2020 RENEWABLE ENERGY STANDARD COMPLIANCE REPORT

CONTENTS

STATEMENT OF RES COMPLIANCE & INTRODUCTION

Public Service Company of Colorado ("Public Service" or the "Company") is pleased to report that the Company is in compliance with the Colorado 2020 Renewable Energy Standard ("RES"). For 2020, the RES required that 30 percent of the Company's electric energy sales be served from renewable energy[1], with 3 percent from distributed generation. At least one-half of the distributed generation must be from retail distributed generation.[2]

Colorado Public Utilities Commission (the "Commission") Rule 3659(a) states that Renewable Energy Credits ("RECs") may be used to comply with the RES. The Rules define each REC to mean a contractual right to the full set of non-energy attributes, including any and all credits, benefits, emissions reductions, offsets, and allowances, howsoever entitled, directly attributed to a specific amount of electric energy generated from an eligible energy resource. One REC results from one megawatt-hour ("MWh") of electric energy generated from an eligible energy resource. By statute, certain eligible energy resources qualify for REC multipliers such that one MWh from these resources can generate more than one REC for compliance with the RES. Senate Bill 13-252 modified the REC multiplier to eliminate a REC multiplier for eligible energy resources that became operational after January 1, 2015.

As a result of acquiring the generation described below, Public Service was able to retire sufficient RECs to meet its RES obligation for the 2020 compliance year.

Pursuant to Colorado Public Utilities Commission Rule 3662, investor-owned Qualifying Retail Utilities ("QRUs"), like Public Service, are required to file an Annual RES Compliance Report ("Report") that contains the information set forth in Rule 3662. In general, the Report is designed to give the Commission a status on the QRU's compliance with the Renewable Energy Standard for the most recently completed compliance year. The Report will be reviewed by Commission staff for compliance in accordance with Rule 3663.

Public Service is providing this Report in compliance with Rule 3662, which demonstrates that the Company is in compliance with Colorado's 2020 Renewable Energy Standard, consistent with the Company's Commission-approved 2020-21 RES Compliance Plan ("2020-21 Plan"), (Proceeding No. 19A-0369E), approved in Decisions No. R20-0099 and C20-0289.

[1] Commission Electric Rule 3654.
[2] Commission Electric Rule 3655.

OVERVIEW OF THE COMPANY'S EFFORTS TO MEET THE RENEWABLE ENERGY STANDARD

In addition to meeting the Renewable Energy Standard requirements for 2020, Public Service remains well-positioned to meet the Colorado RES over the next several years. The RES requires the Company to generate 30 percent of electric retail sales from renewable resources in 2020, with three percent of that energy coming from renewable distributed generation. The Company's compliance strategy and acquisition of eligible energy resources reflects a desire to protect the environment, provide customers with renewable energy choices that they want and value, and follow through on our commitment to provide safe, reliable and increasingly clean energy at a competitive price. In this portion of the Report, the Company briefly describes and summarizes some of its efforts to meet these commitments.

WIND ENERGY

Wind energy continues to play a significant role in Xcel Energy's renewable energy portfolio. Public Service's early actions to add wind energy at competitive prices and proactively comply with state mandates have benefitted the customers we serve and the state. Xcel Energy continues to be a national leader in wind energy.

Wind energy on Xcel Energy's systems has increased significantly since 2010 and will continue to expand in the future. In 2020, wind energy made up 31 percent of Public Service Company of Colorado's energy supply. At the end of 2020, Public Service had more than 4,000 MW of installed wind energy capacity on its system and Xcel Energy had nearly 10,000 MW of wind across its various utility operating companies.

The Company is continuing the implementation of its Colorado Energy Plan Portfolio ("CEPP"). The CEPP is a transformative plan that was approved by the Commission as part of the Company's 2016 Electric Resource Plan ("ERP") (Proceeding No. 16A-0396E) and involves retiring 660 MW of coal-fired generation by late 2025 and adding 1,100 MW of wind, approximately 700 MW of solar and 275 MW of storage to our Colorado generation fleet. In addition to 630 MW of PPA wind, the CEPP includes the Company-owned 500 MW Cheyenne Ridge Wind Project, the construction of which was approved by the Commission in Proceeding No. 18A-0905E. Construction commenced in June 2019 and the Company is pleased to report that construction is complete and the Project began commercial operation on August 26, 2020 allowing the Company to take full advantage of federal production tax credits ("PTCs") and maximize savings for customers. Also, in 2020 the Company had three additional wind PPAs that began commercial operations – Bronco Plains (September 30, 2020, 299.36 MW), Colorado Green (December 16, 2020, 162 MW), and Mountain Breeze (October 28, 2020, 171.72 MW).

Following implementation of the CEPP, approximately 39 percent of the Company's energy mix will come from wind.

WINDSOURCE®

Wind energy also is available as a customer choice through the Company's popular Windsource® program, which began in 1998 and continues to be one of the largest voluntary green-energy programs in the United States. The current structure of our Windsource® program originated in the terms of a settlement agreement the Commission approved in Proceeding No. 08A-260E and more recently in the settlement of the Company's 2017-19 Plan.

Windsource® is certified through the Green-e Energy program. To be Green-e Energy certified, the corresponding RECs associated with the energy sold under Windsource® cannot be used to fulfill a state renewable energy goal, and cannot be "double-counted" towards that goal, with one exception. Pursuant to Green-e's National Standard Version 2.1: "If the product meets 100% of a customer's electricity use with eligible renewables, Green-e Energy allows a percentage of a product's content to be satisfied by Renewable Portfolio Standard ("RPS") state-mandated renewables up to the percentage RPS requirement." Consequently, for Windsource® customers who purchased 100 percent of their electricity under the Windsource® program in 2020, thirty percent of the RECs associated with the energy these customers purchased were retired to meet the Renewable Energy Standard. The Commission approved this methodology as part of the Company's 2010 RES Compliance Plan in Decisions No. C10-1033 and R10-0586 in Proceeding No. 09A-772E. Information describing the method of retiring RECs for 100 percent Windsource® customer sales has been provided to our Windsource® customers and is also available on the Windsource® pages on Xcel Energy's website.

The Company charges a Windsource® premium to those customers who subscribe to the program. The 2020 Windsource® premium price was $1.50 per 100 kilowatt-hour ("kWh") block, or 1.5¢/kWh, on a market basis. Premiums from sales under the Windsource® program are credited back to the RESA ($3.6 million in 2020).

SOLAR ENERGY

The Company continues to integrate increasing levels of solar energy with a combination of low-cost large-scale utility solar projects, community solar gardens, and private customer-sited solar options. Public Service offers customers a growing number of renewable options such as Solar*Rewards®, Solar*Rewards® Community®, stand-alone net metering, and Renewable*Connect® in addition to Windsource®.

UTILITY SOLAR INSTALLATIONS

Xcel Energy has continued its commitment to developing cost effective solar resources to benefit the greatest number of customers across the state. The Company purchases large-scale solar generation directly from sizable solar installations, many of which are located in the San Luis Valley in south-central Colorado.[3] Other utility-scale solar resources installed in recent years include Solar Star III (50 MW_{AC}) and Comanche Solar (120 MW_{AC}) (both of which came online in 2016), and Titan Solar (50 MW_{AC}), which came online in 2018 as the resource for the Company's Renewable*Connect® program.

The Colorado Energy Plan Portfolio ("CEPP") approved by the Commission as part of the Company's 2016 Electric Resource Plan ("ERP") (Proceeding No. 16A-0396E) will add five additional utility-scale solar resources to the Company's system by the end of 2022.[4] These resources will result in over 700 MW of solar and include two solar projects paired with a total of 225 MW of battery storage. These new solar resources will be located in Pueblo, Park, and El Paso counties, which substantially increases the geographic diversity of utility-scale solar across the state.

Large-scale installations make solar power available at a low cost to the greatest number of people in the communities Xcel Energy serves. The Company supports the development of large, central solar because of the benefits that come with direct delivery and economies of scale for our customers.

PRIVATE SOLAR INSTALLATIONS

Additionally, more than 63,000 Xcel Energy customers in Colorado have private on-site or rooftop solar through either the Company's Solar*Rewards® program or are interconnected outside the program as "Net Metered Only" systems. The Company's Small program (with average system size of approximately 6 kilowatts ("kW")) now sees more PV systems being interconnected outside of its Solar*Rewards® Program than inside the program with Net Metered Only interconnections reaching over 150 MW cumulatively through 2020.

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[3] Solar installations in south-central Colorado include: the SunE Alamosa facility (6.20 MW_{AC}), the SunPower Greater Sandhill facility (19 MW AC), the Iberdrola Renewables San Luis Valley Solar facility (30 MW_{AC}), the Amonix at Solar Technology Acceleration Center ("Solar TAC") (0.484 MW), Sun E at Solar TAC (0.193 MW), and EPRI at Solar TAC (0.085 MW), and the Cogentrix Alamosa Solar Generating Project (30 MW AC).

[4] The Commission approved the Company's proposed Preferred Replacement Bids and all viable back- up bids in Proceeding No. 19A-0530E (Decision No. R20-0285). The Replacement Bids (consisting of two individual projects: (1) a 100 MW solar with 50 MW/200 MWh storage project located in El Paso County; and (2) a 200 MW solar project located in Pueblo County) replace two solar projects originally approved as part of the CEPP, but for which the single developer was subsequently unable to deliver as bid.

Solar*Rewards® currently supports the installation of systems at several program levels—small systems up to 25 kilowatts and medium systems between 25.1 to 500 kW. The program also has issued requests for proposals ("RFPs") to support large systems over 500 kW. Through Solar*Rewards®, customers interested in installing solar systems at their homes or businesses receive incentives to participate in this program.

Table 1: 2020-2021 Solar*Rewards Capacities and Incentives

Solar*Rewards Incentives	2020		2021		TOTAL
	Capacity (up to)	Incentive per kWh	Capacity (up to)	Incentive per kWh	
Small	12 MW	$0.005	12 MW	$0.005	**24**
CEO WAP Low Income Rooftop Solar	0.35	Upfront $2/watt plus $0.034/kWh	0.35	Upfront $2/watt plus $0.034/kWh	**0.7**
Medium	24 MW	$0.0375	24 MW	$0.0375	**48**
Large	20 MW	RFP	20 MW	RFP	**40**
TOTAL	**56**		**56**		**112**

Customer-owned and third-party owned systems receive the same incentive levels for a 20-year term. Small solar system capacity for systems less than or equal to 25 kW is released monthly with one-twelfth of the available capacity released each month. Medium system capacity for systems greater than 25 to 500 kW is released biannually.

Large-solar system capacity is released and awarded through a competitive Request for Proposal ("RFP") process for net metered systems greater than 500 kW in size, capped at 120 percent of the customers' annual load. The RFP requests proposed pricing from bidders for the Company to purchase RECs from the production of the solar array. Price is typically the primary differentiator and selection criteria. In addition to the REC incentive, the customer(s) will receive net energy metering credits.

The CEO's Low-Income WAP (Weather Assistance Program) Rooftop Solar program was added under the 2017-19 RES Plan and proposed to add up to 300 systems over a three-year period: up to 75 systems in 2017; 100 systems in 2018 and 125 systems in 2019. Systems can be sized up to 3.5 kW. The CEO Program was continued under the 2020-21 RES Plan as it was under the Settlement Agreement except for changing to a capacity cap of 0.35 MW annually rather than an installation count cap. The program also requires a 14 percent per-system capacity factor as a reasonable production performance

measure of this program. Through 2020, 330 systems have been interconnected, equaling approximately 1 MW of total cumulative capacity from 2017-2020 at a cost of approximately $3M. Roughly two-thirds of the total cost has been paid for with RESA funds.

COMMUNITY SOLAR GARDENS

The Community Solar Garden ("CSG") market is continuing to expand in Colorado and is widely available throughout the Company's service territory. By the end of 2020 there were approximately 84 MW_{AC} of CSGs operational and 218 MW_{AC} MW either operational or with project capacity awarded.[5]

Public Service launched Solar*Rewards Community® ("S*RC") in Colorado in 2012, after the state became one of the first to approve the solar garden concept in 2010. In Colorado, the Company enables Solar*Rewards Community® for customers who want to participate in shared, centralized solar installations. CSGs are an option for customers who want to support solar energy but lack certain qualities (physical – roof space, shading, etc. or financial) to install systems on-site. Solar developers build community-based shared solar installations interconnected to Public Service's system and offer subscriptions with various purchase arrangements to customers.

The Company has grown a solid portfolio of solar garden projects, and with the additional capacity and segmenting from the 2020-21 RES Plan, this portfolio has become even more robust in 2020.

RENEWABLE*CONNECT®

Renewable*Connect® allows customers to subscribe to solar output from a 50 MW solar energy installation located in Deer Trail, Colorado (Arapahoe County), which came online in late December 2018, and thus 2020 is the program's second year of operations. The program offers competitive pricing, flexible subscription terms, and no program costs subsidized by non-participant customers. Subscribers have full rights to the clean energy benefits from the solar energy produced, as RECs are retired on behalf of subscribers and will not be included in RES accounting.

[5] Beginning in 2020, the Company is reporting all capacities in alternating current or "AC"

2020 RESULTS

NON-DISTRIBUTED GENERATION ("NON-DG")

As a result of prior filings, the Company currently has over 4,000 MW of wind generation capacity on its system that qualifies as Non-DG eligible energy resources. The Company acquires the full electrical output as well as all RECs produced from these wind resources for compliance with the Non-DG portion of the RES. The generation from these facilities that came online before January 1, 2015 is eligible for the 1.25 REC multiplier when used for compliance. Several wind facilities, such as the 249 MW Golden West wind farm, the 600 MW Rush Creek wind farm, and the 500 MW Cheyenne Ridge wind farm, came online after that and do not receive the REC multiplier. The Company currently has 17 operational large wind resources that are considered Non-DG for RES compliance (see Attachment C).

WINDSOURCE®

In 2020, 67,712 residential and commercial/industrial Colorado customers purchased over 241,000 MWh of Windsource® and contributed $3.6 million to the RESA account.

WHOLESALE DG

The Company currently has 172 MW of resources which qualify as Wholesale DG resources for RES compliance. This includes various hydroelectric resources, landfill gas resources, photovoltaic solar resources, and wind resources. All of the generation from these facilities is eligible for the 1.25 REC multiplier when used for compliance with the Colorado RES. The following resources are currently operational and are considered as Wholesale DG for RES compliance (see Attachment C):

Table 2: Operational Wholesale DG Resources

• SunE Alamosa Solar	• Georgetown (I & II)	• Hillcrest
• Cogentrix Solar	• Salida II	• Roberts Tunnel
• Greater Sandhill Solar (I & II)	• Shoshone (I & II)	• Strontia Springs
• San Luis Solar (Iberdrola)	• Tacoma (I & II)	• Ute Hydro
• Northern Colorado Wind II	• Betasso	• Gross Reservoir
• Waste Management/ Aurora Disposal	• Silver Lake	• Redlands
• Ames	• Lakewood	• Grand Valley
	• Dillon Dam	• Orchard Mesa
	• Foothills	

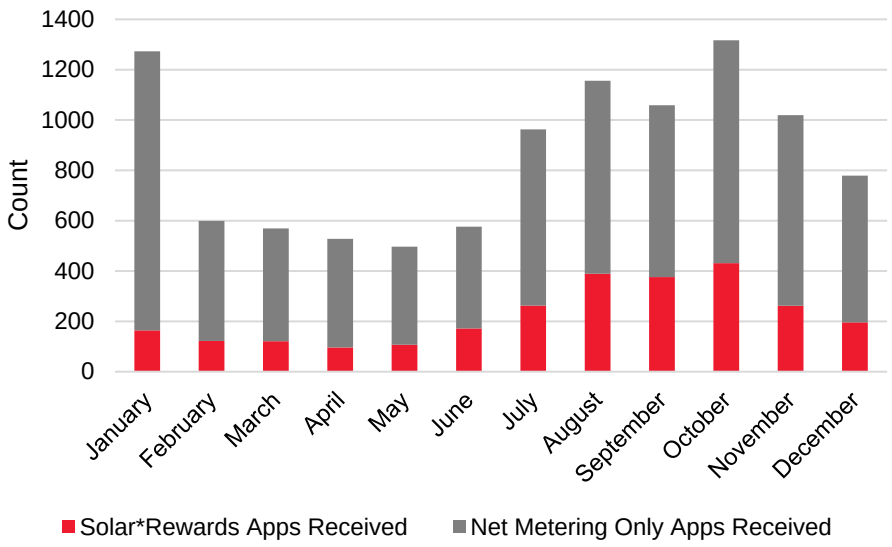
RETAIL DISTRIBUTED GENERATION

At the end of 2020, the Company had more than 466_{DC} MW of retail distributed generation on our Colorado system.

Solar*Rewards®

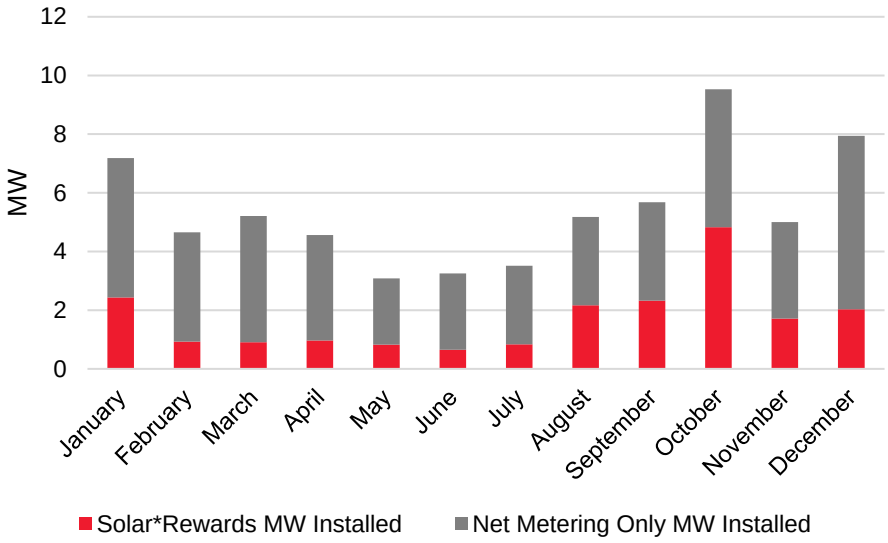
In 2020, the Company received 2,564 Solar*Rewards® applications for small systems. 1,432 small solar systems were installed for a total of nearly 9.6 MW.[6] For 2020 the Company is continuing to see more applications for smaller systems (systems up to 25 kW) being interconnected outside of its Solar*Rewards® Program (commonly referred to as Net Metered Only systems) than inside the program. Over 7,600 Net Metered Only applications were received and more than 6,900 were installed for a total of approximately 44 MW. The Charts below show the number of applications in terms of number of applications received and capacity installed.

Figure 1: Monthly On-site Solar Applications in 2020



[6] Systems are not always installed in the same calendar year in which applications are received.

Figure 2: Monthly On-site Solar MW Installed in 2020



For medium systems in 2020, 128 total applications were received and 109 systems were installed for a total of approximately 10 MW. The Medium Program capacity was opened on a half-year basis of 12 MW in 1H 2020 and 2H 2020.

The Company announced its Solar*Rewards® Large Request for Proposal ("RFP") on June 22, 2020, for customer-sited projects. The RFP sought up to 20 MW of net-metered projects larger than 500 kW.[7] Public Service received eleven bids from five different solar developers. Table 3 below presents the projects that were ultimately awarded capacity in the RFP after two awarded projects withdrew their awards in entirety. This left the 2020 RFP with a deficit of 6.4 MW from the 20 MW capacity of the 2020 RE Plan. The 2020 deficit will roll over to the 2021 RFP as optional available capacity for program consideration in addition to the 20 MW capacity limit.

Table 3: Solar*Rewards Large RFP Awards

Developer Name	Customer	MW_{DC}	Proposed COD date
Pivot Energy	FedEx Broomfield	0.9996	12/31/2021
Pivot Energy	FedEx Henderson	0.9976	12/31/2021
Oak Leaf Energy Partners	DIA 8A	3.11	3/1/2022
Oak Leaf Energy Partners	DIA 8B	3.11	3/1/2022
EnterSolar, LLC	Lineage Logistics Henderson	4.561	12/27/2021
EnterSolar, LLC	Lineage Logistics Greeley	0.805	9/13/2021

Energy Storage

2020 was a productive year in which the Company continued its engagement with installers and manufacturers directly to review proposed Energy Storage Systems ("ESS") through an initial review process to confirm they meet the storage principles and guidelines agreed to in the Distribution Grid and Interconnection Stakeholder ("Grid" Stakeholder Group). 45 ESS design configurations have been approved through the initial review process providing a variety of options for customers to interconnect batteries. Subsequent applications are compared with the initial review documents for expedited approval of the official applications.[8] The Company received 240 applications for energy storage systems in 2020. Cumulatively, by the end of 2020, the Company had 725 applications received with 676 installations. The Company's Solar*Rewards® program team along with Distribution Engineering have continued their outreach opportunities with developers to do equipment reviews in order to streamline the application process.

SOLAR*REWARDS COMMUNITY® – SOLAR GARDENS

In October 2020, the program released the 2020 RFP with awards taking place in December 2020. The RFP received ample responses from developers similar to the demand received in previous RFPs - this was the largest RFP offering in company history

[8] In 2018 there were 15 ESS design configurations.

for 75MW_{AC}. The RFP release was delayed as the CSG rules were finalized and the Company worked with stakeholders to complete and file an RFP scoring matrix with the Commission. The resulting scoring matrix was the effort of multiple workgroup meetings with industry and stakeholders allowing for increased transparency into the RFP process. At the time of this filing, the associated standard offer, for 10MW_{AC}, was released in January 2021 and all capacity was reserved within the program on the opening day of the release.

The 2020 RFP issued awards for the maximum available capacity of 75 MW_{AC} in the RFP. Over 53 MW of the 75 MW awarded in the standard RFP resulted in capacity serving Residential Rate Class customers - over double the 25 percent target listed in the RFP. Also, of the 75 MW awarded, more than 8 MW are dedicated to income qualified customers which is above the ten percent targeted in the RFP.

During 2020, the Company worked closely with the CSG development community to address interconnection challenges. We took several approaches to address these challenges, such as introducing a provisional study option which allows for two interconnection locations to be studied concurrently per existing CSG award and providing developers with a customer options meeting following the interconnection screen, study, and design to provide insight into Public Service's finding beyond what was included in the report. In 2020, in preparation for the RFP, we completed over 160 pre-application data requests to help screen sites for developers. In addition, we screened various feeders and provided industry with targeted areas to help them understand capacity availability throughout our territory. These targeted areas were the result of industry survey efforts asking developers where they plan to site CSGs and bid into the 2020 RFP. These feeder screenings were done and shared with industry prior to the RFP release to give them ample time to procure land interconnecting to those feeders before the RFP. As the program moved to 5 MW garden sizing and switching from DC sizing to AC we have worked with industry to help provide tools related to larger sizing and primary metering for CSGs and have offered customer options meetings following every interconnection level II screen to provide additional insight into the review process

Renewable*Connect®

2020 was the second year of operations for the Renewable*Connect® program, from the Settlement Agreement reached in Proceedings 16AL-0048E and 16A-0055E. In the Settlement Agreement, Public Service agreed to file with the Commission annual reports including total program expenditures, total revenues, number of participants, program term capacities, unsubscribed energy volumes, excess revenue applied to the RESA, participation by rate class, and number and capacity of customers on the waitlist.[9] The Company has chosen the RES Report as the vehicle to report this information as it can

[9] Decision No. C16-1075.

be compared to other renewable energy programs and is providing work papers to Commission Staff in support of the information provided below. Below are summaries of the program results for 2020.

Program Participation

The program was essentially fully subscribed during 2020 with light customer turnover. The Company maintains a waitlist for the program and can quickly replace customers who choose to exit the program. The tables below report the program participation by rate class, by contract term, and the waitlist.

Table 4: Renewable*Connect Participants by Rate Class and Capacity

Customer Count by Rate Class				
	R	**C**	**SG**	**PG**
Count	2,500	554	150	13
Program Capacity by Rate Class				
	R	**C**	**SG**	**PG**
kW	6,599	4,000	30,825	8,578

Table 5: Renewable*Connect Contract Durations

Customer Count by Term			
Count	**MTM**	**5 Year**	**10 Year**
	989	695	1,533
Capacity by Term			
kW	**MTM**	**5 Year**	**10 Year**
	2,373	2,499	45,129

Table 6: Renewable*Connect Waitlist

Waitlist		
	Residential	**Business**
Count	2,564	147
kW	6,893	178,129

Program Financial Performance

2020 was a successful year of operations for Renewable*Connect®. With full subscription, the program was able to generate revenues in excess of program costs and thus yield program earnings. Per the Settlement Agreement in the aforementioned Proceedings, the Company can retain earnings up to its weighted average cost of capital ("WACC") with any excess earnings contributed to the RESA. The table below reports the program revenues, costs, earnings (both retained by the Company and contributed to

the RESA). Included is the unsubscribed energy volumes from the light customer churn in the program.

Table 7: 2020 Renewable*Connect Financial Performance

2020 Financial Performance	
Revenues:	
R*C Customer Charges	$4,209,681
Costs:	
Purchase Power	$3,555,709
Solar Integration	$43,093
Program Administration	$13,130
Earnings:	**$597,749**
Company (6.55%)	$236,582
RESA	$361,168
Unsubscribed Energy	
kWh	31,217

The excess earnings were credited to the RESA in December 2020. As mentioned with essentially full subscription and a strong waitlist, the Company was able to keep program administration costs low. These factors, and with little to no IT costs in 2020, kept overall program costs minimized relative to the purchase power cost. The Company expects that 2021 will return similar results overall.

REC TRACKING & COMPLIANCE

The Company tracks RECs through an internal REC tracking system and also the Western Renewable Energy Generation Information System ("WREGIS") system. Commission Rule 3659(j) requires all renewable energy resources 1 MW and larger to be registered with WREGIS. WREGIS is a third-party REC tracking and verification system for the western states (including Colorado), developed through a collaborative effort between the Western Governors Association, the Western Regional Air Partnership, and the California Energy Commission. The Company, through Xcel Energy Services Inc. ("XES"), participates in the Stakeholder Advisory, Policy and Change Control Committees of WREGIS. The Company believes that WREGIS and other regional REC tracking and verification systems add significant credibility to, and aid in the development of, REC markets. Xcel Energy's registered generating facilities have been uploading data to WREGIS since the last quarter of 2008.

During the 2020 compliance year, the Company used its internal REC tracking database to retire RECs from distributed generation solar facilities under 1 MW for 2020 RES compliance. Any WREGIS RECs that were used for 2020 compliance,

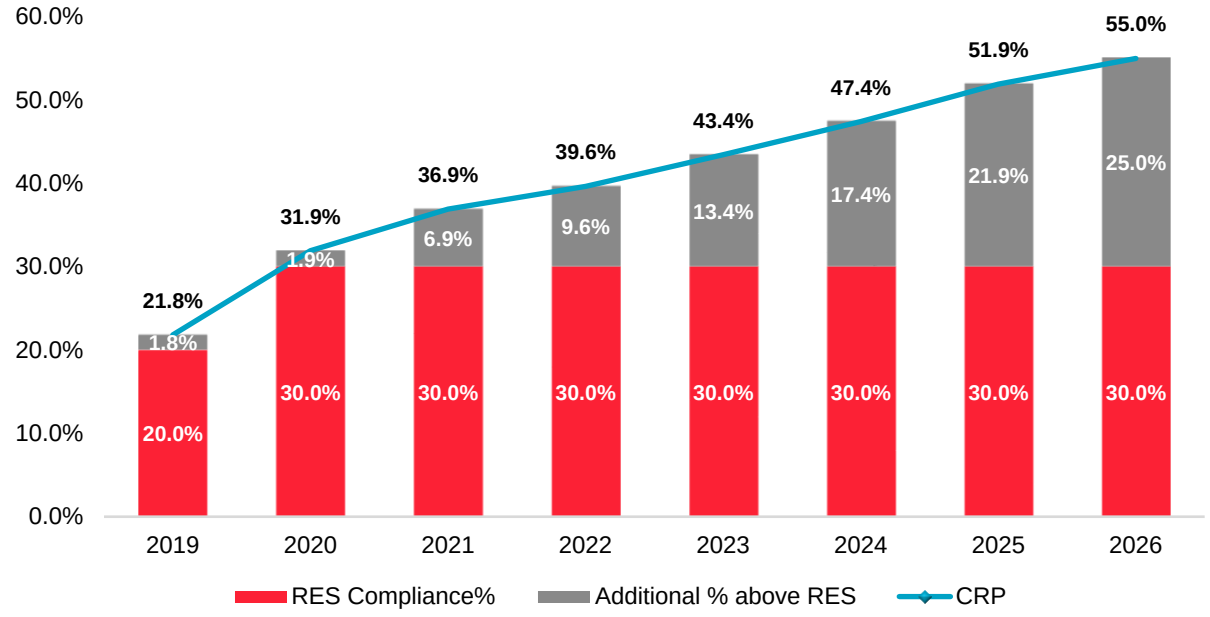
Renewable*Connect®, Certified Renewable Percentage (CRP), or Windsource® were also retired in WREGIS. During the 2020 compliance year the Company maintained its internal REC tracking database and WREGIS in tandem.

Certified Renewable Percentage

The Certified Renewable Percentage ("CRP") is a voluntary information offering under which the Company will retire RECs above its Renewable Energy Standard compliance requirements, so that the total RECs retired in each calendar year will represent the total renewable energy provided to retail customers from the Company's system. This incremental retirement in each calendar year allows retail customers to better account for and claim the renewable energy delivered from the Company's system in their efforts to satisfy their specific renewable energy goals. The CRP is discussed in much greater detail, including a detailed formula, in Proceeding No. 19AL-0268E, especially in Mr. Jack Ihle's Direct and Rebuttal Testimony.

In Proceeding No. 19AL-0268E, Decision C20-0096, the Commission directed Public Service to work with interested intervenors in that Proceeding to improve the CRP implementation before initiating the offering. Public Service did so and filed with the Commission a Notice of Public Service Company of Colorado Regarding the Certified Renewable Percentage on April 13, 2020. Within that Notice, Public Service and other parties agreed to some implementation and reporting actions to enhance the value of the CRP. Most notably for this Proceeding, Public Service forecasted a likely trajectory for the increase of the CRP value over the next several years. Public Service and the interested intervenors agreed that Public Service will make a good faith effort to steadily increase the CRP value over time, starting at approximately 31.9 percent in 2020 and reaching 55 percent in 2026. An updated forecast of the CRP is provided below through 2026.

Figure 3: PSCo Certified Renewable Percentage Forecast - 2019 – 2026



The Company is reporting the CRP and providing further detail of that calculation as part of Attachment B to this Report. For 2020, the CRP is 31.9 percent. This value will also be available to interested parties on the Company's web site and will also be reported in the annual Community Energy Reports.

Demonstration of Compliance

In order to demonstrate compliance with the Colorado 2020 RES, Public Service has included several attachments to this report providing the data identified in Rule 3662, which are set forth in Attachment A, Rule Requirements.

Attachment B shows the Company's 2020 actual retail energy sales and lays out the resulting Renewable Energy Standard compliance requirements which flow from those sale numbers.

Attachment C, Renewable Energy Credit Compliance Summary, is similar to Tables 4-2 and 4-3 as originally filed in our 2020-21 RES Compliance Plan, Volume 2. The numbers reflect actual RECs generated in 2020 and RECs used for compliance in 2019. As mentioned above the Company is also reporting the CRP for 2020 in this Attachment.

Attachment D compares the 2020 RESA forecasted expenditures and revenues to the actual expenditures and revenues. It also compares the 2020 forecasted RESA deferred account balance and the 2020 actual RESA deferred account balance. The Company designed this attachment so that it reflects the relevant information contained in Tables 7-2 (a) – (c) as filed in the Direct Testimony of Robin L. Kittel, Attachment RLK-2, in the

2017 Plan. Although Attachment D reflects the actual totals by column, it also contains a breakdown of the actual costs by individual resource. This segregation of costs by resource allows one to easily assess the resources that contributed to the actual RESA costs for 2020.

Attachment E sets forth each individual resource that has costs that are allocated between the RESA and ECA and provides the incremental costs for each resource expressed as $/MWh charged in 2020. Set forth at the bottom of the attachment are the adjustments, if any, made to the $/MWh figure. Second, Attachment E shows the Average Hourly Incremental Cost ("AHIC") for 2020 and volumes of Solar*Rewards® that elected to sell excess kWh credits to the Company per Rule 3664 (b). The AHIC is also used to compensate Solar*Rewards Community® garden owners for unsubscribed energy required by Rule 3665 (c)(V). The 2020 volumes of the unsubscribed energy are also shown in Attachment E.

As part of Commission Decision No. C11-1080 approving the Company's 2010 RES Compliance Plan, the Commission directed the Company to provide comparisons between the modeled incremental costs and the actual incremental costs of eligible energy resources that are charged against the RESA account, and to provide an explanation of significant deviations. Attachment D provides the modeled costs as compared to actuals and Attachment F explains the differences between the modeled costs and the actual costs of eligible energy resources to the extent the variance is notable.

Attachment G provides a table with all S*RC projects that are either operational or that have been awarded and are in various stages of development.

Attachment H lists all Solar*Rewards Community® contracts signed since the Company's last Compliance Report and due to the voluminous nature of the contracts will provide individual contracts upon request.

Attachment I contains the Solar*Rewards Community® volumes and corresponding billing credits per rate class, and the total number of unsubscribed kWhs as required by Rule 3662 (a)(XVIII). Also included in Attachment I are associated metrics regarding low-income subscriptions.

Attachment J contains the Colorado Energy Office's 2020 Report on its Solar for Low-income and the Weatherization Assistance Program. This report is required to be filed in the 2020-2021 RES Reports as required per the Comprehensive Settlement Agreement.

Finally, Attachment K summarizes activities associated with three of the Stakeholder Groups (other than the Pilot Stakeholder Group) that were formed following that

proceeding. Summaries include discussion items and outcomes including any recommendations that the Company has for next steps.

Because the Company is not claiming that the retail rate impact cap limitation inhibited its ability to meet the requirements, there is no need to report the data required in Subsection (a) (XIV) of Rule 3662.

In compliance with Rule 3662 (XV), the Commission has approved the Company's methodology for calculating the retail rate impact for the 2020 RES compliance year. Because the Company is not claiming that the retail rate impact cap limited its ability to comply with the 2020 RES, no modifications pertaining to the calculation of the retail rate impact for 2020 were necessary.

The Company is providing the Commission with an electronic copy of this filing, as well as posting it on the Company's website at www.xcelenergy.com under "Filings" in the Rates and Regulations directory.

Attachment A

CPUC Rule	Required Information
Rule 3662 (a)	The utility shall file an annual Renewable Energy Standard (RES) compliance report no later than June 1 to report on the status of the qualifying retail utility's (QRU) compliance with the RES for the most recently completed compliance year. The compliance report shall include the following:
3662(a)(I)	The total MWH sold by the QRU to its retail customers and the associated eligible energy required for compliance with the RES, including the requirements for retail and wholesale renewable distributed generation.
3662(a)(II)	The total amount and source of eligible energy and RECs acquired by the QRU during the compliance year for to meet the RES, including the requirements for retail and wholesale renewable distributed generation. The QRU shall separately identify and quantify amounts of eligible energy and RECs by each type of resource. The QRU shall also separately identify eligible energy and RECs generated by early eligible energy resources.
3662(a)(III)	The total amount of RECs by category acquired by QRU during the compliance year and the total amount and source of eligible energy generated by the QRU-owned energy resource.
3662(a)(IV)	The total amount of eligible energy and RECs borrowed forward in previous compliance years that were made up during the compliance year to achieve compliance.
3662(a)(V)	The total amount of eligible energy and RECs borrowed forward from future compliance years to achieve compliance in the compliance year.
3662(a)(VI)	The total amount and source of eligible energy and RECs the QRU is carrying back from the year following the compliance year to achieve compliance in the compliance year.
3662(a)(VII)	The total amount of eligible energy and RECs the QRU has carried forward from prior calendar years to apply in the compliance year.
3662(a)(VIII)	The total amount of eligible energy and RECs the QRU has acquired in the compliance year that the QRU proposes to carry forward to future years for each component of the RES.
36662(a)(IX)	The total amount of eligible energy and RECs the QRU has counted toward compliance with the RES, including the requirements for retail and wholesale renewable distributed generation in the compliance year. The QRU shall separately identify amounts of renewable energy by each type of resource and eligible energy or RECs generated by early eligible energy resources.
3662(a)(X)	The total amount of renewable energy or RECs acquired by the QRU pursuant to the SRO program.
3662(a)(XI)	The total amount of RECs retired by the QRU pursuant to a voluntary green pricing program.
3662(a)(XII)	The total amount of RECs sold or traded by the QRU during the compliance year along with the profit and losses and the method for calculating these margins.
3662(a)(XIII)	Whether the QRU has invested in any eligible energy resource and the status of that resource.
3662(a)(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 QRU. If the QRU

CPUC Rule	Required Information
	has not acquired sufficient eligible energy and RECs to meet the RES or the requirements for renewable distributed generation due to the retail rate impact cap, the retail rate impact cap shall be recalculated based on the actual compliance year values. If the recalculation demonstrates that additional funds are available based on actual compliance year values, the QRU shall use those additional funds to acquire RECs to achieve the compliance levels or until the additional funds have been spent if the QRU intends to claim that the retail rate impact cap prevented it from achieving compliance with the standard.
3662(a)(XV)	A description of the method used to develop the retail rate impact calculation.
3662(a)(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 QRU's compliance plan filing.
3662(a)(XVII)	The funds advanced by the QRU during the compliance year to augment the amounts collected from retail customers through the RESA.
3662(a)(XVIII)	The average hourly incremental cost of electricity during the compliance year, the total number of CSG kWh which were unsubscribed for each CSG during that period, and the total kWh and corresponding billing credits paid to CSG subscribers during the compliance year by each retail rate class for each CSG.
3662(b)	The QRU must explain whether it achieved compliance with the RES, or explain why the QRU had difficulty meeting the RES.
3662(c)	If the QRU did not comply with its RES 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.
3662(d)	On the same date that the QRU files its annual RES compliance report, the QRU shall post its annual compliance report excluding confidential material on its public website .
3662(e)	On the same date that the RES compliance report, if the QRU did not file using the Commission's E-Filings System, it shall provide the Commission with an electronic version of its annual compliance report excluding confidential material. The Commission may place the non-confidential portion of the annual compliance report on the Commission's public website.
3607(f)	Each qualifying wholesale utility shall submit an annual report to the Commission no later than June 1 of each year. In addition, the qualifying wholesale utility shall post each annual report on its website. The report shall include the following:
3662(f)(I)	Describe the steps it took to comply with the RES of 20 percent of retail sales by 2020

CPUC Rule	Required Information
3662(f)(II)	For the compliance years before 2020, describe whether it is making sufficient progress toward meeting the standard in 2020 or is likely to meet the 2020 standard early. If it is not making sufficient progress towards the standard in 2020, it shall explain why and indicate the steps it intends to take to increase the pace of progress.
3607(f)(III)	For the 2020 compliance year and each compliance year thereafter, describe whether it has achieved compliance with the RES and whether it anticipates continuing to do so. If it has not achieved such compliance or does not anticipate continuing to do so, it shall explain why and shall indicate the steps it intends to take to meet the standard and by what date.

Attachment B

2020 Renewable Energy Standard Compliance Report
Public Service Company of Colorado
Attachment B

2020 Forecasted Renewable Energy Standard Compliance Amounts

Row				Notes	%
1	Colorado Retail Electric Sales	28,844,533	MWh		100.000%
2	Total RES Requirement	8,653,360	RECs	30% × (1) Colorado Retail Electric Sales	30.000%
3	DG Requirement	865,336	RECs	3% × (1) Colorado Retail Electric Sales	3.000%
4	Retail DG RES Requirement	432,668	RECs	50% × (3) DG Requirement	1.500%
5	Wholesale DG RES Requirement	432,668	RECs	(3) DG Requirement - (4) Retail DG RES Requirement	1.500%
6	Non-DG RES Requirement	7,788,024	RECs	(2) Total RES Requirement - (3) DG Requirement	27.000%
7					

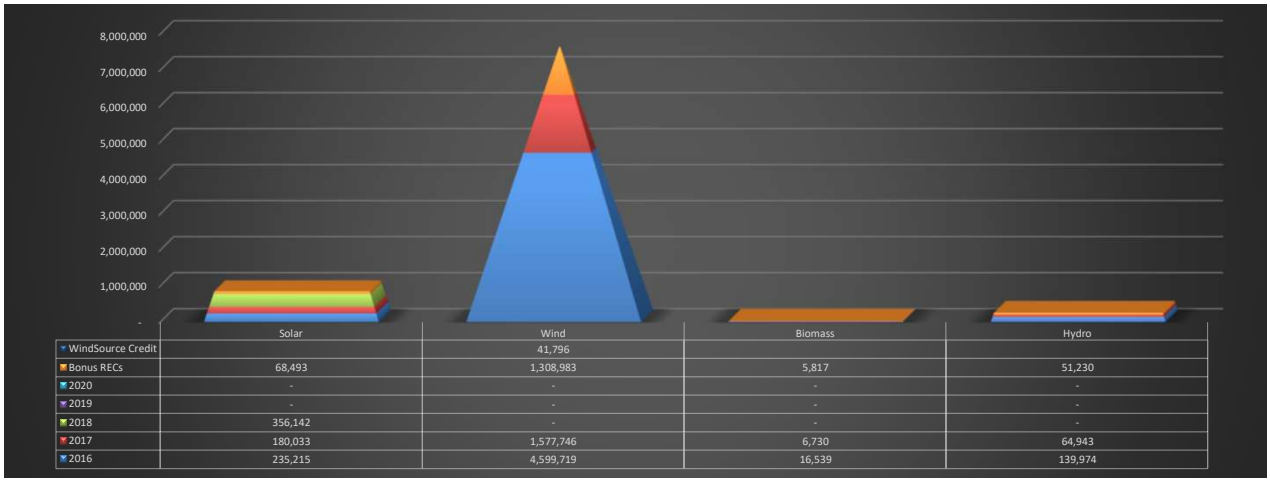
8	Summary Compliance Table	
9	Compliance	8,653,360
10	Windsource Credit	(41,796)
11		
12	RECs (Retail DG, Wholesale DG, and Non DG)	(7,177,041)
13		
14	Bonus RECs	(1,434,523)
15	Balance	0
16		

17	Summary Compliance Table Disaggregated	
18	Compliance	8,653,360
19	Windsource Credit	(41,796)
20	RECs (Retail DG)	(356,142)
21	RECs (Wholesale DG)	(564,393)
22	RECs (Non DG)	(6,256,506)
23	Bonus RECs	(1,434,523)
24	Balance	0
25		

26	Summary Compliance Table Aggregated	
27	Compliance	8,653,360
28	Windsource Credit	(41,796)
29	RECs (Retail DG) + Bonus	(372,510)
30	RECs (Wholesale DG) + Bonus	(705,493)
31	RECs (Non DG) + Bonus	(7,533,561)
32		
33	Balance	0

2020 Renewable Energy Standard Compliance Report
Public Service Company of Colorado
Attachment B

RES Retirements	Vintage	Vintage	Vintage	Vintage	Vintage	Bonus	WindSource	
Fuel Type	2016	2017	2018	2019	2020	RECs	Credit	Total
Solar	235,215	180,033	356,142	-	-	68,493		839,883
Wind	4,599,719	1,577,746	-	-	-	1,308,983	41,796	7,528,244
Biomass	16,539	6,730	-	-	-	5,817		29,086
Hydro	139,974	64,943	-	-	-	51,230		256,147
Total	**4,991,447**	**1,829,452**	**356,142**	-	-	**1,434,523**	**41,796**	8,653,360



Certified Renewable Percent Summary

$$CRP = \frac{\left(\begin{matrix}Wholesale\\DG\end{matrix} + NonDG + \begin{matrix}Solar\\Rewards\end{matrix} + \begin{matrix}SR\\Community\end{matrix}\right) - \left\{\begin{matrix}Renewable\\Connect\end{matrix} + Windsource + \begin{matrix}Wholesale\ \&\\Boulder\ Transfers\end{matrix} + \begin{matrix}REC\\Sales\end{matrix} + \begin{matrix}Trade\ Margin\\Adjustment\end{matrix}\right\}}{PSCO\ Retail\ Sales_{\begin{matrix}including\ SR\ Community\end{matrix}} + \begin{matrix}Solar\\Rewards\end{matrix}}$$

CRP	=	9,339,822 / 29,247,315	=	31.9%

CRP Numerator		RECs retired for RES compliance		Additional RECs to retire for CRP
9,339,822	-	8,653,360	→	686,462

Additional RECs to retire for CRP

Fuel Type | Vintage Year	2016	2017	2018	2019	2020
Solar	-	-	-	-	68,646
Wind	-	-	-	-	614,385
Biomass	-	-	-	-	686
Hydro	-	-	-	-	2,745
Total	-	-	-	-	686,462

Attachment C

Attachment C- Renewable Energy Credit Compliance Summary
Public Service Company of Colorado
2020 Renewable Energy Standard Report

Row	Renewable Resources		RECs Carried Forward 2015-2019 *(1)	REC True Up 2015-2019 *(2)	Retail RECs obtained after Boulder & Wholesale Transfers 2020	RECs Retired for WS, R*C, & CRP 2020	REC Sales to 3rd Parties 2020	Total RECs Available 2015-2020	In-State 25% Bonus Available*(3)	Additional Community 50% Bonus Available*(3)	Total RECs + Bonus Available for 2020 RES Compliance	REC Adjustments Other 2020	RECs Retired For 2020 RES Compliance	Bonus RECs Applied towards 2020 RES Compliance	RECs + Bonus Retired For 2020 RES Compliance	Ending Balance of RECs + Bonus 2020 RES Compliance	Estimated Ending Balance of RECs Carryover w/o bonus Remains
	Column Reference		A	B	C	D	E	F	G	H	i	J	K1	K2	L	M	N
	Calculation							f=(a +b +c -d -e)	g ≤ (f × 25%)		i=(f + g + h)						
1	**Retail DG Solar Systems**		Use RecT b/c Retail DG bonus of 1.25 only applies to purchase transactions < August 11,2010														
2	Small Customer-Owned (<25 kW)	Solar*Rewards	253,047	-	87,309			340,356	15,953		356,309		125,703	6,082	131,785	224,524	214,653
3	Small Third Party Developer (<25 kW)	Solar*Rewards	235,529	-	117,570			353,099	16,465		369,564		122,165	5,911	128,076	241,488	230,934
4	Medium 1 (25.01 - 500 kW)	Solar*Rewards	178,656	-	134,851			313,507	14,471		327,978		58,231	2,818	61,049	266,929	255,276
5																	
6	RFP Large	Solar*Rewards	19,976	-	83,214			103,190	4,632		107,822		-	-	-	107,822	103,190
7	RFP Large (COSR)	Solar*Rewards	60,575	-	30,669			91,244	4,255		95,499		32,173	1,557	33,730	61,769	59,071
8	REC Only		1,499	-	-			1,499			1,499		-		-	1,499	1,499
9	SR Community		85,326	-	110,388			195,714	-	3,962.00	199,676		-	-	-	199,676	195,714
10	SR Community Solar Gardens		60,545	8,317	64,580			133,442	-		133,442		17,870		17,870	115,572	115,572
11	**Total Retail DG Solar**		895,153	8,317	628,581	-	-	1,532,051	55,776.00	3,962.00	1,591,789	-	356,142	16,368	372,510	1,219,279	1,175,909
12																	
13	**Wholesale DG Solar Systems**																
14	Power Purchase w/RECs:		Wholesale DG bonus is 1.25 for eligible facilities ≤ Dec 31, 2014					f=(a +b +c -d -e)	g ≤ (f × 25%)		i=(f + g + h)						
15	SunE Alamosa		52,472	-	13,963			66,435	16,609		83,044		11,514	2,879	14,393	68,651	54,921
16																	
17	Cogentrix of Alamosa (KEPCO)		207,108	-	51,226			258,334	64,584		322,918		67,597	16,899	84,496	238,422	190,737
18	Greater Sandhill I		75,891	-	12,495			88,386	22,097		110,483		18,372	4,593	22,965	87,518	70,014
19	Greater Sandhill II		84,215	-	19,837			104,052	26,013		130,065		24,746	6,187	30,933	99,132	79,306
20	San Luis Solar		292,675	-	76,878			369,553	92,388		461,941		85,947	21,487	107,434	354,507	283,606
21	SunE at SolarTAC		135	-	-			135	34		169		135	34	169	-	-
22	Amonix at SolarTAC		-	-	-			-	-		-		-	-	-	0	-
23	EPRI at SolarTAC		498	-	115			613	153		766		182	46	228	538	431
24	**Total Wholesale DG Solar**		712,994	-	174,514	-	-	887,508	221,878	-	1,109,386		208,493	**52,125**	260,618	848,768	679,015
25																	
26	**Wholesale DG Wind**																
27	Company Owned Generation		Wholesale DG bonus is 1.25 for eligible facilities ≤ Dec 31, 2014					f=(a +b +c -d -e)	g ≤ (f × 25%)								
28	Ponnequin II		-	-	-												
29	Ponnequin III		-	-	-												
30	Ponnequin IV		-	-	-			-	-		-		-	-	-	0	-
31	Ponnequin V		-	-	-			-	-		-		-	-	-	0	-
32	Ponnequin VI		-	-	-			-	-		-		-	-	-	0	-
33	Power Purchase w/RECs:																
34	Northern Colorado Wind II		209,878	-	57,743			267,621	66,905		334,526		71,180	17,795	88,975	245,551	196,441
35	NREL Siemens		3,746	-	-			3,746	937		4,683		1,465	366	1,831	2,852	2,281
36	Ponnequin I		-	-	-												
37	Ridgecrest		55,069	-	-			55,069	13,767		68,836		55,069	13,767	68,836	0	-
38	**Total Wholesale DG Wind**		268,693	-	57,743	-	-	326,436	81,609	-	408,045		127,714	**31,928**	159,642	248,403	198,722
39																	
40	**Wholesale DG Biomass**																
41	Power Purchase w/RECs:		Wholesale DG bonus is 1.25 for eligible facilities ≤ Dec 31, 2014					f=(a +b +c -d -e)	g ≤ (f × 25%)								
42	75th St Digester		-	-	-												
43	WM Denver/Aurora Disposal Site		76,738	-	18,755	686		94,807	23,702		118,509		23,269	5,817	29,086	89,423	71,538
44	**Total Wholesale DG Biomass**		76,738	-	18,755	686	-	94,807	23,702	-	118,509		23,269	**5,817**	29,086	89,423	71,538
45																	

Attachment C- Renewable Energy Credit Compliance Summary
Public Service Company of Colorado
2020 Renewable Energy Standard Report

	Renewable Resources	RECs Carried Forward 2015-2019 *(1)	REC True Up 2015-2019 *(2)	Retail RECs obtained after Boulder & Wholesale Transfers 2020	RECs Retired for WS, R*C, & CRP 2020	REC Sales to 3rd Parties 2020	Total RECs Available 2015-2020	In-State 25% Bonus Available*(3)	Additional Community 50% Bonus Available*(3)	Total RECs + Bonus Available for 2020 RES Compliance	REC Adjustments Other 2020	RECs Retired For 2020 RES Compliance	Bonus RECs Applied towards 2020 RES Compliance	RECs + Bonus Retired For 2020 RES Compliance	Ending Balance of RECs + Bonus 2020 RES Compliance	Estimated Ending Balance of RECs Carryover w/o bonus Remains
	Column Reference	A	B	C	D	E	F	G	H	i	J	K1	K2	L	M	N
46	**Wholesale DG Hydropower**															
47	Company-Owned Generation:	Wholesale DG bonus is 1.25 for eligible facilities ≤ Dec 31, 2014					f=(a +b +c -d -e)	g ≤ (f × 25%)								
48	Ames	19,406	-	4,053			23,459	5,865		29,324		8,140	2,035	10,175	19,149	15,319
49	Georgetown I	7,202	-	1,243			8,445	2,111		10,556		2,313	578	2,891	7,665	6,132
50	Georgetown II	7,271	-	91			7,362	1,841		9,203		2,153	538	2,691	6,512	5,209
51	Salida I	-	-	-												
52	Salida II	7,052	-	1,331			8,383	2,096		10,479		2,284	571	2,855	7,624	6,099
53	Shoshone I	128,185	-	8,238			136,423	34,106		170,529		34,501	8,625	43,126	127,403	101,922
54	Shoshone II	157,419	-	8,503	2,745		163,177	40,794		203,971		49,239	12,310	61,549	142,422	113,938
55	Tacoma I	20,429	-	527			20,956	5,239		26,195		3,239	810	4,049	22,146	17,717
56	Tacoma II	21,457	-	811			22,268	5,567		27,835		4,213	1,053	5,266	22,569	18,055
57	Power Purchase w/RECs:															
58																
59	Betasso	12,933	-	3,593			16,526	4,132		20,658		3,722	931	4,653	16,005	12,804
60	Lakewood	14,613	2,236	4,196			21,045	5,261		26,306		5,123	1,281	6,404	19,902	15,922
61	Silver Lake	16,849	(2,236)	3,911			18,524	4,631		23,155		4,348	1,087	5,435	17,720	14,176
62	Kohler	256	-	-			256	64		320		256	64	320	0	-
63	Maxwell	674	-	-			674	169		843		305	76	381	462	369
64	Orodell	408	-	-			408	102		510		232	58	290	220	176
65	Sunshine	2,553	-	-			2,553	638		3,191		1,771	443	2,214	977	782
66	Dillon Dam	30,035	-	9,483			39,518	9,880		49,398		13,033	3,258	16,291	33,107	26,485
67	Foothills	18,998	-	5,455			24,453	6,113		30,566		7,074	1,769	8,843	21,723	17,379
68	Hillcrest	20,675	-	5,528			26,203	6,551		32,754		7,752	1,938	9,690	23,064	18,451
69	Roberts Tunnel	48,490	-	8,935			57,425	14,356		71,781		11,011	2,753	13,764	58,017	46,414
70	Strontia Springs	22,070	-	6,688			28,758	7,190		35,948		4,216	1,054	5,270	30,678	24,542
71	Gross Reservoir	61,339	-	17,902			79,241	19,810		99,051		19,601	4,900	24,501	74,550	59,640
72	Ute Hydro		-	617			617	-		617		-	-	-	617	617
73	Redlands	29,872	-	7,617			37,489	9,372		46,861		8,975	2,244	11,219	35,642	28,514
74	Stagecoach	-	-	-			-	-		-		-	-	-	0	-
75	Grand Valley	15,619	-	2,953			18,572	4,643		23,215		5,708	1,427	7,135	16,080	12,864
76	Orchard Mesa	15,619	-	2,953			18,572	4,643		23,215		5,708	1,427	7,135	16,080	12,864
77																
78	**Total Wholesale DG Hydropower**	679,424	-	104,628	2,745	-	781,307	195,174	-	976,481		204,917	**51,230**	256,147	720,334	576,390
79																
80	**Total Wholesale DG**	1,737,849	-	355,640	3,431	-	2,090,058	522,363	-	2,612,421		564,393	141,100	705,493	1,906,928	1,525,665
81																

Attachment C- Renewable Energy Credit Compliance Summary
Public Service Company of Colorado
2020 Renewable Energy Standard Report

	Renewable Resources	RECs Carried Forward 2015-2019 *(1)	REC True Up 2015-2019 *(2)	Retail RECs obtained after Boulder & Wholesale Transfers 2020	RECs Retired for WS, R*C, & CRP 2020	REC Sales to 3rd Parties 2020	Total RECs Available 2015-2020	In-State 25% Bonus Available*(3)	Additional Community 50% Bonus Available*(3)	Total RECs + Bonus Available for 2020 RES Compliance	REC Adjustments Other 2020	RECs Retired For 2020 RES Compliance	Bonus RECs Applied towards 2020 RES Compliance	RECs + Bonus Retired For 2020 RES Compliance	Ending Balance of RECs + Bonus 2020 RES Compliance	Estimated Ending Balance of RECs Carryover w/o bonus Remains
	Column Reference	A	B	C	D	E	F	G	H	i	J	K1	K2	L	M	N
82	**Non-DG Wind**	Non-DG bonus is 1.25 for eligible facilities ≤ Dec 31, 2014					f=(a +b +c -d -e)	g ≤ (f × 25%)								
83	Company-Owned Generation:															
84	Rush Creek	1,790,162	-	2,048,274	614,385	-	3,224,051	-		3,224,051		-	-	-	3,224,051	3,224,051
85	Cheyenne Ridge		-	460,638		-	460,638	-		460,638		-	-	-	460,638	460,638
86	Power Purchase w/RECs:															
87	Cedar Creek	1,036,065	235	499,649		-	1,535,949	383,987		1,919,936		518,356	129,589	647,945	1,271,991	1,017,593
88	Cedar Creek II	786,812	-	379,779		26,700	1,139,891	284,973		1,424,864		244,008	61,002	305,010	1,119,854	895,883
89	Bronco Plains		-	661,642		-	661,642	-		661,642		-	-	-	661,642	661,642
90	Mountain Breeze		-	161,119		-	161,119	-		161,119		-	-	-	161,119	161,119
91	Cedar Point	2,237,348	-	649,891		3,908	2,883,331	720,833		3,604,164		763,829	190,957	954,786	2,649,378	2,119,502
92	Colorado Green	1,301,920	-	247,878		-	1,549,798	387,450		1,937,248		312,253	78,063	390,316	1,546,932	1,237,545
93	Foote Creek III	-				-										
94	Golden West	3,118,385	-	841,864		-	3,960,249	-		3,960,249		941,533	-	941,533	3,018,716	3,018,716
95	Limon Wind	1,512,482	-	536,678		159,361	1,889,799	472,450		2,362,249		572,287	143,072	715,359	1,646,890	1,317,512
96	Limon Wind II	1,152,473	-	551,452		385,321	1,318,604	329,651		1,648,255		549,558	137,390	686,948	961,307	769,046
97	Limon Wind III	1,290,309	-	768,877		567,160	1,492,026	373,007		1,865,033		475,104	118,776	593,880	1,271,153	1,016,922
98	Logan	983,720	-	498,388		79,961	1,402,147	350,537		1,752,684		329,973	82,493	412,466	1,340,218	1,072,174
99	Northern Colorado Wind I	1,277,104	-	401,230		220	1,678,114	419,529		2,097,643		464,444	116,111	580,555	1,517,088	1,213,670
100	Peetz Table	1,111,370	-	578,647	241,817	8,116	1,440,084	360,021		1,800,105		470,410	117,603	588,013	1,212,092	969,674
101	Spring Canyon	413,022	-	172,064		2,953	582,133	145,533		727,666		190,360	47,590	237,950	489,716	391,773
102	Twin Buttes	646,914	-	265,763		-	912,677	228,169		1,140,846		217,636	54,409	272,045	868,801	695,041
103	**Total Non-DG Wind**	18,658,086	235	9,723,833	856,202	1,233,700	26,292,252	4,456,140	-	30,748,392		6,049,751	**1,277,055**	7,326,806	23,421,586	20,242,501
104																
105	**Non-DG Solar**	Non-DG bonus is 1.25 for eligible facilities ≤ Dec 31, 2014					f=(a +b +c -d -e)	g ≤ (f × 25%)								
106	Solar Star III (Hooper)	332,383	-	115,510	68,646		379,247	-		379,247		57,837	-	57,837	321,410	321,410
107	Titan Solar	7,970	-	101,876	102,872		6,974	-		6,974		-	-	-	6,974	6,974
108	Comanche Solar	849,815	-	248,844			1,098,659	-		1,098,659		148,918	-	148,918	949,741	949,741
109	**Total Non-DG Solar**	1,190,168	-	466,230	171,518	-	1,484,880	0.00	0.00	1,484,880		206,755	0	206,755	1,278,125	1,278,125
110																
111	**Total Non-DG**	19,848,254	235	10,190,063	1,027,720	1,233,700	27,777,132	4,456,140	-	32,233,272		6,256,506	1,277,055	7,533,561	24,699,711	21,520,626
112																
113																
114	**Total Renewable Resources**	22,481,256	8,552	11,174,284	1,031,151	1,233,700	31,399,241	5,034,279	3,962	36,437,482	0	7,177,041	1,434,523	8,611,564	27,825,918	24,222,200
115	check (0)	22,481,256	8,552	11,174,284	1,031,151	1,233,700	31,399,241	5,034,279								
116	confirm	22,489,808														

117	Windsource→	241,817
118	Renewable Connect→	102,872
119	Certified Renewable Percent →	686,462
120		1,031,151

122	Delivered from	5/31/2020	12/31/2020	873,027
123	Delivered from	1/31/2021	4/30/2021	360,673
124				1,233,700

Overall Bonus%	
	16.0%

RES Compliance	8,653,360
Less WindSource credit	(41,796)
Retire these RECs + Bonus for the RES	8,611,564

Notes:

(1) RECs presented are NET of transfers and do not include in-state bonus
(2) WREGIS adjustments typically from bonus corrections, true-ups, and rounding
(3) A 25% Bonus only applies to **Retail DG** RECs based on purchase transactions entered into prior to **August 11, 2010**
Only Wholesale DG and Non-DG generators with COD ≤ **12/31/2014** (i.e. less than **01/01/2015**) are eligible for the 25% bonus
A 50% Bonus Applies to Community Based Projects per 3654(g)
(4) 41796 RECs retired for Windsource offsets the 2020 RES

Attachment C- Renewable Energy Credits Acquired/Transferred
Public Service Company of Colorado
2020 Renewable Energy Standard Report

Row	Renewable Resources		Capacity (MW-dc)[1]	RECs Acquired 2020	City of Boulder Transfers 2020	Wholesale Wind Purchases 2020	Wholesale Allocation 2020	Total Retail RECs Available 2020	Capacity Factor Check
	Column Reference		a	b	c	d	e	f	g
	Calculation							f = (b - c - d - e)	g = b / (a × yr hours)
1	**Retail DG Solar Systems**								
2		Small Customer-Owned (<25 kW)	108.14	87,309				87,309	9%
3		Small Third Party Developer (<25 kW)	98.73	117,570				117,570	14%
4		Medium 1 (25.01 - 500 kW)	114.40	134,851				134,851	13%
5									
6		RFP Large	23.20	83,214				83,214	41%
7		RFP Large (COSR)	18.34	30,669				30,669	19%
8		REC Only	2.06	-				0	0%
9		SR Community	65.33	110,388				110,388	19%
10		SR Community Solar Gardens	36.13	64,580				64,580	20%
11									
12	**Retail DG Solar**			628,581	0	0	0	628,581	
13									
14	**Wholesale DG Solar Systems**		**Nameplate Capacity (MW-ac)**	**RECs Acquired**	**City of Boulder Transfers**	**Wholesale Wind Purchases**	**Wholesale Allocation**	**Total RECs Available**	**Capacity Factor Check**
15		Power Purchase w/RECs:							
16		SunE Alamosa	6.200	13,963			0	13,963	26%
17									
18		Cogentrix of Alamosa (KEPCO)	30.000	55,626			4,400	51,226	21%
19		Greater Sandhill I	10.000	25,164			12,669	12,495	29%
20		Greater Sandhill II	9.000	22,647			2,810	19,837	29%
21		San Luis Solar	30.000	76,878			0	76,878	29%
22		SunE at SolarTAC		0			0	0	
23		Amonix at SolarTAC		0			0	0	
24		EPRI at SolarTAC	0.085	115			0	115	15%
25	**Total Wholesale DG Solar**			194,393	0	0	19,879	174,514	
26									

Attachment C - Renewable Energy Credits Acquired/Transferred
Public Service Company of Colorado
2020 Renewable Energy Standard Report

				Nameplate Capacity (MW-ac)	RECs Acquired	City of Boulder Transfers	Wholesale Wind Purchases	Wholesale Allocation	Total RECs Available	Capacity Factor Check
27	**Wholesale DG Wind**									
28		Company Owned Generation								
29			Ponnequin II	-	0				0	
30			Ponnequin III	-	0				0	
31			Ponnequin IV	-	0				0	
32			Ponnequin V	-	0				0	
33			Ponnequin VI	-	0				0	
34		Power Purchase w/RECs:								
35			Northern Colorado Wind II	22.50	64,330			6,587	57,743	33%
36			NREL Siemens	2.30	0			0	0	0%
37			Ponnequin I	-	0				0	
38			Ridgecrest	-	0				0	
39	**Total Wholesale DG Wind**				64,330	0	0	6,587	57,743	
40										
41	**Wholesale DG Biomass**			Nameplate Capacity (MW-ac)	RECs Acquired	City of Boulder Transfers	Wholesale Wind Purchases	Wholesale Allocation	Total RECs Available	Capacity Factor Check
42		Power Purchase w/RECs:								
43			75th St Digester	-	0					
44			WM Denver/Aurora Disposal Site	3.28	20,875			2,120	18,755	72%
45	**Total Wholesale DG Biomass**				20,875	0	0	2,120	18,755	
46										

Attachment C - Renewable Energy Credits Acquired/Transferred
Public Service Company of Colorado
2020 Renewable Energy Standard Report

			Nameplate Capacity (MW-ac)	RECs Acquired	City of Boulder Transfers	Wholesale Wind Purchases	Wholesale Allocation	Total RECs Available	Capacity Factor Check
47	**Wholesale DG Hydropower**								
48		Company-Owned Generation:							
49		Ames	**2.80**	4,664			611	4,053	19%
50		Georgetown I	0.70	2,186			943	1,243	36%
51		Georgetown II	0.70	91			0	91	1%
52		Salida I							
53		Salida II	**0.65**	1,707			376	1,331	30%
54		Shoshone I	7.20	11,447			3,209	8,238	18%
55		Shoshone II	7.20	8,913			410	8,503	14%
56		Tacoma I	2.20	1,663			1,136	527	9%
57		Tacoma II	2.20	811			0	811	4%
58		Power Purchase w/RECs:							
59		Betasso	3.00	7,190	3,597		0	3,593	27%
60		Lakewood	3.50	8,388	4,192		0	4,196	27%
61		Silver Lake	3.30	7,821	3,910		0	3,911	27%
62		Kohler		0					
63		Maxwell		0					
64		Orodell		0					
65		Sunshine		0					
66		Dillon Dam	1.80	11,984			2,501	9,483	76%
67		Foothills	3.10	5,455			0	5,455	20%
68		Hillcrest	2.00	5,528			0	5,528	31%
69		Roberts Tunnel	5.50	8,935			0	8,935	18%
70		Strontia Springs	1.00	7,179			491	6,688	82%
71		Gross Reservoir	7.80	17,902			0	17,902	26%
72		Ute Hydro	0.23	617			0	617	31%
73		Redlands	1.40	7,617			0	7,617	62%
74		Stagecoach							
75		Grand Valley	1.50	3,353			400	2,953	25%
76		Orchard Mesa	1.50	3,353			400	2,953	25%
77									
78	**Total Wholesale DG Hydropower**			126,804	11,699	0	10,477	104,628	
80	**Total Wholesale DG**			406,402	11,699	0	39,063	355,640	
81									

Attachment C- Renewable Energy Credits Acquired/Transferred
Public Service Company of Colorado
2020 Renewable Energy Standard Report

				Nameplate Capacity (MW-ac)	RECs Acquired	City of Boulder Transfers	Wholesale Wind Purchases	Wholesale Allocation	Total RECs Available	Capacity Factor Check
82	**Non-DG Wind**									
83		Company-Owned Generation:								
84			Rush Creek	600.00	2,048,274			0	2,048,274	39%
85			Cheyenne Ridge	499.00	460,638			0	460,638	11%
86		Power Purchase w/RECs:								
87			Cedar Creek	300.50	790,014			290,365	499,649	30%
88			Cedar Creek II	250.80	677,728			297,949	379,779	31%
89			Bronco Plains	300.00	661,642			0	661,642	25%
90			Mountain Breeze	171.72	161,119			0	161,119	11%
91			Cedar Point	252.00	710,180			60,289	649,891	32%
92			Colorado Green	162.00	247,878			0	247,878	17%
93			Foote Creek III							
94			Golden West	249.40	841,864			0	841,864	38%
95			Limon Wind	200.00	711,044			174,366	536,678	40%
96			Limon Wind II	200.00	611,205			59,753	551,452	35%
97			Limon Wind III	200.60	812,019			43,142	768,877	46%
98			Logan	201.00	556,615			58,227	498,388	32%
99			Northern Colorado Wind I	151.80	401,230			0	401,230	30%
100			Peetz Table	199.50	671,745			93,098	578,647	38%
101			Spring Canyon	60.00	182,052			9,988	172,064	35%
102			Twin Buttes	75.00	265,763			0	265,763	40%
103	**Total Non-DG Wind**				10,811,010	0	0	1,087,177	9,723,833	
104										

Attachment C- Renewable Energy Credits Acquired/Transferred
Public Service Company of Colorado
2020 Renewable Energy Standard Report

			Nameplate Capacity (MW-ac)	RECs Acquired	City of Boulder Transfers	Wholesale Wind Purchases	Wholesale Allocation	Total RECs Available	Capacity Factor Check
105	**Non-DG Solar**								
106		Solar Star III (Hooper)	50.00	125,372			9,862	115,510	29%
107		Titan Solar	50.00	101,876			0	101,876	23%
108		Comanche Solar	120.00	291,353			42,509	248,844	28%
109	**Total Non-DG Solar**			518,601	0	0	52,371	466,230	
110									
111	**Total Non-DG**			11,329,611	0	0	1,139,548	10,190,063	
112									
113	**Total Renewable Resources**	Retail DG + Wholesale DG + Non-DG		12,364,594	11,699	0	1,178,611	11,174,284	
114									
115	**Notes:**								
116									
117	(1)	Retail DG solar capacity presented in DC; all other generators presented in AC							
118									

Attachment C- RECs Acquired Compliance Plan vs Report

Public Service Company of Colorado

2020 Renewable Energy Standard Report

Row	Renewable Resources	RECs Acquired 2020 RES Compliance Plan*	2020 RES Compliance Report	Percent Difference
	Column Reference	a	b	c
	Calculation			(b-a) / a
1	**Retail DG Solar Systems**	702,588	628,581	**-11%**
2				
3	**Wholesale DG Solar Systems**	201,681	194,393	**-4%**
4				
5	**Wholesale DG Wind**	71,428	64,330	**-10%**
6				
7	**Wholesale DG Biomass**	20,198	20,875	**3%**
8				
9	**Wholesale DG Hydro**	208,569	126,804	**-39%**
10				
11	**Non-DG Wind**	10,335,766	10,811,010	**5%**
12				
13	**Non-DG Solar**	578,182	518,601	**-10%**
14				
15	**Total Renewable Resources**	12,118,411	12,364,594	**2%**

*The 2020 Renewable Energy Standard Compliance Plan's Table 4-3 populated the "2020 RES Compliance Plan" values in column 'a' above

Attachment C- Certified Renewable Percent
Public Service Company of Colorado
2020 Renewable Energy Standard Report

Row	All values in MWh|RECs unless otherwise noted	2020
1	**Colorado Sales**	
2	Total PSCo Retail Sales	28,844,533
3	Total PSCo Trade Margin Sales	488,923
4	Trade Margin Sales as a percent of Total Sales	1.7%
5		
6	**RECs Allocated to CO**	
7	Solar*Rewards Community (CSG)	174,968
8	Wholesale DG RECs|Gen	406,402
9	Non DG RECs|Gen	11,329,611
10		11,910,981
11		
12	Small Customer-Owned (<25 kW)	87,309
13	Small Third Party Developer (<25 kW)	117,570
14	Medium 1 (25.01 - 500 kW)	134,851
15	RFP Large	113,883
16	RFP Large (off-grid)	(50,830.55)
17	REC Only	-
18	Solar Rewards Generation	402,782
19		
20	Total CO Renewable Gen	12,313,763
21		
22	**Adjustments**	
23	Trade Margin Adjustment	205,243
24	Purchased RECs	0
25	Wholesale Transfers: IREA, Yampa Valley, Holy Cross, Grand Valley, and Burlington	1,178,611
26	Wholesale Transfers: Boulder	11,699
27	REC Sales	1,233,700
28		
29	**REC Retirements and Attribution**	
30	RES Obligation %	30%
31	RECs retired for RES compliance	8,653,360
32	Renewable*Connect Sales	102,872
33	Windsource Sales	241,817
34		
35	**CRP Calculation**	
36	CRP Numerator	9,339,822
37		
38	CRP Denominator	29,247,315
39		
40	**Certified Renewable Percentage**	**31.93%**
41		
42	**Additional RECs to retire for CRP**	686,462
43		
44		
45	Total PSCo Retail Sales	28,844,533
46	RECs retired for RES compliance	8,653,360
47	**Additional RECs to retire for CRP**	686,462
48	Total RECs retired for RES & CRP	9,339,822
49		
50	RES Compliance%	30.0%
51	Additional % beyond RES	1.9%
52	**Certified Renewable Percentage**	**31.93%**

Attachment D

Attachment D
Public Service Company of Colorado
2020 Renewable Energy Standard Compliance Report

	A	B	C	D	E	F	G	H	I	J	K	L	M	N	O
	Total Renewable Energy Costs*					RESA Related Revenues				RESA Related Expenditures		RESA Balance			
	On-Site Solar Costs	Central Solar Costs	Wind Energy Costs	Other Renewable Energy Costs	Total Renewable Energy Costs	RESA Rider Revenue	Windsource Revenue	REC Margins	Total RESA Revenue**	Incremental Costs	RESA/ WRGIS/ Windsource ADM	Annual Excess / (Deficiency)	Interest	Annual Excess / (Deficiency)	Rolling Balance
												Deferred Rolling Balance at December 31, 2019			$39,798,215
Model - 2020	$48,418,979	$61,771,807	$281,281,000	$0	$391,471,786	$52,474,134	$3,138,870	$0	$58,856,531	$51,598,700	$1,501,142	$5,756,690	$3,573,921	$9,330,611	$55,384,894
Adjusted Actual 2020	$43,430,261	$58,706,601	$144,003,693	$0	$246,140,556	$52,361,381	$3,617,300	$7,181,334	$63,160,014	$51,191,133	$1,722,116	$10,246,766	$3,057,176	$13,303,942	$51,325,651
Delta***	$4,988,717	$3,065,206	$137,277,306	$0	$145,331,230	$112,754	($478,430)	($7,181,334)	($4,303,483)	$407,567	($220,974)	($4,490,076)	$516,745	($3,973,331)	$4,059,244

***Note: Delta = Modeled minus Adjusted Actual

	Onsite Solar
S*R RECs	25,553,034
CEO Low Income Rooftop	941,248
S*RC - REC	4,426,304
S*RCS Tariff	12,509,676
Total	$ 43,430,261

	Solar
SunE Alamosa	3,058,007
Sunpower	7,235,376
Congentrix of Alamosa	7,708,389
San Luis Solar	10,787,649
Comanche Solar	18,716,766
Solar Star	7,644,704
Titan Solar (R*C)	3,555,709
Total	$ 58,706,601

	Wind
Bronco Plain	7,756,530
Cedar Creek II	40,440,383
Cedar Point Wind, LLC	50,582,988
Mountain Breeze	2,482,621
Golden West	25,712,724
Limon I	24,843,953
Limon II	21,143,183
Limon III	21,976,818
Northern CO Wind II	4,696,637
Northern CO Wind	26,870,534
Colorado Green	2,796,335
Ridge Crest	1,613,972
Rush Creek/Cheyenne Ridge (See Attachment F)	(86,912,985)
Total	$ 144,003,693

*ECA Unlocked & Locked Resources (Tables 7-2(a) & 7-2(b)).
**Includes Wholesale Customer RESA RJA Credit.

	Incremental Costs
S*R	
Pre-2009 - 2017	25,553,034
CEO Low Income Rooftop	941,248
On-site Avoided	(25,293,233)
	$ 1,201,048

	Incremental Costs
S*R Community	
S*RC	4,426,304
S*RC Sub/Unsubscribed	-
	$ 4,426,304
Utility Solar	
Sunpower (Sandhill)	4,023,333
SunE Alamosa	1,724,100
San Luis	5,659,125
Comanche Solar	1,872,442
Solar Star	315,881
	$ 13,594,881
Wind	
Bronco Plain	(144,161)
Cedar Point	17,674,547
Cedar Creek II	13,950,420
Mountain Breeze	881,648
Limon I	(1,575,268)
Limon II	(1,837,371)
Limon III	(7,183,105)
Northern CO Wind	9,483,545
Northern CO Wind II	1,915,124
Colorado Green	337,378
Ridge	(838,589)
Golden West	(4,254,656)
Rush Creek/Cheyenne Ridg	3,415,224
	31,968,899
Total	$ 51,191,133

Attachment E

RES Compliance Report 2020
Attachment E

Technology	Contract	Generator	2020 Total Cost	2020 RESA Cost	2020 ECA Cost	2020 Renewable* Connect Cost
Hydro	City of Boulder	Betasso/Silverlake	$ 437,078.27	$ -	$ 437,078.27	
Hydro	City of Boulder	Kohler	$ -	$ -	$ -	
Hydro	City of Boulder	Maxwell	$ -	$ -	$ -	
Hydro	City of Boulder	Orodell	$ -	$ -	$ -	
Hydro	City of Boulder	Sunshine	$ -	$ -	$ -	
Hydro	Denver Water Board	Dillon Dam	$ 347,769.99	$ -	$ 347,769.99	
Hydro	Denver Water Board	Foothills	$ 176,483.76	$ -	$ 176,483.76	
Hydro	Denver Water Board	Gross Reservoir	$ 509,051.51	$ -	$ 509,051.51	
Hydro	Denver Water Board	Hillcrest	$ 162,527.84	$ -	$ 162,527.84	
Hydro	Denver Water Board	Roberts Tunnel	$ 254,639.55	$ -	$ 254,639.55	
Hydro	Denver Water Board	Strontia Springs	$ 209,393.74	$ -	$ 209,393.74	
Hydro	Grand Valley Water Users Association	Grand Valley Water Users Association	$ 134,125.46	$ -	$ 134,125.46	
Hydro	Orchard Mesa Irrigation District	Orchard Mesa Irrigation District	$ 134,125.46	$ -	$ 134,125.46	
Hydro	Redlands Water & Powr Company	Redlands Water & Powr Company	$ 254,675.51	$ -	$ 254,675.51	
Hydro	STS Hydropower, LTD.	STS - Mt. Elbert	$ -	$ -	$ -	
Hydro	Black Hills	Black Hills	$ 4,362.00	$ -	$ 4,362.00	
Hydro	Brush 2	Brush 2	$ 179,704.06	$ -	$ 179,704.06	
Hydro	Ute Hydro	Ute Hydro	$ 33,546.98	$ -	$ 33,546.98	
Biomass/LT	WM Renewable Energy, LLC	WM Renewable Energy, LLC	$ 1,347,441.21	$ -	$ 1,347,441.21	
			$ 4,184,925.34	**$ -**	**$ 4,184,925.34**	**$ -**
Solar	Sunpower	SNDHL	$ 7,235,376.29	$ 4,023,332.72	$ 3,212,043.57	
Solar	Miscellaneous Retail Solar Purchases	Miscellaneous Retail Solar Purchases	$ 281,934.90	$ -	$ 281,934.90	
Solar	Solar Gardens subscribed/Unsubscribed	Solar Gardens subscribed/Unsubscribed	$ 12,359,516.11	$ 2,478,692.56	$ 9,880,823.55	
Solar	Cogentrix of Alamosa	Cogentrix of Ala	$ 7,708,389.18	$ -	$ 7,708,389.18	
Solar	San Luis Solar LLC	San Luis Solar LLC	$ 10,787,649.22	$ 5,659,125.17	$ 5,128,524.05	
Solar	SunEAlamosa	SunEAlamosa	$ 3,058,007.33	$ 1,724,100.38	$ 1,333,906.95	
Solar	EPRI Solar Tac	EPRI Solar Tac	$ -	$ -	$ -	
Solar	Comanche Solar PV, LLC	Comanche Solar PV, LLC	$ 18,716,766.29	$ 1,872,441.65	$ 16,844,324.64	
Solar	Solar Star	Solar Star	$ 7,644,704.11	$ 315,881.15	$ 7,328,822.96	
Solar	Solar Gardens subscribed/Unsubscribed	Solar Gardens subscribed/Unsubscribed	$ 150,159.47		$ 150,159.47	
Solar	Titan Solar, LLC	Titan Solar	$ 3,555,708.79	$ -	$ -	$ 3,555,708.79
		Total Solar	**$ 71,498,211.69**	**$ 16,073,573.62**	**$ 51,868,929.28**	**$ 3,555,708.79**
Wind	Alstom Power Inc	Alstom Power Inc	$ -	$ -	$ -	
Wind	Bronco Plain	Bronco Plain	$ 7,756,529.59	$ (144,160.82)	$ 7,900,690.41	
Wind	Cedar Creek	CdrCrk	$ 42,325,646.58	$ -	$ 42,325,646.58	
Wind	Cedar Creek II	Cedar Creek II	$ 40,440,382.78	$ 13,950,420.38	$ 26,489,962.40	
Wind	Cedar Point Wind, LLC	Cedar Point Wind, LLC	$ 50,582,988.19	$ 17,674,547.14	$ 32,908,441.05	
Wind	Mountain Breeze	Mountain Breeze	$ 2,482,621.43	$ 881,648.01	$ 1,600,973.42	
Wind	Gamesa Wind US, LLC	Gamesa Wind US, LLC	$ 10,019.48	$ -	$ 10,019.48	
Wind	Golden West Power Partners	Golden West Power Partners	$ 25,712,723.51	$ (4,254,655.63)	$ 29,967,379.14	
Wind	Limon I	Limon I	$ 24,843,952.89	$ (1,575,267.67)	$ 26,419,220.56	
Wind	Limon II	Limon II	$ 21,143,183.09	$ (1,837,370.90)	$ 22,980,553.99	
Wind	Limon III	Limon III	$ 21,976,817.96	$ (7,183,104.79)	$ 29,159,922.75	
Wind	Logan	Logan	$ 31,551,438.88	$ -	$ 31,551,438.88	
Wind	National Renewable Energy Laboratory	National Renewable Energy Laboratory	$ 8,505.73	$ -	$ 8,505.73	
Wind	Northern CO Wind Energy II	NCoWndII	$ 4,696,637.15	$ 1,915,124.31	$ 2,781,512.84	
Wind	Northern Colorado Wind Farm	NCoWnd	$ 26,870,533.60	$ 9,483,544.75	$ 17,386,988.85	
Wind	PacifiCorp	COLOGREEN	$ 2,796,335.47	$ 337,377.64	$ 2,458,957.83	
Wind	Peetz Table	Peetz Table	$ 34,256,934.30	$ -	$ 34,256,934.30	
Wind	Ridge Crest Wind Partners, LLC	RIDGECREST	$ 1,613,972.43	$ (838,588.83)	$ 2,452,561.26	
Wind	Siemens Energy, Inc.	Siemens Energy, Inc.	$ 60,684.66	$ -	$ 60,684.66	
Wind	Spring Canyon Energy LLC (Invenergy)	SprCanWind	$ 6,988,836.70	$ -	$ 6,988,836.70	
Wind	Twin Buttes	TWNBTS	$ 13,652,266.92	$ -	$ 13,652,266.92	
Wind	Transfers for the Trading Book		$ 276,838.53		$ 276,838.53	
Wind	Owned	Rush Creek / Cheyenne Ridge	$ (86,912,984.82)	$ 3,415,224.27	$ (86,912,984.82)	
			$ 273,134,865.05	**$ 31,824,737.87**	**$ 244,725,351.46**	**$ -**
		Total	**$ 348,818,002.08**	**$ 47,898,311.49**	**$ 300,779,206.08**	**$ 3,555,708.79**
Onsite	Avoided Costs		$ -	$ (25,293,233.00)	$ 25,293,233.00	
		Total Incremental Costs	**$ 348,818,002.08**	**$ 22,605,078.49**	**$ 326,072,439.08**	**$ 3,555,708.79**
Onsite	Common to All Programs		$ -	$ -		
Onsite	Customer Sited Solar < 10 kW		$ 9,031,425.46	$ 9,031,425.46		
Onsite	Customer Sited Solar >10 kW -500 kW		$ 9,503,789.62	$ 9,503,789.62		
Onsite	Customer Sited Solar Large RFP		$ 7,017,818.45	$ 7,017,818.45		
Onsite	Small 3rd Party Developer		$ -	$ -		
Onsite	Non-Customer Sited Solar		$ -	$ -		
Onsite	Wholesale Costs		$ -	$ -		
Onsite	Solar Gardens 10-50kW		$ 4,426,304.46	$ 4,426,304.46		
Onsite	Solar Gardens 50.01 - 500 kW		$ -	$ -		
Onsite	Solar Gardens 500.01 - kW - 2MW		$ -	$ -		
Onsite	Low Income Rooftop Solar		$ 941,247.86	$ 941,247.86		
		Total Other RESA Expense	**$ 30,920,585.85**	**$ 30,920,585.85**		

2020 Average Hourly Incremental Cost (AHIC) was $0.0115 per kWh.
Solar Rewards Community volumes purchased at AHIC in 2020 was 3,569,774 kWh.

$ 53,525,664.34	**$ 326,072,439.08**	**$ 3,555,708.79**

Attachment F

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 RESA 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 modeled and actual RESA incremental costs. This Attachment F is being provided in compliance with this requirement

Two attachments to this report provide the support for this Attachment: Attachments D and E. Attachment D of this report generally presents the differences between the forecasted incremental costs set forth in Table 7-2(a) through (c) in the 2020-21 Plan as filed by Company witness Jack W. Ihle in Direct Testimony, Attachment JWI-2, and the actual RESA 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 E 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.

II. Analysis

The Company performs modeling according to Rule 3661 to determine the amount of costs for eligible energy resources to be allocated between the ECA deferred account and the RESA deferred account.

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 installed after July 2, 2006. 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 is described in detail under the 2017-19 Plan Volume I Section 8 and is incorporated into this Attachment F by reference.

Each month the Company submits to the Commission a "Monthly RESA Report" that is filed under Proceeding No. 06S-016E. 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 (including Solar*Rewards Community) are set forth under the heading "Expenditure by Type".

The Solar*Rewards® (including Solar*Rewards Community) 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 costs for the entire Solar*Rewards® program. These total costs are set forth in the Monthly RESA Report both in the "Summary" Tab and as detailed in separate Tabs for the small, medium and large programs.

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

The below comparisons of forecasted, or modeled, costs to actual costs are based upon the updated costs presented in Attachment JWI-2. The Company believes that a delta of $1 million or more requires an explanation for reporting purposes. All detailed calculations for resources comparing forecasted costs to actual costs by category are provided in Attachment D.

A. Column A – On-Site Solar Costs

Column A labeled New On-Site Solar Costs reflects a difference in costs of is nearly $5. This variance is attributable to a steady decline in participation that the Company has seen in its Solar*Rewards program over the last few years and is less than was originally modeled.

B. Column B – Central Solar Costs

Column B labeled New Central Solar Costs reflects a difference in costs of is $3 million. This variance is attributable to modeled production differences amongst the central solar resources as compared to actual costs.

C. Column C – Wind Energy Costs

Column C labeled Wind Energy Costs reflects a difference in costs of $137.3 million. This variance is largely attributable to the shift of Rush Creek capital revenue requirements from the ECA to base rates. This result leaves the production tax credits generated by Rush Creek to be absorbed by the ECA. Additionally, Cheyenne Ridge was anticipated to be operational in late 2020 and came online earlier in 2020. The net effect of each of these components results in the $87 million

credit for the ECA as shown in Attachment D. Base rate capital costs are not presented in this attachment. The balance of the variance is attributable to the addition of two resources that went operational earlier than originally modeled (Bronco Plain 299.36 MW and Mountain Breeze 171.72 MW, both were expected to be operational in 2021) and to generally higher actual to modeled production for these resources.

D. Column E – Total Renewable Energy Costs

The differences for Total Renewable Energy Costs is the result of the differences generated from Columns A through C but predominately from the difference in Wind Energy Costs.

E. Column H – REC Margins

Column H labeled REC Margins reflect the customers' share of the margins generated from the selling of RECs. The $7.2 million variance simply reflects the fact that no REC sales were projected for 2020, however the Company did sell RECs in 2020.

F. Column I – Total RESA Revenue

The differences for Total RESA Revenue is the result of the differences generated from Columns F through H and is predominately attributable to the proceeds from REC Margins.

G. Column L – Annual Excess or Deficiency

Column L labeled Annual Deficiency reflects the actual and forecasted amounts of the annual deficiency in the RESA balance. The actual annual

deficiency in 2020 was $10.2 million meaning there was more revenues than costs being applied to the account. This is reflected by the difference between Column I - Total RESA Revenues minus Columns J and K (RESA Related Expenditures). This difference is mainly attributable to the $7.2 million in REC Margins

H. Column N – Annual Excess or Deficiency

The total shown on Attachment D reflects the cumulative effect of the actual costs as compared to the forecasted costs along with the interest component which include all associated variances previously described.

I. Column O - Rolling Balance

The Rolling Balance is the culmination of the 2020 year-end RESA balance plus the annual excess or deficiency with interests. The variance is reflective of those described above for Column L.

Attachment G

Solicitation	Capacity Award Recipient	Current Garden Owner	Garden Name	Garden Street or Lat/Long	Garden City	Garden Zip Code	Garden County	Name Plate Capacity (kW DC)	Name Plate Capacity (kW AC)	Operational
	Ecoplexus, Inc.	Greenbacker Group	Mesa CSG	2930 D 1/4 Road	Grand Junction	81594	MESA	1999.8	1640	Y
	Ecoplexus, Inc.	Greenbacker Group	Sterling CSG	13401 Riverside Drive	Sterling	80751	LOGAN	1999.8	1500	Y
2012 RFP	Clean Energy Collective	Clean Energy Collective	CEC Solar #1023, LLC	21560 W 56th Ave. Unit A	Golden	80007	JEFFERSON	569.17	420	Y
	Community Energy Solar	Community Energy Solar	Community Energy Solar Garden 2	710 East County Line Road, Parcel Number 146536000031	Lafayette	80026	BOULDER	498.3	400	Y
	Clean Energy Collective	Clean Energy Collective	CEC Solar #1020, LLC	12920 CO Highway 9	Breckenridge	80424	SUMMIT	499.515	400	Y
	Clean Energy Collective	Clean Energy Collective	CEC Solar #1026, LLC	21560 W 56th Ave. Unit B	Golden	80403	JEFFERSON	115.15	90	Y
	Clean Energy Collective	Clean Energy Collective	Breck Solar 1, LLC	7581 E Academy Blvd.	Denver	80230	DENVER	400.075	325	Y
	Clean Energy Collective	Clean Energy Collective	Mesa Solar 1, LLC	1600 66th St	Boulder	80303	BOULDER	496.455	400	Y
	Clean Energy Collective	Clean Energy Collective	Summit Solar 1, LLC	710 Wellington Rd	Breckenridge	80424	SUMMIT	497.97	400	Y
	Clean Energy Collective	Clean Energy Collective	GC Solar 2, LLC	5050 N Telluride	Denver	80239	DENVER	499.17	400	Y
	Clean Energy Collective	Clean Energy Collective	CEC Solar #1037, LLC	790 N. Tower Rd. Unit SRC010509	Aurora	80011	ARAPAHOE	499.895	400	Y
	Community Energy Solar	Community Energy Solar	Community Energy Solar Garden 1	760 East County Line Road, Parcel Number 146536000054	Lafayette	80026	BOULDER	498.3	400	Y
2012 Standard Offer	Clean Energy Collective	Clean Energy Collective	Can Solar 1, LLC	790 Tower Road	Aurora	80012	ARAPAHOE	498.01	400	Y
	SunShare LLC	NRG	Adams	4976 1/2 Imboden Rd	Watkins	80137	ADAMS	1496.1	1200	Y
	SunShare LLC	Real Capital Solutions	Alkire	9105 Alkire Street	Arvada	80005	JEFFERSON	1496.88	1200	Y
2013 RFP	SunShare LLC	NRG	Adams III	5011 1/2 Imboden Rd	Waktins	80137	ADAMS	1499.4	1200	Y
	SunShare LLC	NRG	Denver II	UNIT SRC 18664 17897 E 51ST AVE	Denver	80249	DENVER	499.4	416	Y
	SunShare LLC	NRG	Adams II	5051 1/2 Imboden Rd	Watkins	80137	ADAMS	497.2	416	Y
	Community Energy Solar	Community Energy Solar	AntE	106 E. 1st Avenue	Antonito	81120	CONEJOS	500	410.4	Y
	Clean Energy Collective	Clean Energy Collective	CEC Solar #1021, LLC	5050 N Telluride	Denver	80010	DENVER	499.03	400	Y
	SunShare LLC	NRG	Arapahoe I	31481 E County Road 18 (Jewell)	Watkins	80137	ARAPAHOE	499.3	400	Y
	SunShare LLC	NRG	Adams I	5061 1/2 Imboden Rd	Waktins	80137	ADAMS	497.2	416	Y
	Clean Energy Collective	Clean Energy Collective	CEC Solar #1022, LLC	987 5th St SW	Leadville	80461	LAKE	499.9	400	Y
	SunShare LLC	NRG	Denver I	UNIT SRC 18663 17797 E 51ST AVE	Denver	80249	DENVER	499.4	416	Y
2013 Standard Offer	Clean Energy Collective	Clean Energy Collective	CEC Solar #1025, LLC	1600 S. 66th St	Boulder	80301	BOULDER	499.9	400	Y
	Clean Focus Renewables	Clean Focus Renewables	CEC Solar #1121, LLC	28102 E. Quincy Ave.	Aurora	80138	ARAPAHOE	1984.5	1764	Y
	Clean Focus Renewables	Clean Focus Renewables	CEC Solar #1128, LLC	12010 HWY 61	Sterling	80751	LOGAN	1987.2	1500	Y
	Clean Focus Renewables	Clean Focus Renewables	CEC Solar #1119	13727 US 285	La Jara	81140	CONEJOS	1987.2	1500	Y
	Clean Focus Renewables	Clean Focus Renewables	CEC Solar #1122, LLC	33850 E 38th Ave	Watkins	80137	ADAMS	1984.5	1764	Y
	Clean Focus Renewables	Clean Focus Renewables	CEC Solar #1130, LLC	5260 Imboden Rd.	Watkins	80137	ADAMS	1987.2	1500	Y
	SunShare LLC	WGL	Imboden IV	5137 Imboden Rd Unit B	Waktins	80137	ADAMS	1997.28	1500	Y
	SunShare LLC	AEP	Imboden III	33975 E. 48th Ave.	Watkins	80137	ADAMS	1999.5	1500	Y
	SunShare LLC	WGL	Imboden V	5135 Imboden Rd. Unit B	Watkins	80137	ADAMS	1997.28	1500	Y
	Clean Focus Renewables	Clean Focus Renewables	CEC Solar #1133, LLC	15990 CR 29	Platteville	80651	WELD	1984.5	1500	Y
	SunShare LLC	WGL	Gilcrest Solar Garden	14228 County Road 42	Gilcrest	80623	WELD	1994.85	1500	Y
	SunShare LLC	WGL	Hudson Solar Garden	5900 Hudson Road	Watkins	80137	ADAMS	1994.85	1500	Y
	SunShare LLC	AEP	Imboden II Solar Garden	5135 Imboden Road Unit A	Watkins	80137	ADAMS	1999.5	1500	Y
	SunShare LLC	WGL	Quincy Solar Garden	37055 E. County Road 30	Watkins	80136	ARAPAHOE	1994.85	1500	Y
	SunShare LLC	AEP	Quincy II Solar Garden	28102 E. Quincy Ave UNIT SRC042456	Aurora	80138	ARAPAHOE	1999.5	1500	Y
2015 RFP	Community Energy Solar	Community Energy Solar	San Luis Solar Garden	37980 State Highway 17	Antonito	81120	CONEJOS	1500	1200	Y
	Pivot Energy	Standard Solar Inc.	Spark 2	2500 Lawrence St. unit 050356	Denver	80205	DENVER	70.72	100	Y
	Pivot Energy	Standard Solar Inc.	GHA Solar Garden	540 Parachute Ave	Parachute	81635	GARFIELD	99.45	72	Y
	DRV Shared Solar	DRV Shared Solar	Centennial I	14252 CR 36, Phase I	Platteville	80651	WELD	97.5	99.6	Y
	Pivot Energy	Standard Solar Inc.	Spark 1	2500 Lawrence unit 050353	Denver	80205	DENVER	69.02	100	Y
2015 Standard Offer	Pivot Energy	Standard Solar Inc.	Stanley Marketplace	2501 Dallas St	Aurora	80010	ADAMS	99.45	100	Y
2016 LI RFP	DHA	DHA	100% Low-Income Community-Based Solar Ga	2950-A North Hudson Road	Watkins	81137	DENVER	1996	1500	Y
	Greenbacker Group	Greenbacker Group	Alamosa01 (Wisecamp)	8545 Ironfield Road	Alamosa	81101	ALAMOSA	1997.1	1500	Y
	Community Energy Solar	Community Energy Solar	Alamosa South CSG	399 Twentieth St.	Alamosa	81101	ALAMOSA	1995.84	1560	Y
	Greenbacker Group	Greenbacker Group	Anderson	14684 County Road 36	Platteville	80651	WELD	1997.1	1500	Y
	Greenbacker Group	Greenbacker Group	DIA 1	27400 E 114th Ave	Denver	80249	DENVER	1997.1	1500	Y
	Greenbacker Group	Greenbacker Group	McCormick	11485 County Road 36	Platteville	80651	WELD	1184	1500	Y
	Greenbacker Group	Greenbacker Group	Lantz	10752 County Road 140	Salida	81201	CHAFFEE	1998	1500	Y
	Greenbacker Group	Greenbacker Group	Cameo01	956 Highline Canal Rd	Cameo	81526	MESA	1997.1	1500	Y
	Pivot Energy	Standard Solar Inc.	Denver SLB	Unit SRC053579 17255 Green Valley Ranch Blvd	Denver	80239	DENVER	994.5	600	Y
	Pivot Energy	Standard Solar Inc.	DU CSG 1 LLC	Unit SRC053578 5260 ? 1/2 Imboden Rd	Watkins	80137	DENVER	497.25	400	Y
	Community Energy Solar	Community Energy Solar	Rock Creek Solar 2 CSG LLC	7524 Rd 12 S.	Alamosa	81101	ALAMOSA	1995.84	1560	Y
	Community Energy Solar	Community Energy Solar	Lafayette Horizon Solar CSG LLC	1385 Horizon Ave	Lafayette	80026	BOULDER	1995.84	1500	Y
	Pivot Energy	Standard Solar Inc.	Mesa CSG 2 LLC	3411 C RD	Palisade	81526	MESA	1994.85	1500	Y
	Community Energy Solar	Community Energy Solar	Rock Creek Solar 1 CSG LLC	7524 Rd 12 S	Alamosa	81101	ALAMOSA	1995.84	1500	Withdrawn
	Greenbacker Group	Greenbacker Group	Lowry State Land Board	29100 B E County Road 30/Quincy Avenue	Watkins	80137	ARAPAHOE	1997.1	1500	Y
	Greenbacker Group	Greenbacker Group	DIA 2	27905 E 112th Ave	Denver	80249	DENVER	1997.1	1500	Y
	Greenbacker Group	Greenbacker Group	Linnebur	5900 Hudson Road	Watkins	80137	ADAMS	1997.1	1500	Y
	Greenbacker Group	Greenbacker Group	Tebo01	UNIT SRC053967 36585B E COUNTY ROAD 30	Watkins	80137	ARAPAHOE	1997.1	1500	Y
	Greenbacker Group	Greenbacker Group	Rifle	2585 W. Centennial Parkway	Rifle	81650	GARFIELD	1997.1	1500	Y
	Greenbacker Group	Greenbacker Group	Greeley-Weld Airport	2451 E. 8th St.	Greeley	80631	WELD	1997.1	1500	Y
	Greenbacker Group	Greenbacker Group	Tebo02	UNIT SRC053968 39299 E COUNTY ROAD 30	Watkins	80137	ARAPAHOE	1997.1	1500	Y
	Community Energy Solar	Community Energy Solar	Monte Vista Solar 2 CSG LLC	283 S Co. Rd 3 E	Monte Vista	81144	RIO GRANDE	1995.84	1500	Y
	Pivot Energy	Standard Solar Inc.	Mesa CSG 1 LLC	2169 River Road	Grand Junction	81505	MESA	1993.68	1500	Y
	Community Energy Solar	Community Energy Solar	Blanca Peak Solar CSG LLC	28614 Highway 159	Fort Garland	81133	COSTILLA	1995.84	1560	Withdrawn
	Community Energy Solar	Community Energy Solar	Monte Vista Solar CSG LLC	9026 Co Rd. 2 E	Monte Vista	81144	RIO GRANDE	1995.84	1500	Withdrawn
	Greenbacker Group	Greenbacker Group	Alden Solar CSG, LLC	31432 Weld County Rd 51	Greeley	80631	WELD	1995.84	1560	Y
	Community Energy Solar	Community Energy Solar	Romeo Solar 3 CSG LLC	13148 US Hwy 285	Romeo	81140	CONEJOS	1270.08	1500	Withdrawn
	Greenbacker Group	Greenbacker Group	Platteville Solar CSG LLC	15763 Weld County Road 31	Platteville	80651	WELD	1632.96	1260	Y
	Native Suns	Native Suns	Morrison	17179 state hwy 74	Morrison	80465	JEFFERSON	1000	790	Y
	Community Energy Solar	Community Energy Solar	Watkins Solar CSG LLC	29050 E Quincy Ave	Watkins	80137	WELD	1995.84	1500	Withdrawn
	Native Suns	Native Suns	Table Mountain	3201 West 32nd Avenue	Golden	80401	JEFFERSON	1995.84	2000	N
2016 RFP	Community Energy Solar	Community Energy Solar	Poncha Solar CSG LLC	7735 US-285	Salida	81201	CHAFFEE	2000	1500	Withdrawn
	Pivot Energy	Pivot Energy	Mtn Solar 17	5199 Ivy St	Commerce City	80022	DENVER	100	77	Withdrawn
	Pivot Energy	Pivot Energy	Mtn Solar 15	5199 Ivy St	Commerce City	80022	DENVER	100	77	Withdrawn
	Pivot Energy	Pivot Energy	Mtn Solar 11	18457 CO Road	Fort Morgan	80701	MORGAN	100	77	Withdrawn
	Pivot Energy	Pivot Energy	Mtn Solar 9	18457 CO Road	Fort Morgan	80701	MORGAN	100	77	Withdrawn
	Pivot Energy	Pivot Energy	Mtn Solar 16	5199 Ivy St	Commerce City	80022	DENVER	100	77	Withdrawn
	Pivot Energy	Pivot Energy	Mtn Solar 8	1300 East View Drive	Boulder	80303	BOULDER	100	77	Withdrawn
	Pivot Energy	Pivot Energy	Mtn Solar 10	18457 CO Road	Fort Morgan	80701	MORGAN	100	77	Withdrawn
	Pivot Energy	Pivot Energy	Mtn Solar 13	10100 West Ute Ave	Littleton	80127	JEFFERSON	100	77	Withdrawn
	Pivot Energy	Pivot Energy	Mtn Solar 12	10100 West Ute Ave	Littleton	80127	JEFFERSON	100	77	Withdrawn
	Pivot Energy	Pivot Energy	Mtn Solar 14	10100 West Ute Ave	Littleton	80127	JEFFERSON	100	77	Withdrawn
	Pivot Energy	Pivot Energy	Mtn Solar 7	1300 East View Drive	Boulder	80303	BOULDER	100	77	Withdrawn
	Pivot Energy	Pivot Energy	Mtn Solar 6	1300 East View Drive	Boulder	80303	BOULDER	100	77	Withdrawn
2016 Standard Offer	Grid Alternatives	Grid Alternatives	Boulder FTC Community Solar	6055 Reservoir Road Unit SRC077501	Boulder	80301	BOULDER	99.45	75	N
	Pivot Energy	Standard Solar Inc.	CO LI CSG 1 LLC	4901 Imboden Rd	Watkins	80137	ADAMS	1994.85	1500	Y
	Pivot Energy	Standard Solar Inc.	CO LI CSG 2 LLC	UNIT SRC064203 5260 ? 3/4 Imboden Rd	Watkins	80137	ADAMS	1000	750	Y
2017 LI RFP	Pivot Energy	Standard Solar Inc.	CO LI CSG 3 LLC	35540 River Frontage Rd.	New Castle	81647	GARFIELD	835.38	600	N

	DRV Shared Solar	DRV Shared Solar	GRID CSG Standard 2	14252 CR 36, Phase II	Platteville	80651	WELD	97.47	67.5	Y
	Sandbox Solar	Sandbox Solar	Greeley Fire Station Community Solar	145 North 35th Ave	Greeley	80634	WELD	99.4	99.9	Withdrawn
	Grid Alternatives	Grid Alternatives	GRID CSG Standard 4	5 W 51st Ave.	Denver	80216	DENVER	98.56	83	Withdrawn
	Grid Alternatives	Grid Alternatives	Boulder FTC Community Solar	6075 Reservoir Rd	Boulder	80301	BOULDER	99.18	83	Withdrawn
	Grid Alternatives	Grid Alternatives	GRID CSG Standard 1	1915 Airport Road	Breckenridge	80424	SUMMIT	98.56	83	Withdrawn
2017 LI SO	Grid Alternatives	Grid Alternatives	GRID CSG Standard 3	1 S 66th Street	Louisville	80301	BOULDER	98.56	83	Withdrawn
	Pivot Energy	Standard Solar Inc.	Mtn Solar 3 LLC	1609 Agripark Rd	Brush	80723	MORGAN	2000	1500	Y
	Oak Leaf Energy Partners	DSD Renewables	Methven 1	UNIT SRC068858 33725 E 48th Ave	Watkins	80403	ADAMS	1997.1	1500	Y
	Pivot Energy	Standard Solar Inc.	Mtn Solar 2 LLC	33850 E. 38th Ave.	Watkins	80137	ADAMS	1994.85	1500	Y
	Pivot Energy	Standard Solar Inc.	Mtn Solar 5 LLC	35540 River Frontage Road	New Castle	81647	GARFIELD	990.22	750	N
	Pivot Energy	Pivot Energy	Mtn Solar 6 LLC	12268 Hwy 61	Sterling	80751	LOGAN	1994.4	1500	N
	Pivot Energy	Pivot Energy	Mtn Solar 1 LLC	4401 Imboden Road	Watkins	80317	ADAMS	1994.85	1500	Y
	Oak Leaf Energy Partners	DSD Renewables	Tebo 3	39299 QUINCY AVE	Watkins	80137	ARAPAHOE	1997.1	1500	N
	Oak Leaf Energy Partners	Oak Leaf Energy	Garfield43	2250 H Road (39.115309, -108.636836)	Grand Junction	81505	MESA	1997.1	1500	Withdrawn
	Oak Leaf Energy Partners	DSD Renewables	Carlson	UNIT SRC068869 33725 1/2 E 48th Ave	Watkins	80137	ADAMS	1997.1	1500	N
	Oak Leaf Energy Partners	Oak Leaf Energy	McCormick 2	11400 County Road 36 (40.246968, -104.840231)	Platteville	80631	WELD	1997.1	1500	Withdrawn
	Oak Leaf Energy Partners	Oak Leaf Energy	McKee	32885 County Road 37	Greeley	80631	WELD	1997.1	1500	Withdrawn
	Oak Leaf Energy Partners	Oak Leaf Energy	Gary McCormick	17778 County Road 25 (40.258444, -104.826753)	Platteville	80651	WELD	1997.1	1500	Withdrawn
	Oak Leaf Energy Partners	DSD Renewables	Rhonda	UNIT SRC068871 3333 S. Manila Road	Watkins	80137	ARAPAHOE	1997.1	1500	N
2017 RFP	Pivot Energy	Standard Solar Inc.	Mtn Solar 4 LLC	10125 W 6TH AVE FRONTAGE RD	Lakewood	80215	JEFFERSON	2000	1500	N
	Grid Alternatives	Grid Alternatives	Boulder County Low-Income CSG	4772 N 28th st	Boulder	80304	BOULDER	628.32	480	Y
	Grid Alternatives	Grid Alternatives	Denver Metro Low-Income CSG Site 1	3500 S Gun Club Rd (site 1) UNIT SRC071107	Aurora	80018	ARAPAHOE	1966	1560	N
	Grid Alternatives	Grid Alternatives	Denver Metro Low-Income CSG Site 2	3500 S Gun Club Rd (site 1) UNIT SRC071108	Aurora	80018	ARAPAHOE	1966	1560	N
	Oak Leaf Energy Partners	Oak Leaf Energy	Jeffco61 (LI)	123 Fake Street	Brady'sDynastyWillFall	11111	JEFFERSON	1997.1	1500	Withdrawn
2018 LI RFP	Oak Leaf Energy Partners	Oak Leaf Energy	Jeffco60 (LI)	123 Fake Street	JC, S&R & Oak Leaf Energy Partners	11111	JEFFERSON	1997.1	1500	Withdrawn
	Jack's Solar Garden LLC	Jack's Solar Garden LLC	Jack's Solar Garden	8102 North 95th St	Longmont	80504	BOULDER	1244.88	1000	Y
	Oak Leaf Energy Partners	DSD Renewables	Methven North	UNIT SRC071116 33975 48TH AVE	Watkins	80137	ADAMS	1997.1	1500	Y
	SunShare LLC	SunShare	Vasquez V	13400 County Road 34	Platteville	80651	WELD	4805	4000	N
	Oak Leaf Energy Partners	Oak Leaf Energy	Weld56	123 Fake Street	Tractors&Tacos	11111	WELD	1997.1	1500	Withdrawn
	Oak Leaf Energy Partners	Oak Leaf Energy	Jeffco45	123 Fake Street	ArtisinalBacon	11111	JEFFERSON	1997.1	1500	Withdrawn
	Oak Leaf Energy Partners	Oak Leaf Energy	Weld57	123 Fake Street	HolyCowDeath	11111	WELD	1997.1	1500	Withdrawn
	Oak Leaf Energy Partners	Oak Leaf Energy	Weld55	40.247594, -104.842229	Platteville	80651	WELD	1997.1	1500	Withdrawn
	Oak Leaf Energy Partners	Oak Leaf Energy	Weld58	123 Fake Street	BespokeTableSalts	11111	WELD	1997.1	1500	Withdrawn
	SunShare LLC	SunShare	Gilcrest V	15250 County Road 46	Platteville	80651	WELD	5002.5	4750	N
	SunShare LLC	SunShare	Imboden VI	5137 Imboden Road, Unit SRC071119	Watkins	80137	ADAMS	1998	1800	Withdrawn
	SunShare LLC	SunShare	Box Elder	48th Ave (39.783153, -104.599800)	Watkins	80137	ADAMS	1998	1800	Withdrawn
	SunShare LLC	SunShare	GilcrestSun	13285 County Road 42	Gilcrest	80651	WELD	2189	1800	N
	SunShare LLC	SunShare	Quincy III	39.727936, -104.519873	Bennet	80102	ARAPAHOE	1998	1800	Withdrawn
	SunShare LLC	SunShare	PawneeSun	40.247067, -104.772814	Platteville	80651	WELD	1998	1800	Withdrawn
	SunShare LLC	SunShare	Gilcrest II	15130 County Road 46	Platteville	80657	WELD	1998	1800	Withdrawn
	SunShare LLC	SunShare	Conundrum	39.860728, -105.149056	Arvada	80005	JEFFERSON	1998	1800	Withdrawn
2018 RFP	Oak Leaf Energy Partners	Oak Leaf Energy Partners	Weld59	123 Fake Street	ForgetMeNot	11111	ADAMS	1997.1	1500	Withdrawn
	Pivot Energy	Nautilus Solar	Pivot Solar 14 LLC	40.267248, -103.658361	Brush	80723	JEFFERSON	2000	1500	N
2019 LI RFP	Grid Alternatives	Grid Alternatives	Denver Metro Low-Income CSG Site 3	3500 S Gun Club Rd (site 1) UNIT SRC075338	Aurora	80018	ARAPAHOE	1996	1500	N
	Pivot Energy	Nautilus Solar	Pivot Solar 8 LLC	15002 CR 36 UNIT SRC074912	Platteville	80651	WELD	2000	1500	N
	Pivot Energy	Nautilus Solar	NSE Camber Solar PS6 LLC	12298 CR38	Platteville	80651	WELD	1995.8	1500	N
	Pivot Energy	Nautilus Solar	Pivot Solar 7 LLC	39.521757, -107.816911	RIFLE	81650	MORGAN	2000	1500	N
	Pivot Energy	Nautilus Solar	NSE Camber Solar PS5 LLC	11489 CR36	Platteville	80651	WELD	2000	1500	N
	Namaste Solar	Namaste Solar	NSE CSG 3 Weld	40.442211, -104.646635"	Greeley	80631	WELD	1997.28	1500	N
	Namaste Solar	Unico Solar Investors	Venture 1 - 1A	27400 E 26th Ave	Aurora	80019	ADAMS	1997.28	1500	N
	Pivot Energy	Nautilus Solar	Pivot Solar 4 LLC	15990 CR 29	Platteville	80651	WELD	2000	1500	N
	Namaste Solar	Unico Solar Investors	Venture 3 - 1C	27410 E 26th Ave	Aurora	80019	ADAMS	1997.28	1500	N
	Namaste Solar	Namaste Solar	NSE CSG 6 Weld	40.442211, -104.646635	Greeley	80631	WELD	1997.28	1500	N
	Pivot Energy	Nautilus Solar	Pivot Solar 2 LLC	40.267248, -103.658361	Brush	80723	MESA	2000	1500	N
	Pivot Energy	Nautilus Solar	Pivot Solar 1 LLC	39.414643, -108.090421	Parachute	81635	GARFIELD	1000	780	N
	Pivot Energy	Nautilus Solar	Pivot Solar 3 LLC	5843 US Hwy 6	Parachute	81635	GARFIELD	2000	1500	N
	Namaste Solar	Unico Solar Investors	Venture 2 - 1B	27600 E 26th Ave	Aurora	80018	ADAMS	1997.28	1500	N
	Namaste Solar	Unico Solar Investors	Venture 4 - 1D	27610 E 26th Ave	Aurora	80019	WELD	1997.28	1500	N
	Pivot Energy	Pivot Energy	Pivot Solar 9 LLC	40.432874, -104.645321	Greeley	80631	WELD	1995.84	1500	N
	Pivot Energy	Nautilus Solar	NSE Camber Solar PS13 LLC	12268 Hwy 61	Sterling	80751	LOGAN	2000	1500	N
	Pivot Energy	Nautilus Solar	NSE Camber Solar PS11 LLC	12030 Hwy 61	Sterling	80751	LOGAN	1995.84	1500	N
	Pivot Energy	Nautilus Solar	NSE Camber Solar PS12, LLC	Hwy 61	Sterling	80751	LOGAN	1000	750	N
	Pivot Energy	Pivot Energy	Pivot Solar 10 LLC	40.434898, -104.645641	GREELEY	80631	WELD	2000	1500	N
2019 RFP	Pivot Energy	Nautilus Solar	Pivot Solar 15 LLC	40.267248, -103.658361	Brush	80723	MORGAN	1000	750	N
	US Solar	US Solar	USS Picadilly Solar LLC	32536 County Rd 23	Greeley	80550	WELD	6500	5000	N
	Pivot Energy	Pivot Energy	Pivot Solar 21 LLC	39°43'44.01"N, 104°46'4.33"W	Aurora	80018	ADAMS	5928.48	5000	N
	Pivot Energy	Pivot Energy	Pivot Solar 20 LLC	40°19'3.35"N, 104°55'52.01"W	Johnstown	80534	WELD	6750	5000	N
	SunShare LLC	SunShare	Lincoln Solar LLC	4817 East County Road 54	Fort Collins	80524	LARIMER	5000	5000	N
	SunShare LLC	SunShare	Gerry Community Solar LLC	2871 AA St	Greely	80631	WELD	5000	5000	N
	Cloudbreak Energy	Cloudbreak Energy	Wagner	15761 CR 41	Sterling	80751	LOGAN	6254.43	5000	N
	Cloudbreak Energy	Cloudbreak Energy	Krieger Fort	4557 E CR 48	Fort Collins	80524	LARIMER	2974.53	2375	N
	Cloudbreak Energy	Cloudbreak Energy	Griffiths	9216 COUNTY ROAD 48.5	Johnstown	80534	WELD	6503.25	5000	N
	Cloudbreak Energy	Cloudbreak Energy	Krieger Larimer	5023 E CR 48	Fort Collins	80524	LARIMER	2974.53	2375	N
	Cloudbreak Energy	Cloudbreak Energy	Platte	11814 CR 46	Milliken	80543	WELD	6503.25	5000	N
	Cloudbreak Energy	Cloudbreak Energy	Two Rivers	5880 49TH ST	Evans	80634	ADAMS	6266	5000	N
	Cloudbreak Energy	Cloudbreak Energy	Allely	5281 49th St	Evans	80634	WELD	5965.16	4660	N
	US Solar	US Solar	USS Mehos Solar LLC	9894 CR 120	Poncha Springs	81201	CHAFFEE	6461	4970	N
	US Solar	US Solar	USS Cogburn Solar LLC	23581 County Road 66	Greeley	80631	WELD	3120	2400	N
	ECA Solar	ECA Solar	ECA Greeley	0 W County Road 37	Greeley	80631	WELD	6142	4900	N
	ECA Solar	ECA Solar	ECA LEADVILLE	19955 US-24	Leadville	80461	LAKE	1173	900	N
	US Solar	US Solar	USS Cemetery Solar LLC	35240 Christensen Avenue	Eaton	80615	WELD	6409	4920	N
2020 RFP	US Solar	US Solar	USS Fruita Solar LLC	1852 J 6/10 Road	Fruita	81521	MESA	3250	2500	N
2020 Standard Offer	Awarded in 2021	N/A	N/A	N/A	N/A	N/A	N/A	10000	480	N
	Xcel Energy	Xcel Energy	Valmont CSG10	1800 63rd Street SRC075071	Boulder	80301	BOULDER	1998	1500	N
	Xcel Energy	Xcel Energy	Valmont CSG9	1800 63rd Street SRC075070	Boulder	80301	BOULDER	1995	1500	N
Company Owned LI Gardens	Xcel Energy	Xcel Energy	Arapahoe CSG5	1390 W. Wesley Ave	Denver	80223	DENVER	1997	1500	N

Attachment H

Solar Garden ID	SRC Producer / Garden Operator: Account Name	REC Payment per MWh	Adjustment	Garden Street	Name Plate Capacity (kW DC)	AC Active Power Nameplate Rating (kW)	Garden City	Garden State	Application Complete	Garden Active Date	Vintage Program
SRC071116	Oak Leaf Solar 44 LLC	($12.00)		UNIT SRC071116 33975 48TH AVE	1997.1	1500	Watkins	CO	12/30/2020	1/31/2021	2018 RFP
SRC068858	Oak Leaf Solar 37 LLC	($5.01)		UNIT SRC068858 33725 E 48th Ave	1997.1	1500	Watkins	CO	12/30/2020	1/31/2021	2017 RFP
SRC071109	GRID Alternatives Colorado	$0.00		4772 N 28th st	628.32	480	Boulder	CO	12/8/2020	1/31/2021	2018 LI RFP
SRC055045	Alamosa Solar South CSG LLC	($1.00)		399 Twentieth St.	1995.84	1560	Alamosa	CO	12/3/2020	1/31/2021	2016 RFP
SRC053585	Rock Creek Solar 2 CSG LLC	($1.00)		7524 Rd 12 S.	1995.84	1560	Alamosa	CO	11/6/2020	11/30/2020	2016 RFP
SRC071114	Jack's Solar Garden LLC	$57.00	escalating percentage of 3% per year for RECs purchased	8102 North 95th St	1244.88	1000	Longmont	CO	10/29/2020	11/30/2020	2018 RFP
SRC054279	Native Suns, LLC Morrison	$8.65		17179 state hwy 74	1000	790	Morrison	CO	6/11/2020	6/30/2020	2016 RFP
SRC053577	Monte Vista Solar 2 CSG LLC	($1.00)		283 S Co. Rd 3 E	1995.84	1500	Monte Vista	CO	5/12/2020	6/30/2020	2016 RFP
SRC054663	Alden Solar CSG LLC	$6.00		31432 Weld County Rd 51	1995.84	1560	Greeley	CO	3/25/2020	4/30/2020	2016 RFP
SRC054664	Platteville Solar CSG LLC	$7.50		15763 Weld County Road 31	1632.96	1260	Platteville	CO	1/2/2020	1/31/2020	2016 RFP
SRC067949	Mtn Solar 3 LLC	$34.30		1609 Agripark Rd	2000	1500	Brush	CO	12/23/2019	1/31/2020	2017 RFP
SRC053976	Oak Leaf Solar XXXIII LLC	$9.90		10752 County Road 140	1998	1500	Salida	CO	1/2/2020	12/31/2019	2016 RFP

*Due to the voluminous file size of the Producer Agreement Contracts , individual contracts available upon request.

Attachment I

CSG #	CSG Owner	Capacity kWac	Capacity kWdc	Project Award Date	Commercial Operation Date	Total kWh Billed	kWh Subscribed	kWh Unsubscribed	Percentage Subscribed
SRC010496	GC Solar 2, LLC	400	499.17	8/15/2012	8/21/2014	772,315	770,600	1,715	99.7780%
SRC010497	Breck Solar 1, LLC	325	400.075	8/15/2012	9/27/2013	587,098	580,664	6,433	98.9042%
SRC010498	CEC SOLAR #1026, LLC	90	115.15	8/15/2012	6/26/2014	135,313	133,297	2,016	98.5101%
SRC010499	Mesa Solar 1, LLC	400	496.455	8/15/2012	4/26/2013	788,732	776,687	12,046	98.4728%
SRC010500	Summit Solar 1, LLC	400	497.97	8/15/2012	9/27/2013	727,179	727,179	0	100.0000%
SRC010502	CEC Solar #1020, LLC	400	499.515	8/15/2012	9/27/2013	675,517	675,517	0	100.0000%
SRC010506	Can Solar 1, LLC	400	498.01	8/15/2012	11/12/2013	866,667	864,630	2,037	99.7649%
SRC010507	Community Energy Solar, LLC	400	498.3	8/15/2012	12/10/2013	758,651	758,651	0	100.0000%
SRC010509	CEC Solar #1037, LLC	400	499.895	8/15/2012	6/1/2015	163,531	154,787	8,744	94.6530%
SRC010512	Lafayette Solar LLC	400	498.3	8/15/2012	12/12/2013	780,521	780,521	0	100.0000%
SRC011229	Fresh Air Energy VII, LLC	1500	1999.8	10/29/2012	10/17/2014	3,787,222	3,787,222	0	100.0000%
SRC011647	CEC SOLAR #1023, LLC	420	569.17	10/29/2012	6/19/2014	920,270	920,270	0	100.0000%
SRC011744	Fresh Air Energy VIII, LLC	1640	1999.8	10/29/2012	9/29/2014	3,516,736	3,516,735	1	100.0000%
SRC018661	Arapahoe Community Solar Garden I LLC	400	499.3	6/3/2013	7/31/2015	834,739	787,610	47,129	94.3541%
SRC018663	Denver Community Solar Garden I LLC	416	499.4	6/3/2013	6/30/2015	882,400	861,067	21,333	97.5824%
SRC018664	Denver Community Solar Garden II LLC	416	499.4	6/3/2013	6/30/2015	871,180	800,781	70,399	91.9191%
SRC018665	Adams Community Solar Garden I LLC	416	497.2	6/3/2013	7/31/2015	940,990	933,164	7,826	99.1683%
SRC018667	CEC SOLAR #1021, LLC	400	499.03	6/3/2013	8/21/2014	850,281	848,267	2,014	99.7631%
SRC018668	CEC SOLAR #1025, LLC	400	499.9	6/3/2013	5/29/2015	246,199	246,199	0	100.0000%
SRC018669	CEC SOLAR #1022, LLC	400	499.9	6/3/2013	4/30/2015	487,963	487,958	5	99.9990%
SRC018672	Adams Community Solar Garden II LLC	416	497.2	6/3/2013	7/31/2015	882,365	868,165	14,200	98.3907%
SRC018677	Antonito Solar LLC	410.4	500	6/3/2013	11/17/2014	1,075,738	1,075,738	0	100.0000%
SRC023375	Jeffco Community Solar Gardens LLC	1200	1496.88	11/1/2013	5/31/2016	2,606,887	2,603,891	2,996	99.8851%
SRC023376	Adams Community Solar Garden III LLC	1200	1499.4	11/1/2013	7/31/2015	2,780,244	2,779,510	734	99.9736%
SRC023377	Adams Community Solar Gardens LLC	1200	1496.1	11/1/2013	7/31/2015	5,514,109	2,757,054	2,757,056	50.0000%
SRC042360	CEC Solar #1119, LLC	1500	1987.2	9/11/2015	11/28/2017	4,077,472	3,929,576	147,897	96.3728%
SRC042361	CEC Solar #1121, LLC	1764	1984.5	9/11/2015	12/29/2017	3,740,207	3,704,104	36,102	99.0348%
SRC042362	CEC Solar #1122, LLC	1764	1984.5	9/11/2015	9/25/2017	3,755,681	3,732,774	22,907	99.3901%
SRC042364	CEC Solar #1128, LLC	1500	1987.2	9/11/2015	10/25/2017	3,328,087	3,319,947	8,140	99.7554%
SRC042365	CEC Solar #1130, LLC	1500	1987.2	9/11/2015	12/14/2017	3,668,507	3,661,839	6,667	99.8183%
SRC042438	CEC Solar #1133, LLC	1500	1984.5	9/11/2015	10/24/2017	3,531,841	3,530,276	1,565	99.9557%
SRC042452	Terraform Power	1500	1997.28	9/11/2015	3/27/2019	3,200,018	3,200,018	0	100.0000%
SRC042454	Terraform Power	1500	1994.85	9/11/2015	9/20/2018	3,082,761	3,082,761	0	100.0000%
SRC042456	Quincy II Solar Garden LLC	1500	1999.5	9/11/2015	5/1/2018	3,380,473	3,380,473	0	100.0000%
SRC042457	Imboden III Solar LLC	1500	1999.5	9/11/2015	4/6/2018	3,220,217	3,220,217	0	100.0000%
SRC042458	Imboden II Solar LLC	1500	1999.5	9/11/2015	4/6/2018	3,541,755	3,540,669	1,086	99.9693%
SRC042459	Terraform Power	1500	1994.85	9/11/2015	8/30/2018	3,221,290	3,221,290	0	100.0000%
SRC042462	Terraform Power	1500	1994.85	9/11/2015	9/1/2018	3,406,805	3,406,805	0	100.0000%
SRC042463	Terraform Power	1500	1997.28	12/13/2016	3/27/2019	3,345,208	3,345,208	0	100.0000%
SRC042532	San Luis Solar Garden LLC	1200	1500	12/13/2016	8/31/2017	3,349,635	3,349,635	0	100.0000%
SRC050353	Spark CSG 1 LLC	100	69.02	10/18/2016	1/1/2019	84,398	84,398	0	100.0000%
SRC050354	Stanley CSG 1 LLC	100	99.45	10/18/2016	12/7/2018	146,894	146,894	0	100.0000%
SRC050355	DRV Shared Solar 2018-1, LLC	99.6	97.5	10/18/2016	12/28/2018	164,942	164,942	0	100.0000%
SRC050356	SRC 050356 LLC	100	70.72	10/18/2016	1/2/2019	87,860	87,860	0	100.0000%
SRC050357	SRC 050357 LLC	72	99.45	10/18/2016	12/7/2018	157,728	157,728	0	100.0000%
SRC053370	Lafayette Horizon Solar CSG LLC	1500	1995.84	12/13/2016	1/31/2019	3,673,094	3,673,094	0	100.0000%
SRC053577	Monte Vista Solar 2 CSG LLC	1500	1995.84	12/13/2016	5/12/2020	2,611,111	2,607,926	3,185	99.8780%
SRC053578	DU CSG 1 LLC	400	497.25	12/13/2016	6/24/2019	932,586	930,686	1,900	99.7963%
SRC053579	Native Suns, LLC Tiny Town	600	994.5	12/13/2016	5/9/2019	1,822,777	1,822,777	0	100.0000%
SRC053581	Mesa CSG 2 LLC	1500	1994.85	12/13/2016	5/21/2019	3,380,885	3,380,885	0	100.0000%
SRC053585	Rock Creek Solar 2 CSG LLC	1560	1995.84	12/13/2016	12/20/2017	440,616	438,761	1,855	99.5790%
SRC053962	Housing Authority of the City and County of Denver	1500	1996	12/13/2016	12/20/2017	3,766,214	3,685,407	80,807	97.8544%
SRC053963	Oak Leaf Solar XXX LLC	1500	1997.1	12/13/2016	12/6/2018	4,140,403	4,140,403	0	100.0000%
SRC053964	Oak Leaf Solar XXI LLC	1500	1997.1	12/13/2016	12/27/2018	3,669,019	3,669,019	0	100.0000%
SRC053965	Oak Leaf Solar XXII LLC	1500	1997.1	12/13/2016	4/5/2019	3,734,365	3,734,365	0	100.0000%
SRC053966	Oak Leaf Solar XXIII LLC	1500	1997.1	12/13/2016	3/27/2019	3,757,069	3,757,069	0	100.0000%
SRC053967	Oak Leaf Solar XXIV LLC	1500	1997.1	12/13/2016	3/29/2019	3,248,726	3,248,677	49	99.9985%
SRC053968	Oak Leaf Solar XXV LLC	1500	1997.1	12/13/2016	3/29/2019	3,280,357	3,280,357	0	100.0000%
SRC053970	Oak Leaf Solar XXVI LLC	1500	1997.1	12/13/2016	4/5/2019	3,738,218	3,738,218	0	100.0000%
SRC053971	Oak Leaf Solar XXVII LLC	1500	1997.1	12/13/2016	11/15/2018	3,539,768	3,531,880	7,887	99.7772%
SRC053973	Oak Leaf Solar XXVIII LLC	1500	1997.1	12/13/2016	5/29/2019	3,551,458	3,551,458	0	100.0000%
SRC053974	Oak Leaf Solar XXIX LLC	1500	1184	12/13/2016	2/26/2019	2,123,385	2,123,385	0	100.0000%
SRC053975	Oak Leaf Solar XXXII LLC	1500	1997.1	12/13/2016	3/5/2019	3,727,229	3,727,229	0	100.0000%
SRC053976	Oak Leaf Solar XXXIII LLC	1500	1998	12/13/2016	1/2/2020	3,930,035	3,930,013	23	99.9994%
SRC053977	Oak Leaf Solar XXXI LLC	1500	1997.1	12/13/2016	12/27/2018	3,671,710	3,671,710	0	100.0000%
SRC054194	Mesa CSG 1 LLC	1500	1993.68	7/16/2018	5/21/2019	3,853,325	3,853,325	0	100.0000%
SRC054279	Native Suns, LLC Morrison	790	1000	12/13/2016	6/11/2020	840,001	547,142	292,859	65.1359%
SRC054663	Alden Solar CSG LLC	1560	1995.84	12/13/2016	3/25/2020	2,791,442	2,791,442	0	100.0000%
SRC054664	Platteville Solar CSG LLC	1260	1632.96	12/13/2016	12/30/2019	3,169,448	3,169,448	0	100.0000%
SRC064202	CO LI CSG 1 LLC	1500	1994.85	7/16/2018	10/31/2019	3,694,427	3,694,427	0	100.0000%
SRC064203	CO LI CSG 2 LLC	750	1000	7/16/2018	6/24/2019	1,857,945	1,857,945	0	100.0000%
SRC064251	GRID Alternatives Colorado	67.5	97.47	12/18/2018	12/28/2018	160,141	160,141	0	100.0000%
SRC067947	Mtn Solar 1 LLC	1500	1994.85	7/16/2018	8/30/2019	3,554,740	3,554,580	160	99.9955%
SRC067948	Mtn Solar 2 LLC	1500	1994.85	7/16/2018	9/27/2019	3,654,028	3,654,028	0	100.0000%
SRC067949	Mtn Solar 3 LLC	1500	2000	7/16/2018	12/23/2019	3,503,439	3,503,439	0	100.0000%
SRC071114	Jack's Solar Garden LLC	1000	1244.88	11/30/2018	10/29/2020	205,831	205,831	0	100.0000%
Total						**174,968,419**	**171,398,645**	**3,569,774**	**97.9598%**

Attachment J

CEO Low-income Rooftop Solar Report

Calendar Year 2020 Report

Program Summary

The Low-income Rooftop Solar Program provides rooftop solar systems to low-income clients via Colorado's Weatherization Assistance Program (WAP). WAP has a 45 year history of providing low-income residents (below 200% of the federal poverty level) with energy efficiency retrofits to make their homes less expensive to heat and cool as well as safer and healthier places to live. In order to provide its low-income residents with even more opportunity to save energy and money, rooftop solar was added to Colorado WAP in 2017 through the Low-income Rooftop Solar Program in partnership with Xcel Energy.

From January 1, 2017 to December 31, 2020, 330 systems have been interconnected. These systems have a total capacity of 997 kW. See Exhibit 1 for details, below.

Year	Number of Systems Interconnected	Annual Interconnected Capacity (kW)
2017	13	37.2
2018	94	279.1
2019	140	407.2
2020	83	273.1
Total (cumulative)	330	996.6

Exhibit 1: Interconnected systems from January 1, 2017 through December 31, 2020

Program Detail

The following detail section provides further information on the 330 systems which have been interconnected as of December 31, 2020.

Details at a Glance

- 330 systems interconnected
- 3.0 kW average system size
- $8,872 average system cost
- $2.94 average cost per Watt
- 4,152 kWh average annual energy offset
- $457 average annual savings (assuming average of $0.11/kWh rate)
- SIR of 1.29 over 25 year system life

Impact Detail

The 330 systems interconnected have been installed across Colorado from Denver north to Larimer County, south to Conejos County, and west to Mesa County. Without access to solar

through this program these WAP clients would not have been able to afford to put rooftop solar on their homes.

Based on production data, the typical system generates approximately 346 kWh per month or 4,152 kWh per year. With an expected electricity rate of $0.11 per kWh, each system will save the household an average of $457 per year.

Ownership Detail

The vast majority of the homes, 289 in total, receiving rooftop solar are owned by the WAP client. An additional 41 homes receiving solar are occupied by renters: 28 of these homes are owned by Casas De Rio Grande, a senior housing facility in Del Norte, Colorado; and 12 of these homes are owned by the Boulder County Housing Authority, an affordable housing agency within Boulder County government.

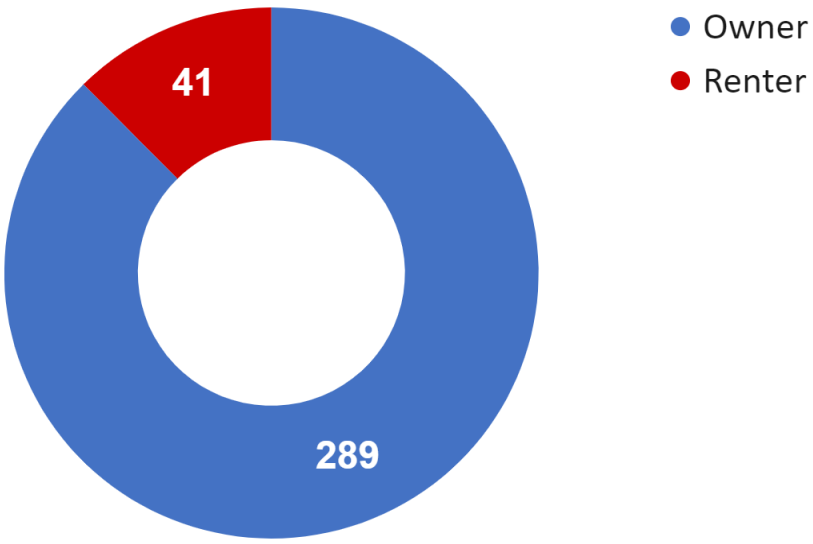


Exhibit 2: Owner and renter distribution of 330 total interconnected rooftop solar homes

Funding Detail

The 330 systems interconnected to date have cost a total of $2,927,700, based on invoiced amounts. $1,993,360 has been paid for with RESA funds and $934,340 has been paid for with WAP funds. This is a 68% to 32% split, respectively. Per system average cost is $8,872; $6,033 is paid with RESA funds and $2,839 is paid with WAP funds, on average.

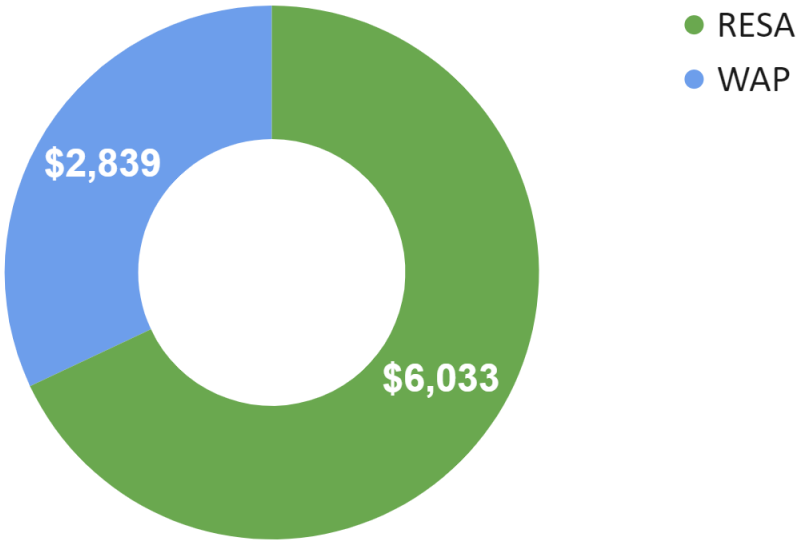


Exhibit 3: Funding distribution of $8,872 average system cost for 330 interconnected rooftop solar homes

County and Zip Code Detail

County	Systems Interconnected	WAP Eligible Households	Zip Codes Served
Adams	51	52,932	80010, 80011, 80022, 80030, 80031, 80221, 80229, 80233, 80234, 80241, 80260, 80602
Alamosa	26	3,144	81101, 81144
Arapahoe	56	60,773	80010, 80011, 80012, 80013, 80014, 80015, 80016, 80017, 80018, 80110, 80113, 80120, 80121, 80122, 80247
Boulder	14	31,914	80027, 80301, 80305
Broomfield	1	3,743	80020
Conejos	17	1,460	81120, 81140, 81151
Costilla	1	894	81152
Denver	46	98,956	80123, 80204, 80205, 80211, 80215, 80216, 80219, 80220, 80222, 80223, 80227, 80239, 80249
Garfield	4	6,545	81623, 81647, 81680
Jefferson	32	45,632	80002, 80003, 80004, 80005, 80021, 80033, 80123, 80127, 80201, 80214, 80215, 80226, 80227, 80228, 80232, 80439
Larimer	2	36,403	80549
Mesa	34	20,221	81501, 81503, 81504, 81505, 81506, 81520, 81521, 81526, 81630

Park	1	1,722	80420
Rio Grande	43	1,686	81101, 81132, 81144
Saguache	1	1,446	81136
Summit	1	2,648	80435
Grand Total	**330**	**370,119**	[redacted]

Exhibit 4: Counties and zip codes associated with 330 interconnected rooftop solar homes

Attachment K

Attachment K
Stakeholder Group Activity

Stakeholder Group Activity for 2020

As part of the Comprehensive Settlement Agreement (Proceeding No. 16AL-0048E), the settling parties agreed that complex issues in the proceeding would be best addressed through ongoing stakeholder participation. The Stakeholder Groups were originally designed to identify and address issues leading to additional actions in support of the Comprehensive Settlement Agreement, including actions which may require approval of the Commission prior to the next scheduled proceeding in the matter.

The Company has continued to convene Stakeholder Group meetings in the current 2020-21 RES Plan (Proceeding No. 19A-0369E). There are four quarterly meetings each year where general topics are discussed amongst many different stakeholders. Prior to each meeting, Public Service typically solicits agenda items from stakeholders and includes any special topics or presenters that stakeholders feel would be beneficial to particular meetings. Meetings usually have 30 to 50 attendees and the Company keeps a distribution list that contains well over 100 possible participants. The table below lists the dates in 2020 when quarterly meetings took place and the topics discussed.[1]

[1] Presentations from these meetings are posted on the Company's web site at: https://www.xcelenergy.com/company/rates_and_regulations/stakeholder_group_meetings/combined_stakeholder_group

Attachment K
Stakeholder Group Activity

Meeting	Date	Topics
Q1	March 11	-RE Plan continuation after March 31, 2020 -Program Dashboards -Community Solar Updates -2020 SRC RFP: • Survey Results • Targeted Capacity • RFP Scoring
Q2	June 9	-Solar*Rewards Program Update & RFP Info -Solar*Rewards Community Program Update & RFP Scoring Information Share -Identified Capacity Areas for RFP -Primary vs. Secondary interconnections -Recloser Requirement and Engineering Updates
Q3	September 24	-Xcel Energy Updates • 2020 YTD Overview • COVID-19 Updates -DER On-Site Interconnections -Solar*Rewards Community Program Update -Regulatory update -General Stakeholder Discussion -Upcoming Meetings & Work Groups
Q4	November 19	-DER On-Site Interconnections -Solar*Rewards Community Program Update -Regulatory Update -Engineering Q&A -Upcoming Meetings & Work Groups

Beyond the quarterly meetings, the stakeholders do engage in other more specific workgroup meetings. These meetings have focused on variety of topics from program administration such as RFP scoring to interconnection issues. The Company values these meetings as a way to further communications, provide education, and to resolve issues with stakeholders. The table below lists the topic area of these workgroup meeting and the dates of the meetings.

Attachment K
Stakeholder Group Activity

Topic	Date(s)
Solar*Rewards Community 2020 RFP Scoring Matrix	June 18
Solar + Storage Program Development	June 22 & 30, July 21, December 4
Income Qualified Holistic Review	December 9

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