and forecasted amounts of the annual deficiency in the RESA balance. This Column simply reflects the difference between Column I - Total RESA Revenues minus the amounts in Columns J through M (RESA Related Expenditures)

The difference between the actual and the forecasted amounts in Column N can be explained by two key factors. First, $2 million less in RESA revenue was collected from our customers than we originally forecast. However, we also transferred $35.8 million more in REC margins and $7.2 million in Carbon Offset Funds into the RESA. These REC margins and Carbon Offset Funds were not included in our 2012 forecast. As a result, $40.7 million more revenues were deposited into the RESA account than the Company projected as part of the 2012 RES Compliance Plan.

Also, the actual incremental costs assessed against the RESA were less than forecasted. See Column K labeled Incremental Costs plus Column L labeled Ongoing Incremental Costs and the narrative above concerning these Columns. The result was $9 million less in annual incremental costs being charged to the RESA than the Company originally forecast in 2012.

J. Column Q - Rolling Balance

The total shown on Attachment D reflects the actual costs as compared to the forecasted costs, and does not include the adjustments for 2010 and 2011 detailed above. The differences described above result in a year end balance to the RESA

of ($36 million) which is $46 less than that forecasted as part of the 2012 RES Compliance Plan.

Attachment H

A portion of this attachment has been deemed Highly Confidential and filed under seal with the Colorado Public Utilities Commission.

Attachment H
Public Serivce Company of Colorado
2012 Solar*Rewards Community Project List
2012 Renewable Energy Standard Compliance Report

Standard Offer Program

	Developer	Street	City	County	kW
	Clean Energy Collective	10200 Smith Road	Denver	Denver	500
	Clean Energy Collective	7581 E Academy Blvd.	Denver	Denver	400
	Clean Energy Collective	Candelas (exact TBD)	Arvada	Jefferson	108
	Clean Energy Collective	1600 66th St	Boulder	Boulder	500
	Clean Energy Collective	710 Wellington Rd	Breckenridge	Summit	500
	Clean Energy Collective	13920 CO Highway 9	Breckenridge	Summit	500
	Clean Energy Collective	4250 Hudson Mile Road	Aurora	Arapahoe	497
	Community Energy Solar, LLC	760 East County Line Road Parcel Number 146536000054	Lafayette	Boulder	499
	Solar Power Financial	46231 County Rd. X	Saguache	Saguache	497
	Community Energy Solar, LLC	710 East County Line Road Parcel Number 146536000031	Lafayette	Boulder	499

RFP Program

	Developer	Street	City, State, Zip	County	kW
	Clean Energy Collective	Candelas Filing 1, Block 1, Tract A1	Arvada	Jefferson	571
	Ecoplexus, Inc.	12101 Highway 61	Sterling	Logan	1997
	Ecoplexus, Inc.	510 24 Road	Clifton	Mesa	1997

PUBLIC Attachment H
Public Serivce Company of Colorado
2012 Solar*Rewards RFP Bidder List
2012 Renewable Energy Standard Report

Bid #	Developer	Customer	Street	City, State, Zip	REC Price	kW	Estimated Completion Date	Awarded?
1	REC Solar Inc.	[redacted]	[redacted]	[redacted]	[redacted]	623	7/22/2013	yes
2	Oak Leaf	[redacted]	[redacted]	[redacted]	[redacted]	2000	11/28/2013	yes
3	Oak Leaf	[redacted]	[redacted]	[redacted]	[redacted]	2000	11/28/2013	no
4	Martifer Solar	[redacted]	[redacted]	[redacted]	[redacted]	789.36	7/1/2013	no
5	Aerospace Data Facility	[redacted]	[redacted]	[redacted]	[redacted]	1501	1/31/2014	no
6	Ecoplexus	[redacted]	[redacted]	[redacted]	[redacted]	1997	7/31/2013	no